



**CITY OF BURLINGTON
DEPARTMENT OF PUBLIC WORKS**

645 Pine Street, Suite A
Post Office Box 849
Burlington, VT 05402-0849
802.863.9094 VOICE
802.863.0466 FAX
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www.burlingtonvt.gov/dpw

Chapin Spencer
DIRECTOR OF PUBLIC WORKS

M E M O R A N D U M

To: Tenzin Chokden, Clerks Office
From: Chapin Spencer, Director
Date: July 12, 2018
Re: Public Works Commission Agenda

Please find information below regarding the next Commission Meeting.

Date: **July 18, 2018**
Time: 6:30 – 9:00 p.m.
Place: **53 Lavalley Lane – Main Wastewater Treatment Plant**

A G E N D A

ITEM

- 1 Call to Order – Welcome – Chair Comments
- 2 5 Min Agenda
- 3 5 Min Election of Chair, Vice Chair & Secretary
- 4 10 Min Public Forum (3 minute per person time limit)
- 5 5 Min Consent Agenda
 - A Traffic Request Status Report
 - B Complete Streets CY18 Paving – Added Streets
 - C Great Streets – St. Paul Street Refine Ordinance Language
 - D Great Streets – St. Paul Street Temporary Construction Parking Changes
 - E Proposed Accessible Parking on Adams Court
 - F Proposed Truck loading Zone on College St
 - G Enforcement Authority for City-Leased & Managed Lots

Non-Discrimination

The City of Burlington will not tolerate unlawful harassment or discrimination on the basis of political or religious affiliation, race, color, national origin, place of birth, ancestry, age, sex, sexual orientation, gender identity, marital status, veteran status, disability, HIV positive status or genetic information. The City is also committed to providing proper access to services, facilities, and employment opportunities. For accessibility information or alternative formats, please contact Human Resources Department at 865-7145.

- 6 15 Min Draft ADA Transition Plan
A Presentation, L. Wheelock
B Commissioner Discussion
C Public Comment
D Action Requested – None
- 7 40 Min Update on Wastewater and Stormwater Management
A Presentation, M. Moir & C. Spencer
B Commissioner Discussion
C Public Comment
D Action Requested –None
- 8 5 Min Approval of Draft Minutes of 6-20-18
- 9 10 Min Director's Report
- 10 10 Min Commissioner Communications
- 11 **Adjournment & Next Meeting Date – September 19, 2018**



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- 11 **Adjournment & Next Meeting Date – September 19, 2018**



MEMORANDUM

July 09, 2018

TO: Public Works Commission

FROM: Phillip Peterson, DPW Engineering Technician *PP 7/9/18*

CC: Nicole Losch PTP, Senior Transportation Planner *NL 7/10/18*

RE: Traffic Request Status Report

Number of Requests 06/14/18 =	50
New Requests since 06/14/18 =	5
Requests closed since 06/14/18=	6
Number of Requests 07/09/18 =	49

RFS BREAKDOWN BY TYPE*

		Last Month	Change
Accessible Space:	3	4	-1
Resident Only Parking:	6		
Crosswalks:	13	16	-3
Driveway Encroachments:	2		
Signage:	12	11	+1
Loading Zone:	2	1	+1
Area/Intersection Study:	4		
Parking Prohibition:	2	1	+1
Bus Stop:	0		
Geometric Issues:	2		
Parking Meters:	3		
Other:	0		
TOTAL:	49		



Memo

Date: July 12, 2018

To: DPW Commission

From: Laura Wheelock, P.E.
Public Works Engineer
Street Capital Program Manager

Subject: Complete Streets Acceptance for Additional Paving Streets

Program Update

In response to the winter, DPW had additional streets that needed to be paved since your review of the paving complete streets reporting in February 2018. This is an update to that list of streets currently under contract.

The complete streets program is to review all streets with significant reconstruction work, review their features to determine how they align with complete street elements, such as bicycle/pedestrian facilities, green spaces, lighting, etc. Act 44 passed by Vermont Legislature in 2011 requires that every project of significant reconstruction consider inclusion of complete streets elements. One of the largest issues that the City of Burlington faces is on streets where there is no sidewalk on either side of the street. The law requires that for project streets that do not have those elements, and does not include them within the project that an exemption is filed.

Additional Summer 2018 Street Reconstruction List

This communication is to inform the Commission of the additional streets added to the work plan which includes a mix of mill/fill, and reclaiming. Our work plan has been coordination with other DPW and City departments to understand all needs. Funding is a mix of the recently voter approved Bond for Street and Sidewalk Improvements, as well as Street Capital Tax Funds. The table below identifies the additional work.

The work started April 2018 and is planned to complete November 2018.

Additional Streets for CY18 Paving Plan					
Branch ID	Section	PCI	Width	Length	Type of Work
Pine St	Flynn – Lakeside			0.42	Reclaim
	Kilburn – Lakeside			0.40	Mill & Fill
North Ave	Lakeview Cemetery – Ethan Allen Parkway			1.05	Mill & Fill
Colchester Ave	Nash – East			0.19	Mill & Fill
Park St	Manhattan – North			0.19	Reclaim
Total				0.61	MILES Reclaim
Total				1.64	MILES Mill/Fill

In conclusion, if you have any questions regarding the proposed street paving list, please do not hesitate to contact me directly at LWheelock@burlingtonvt.gov or 802-863-9094.

COMPLETE STREETS PROJECT REPORTING FORM

Form CS-1

A transportation project may be considered as involving full depth construction, extensive earthwork, impacts to adjacent resources, involvement of multiples departments / agencies / divisions, and/or having a project budget approved by a governing body.

Project Name Colchester Ave (East Ave – Nash Pl)

Project Manager and Department Laura K. Wheelock PE, DPW

Date 07/12/2018 File path L:\STREETS AND SIDEWALKS\2-Street Reconstruction Program – Paving\CALYR 2018 Street Paving FY18-19\1 -DESIGN\Complete Streets

Complete Streets principles WERE considered.

☒ [Form CS-2](#) attached

Complete Streets principles WERE NOT considered. This project is exempt because: (Check ONE)

☐ Use of the facility by pedestrians, bicyclists, or other users is prohibited by law.

Identify the limited access roadway: _____

☐ The cost of incorporating Complete Streets principles is disproportionate to the need or probable use of the facility.

☐ [Form CS-3](#) attached

☐ The project scope of work was approved prior to July 1, 2011.

Identify the project: _____

The following activities are outside the scope of a transportation project and are not reported: Pothole patching / roadway preventative maintenance, shim paving, traffic signal upgrades to LED bulbs, sidewalk repair, catchbasin repair or installation, street sweeping or plowing, roadside mowing or trimming, sign replacement or installation, electrical upgrades, and emergency repairs.

This form was distributed:

Click here to enter a date. Clerk / Treasurer's Office, Attn: Lori Olberg
Click here to enter a date. Agency of Transportation, Attn: Chris Cole

Form CS-2N

STREET CLASSIFICATION – NEIGHBORHOOD STREET

Any street not listed above.

Street Name: Colchester Ave (East Ave – Nash Pl)

The following features should be considered on Burlington's Neighborhood Streets

Sidewalks

- ☒ both sides of the street, or at least one side of the street on *Neighborhood Streets*
- ☒ 5' minimum in residential areas
- ☐ > 5' in neighborhood centers and high density residential
- ☐ 8' – 10' on Slow Streets
- ☒ 5' clear zone

NOTES:

Tree Belt

- ☒ 5' minimum
- ☒ 2' minimum for snow storage
- ☐ structural soil in neighborhood centers, high density residential

NOTES:

Street Trees

- ☐ hardscape or tree grates for passenger loading/unloading

NOTES: N/A

Transit Shelters (at stops with high ridership)

- ☐ outside of 5' clear zone
- ☐ benches
- ☐ lighting
- ☐ street trees
- ☐ pedestrian-scale signs

NOTES: no stops on road

Parking:

- ☐ back-in angled or parallel if next to bike lanes

NOTES: no bike lane

Transit Stops

- ☒ placed in front of crosswalks
- ☐ 100' – 140' curbside for streets with higher lower volume
- ☐ bus bulbs (6' x 35') for streets with higher traffic volume, high transit ridership, crowded sidewalks and/or inadequate space for transit stop amenities
- ☐ 100' – 140' bus turnouts for transit stops with longer dwell times

NOTES:

Traffic Calming should be included on all streets with existing traffic calming features or on streets with an assessed need for traffic calming

- ☐ speed tables and raised crosswalks at mid-block locations
- ☐ raised intersections, calming two streets at once
- ☐ colored / textured pavement for prominent pedestrian zones
- ☐ neighborhood traffic circles / intersection island, calming two streets at once
- ☐ chicanes
- ☐ pedestrian refuges or center islands, for refuge or gateway treatment
- ☐ curb extensions or chokers, at intersections or mid-block

NOTES: no traffic calming requests

MUNICIPAL COMPLETE STREETS COMPLIANCE FORM

TO: Project File

FROM:

DATE:

SUBJECT: Complete Streets Compliance Form

Act 34 became effective July 1, 2011 and requires that the needs of all transportation users, regardless of their age, ability, or preferred mode of transportation be considered in state and municipal transportation projects and project phases. This project compliance form serves to document that Complete Streets practices and principles were considered and implemented where applicable for the project listed below. This project compliance form should be completed and retained in the Town's files and a copy provided to VTrans via the Regional Planning Commission.

Road: Colchester Ave (East Ave – Nash Pl)

Project Description: **Cal Yr 2018 paving program**

Compliance – If applicable, select all Complete Streets principles and practices that have been incorporated into the project.

- | | |
|---|---|
| ☒ Sidewalks: installation, repair, ramps, railing, etc. | ☒ Pavement Improvements: replacement, repair, etc. |
| ☒ Cross walks: installation, repair, markings, etc. | ☐ Shoulder Improvements: widen with new pavement. |
| ☒ Lighting: street or pedestrian scale. | ☐ Bike/Shared Use: paths, lanes, etc. |
| ☒ Signals: pedestrian features. | ☒ Public Transit: bus stops, bus pullouts, kiosks, etc. |
| ☐ Streetscaping: benches, bulbouts, landscaping, | ☐ Other (please describe): |

Exemption – If applicable, select one.

- ☐ The use of the transportation facility by pedestrians, bicyclists or other users is prohibited by law.
- ☐ The cost of incorporating complete streets principles is disproportionate to the need or probably use.
- ☐ Incorporating complete streets principles is outside the scope of the subject project due to its very nature.

If any of the boxes under “Exemption” are checked please provide a short justification below:

Completed:

Name

Project Manager

Position

07/12/2018

Date

COMPLETE STREETS PROJECT REPORTING FORM

Form CS-1

A transportation project may be considered as involving full depth construction, extensive earthwork, impacts to adjacent resources, involvement of multiples departments / agencies / divisions, and/or having a project budget approved by a governing body.

Project Name North Ave (Ethan Allen Parkway – Lakeview Cemetery)

Project Manager and Department Laura K. Wheelock PE, DPW

Date 07/12/2018 File path L:\STREETS AND SIDEWALKS\2-Street Reconstruction Program – Paving\CALYR 2018 Street Paving FY18-19\1 -DESIGN\Complete Streets

Complete Streets principles WERE considered.

☒ [Form CS-2](#) attached

Complete Streets principles WERE NOT considered. This project is exempt because: (Check ONE)

☐ Use of the facility by pedestrians, bicyclists, or other users is prohibited by law.

Identify the limited access roadway: _____

☐ The cost of incorporating Complete Streets principles is disproportionate to the need or probable use of the facility.

☐ [Form CS-3](#) attached

☐ The project scope of work was approved prior to July 1, 2011.

Identify the project: _____

The following activities are outside the scope of a transportation project and are not reported: Pothole patching / roadway preventative maintenance, shim paving, traffic signal upgrades to LED bulbs, sidewalk repair, catchbasin repair or installation, street sweeping or plowing, roadside mowing or trimming, sign replacement or installation, electrical upgrades, and emergency repairs.

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Click here to enter a date. Clerk / Treasurer's Office, Attn: Lori Olberg
Click here to enter a date. Agency of Transportation, Attn: Chris Cole

Form CS-2N

STREET CLASSIFICATION – NEIGHBORHOOD STREET

Any street not listed above.

Street Name: _____ North Ave (Ethan Allen Parkway – Lakeview Cemetery) _____

The following features should be considered on Burlington's Neighborhood Streets

Sidewalks

- ☒ both sides of the street, or at least one side of the street on *Neighborhood Streets*
- ☒ 5' minimum in residential areas
- ☐ > 5' in neighborhood centers and high density residential
- ☐ 8' – 10' on Slow Streets
- ☒ 5' clear zone

NOTES:

Tree Belt

- ☒ 5' minimum
- ☒ 2' minimum for snow storage
- ☐ structural soil in neighborhood centers, high density residential

NOTES:

Street Trees

- ☐ hardscape or tree grates for passenger loading/unloading

NOTES: N/A

Transit Shelters (at stops with high ridership)

- ☐ outside of 5' clear zone
- ☐ benches
- ☐ lighting
- ☐ street trees
- ☐ pedestrian-scale signs

NOTES: no stops on road

Parking:

- ☐ back-in angled or parallel if next to bike lanes

NOTES: no bike lane

Transit Stops

- ☐ placed in front of crosswalks
- ☐ 100' – 140' curbside for streets with higher lower volume
- ☐ bus bulbs (6' x 35') for streets with higher traffic volume, high transit ridership, crowded sidewalks and/or inadequate space for transit stop amenities
- ☐ 100' – 140' bus turnouts for transit stops with longer dwell times

NOTES: no stops

Traffic Calming should be included on all streets with existing traffic calming features or on streets with an assessed need for traffic calming

- ☐ speed tables and raised crosswalks at mid-block locations
- ☐ raised intersections, calming two streets at once
- ☐ colored / textured pavement for prominent pedestrian zones
- ☐ neighborhood traffic circles / intersection island, calming two streets at once
- ☐ chicanes
- ☐ pedestrian refuges or center islands, for refuge or gateway treatment
- ☐ curb extensions or chokers, at intersections or mid-block

NOTES: no traffic calming requests

MUNICIPAL COMPLETE STREETS COMPLIANCE FORM

TO: Project File

FROM:

DATE:

SUBJECT: Complete Streets Compliance Form

Act 34 became effective July 1, 2011 and requires that the needs of all transportation users, regardless of their age, ability, or preferred mode of transportation be considered in state and municipal transportation projects and project phases. This project compliance form serves to document that Complete Streets practices and principles were considered and implemented where applicable for the project listed below. This project compliance form should be completed and retained in the Town's files and a copy provided to VTrans via the Regional Planning Commission.

Road: North Ave

Project Description: **Cal Yr 2018 paving program**

Compliance – If applicable, select all Complete Streets principles and practices that have been incorporated into the project.

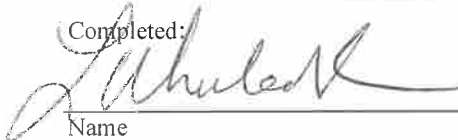
- | | |
|---|--|
| ☒ Sidewalks: installation, repair, ramps, railing, etc. | ☒ Pavement Improvements: replacement, repair, etc. |
| ☒ Crosswalks: installation, repair, markings, etc. | ☐ Shoulder Improvements: widen with new pavement. |
| ☒ Lighting: street or pedestrian scale. | ☐ Bike/Shared Use: paths, lanes, etc. |
| ☒ Signals: pedestrian features. | ☐ Public Transit: bus stops, bus pullouts, kiosks, etc. |
| ☐ Streetscaping: benches, bulbouts, landscaping, | ☐ Other (please describe): |

Exemption – If applicable, select one.

- ☐ The use of the transportation facility by pedestrians, bicyclists or other users is prohibited by law.
- ☐ The cost of incorporating complete streets principles is disproportionate to the need or probable use.
- ☐ Incorporating complete streets principles is outside the scope of the subject project due to its very nature.

If any of the boxes under "Exemption" are checked please provide a short justification below:

Completed:



Project Manager
Position

07/12/2017
Date

COMPLETE STREETS PROJECT REPORTING FORM

Form CS-1

A transportation project may be considered as involving full depth construction, extensive earthwork, impacts to adjacent resources, involvement of multiples departments / agencies / divisions, and/or having a project budget approved by a governing body.

Project Name Park St (Manhattan – North)

Project Manager and Department Laura K. Wheelock PE, DPW

Date 07/12/2018 File path L:\STREETS AND SIDEWALKS\2-Street Reconstruction Program – Paving\CALYR 2018 Street Paving FY18-19\1 -DESIGN\Complete Streets

Complete Streets principles WERE considered.

☒ [Form CS-2](#) attached

Complete Streets principles WERE NOT considered. This project is exempt because: (Check ONE)

☐ Use of the facility by pedestrians, bicyclists, or other users is prohibited by law.

Identify the limited access roadway: _____

☐ The cost of incorporating Complete Streets principles is disproportionate to the need or probable use of the facility.

☐ [Form CS-3](#) attached

☐ The project scope of work was approved prior to July 1, 2011.

Identify the project: _____

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Click here to enter a date. Agency of Transportation, Attn: Chris Cole

Form CS-2N

STREET CLASSIFICATION – NEIGHBORHOOD STREET

Any street not listed above.

Street Name: Park St (Manhattan – North)

The following features should be considered on Burlington's Neighborhood Streets

Sidewalks

- ☒ both sides of the street, or at least one side of the street on *Neighborhood Streets*
- ☒ 5' minimum in residential areas
- ☐ > 5' in neighborhood centers and high density residential
- ☐ 8' – 10' on Slow Streets
- ☒ 5' clear zone

NOTES:

Tree Belt

- ☒ 5' minimum
- ☒ 2' minimum for snow storage
- ☐ structural soil in neighborhood centers, high density residential

NOTES:

Street Trees

- ☐ hardscape or tree grates for passenger loading/unloading

NOTES: N/A

Transit Shelters (at stops with high ridership)

- ☐ outside of 5' clear zone
- ☐ benches
- ☐ lighting
- ☐ street trees
- ☐ pedestrian-scale signs

NOTES: no stops on road

Parking:

- ☐ back-in angled or parallel if next to bike lanes

NOTES: no bike lane

Transit Stops

- ☐ placed in front of crosswalks
- ☐ 100' – 140' curbside for streets with higher lower volume
- ☐ bus bulbs (6' x 35') for streets with higher traffic volume, high transit ridership, crowded sidewalks and/or inadequate space for transit stop amenities
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NOTES: no stops

Traffic Calming should be included on all streets with existing traffic calming features or on streets with an assessed need for traffic calming

- ☒ speed tables and raised crosswalks at mid-block locations
- ☐ raised intersections, calming two streets at once
- ☐ colored / textured pavement for prominent pedestrian zones
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- ☐ chicanes
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- ☐ curb extensions or chokers, at intersections or mid-block

NOTES:

MUNICIPAL COMPLETE STREETS COMPLIANCE FORM

TO: Project File

FROM:

DATE: 07/12/18

SUBJECT: Complete Streets Compliance Form

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Road: Park St (Manhattan – North)

Project Description: **Cal Yr 2018 paving program**

Compliance – If applicable, select all Complete Streets principles and practices that have been incorporated into the project.

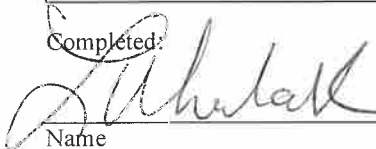
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| ☒ Lighting: street or pedestrian scale. | ☐ Bike/Shared Use: paths, lanes, etc. |
| ☐ Signals: pedestrian features. | ☐ Public Transit: bus stops, bus pullouts, kiosks, etc. |
| ☐ Streetscaping: benches, bulbouts, landscaping, | ☐ Other (please describe): |

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If any of the boxes under "Exemption" are checked please provide a short justification below:

Completed:



Project Manager

07/12/2018

Name

Position

Date

COMPLETE STREETS PROJECT REPORTING FORM

Form CS-1

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Project Name Pine St (Flynn – Lakeside)

Project Manager and Department Laura K. Wheelock PE, DPW

Date 07/12/2018 File path L:\STREETS AND SIDEWALKS\2-Street Reconstruction Program – Paving\CALYR 2018 Street Paving FY18-19\1 -DESIGN\Complete Streets

Complete Streets principles WERE considered.

☒ [Form CS-2](#) attached

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Click here to enter a date. Agency of Transportation, Attn: Chris Cole

Form CS-2N

STREET CLASSIFICATION – NEIGHBORHOOD STREET

Any street not listed above.

Street Name: Pine St (Flynn – Lakeside)

The following features should be considered on Burlington's Neighborhood Streets

Sidewalks

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- ☒ 5' clear zone

NOTES:

Tree Belt

- ☒ 5' minimum
- ☒ 2' minimum for snow storage
- ☐ structural soil in neighborhood centers, high density residential

NOTES:

Street Trees

- ☐ hardscape or tree grates for passenger loading/unloading

NOTES: N/A

Transit Shelters (at stops with high ridership)

- ☐ outside of 5' clear zone
- ☐ benches
- ☐ lighting
- ☐ street trees
- ☐ pedestrian-scale signs

NOTES: no stops on road

Parking:

- ☐ back-in angled or parallel if next to bike lanes

NOTES: no bike lane

Transit Stops

- ☐ placed in front of crosswalks
- ☐ 100' – 140' curbside for streets with higher lower volume
- ☐ bus bulbs (6' x 35') for streets with higher traffic volume, high transit ridership, crowded sidewalks and/or inadequate space for transit stop amenities
- ☐ 100' – 140' bus turnouts for transit stops with longer dwell times

NOTES: no stops

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- ☐ raised intersections, calming two streets at once
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- ☐ pedestrian refuges or center islands, for refuge or gateway treatment
- ☐ curb extensions or chokers, at intersections or mid-block

NOTES: no traffic calming requests

MUNICIPAL COMPLETE STREETS COMPLIANCE FORM

TO: Project File

FROM:

DATE:

SUBJECT: Complete Streets Compliance Form

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Road: Pine St (Flynn – Lakeside)

Project Description: **Cal Yr 2018 paving program**

Compliance – If applicable, select all Complete Streets principles and practices that have been incorporated into the project.

- | | |
|---|--|
| ☒ Sidewalks: installation, repair, ramps, railing, etc. | ☒ Pavement Improvements: replacement, repair, etc. |
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| ☒ Lighting: street or pedestrian scale. | ☐ Bike/Shared Use: paths, lanes, etc. |
| ☒ Signals: pedestrian features. | ☐ Public Transit: bus stops, bus pullouts, kiosks, etc. |
| ☐ Streetscaping: benches, bulbouts, landscaping, | ☐ Other (please describe): |

Exemption – If applicable, select one.

- ☐ The use of the transportation facility by pedestrians, bicyclists or other users is prohibited by law.
- ☐ The cost of incorporating complete streets principles is disproportionate to the need or probable use.
- ☐ Incorporating complete streets principles is outside the scope of the subject project due to its very nature.

If any of the boxes under "Exemption" are checked please provide a short justification below:

Completed:

Name

Project Manager

Position

07/12/2018

Date

COMPLETE STREETS PROJECT REPORTING FORM

Form CS-1

A transportation project may be considered as involving full depth construction, extensive earthwork, impacts to adjacent resources, involvement of multiples departments / agencies / divisions, and/or having a project budget approved by a governing body.

Project Name Pine St (Lakeside - Killburn)

Project Manager and Department Laura K. Wheelock PE, DPW

Date 07/12/18 File path L:\STREETS AND SIDEWALKS\2-Street Reconstruction Program - Paving\CALYR 2018 Street Paving FY18-19\1 -DESIGN\Complete Streets

Complete Streets principles WERE considered.

☒ [Form CS-2](#) attached

Complete Streets principles WERE NOT considered. This project is exempt because: (Check ONE)

☐ Use of the facility by pedestrians, bicyclists, or other users is prohibited by law.

Identify the limited access roadway: _____

☐ The cost of incorporating Complete Streets principles is disproportionate to the need or probable use of the facility.

☐ [Form CS-3](#) attached

☐ The project scope of work was approved prior to July 1, 2011.

Identify the project: _____

The following activities are outside the scope of a transportation project and are not reported: Pothole patching / roadway preventative maintenance, shim paving, traffic signal upgrades to LED bulbs, sidewalk repair, catchbasin repair or installation, street sweeping or plowing, roadside mowing or trimming, sign replacement or installation, electrical upgrades, and emergency repairs.

This form was distributed:

Click here to enter a date. Clerk / Treasurer's Office, Attn: Lori Olberg
Click here to enter a date. Agency of Transportation, Attn: Chris Cole

Form CS-2N

STREET CLASSIFICATION – NEIGHBORHOOD STREET

Any street not listed above.

Street Name: Pine St (Lakeside - Killburn)

The following features should be considered on Burlington's Neighborhood Streets

Sidewalks

- ☒ both sides of the street, or at least one side of the street on *Neighborhood Streets*
- ☒ 5' minimum in residential areas
- ☐ > 5' in neighborhood centers and high density residential
- ☐ 8' – 10' on Slow Streets
- ☒ 5' clear zone

NOTES:

Tree Belt

- ☒ 5' minimum
- ☒ 2' minimum for snow storage
- ☐ structural soil in neighborhood centers, high density residential

NOTES:

Street Trees

- ☐ hardscape or tree grates for passenger loading/unloading

NOTES: N/A

Transit Shelters (at stops with high ridership)

- ☐ outside of 5' clear zone
- ☐ benches
- ☐ lighting
- ☐ street trees
- ☐ pedestrian-scale signs

NOTES: no stops on road

Parking:

- ☐ back-in angled or parallel if next to bike lanes

NOTES: no bike lane

Transit Stops

- ☐ placed in front of crosswalks
- ☐ 100' – 140' curbside for streets with higher lower volume
- ☐ bus bulbs (6' x 35') for streets with higher traffic volume, high transit ridership, crowded sidewalks and/or inadequate space for transit stop amenities
- ☐ 100' – 140' bus turnouts for transit stops with longer dwell times

NOTES: no stops

Traffic Calming should be included on all streets with existing traffic calming features or on streets with an assessed need for traffic calming

- ☐ speed tables and raised crosswalks at mid-block locations
- ☐ raised intersections, calming two streets at once
- ☐ colored / textured pavement for prominent pedestrian zones
- ☐ neighborhood traffic circles / intersection island, calming two streets at once
- ☐ chicanes
- ☐ pedestrian refuges or center islands, for refuge or gateway treatment
- ☐ curb extensions or chokers, at intersections or mid-block

NOTES: no traffic calming requests

MUNICIPAL COMPLETE STREETS COMPLIANCE FORM

TO: Project File

FROM:

DATE:

SUBJECT: Complete Streets Compliance Form

Act 34 became effective July 1, 2011 and requires that the needs of all transportation users, regardless of their age, ability, or preferred mode of transportation be considered in state and municipal transportation projects and project phases. This project compliance form serves to document that Complete Streets practices and principles were considered and implemented where applicable for the project listed below. This project compliance form should be completed and retained in the Town's files and a copy provided to VTrans via the Regional Planning Commission.

Road: Pine St (Lakeside - Killburn)

Project Description: **Cal Yr 2018 paving program**

Compliance – If applicable, select all Complete Streets principles and practices that have been incorporated into the project.

- | | |
|---|--|
| ☒ Sidewalks: installation, repair, ramps, railing, etc. | ☒ Pavement Improvements: replacement, repair, etc. |
| ☒ Cross walks: installation, repair, markings, etc. | ☐ Shoulder Improvements: widen with new pavement. |
| ☒ Lighting: street or pedestrian scale. | ☐ Bike/Shared Use: paths, lanes, etc. |
| ☒ Signals: pedestrian features. | ☐ Public Transit: bus stops, bus pullouts, kiosks, etc. |
| ☐ Streetscaping: benches, bulbouts, landscaping, | ☐ Other (please describe): |

Exemption – If applicable, select one.

- ☐ The use of the transportation facility by pedestrians, bicyclists or other users is prohibited by law.
- ☐ The cost of incorporating complete streets principles is disproportionate to the need or probably use.
- ☐ Incorporating complete streets principles is outside the scope of the subject project due to its very nature.

If any of the boxes under "Exemption" are checked please provide a short justification below:

Completed:



Project Manager

Name

Position

07/10/2018

Date



July 12, 2018

TO: Public Works Commission

FROM: Phillip Peterson, DPW Engineer Technician *PMP 7/12/18*

CC: Nicole Losch PTP, Senior Transportation Planner

RE: Consent Agenda Item: Great Streets – St Paul Street Meter Adjustments

Recommendation:

Staff recommends the Commission approve:

17 Designation of parking meter zones.

(e) Three (3) hour zones. The following streets or portions of streets are hereby designated as three (3) hour parking:

(19) East side of St. Paul Street from King to Maple streets.

(22) St. Paul Street from King to Main streets.

(f) Ten (10) hour zones. The following streets or portions of streets are hereby designated as ten (10) hour parking:

(9) West side of St. Paul Street from King to Maple streets.

Purpose & Need:

The purpose of this request is to implement the approved Great Streets St Paul Street parking plan. The need is to provide local businesses and residents with City regulated on street parking.

Project Checklist:

	N/A	Yes	No	Reference
Aligns with MUTCD standards and/or established City Policy?	X			
Aligns with City plans?		X		
Followed Public Engagement Plan?		X		This project falls under INVOLVE on the Spectrum of Engagement and the minimum engagement strategies were met.

Summary and Conclusion:

In January 2017, the DPW Commission approved meter changes on Saint Paul Street due to the Eagles Landing project. The meters have been approved to change back to what existed prior to the Eagles Landing Project once construction is complete. Following the completion of the Great Streets Project on Saint Paul Street DPW will be using a kiosk based parking system on Saint Paul Street between Maple Street and Main Street using the same meter rates.

Public Outreach:

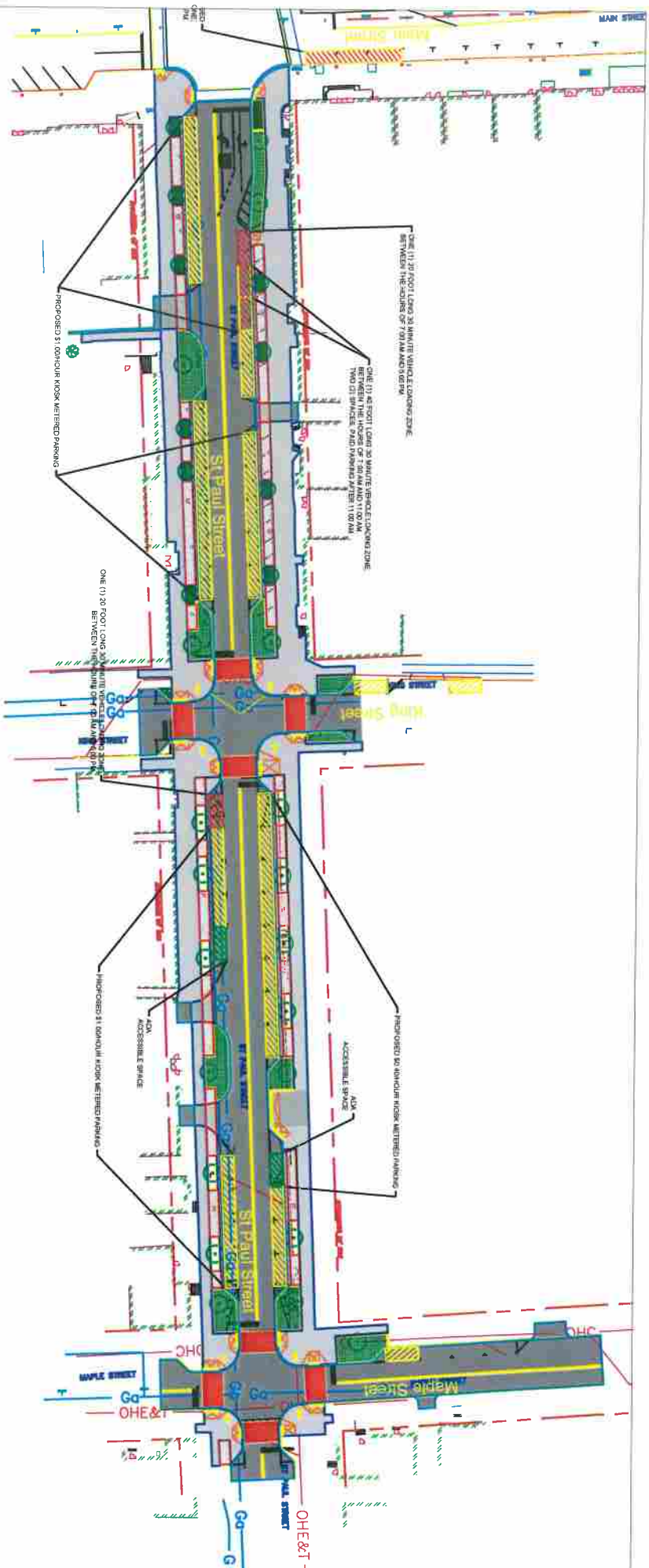
The following are dates when DPW Staff conducted public outreach in regards to this issue.

- a. Neighborhood Meeting June, 2017
- b. TEUC Meeting June, 2017
- c. DPW Commission Meeting July, 2017
- d. Neighborhood Meeting January, 2018

Additionally, staff have gone door to door and talked to businesses adjacent to the request to ensure they knew the possible timeline of work being done.

Attachments:

- 1. Site map



NOTES:

Staff recommends the Commission approve the following:

- 17 Designation of parking meter zones.
- (e) Three (3) hour zones. The following streets or portions of streets are hereby designated as three (3) hour parking:
 - (19) East side of St. Paul Street from King to Maple streets.
 - (22) St. Paul Street from King to Main streets.
- (f) Ten (10) hour zones. The following streets or portions of streets are hereby designated as ten (10) hour parking:
 - (9) West side of St. Paul Street from King to Maple streets.

NOT TO SCALE



SAINT PAUL STREET
PROPOSED
KIOSK PARKING



**BURLINGTON
PUBLIC WORKS
ENGINEERING DIV.**
605 ONE CENTER
BURLINGTON, VT 05401
(802) 255-3000 (ext.)
(704)

DATE	BY	APP'D	REV
07/11/18	CHC	GO	1
	GO		



July 12, 2018

TO: Public Works Commission

FROM: Phillip Peterson, DPW Engineer Technician *PWP 7/12/18*

CC: Nicole Losch PTP, Senior Transportation Planner

RE: Consent Agenda Item: Great Streets – St Paul Street Temporary Construction Parking Changes

Recommendation:

Staff recommends the Commission approve:

12 No parking daytime or weekdays except by trucks loading or unloading:

(b) No vehicle other than a truck actually engaged in loading or unloading shall use, for no more than thirty (30) minutes, the following parking spaces:

(4) The first, second, and third parking space east of St. Paul Street on the south side of Main Street, Monday through Friday from 7:00 AM - 4:00 PM.

**Once Great Streets construction is completed this loading zone will be removed. After 4:00 PM these loading zone spaces would revert to regular metered spaces.*

Purpose & Need:

The purpose of this request is to maintain the appropriate number of loading zones serving St Paul Street during construction. Once Great Streets construction is completed this loading zone will be removed. The need is to provide local businesses on St Paul Street with areas to load and unload. The physical design of an urban street like St Paul Street poses a number of challenges for accommodating a broad range of transportation modes and a diversity of street users. Many of these challenges are a consequence of competing demands and desires within the street and a need to balance the needs of diverse ground floor uses, this truck loading zone would meet the truck loading and unloading need for the businesses in this area.

Project Checklist:

	N/A	Yes	No	Reference
Aligns with MUTCD standards and/or established City Policy?	X			

Aligns with City plans?		X		
Followed Public Engagement Plan?		X		This project falls under INVOLVE on the Spectrum of Engagement and the minimum engagement strategies were met.

Summary and Conclusion:

During the planning phase for the 2018 construction project on St Paul Street between Main Street and Maple Street, a need to establish temporary truck loading zones adjacent to Saint Paul Street was established by staff. The proposed temporary truck loading zone will be necessary to several local residents and businesses. During construction Saint Paul Street will be temporarily closed to traffic. The temporary truck loading zone will be the first three spaces on the south side of Main Street directly east of Saint Paul Street; and will have a 30-minute time limit, Monday through Friday from 7 am until 4 pm. After 4 pm the temporary truck loading zone will revert to metered parking.

Public Outreach:

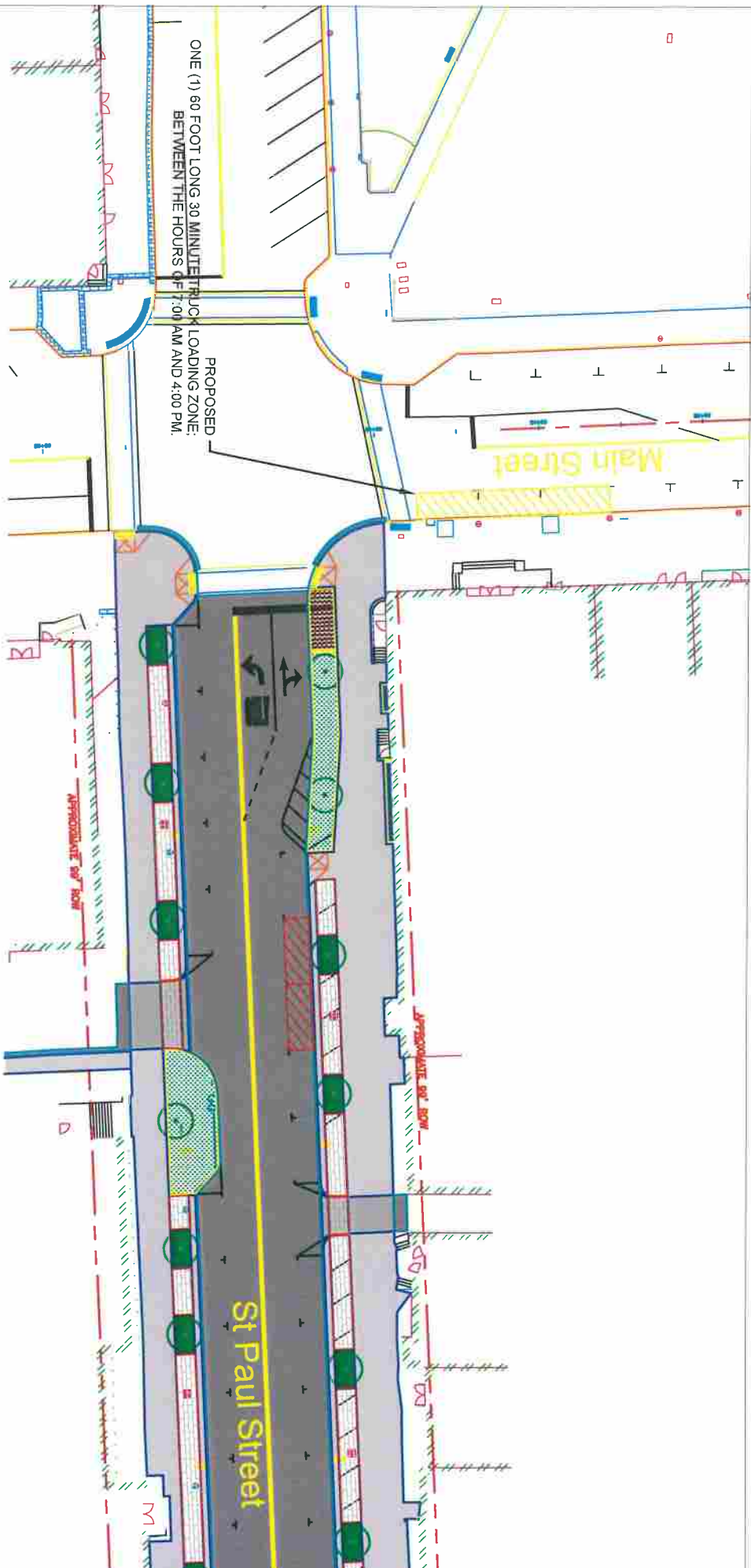
The following are dates when DPW Staff conducted public outreach in regards to this issue.

- a. Neighborhood Meeting June, 2017
- b. TEUC Meeting June, 2017
- c. DPW Commission Meeting July, 2017
- d. Neighborhood Meeting January, 2018

Additionally, staff have gone door to door and talked to businesses adjacent to the request to ensure they knew the possible timeline of work being done.

Attachments:

- 1. Site map



ONE (1) 60 FOOT LONG 30 MINUTE TRUCK LOADING ZONE:
BETWEEN THE HOURS OF 7:00 AM AND 4:00 PM.

PROPOSED

Main Street

St Paul Street

APPROXIMATE 60' ROW

APPROXIMATE 60' ROW

NOTES:

Staff recommends the Commission approve the following:

12 No parking daytime or weekdays except by trucks loading or unloading;

(b) No vehicle other than a truck actually engaged in loading or unloading shall use, for no more than thirty (30) minutes, the following parking spaces;

(4) The first, second, and third parking space east of St. Paul Street on the south side of Main Street, Monday through Friday from 7:00 AM - 4:00 PM.

NOT TO SCALE



SAINT PAUL STREET
PROPOSED
LOADING ZONES AND
ACCESSIBLE SPACES



**BURLINGTON
PUBLIC WORKS
ENGINEERING DIV.**
100 N. CHURCH STREET
BURLINGTON, VT 05401
(802) 255-3344 (ext.)

DESIGNED	DATE
PAW	12/15/15
CHECKED	
ME	
DATE	



July 9, 2018

TO: Public Works Commission

FROM: Phillip Peterson, DPW Engineer Technician *PMP 7/9/18*

CC: Nicole Losch PTP, Senior Transportation Planner *N 7/10/18*

RE: Consent Agenda Item: Proposed Accessible ADA (Americans with Disabilities Act) Parking Space on Adams Court

Recommendation:

Staff recommends that the Commission adopt

7A Accessible spaces designated. No person shall park any vehicle at any time in the following locations, except automobiles displaying special handicapped license plates issued pursuant to 18 V.S.A. § 1325, or any amendment or renumbering thereof:

169. On the south side of Adams Court beginning three hundred forty-seven (347) feet east of Shelburne Street and extending east for a distance of twenty (20) feet.

Purpose & Need:

The purpose is to provide accessible parking on street as recommended by the Public Rights-of-Way Accessibility Guidelines (PROWAG). The need for accessible parking in this location will be close to several homes which would benefit the disabled community in this area.

Project Checklist:

	N/A	Yes	No	Reference
Aligns with MUTCD standards and/or established City Policy?		X		PROWAG
Aligns with City plans?		X		
Followed Public Engagement Plan?		X		This project falls under INVOLVE on the Spectrum of Engagement and the minimum engagement strategies were met.

Summary and Conclusion:

Staff received a request from a local resident on Adams Court asking Staff to create an Accessible (ADA) space near 35 Adams Court. There were several residents in the area that called and wrote emails in support of the placement of the accessible space. The proposed accessible space will be close to several homes; having an accessible space would benefit the disabled community in this area.

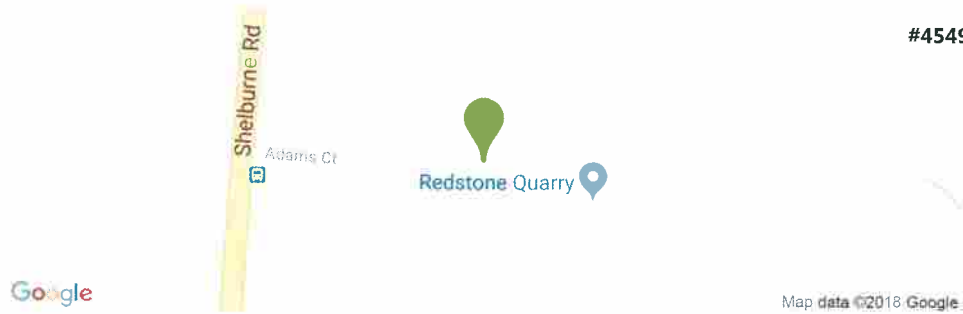
Attachments:

1. Initial request
2. Site map
3. Public input correspondence

0

Acknowledged

Change S



#4549512 (<https://seeclickfix.com/issues/4549512>)

44.4615663, -73.20

Transportation and Parking Improvement Request

Created D

06/11/2018 6:20

35 Adams Court Burlington, VT

Details

Requester is asking for an Accessible (ADA) Parking Space adjacent to their home.

Secondary Questions

What type of infrastructure are you requesting?

parking request

Please enter a contact phone number or email address so that we can follow-up and ask additional questions as part of our Standard Operating Procedure for this category.

8028639094

0

Request Information

Reporter:

An anonymous SeeClickFix user | Registered User

Report Method:

Walk-in

Keyed by:

DPW Engineering PP

Category:

Transportation and Parking Improvement Request

Recategorize

Assigned to:

You

Assign

Due Date:

11/22/2019

Change Due Date

SLA Expires at:

11/22/2019

Priority:

Normal

Prioritize





NOTES:

Staff recommends amendment of the following ordinance:

Appendix C: Rules and Regulations of the Traffic Commission

7A Accessible spaces designated. No person shall park any vehicle at any time in the following locations except automobiles displaying special handicapped license plates issued pursuant to 18 V.S.A. § 1325, or any amendment or renumbering thereof: On the south side of Adams Court beginning three hundred forty-seven (347) feet east of Swilburne Street and extending east for a distance of twenty (20) feet.

NOT TO SCALE



ADAMS COURT
ACCESSIBLE PARKING SPACE



BURLINGTON, VT
PUBLIC WORKS
ENGINEERING DIV.
100 State St., 10th Floor
Burlington, VT 05401
(802) 255-3000 (ext. 2400)
(802) 255-3000 (fax)

DESIGNED	DATE
10/1/18	10/1/18
CHECKED	DATE
10/1/18	10/1/18

6-27-18: Received phone call from Adams Court resident Gary Schaedel 47 Adams Court, he is in favor of the ADA space on Adams Court. Mr. Schaedel was curious about the process for applying for ADA parking. Additionally, he expressed concern about the lack of parking on his street.

6-26-18: Received phone call from Adams Court resident David Bissonette 55 Adams Court, he is not in favor of the ADA space due to a lack of available parking spaces on Adams Court.

6-26-18

Phillip Peterson,

I am highly in favor of the Leonard's having an Accessible Parking Space. The parking on Adams Ct. is often insufficient, especially around 29, 33 and 35 Adams Ct. The apartment building at 29 Adams Ct. has four parking spaces behind the building, but six people with six cars live there. Five other households have two cars but driveway space for only one car. That puts seven cars on the street with no one visiting. Four cars park at the bottom of Adams Ct. that don't live on this street. Three of the cars belong to rentals on Shelburne Road and one belongs to a Duncan Donuts worker.

That is ten cars parked on a short dead-end street that has parking on only one side of the road. I understand that this is a common problem throughout the city. That being said, the six people living in Austin Hart's apartment building are all under 30 and physically active. The Leonards have asked several times for the one spot at the top of the street in front of their house be left open for them. So far not much success.

The Leonard's young daughter, Mauve, has Cystic Fibrosis. She is frequently in the hospital for two weeks at a time to help clear her lungs enough so that she can breath at half the rate of the rest of us. There are times when Sarah **must** get Mauve to the hospital for an unscheduled 'visit'. It is logical that Sarah should be able to access her vehicle immediately and bring it to her door. Mauve often doesn't have the breath or energy to walk down the street to their car.

Mauve is a sick child. At best she can occasionally go to school for one or two hours a day. Last year she missed 180 days. Right now as I look outside my window, there are two cars parked in front of Austin Hart's apartment building. Both belong to renters under the age of 25. Both people are recent college graduates. They are not illiterate or in a wheel chair. But, in spite of being asked to not park in the front spot in front of the Leonard's house, they do. The spot needs a handicap sign.

Thank you.

Sidney Eley (Ms.)

Hi Phillip!

Ok thank you so much for the update and info!
Being New to this process, I was curious.

Warmly- Sarah

On Tue, Jun 26, 2018 at 8:44 AM

Sarah,

My plan is to do public outreach this week. The hope is to make a recommendation to the DPW Commission at our July meeting. The Commission will meet in our Front Conference Room on Wednesday, July 18, at 6:30 pm at 645 Pine Street. I will keep you in the loop as we proceed forward with this process.

Best,

Phillip Peterson

Sent: Monday, June 25, 2018 1:51 PM

Hi Phillip-

Can you confirm when you have the chance that you received my email and can you also let me know the process from this point forward .

I think it goes forward as a presentation to a meeting sometime in July? Or maybe you said last week .

Thanks Phillip!

Warmly- Sarah Leonard

On Fri, Jun 15, 2018 at 9:45

Hi Phillip-

My apologies, I forgot to email you the other day. It is the Last week of school so it's been quite busy .

Here is the context for which explains why I am seeking a handicap accessibility parking spot on Adams Court.

Adams court street is an "L" shaped street and dead end. We live in the house that sits directly on "top" of the street. In Front of our property is an area of the street that is consistently used by trucks, and cars as a turnaround area when vehicles are trying to drive back down the street, make deliveries, trash removal or wrong street turn around- vehicles . Plow trucks pile the snow up in front of our house as well. Our property has a very small driveway that can accommodate only one vehicle out of two that we own. We are a family of 5.

My 12 yr. old daughter has Cystic Fibrosis and currently Is awaiting a double lung transplant, therefore she has a handicap tag available in our vehicles for parking .

What has been the most significant challenge for us the past few years is being able to park our second vehicle on the street and closest to our house.

This is due to the fact that there is a triplex which has three rentals. Behind the triplex is a landlord provided parking area that can accommodate four cars . Perfect for when there are only three tenants, but that is rare and often there are two people each with their own vehicles living in each apartment, as well as visitors and multiple extra cars that cannot fit in the back parking lot of the triplex. It's always of course a different situation with renters yr to yr but one thing that is consistent, is there is never enough parking for the amount of people that live in the building . Subsequently, the spaces closest to our house and literally down the street the entire way of Adams Court are often taken. There is a couple other rental units on Shelburne and Hoover for which residents also park on Adams Court.

There is even currently an employee who works at Dunkin' Donuts who parks on Adams Court because they are not allowed to park at their place of employment, Dunkin Donuts.

I think I'm conveying the picture. Parking can be very difficult to find on Adams Court.

Last week again, my husband at 10 pm had to drop my daughter off at our house and then had to park his car at Callahan park and walk back to our home because there was no parking anywhere on the street . This has occurred a couple of times for us since we moved here six years ago .

We have tried through the years to ask tenants if they could possibly consider leaving the "public parking space" adjacent to our property open for us to park our car for the sake of our daughter. It never works. And it has only become more difficult to have to keep asking and subsequently, more frustrating that we cannot park close to our house with our daughter when we are trying to park our second vehicle.

The extent of her Cystic Fibrosis makes it Very challenging with her walking and breathing, and she is on Oxygen.

We are asking the city of Burlington to please install at the top of Adams Court a Handicap spot, understanding of course that it will be for any individual with a handicap Placard to use, but certainly it could provide a little more assurance when it is available for our family to use for our daughter .

We spoke with some of our neighbors and everybody was in Support in agreement Of our pursuit. All of our neighbors, have driveways that can accommodate more than one one vehicle at any given time so it's of no issue to them anyhow . Our home is the sole exception due to the nature of where our house sits and our small short driveway .

Thank you very much for your time and consideration of our request.

Warmly- Sarah Leonard

Hi Phillip-

I would be very appreciative of coming in at your earliest convenience to pick up the paperwork .

Thank you so much for your time !

Warmly- Sarah Leonard

Fri, Jun 8, 2018 at 10:30

Good morning Phillip,

Ms. Sarah Leonard (included on this email) was at our front counter around 10:20am on Friday, 8 June 2018.

Ms. Leonard is looking for the paperwork connected to requesting an accessible spot on Adams Ct. Please pass that paperwork along to her via this email.



July 12, 2018

TO: Public Works Commission

FROM: Phillip Peterson, DPW Engineer Technician *PMP 7/12/18*

CC: Nicole Losch PTP, Senior Transportation Planner *N 7/12/18*

RE: Consent Agenda Item: College Street Truck Loading Zone

Recommendation:

Staff recommends the Commission adopt:

(13) No parking any time except trucks loading or unloading. No person shall park a vehicle at any time on the following streets, unless the same is a truck actually engaged in loading or unloading, and for no more than thirty (30) minutes:

(1) On the north side of College Street, in the first four (4) spaces east of Saint Paul Street, between 7:00 a.m. and 10:00 a.m.

The proposed College Street parking meters are already designated as a parking meter zone within the no time limit metered pay zone.

Purpose & Need:

The purpose of a truck loading zone in this area would allow trucks to make deliveries to a proposed hardware store at 148 College Street. The physical design of an urban street like College Street poses a number of challenges for accommodating a broad range of transportation modes and a diversity of street users. Many of these challenges are a consequence of competing demands and desires within the street and a need to balance the needs of diverse ground floor uses, this truck loading zone would meet the truck loading and unloading need for the businesses in this area.

Project Checklist:

	N/A	Yes	No	Reference
Aligns with MUTCD standards and/or established City Policy?	X			
Aligns with City plans?		X		

Followed Public Engagement Plan?		X		This project falls under INVOLVE on the Spectrum of Engagement and minimum engagement strategies were met.
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Summary and Conclusion:

The Department of Public Works (DPW) received a request from Jeff Nick, a real estate agent for a potential new business located at 148 College Street, requesting the placement of a truck loading zone adjacent to 148 College Street. The truck loading zone is needed for vehicles delivering to this potential new business. The proposed truck loading zone will be in the first four spaces on the north side of College Street directly east of Saint Paul Street; and will have a 30-minute time limit, Monday through Friday from 7 am until 10 am. After 10 am the truck loading zone will become metered parking.

Public Outreach:

Public outreach was conducted in accordance with the DPW Public Engagement Plan. Staff have gone door to door and talked to businesses adjacent to the request. All the business owners staff spoke to seemed positive about the possibility of a truck loading zone in this area. Additionally, staff received questions from a local City Councilor as to why a loading zone of this size was needed; the city councilor supports the request once staff explained the larger picture of what is being recommended.

Attachments:

1. Initial request
2. Site map

Hi Patrick and Phillip,

I wanted to give you both a heads up that an Ace Hardware is coming to 148-156 College Street. The Mayor, a team from CEDO, Caleb Manna, Jeff Nick, and Gordon and Debbie (Ace Hardware franchise owners) just met at the proposed College Street location. We talked about a few things that are needed to make this happen: retrofits, moving accessibility ramp, P+Z requirements, and parking. The Mayor mentioned your names for where to find more information on potential delivery truck options in front of the store. They are expecting one delivery per week and are looking into options like a delivery sign, bagging meters, etc. We recommended coordinating deliveries before the meters are on at 9am.

Anyway, just wanted to give you some background information and a heads up that Jeff Nick will probably be reaching out to you. Let me know if you have any questions.

Thanks,
Will

Will Clavelle
Business Projects & Policy Specialist
Community & Economic Development Office



NOTES:

Staff recommends the Commission adopt:
 (13) No parking any time except trucks loading or unloading. No person shall park a vehicle at any time on the following streets, unless the same is a truck actually engaged in loading or unloading, and for no more than thirty (30) minutes:

1. On the north side of College Street, in the first four (4) spaces east of Saint Paul Street, between 7:00 a.m. and 10:00 a.m.

NOTES:

The proposed College Street parking meters are already designated as a parking meter zone within the no time limit metered pay zone.



PROPOSED DUAL USE
 TRUCK LOADING ZONE
 METERED SPACES



**BURLINGTON
 PUBLIC WORKS
 ENGINEERING DIV.**
 100 N. CHURCH STREET
 BURLINGTON, VT 05401
 (802) 255-0099 (Ext.)

DESIGNED	DATE	BY
07/11/18	07/11/18	07/11/18



**CITY OF BURLINGTON
DEPARTMENT OF PUBLIC WORKS**

645 Pine St. Suite A
Post Office Box 849
Burlington, VT 05402-0849
802.863.9094 X3
802.863.0466 FAX
802.863.0450 TTY

Chapin Spencer
DIRECTOR OF PUBLIC WORKS

MEMORANDUM

TO: DPW Commission
FROM: Chapin Spencer, Director
Patrick Mulligan, Assistant Director – Parking & Traffic
DATE: July 12, 2018
RE: Amendments to Appendix C, Rules and Regulations of the Traffic
Commission §§ 18 and 19: Designate 194 St. Paul Street Lot as a City
Leased/Managed Lot and Set Hourly Rate at \$1.50/hour

Recommendation:

Staff recommends that the Commission (1) amend Appendix C § 18 to include the new parking lot known as 194 St. Paul Street and (2) amend Appendix C § 19 to set the hourly rate for the new lot at \$1.50/hour in accordance with the Agreement Between Champlain College and the City of Burlington, Vermont Regarding Management of Public Parking Allocation at 194 Saint Paul Street (“Agreement”) which is, based on the July 9, 2018 recommendation of Board of Finance, set to go before the City Council for approval and authorization on July 16, 2018 upon the July 9, 2018. Approve the 5-day/week monthly parking rate at \$80/month and the 6-day/week monthly parking rate at \$96/month.

Background:

On 11/28/16, the City Council authorized execution of a Purchase Sale Agreement with Champlain College for the property formally known as Browns Court property. One of the stipulations set forth by the Development Review Board for the 194 St. Paul Street project required that 53 of the 65 total on-site parking spaces be made available to the general public pursuant to the City permit conditions. For context, these 53 public spaces are more than the 40 metered spaces that were in the former Browns Court lot. The remaining non-public spaces will be located within a controlled gated area of the garage to be used for car share and tenants of the facility.

The Department of Public Works (DPW) staff along with participation of CEDO and the BBA staff has been negotiating a management agreement with Champlain College to have the City manage the 53 public spaces. The benefits of City management include:

- Ensure public’s ease of use by having consistency of operations, signage, equipment, rates, and pay-by-cell provider
- Have ability to manage rates in a way that ensures a high level of utilization

An Equal Opportunity Employer

This material is available in alternative formats for persons with disabilities. To request an accommodation, please call 802.863.9094 (voice) or 802.863.0450 (TTY).

- Revenue opportunity for Traffic Fund (operational revenues) and General Fund (enforcement revenues)

We propose managing the facility using three (3) multi-space pay stations (aka 'kiosks). These three pay stations in particular were previously acquired for the Main Street kiosk pilot and have been paid for in full. The ongoing operational costs for these kiosks is included in the Parking Facilities Fund budget. In addition to the kiosks, Parkmobile will be offered as a payment option as well. The monthly parking, if offered, will not exceed twenty (20) non-exclusive spaces and will be time limited from 7:00 am – 5:30 pm as recommended by the Board of Finance. If offered, we plan for the monthly parking rates to be consistent with other City garages (currently \$80/month for 5days/wk and \$96/month for 6 days/wk. On July 9, 2018 the Board of Finance recommended that City Council authorize Chapin Spencer to enter into the Agreement for a term of five years. It is anticipated that the City Council will authorize Chapin Spencer to enter into the Agreement for a term of five years at the July 16, 2018. The Agreement was also brought before the Commission as a discussion item at the June 20, 2018 meeting.

In order for the City to manage this new lot in accordance with the Agreement Appendix C needs to be amended to (1) include the new parking lot known as 194 St. Paul Street and (2) designate an hourly rate of \$1.50/hour for the new parking lot known as 194 St. Paul Street. Specifically, staff recommends the following amendments:

18 Parking facility designations.

(b) Leased lot locations:

(1) The city-owned lot on the west side of Elmwood Avenue near the intersection of Grant Street, known as the Elmwood Avenue Lot.

(2) The city-owned lot located on Main Street that is adjacent to the metered lot on the northeast corner of Main and Winooski.

(3) The city-owned lot at the intersection of College Street and Lake Street on the northwest corner, known as the Pease Grain lot.

(4) ~~[Reserved.]~~ The city-leased and managed lot located on St. Paul Street between King Street and Maple Street known as 194 St. Paul Street Lot.

19 Parking rates.

(b) The rate of charge for parking in metered city lots shall be as follows:

Location Rate per Hour

- | | | |
|-----|---|---------------|
| (1) | Main Street and South
Winooski Avenue | \$1.50 |
| (2) | College Street (Library): | |
| | One-hour meters | 1.00 |
| | Ten-hour meters | 0.40 |
| (3) | Pearl Street and Pine
Street | |
| | Three-hour meters | 1.00 |
| | Ten-hour meters | 0.40 |
| (4) | [Reserved.] <u>194 St. Paul
Street Lot</u> | <u>\$1.50</u> |

Material in [~~Brackets~~] delete.

Material underlined add.

Thank you for your consideration of this request. Do not hesitate to contact me with any questions.



July 12, 2018

Memo

TO: Public Works Commission

FROM: Maximilian Gildemeister, DPW Engineering Intern *MAG 7/12/18*
Phillip Peterson, DPW Engineer Technician *Pw 7/12/18*

CC: Laura Wheelock PE, Public Works Engineer

RE: ADA Transition Plan Draft Review, Commenting Period, and Adoption

The Americans with Disabilities Act of 1990 (ADA) required public entities with more than 50 employees to create and release Transition Plans outlining their progress and planning towards making their facilities and right-of-way more accessible by 1992. In this regard the City of Burlington's Department of Public Works (DPW) is in need of an ADA Transition Plan to address the needs of the disabled population, outline steps which will be taken to bring the City's Public Rights-of-Way towards total ADA compliance, and to serve as a safeguard against possible legal action from residents, civil justice groups, etc.

Summary:

DPW staff have developed a draft ADA Transition Plan to bring to the Commission for approval. A requirement of the Transition Plan, stated in the ADA, is that it is made readily available to the public for a commenting process. Bringing the Plan to the Commission serves to ensure that the community, especially those living with disabilities, have a chance to express feedback about the Transition Plan.

After the Commission meeting, DPW staff will provide a two-week commenting period for the Plan to further allow interested persons an opportunity to respond to the proposed Transition Plan draft. Feedback and comments received from both the Commission meeting and from this commenting period will be incorporated into the final draft of the Plan, which will eventually be published on the DPW website if the Commission approves this draft of the ADA Transition Plan.

City of Burlington Vermont



Department of Public Works

**Draft ADA Transition Plan
July 2018**



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1. INTRODUCTION: DEVELOPMENT OF ADA TRANSITION PLAN

The Americans with Disabilities Act of 1990 (ADA) provides comprehensive civil rights protections to qualified individuals with disabilities in the areas of employment, public accommodations, State and local government services, and telecommunications. A primary goal of the ADA is to ensure equal participation in public life for all Americans with disabilities. Title II of the Act covers programs, services and activities of public entities, such as the City of Burlington.

Under Title II, a public entity may not deny the benefits of its programs, services, and/or activities to individuals with disabilities by maintaining inaccessible facilities, which house these programs, services and activities. The City's programs, services, and activities, when viewed in their entirety, must be made accessible to and usable by individuals with disabilities, except where to do so would result in a fundamental alteration in the nature of the program; result in undue financial and administrative burdens; or threaten or destroy the historic significance of a historic property.

Section §35.150 requires that each program, service or activity conducted by a City, when viewed in its entirety, be readily accessible to and usable by individuals with disabilities. The regulation makes clear, however, that a City is not required to make each of its existing facilities accessible (§35.150(a)(1)). Unlike Title III of the ADA, which requires public accommodations to remove architectural barriers where such removal is "readily achievable," or to provide goods and services through alternative methods, where those methods are "readily achievable," Title II requires a City to make its programs accessible in all cases, except where to do so would result in a fundamental alteration in the nature of the program or in undue financial and administrative burdens. The US Congress intended the "undue burden" standard in Title II to be significantly higher than the "readily achievable" standard in Title III. Thus, although Title II may not require removal of barriers in some cases where removal would be required under Title III, the program access requirement of Title II should enable individuals with disabilities to participate in and benefit from the programs, services or activities of cities in all but the most unusual cases.

To comply with the Title II requirements for accessibility to City programs, services and activities, this Transition Plan:

- Evaluates existing policies, procedures and practices as they pertain to the City's programs, services and activities;
- Provides findings and recommendations with regard to policies, procedures and practices;
- Identifies physical obstacles in the public entity's facilities that limit the accessibility of its programs or activities to individuals with disabilities;
- Describes in detail the methods that will be used to make the facilities accessible;
- Estimates costs for mitigation solutions;
- Specifies the steps necessary to achieve compliance;
- Provides a schedule for barrier removal/mitigation;
- Sets priorities for barrier elimination; and

- Indicates the official responsible for implementation of the plan.

Per 28 Code of Federal Regulations, Part 35; Subpart D – Program Accessibility; §35.150 – Existing Facilities; (d) Transition Plan (1): The City shall provide an opportunity to interested persons, including individuals with disabilities or organizations representing individuals with disabilities, to participate in the development of the Transition Plan by submitting comments.

In order to satisfy this requirement and to gain the perspective of persons with disabilities, a public commenting period was held by the City from July 18th to July 22nd, 2018. Additionally, a draft proposal of this Transition Plan was brought before the Department of Public Works (DPW) Commission in a public meeting to be approved. Information and opinions from interested persons obtained via this commenting process were taken into account in the writing of this Transition Plan, and is elaborated upon in Section 7 – Public Input.

To create a comprehensive and accurate Transition Plan, the City conducted a self-evaluation of its policies, procedures, and practices; its facilities; and its rights-of-way in addition to collecting recommendations from the public.

The City-led initiative to assess the compliance of its policies and procedures was completed in the summer of 2018. For more information regarding ADA compliance of the City's policies, procedures, and practices, see Section 4 – Self-Evaluation of Policies, Procedures, and Practices. Assessment of public facilities was conducted in ____, and can be found in Section 5 – Access Compliance Assessments of Facilities. DPW conducted a survey of all public rights-of-way, documenting the existing condition of sidewalks, barriers to access, and overall accessibility of all City-managed rights-of-way. Metrics were developed to create a prioritized list of sidewalks in order of compliance with Title II of the ADA. Information regarding the survey, the prioritization metrics themselves, and more are covered in Section 6 – Access Compliance Assessments of the Public Right-of-Way.

Finally, a plan of implementation and maintenance was developed to bring the City towards total ADA compliance, which can be found in Section 8 – Transition Plan Implementation.

2. LIMITATIONS

The City of Burlington faces many challenges in reaching full compliance with the ADA. Most of the upgrades made to the transportation system will occur as alterations to the existing right of way and building facilities, and much of this work is contingent on funding and prioritization within DPW's work plan (see Appendices C, D, and E). DPW and the City must comply with laws regarding the acquisition of property rights, historic preservation and environmental considerations, and physical constraints as well. The City intends to comply with ADA guidelines "to the maximum extent feasible" but at times it is technically infeasible to accomplish a fully compliant solution. Every effort will be made to remove all barriers and provide easy access to the facilities over which the City has control. In addition, attempts will be made to work with other public right of way owners and adjacent property owners to determine the best solution for each area.

Undue Burden Analysis

In making decisions program-wide in the transition plan, DPW may determine whether financial and administrative burdens are undue. A public agency must consider all of that public agency's resources available for use in the funding and operation of the service, program, or activity. (28 CFR Part 35, APP. A), an undue burden can also be a change which would result in a fundamental alteration in the nature of a program, service or activity.

Cost may be a factor in determining whether to undertake a stand-alone accessibility improvement identified in a transition plan. For example, if an existing highway, not scheduled for an alteration, is listed in the public agency's transition plan as needing curb cuts, the public agency may consider costs that are "unduly burdensome."

The test for being unduly burdensome is the proportion of the cost for accessibility improvements compared to the agency's overall budget, not simply the project cost. If it is determined that full ADA compliance is an Undue Financial Burden, then ADA compliance is met to the best of available options. A written statement of the reasons for reaching that conclusion must be documented. (28 CFR § 35.150(a)(3)). ADA regulations require documentation that is signed by the "head" of the agency, or his or her designee, whenever an undue burden is determined.

Technical Infeasibility

DPW recognizes that there will be instances when it will be technically infeasible for some pedestrian and/or public facilities to be constructed in full and strict compliance with the requirements of ADA Standards because of physical or site constraints. In such circumstances, DPW will provide accessibility to the maximum extent feasible. Before reaching a conclusion about technical infeasibility, DPW will consider the extent to which physical or site constraints can be addressed.

3. OFFICIAL(S) RESPONSIBLE

The ADA requires that an official be identified as responsible for the implementation of the Entity's plan.

It is the US DOJ's view that compliance with 28 CFR 35.150(a), like compliance with the corresponding provisions of the Section 504 regulations for public programs, would in most cases not result in undue financial and administrative burdens on a typical City. In determining undue financial and administrative burdens, all City resources available for use in the funding and operation of City services, programs and activities would need to be considered.

The burden of proving that compliance with paragraph (a) of 28 CFR 35.150 would either fundamentally alter the nature of a service, program, or activity OR would result in undue financial and administrative burdens rests with the City. The decision that compliance would result in such alteration and/or burden must be made by the head of the public entity or his or her designee and must be accompanied by a written statement of the reasons for reaching that conclusion.

While the US DOJ has acknowledged the difficulty/complexity of not only making such a determination, but also identifying the official responsible to make this decision/determination, the department's intention is clear in that the determination must be made by a high level official, no lower than a Department head, having budgetary authority and responsibility for making spending decisions.

The Official Responsible for the implementation should be able to seek/acquire funding for ADA barrier removal work over the City's Transition Planning period. As such, The City of Burlington will designate Laura K. Wheelock PE as the Official Responsible for the implementation of its ADA Transition Plan. In the City of Burlington, the barriers identified in the Public Rights-of-Way will all fall in the purview of this Public Works Engineer and/or her respective Directors – i.e. Community Development, Parks & Recreation, Public Works & Engineering, etc.

Typically, the responsibility of making any particular City program, service or activity accessible to all persons, regardless of ability, rests with the official who controls the operating funds for that particular program, service or activity. To this end, the task of seeking/getting approval for funds from the governing body to make the said program accessible lies with the official responsible for the program.

4. SELF-EVALUATION OF POLICIES, PROCEDURES, AND PRACTICES

In addition to identifying and modifying physical barriers, Title 28 CFR Part 35, *Non Discrimination on the Basis of Disability in State and Local Government Services*, requires that a public entity evaluate its policies, procedures and practices. The following outlines the City's self-evaluation:

- Evaluate City policies, procedures, and practices as they pertain to its programs, services and activities; and make the necessary modifications to those policies and practices that do not meet the programmatic requirements of Title II of the ADA.
- Provide an opportunity to interested persons, including individuals with disabilities or organizations representing individuals with disabilities, to participate in the self-evaluation process by submitting comments.
- Maintain, file and make available for public inspection a list of interested persons consulted, a description of areas examined and any problems identified, and a description of any modifications made.

It is recommended that the City periodically evaluate such policies, procedures and practices pertaining to communication, auxiliary aides and services, emergency response, publications, determination for undue burden, public activities, employment, and new construction of facilities, in addition to physical accessibility to City facilities.

One such evaluation was completed in July 2018. While there were no outstandingly contradictory policies found, the City wishes that all future policies remain in alignment with ADA standards. Therefore, the Burlington Advisory Committee on Accessibility (BACA) is assigned the responsibility of periodically reviewing City policies, practices, and procedures, and bringing proposals for changes before the City Council.

The most important recommendation from the July 2018 self-evaluation of policies and practices was that the City's website should have a shortcut to an ADA page containing links to relevant documents such as the Transition Plan and its amendments. This change should be prioritized after the completion and adoption of this Transition Plan, as a key part of the ADA is the Transition Plan's availability to the public.

It is also recommended that for program barrier mitigation, a detailed outline of administrative requirements and detailed requirements of needed policies be included. The policy outline would serve as a guideline upon which the City's future policies may be built. The task of creating such an outline is left to the BACA.

Finally, it is recommended that the City provide reasonable considerations for disabled persons on a case-by-case basis if no policy, procedure, or practice is readily defined or applicable in any situation. Examples of such considerations could be temporarily allowing service animals in public buildings where pets are prohibited, or relocating a meeting with a disabled community member to a fully accessible location.

5. ACCESS COMPLIANCE ASSESSMENTS OF FACILITIES

The Transition Plan is used to document the access barriers to the City's programs, services and activities. The documented access barriers identify existing building conditions that deviate from current State and Federal standards for new construction.

The City of Burlington conducted a self-evaluation of all of its owned and operated buildings in 2014, and is currently in the process of another assessment. While it is not the only object of inspection, the level of compliance with ADA standards is included in these Facility Condition Assessments and Energy Audits (FCAEA). An example FCAEA is provided in Appendix J. Information pertaining to self-evaluation of ADA accessibility can be found in section 3.2 of this appendix.

Please note that the City of Burlington is currently in the process of its Self-Evaluation of City Facilities and will seek to complete this work as soon as possible.

6. ACCESS COMPLIANCE ASSESSMENTS OF THE PUBLIC RIGHT-OF-WAY

In the public rights-of-way (PROW), where the City has either sole or shared responsibility and authority over streets, roads and walkways, the ADA Transition Plan references the Public Works and Engineering schedule for providing curb ramps or mitigating barriers in pedestrian sidewalks, giving priority to pedestrian routes serving public entities, including State and local government offices and facilities, transportation, places of public accommodation, and employers, followed by walkways serving other areas. Based on these prioritization criteria and in conjunction with City staff, 723 intersections and 130 miles of sidewalks along major streets serving City programs, services and activities was selected for inclusion in this plan.

Intersections were assessed using a data collection checklist, based on ADA and DOT requirements as well as PROWAG recommendations. Traditional measuring and smart-level equipment were used to collect measurements for the assessments specific to curb ramps and pedestrian push buttons.

Sidewalks were assessed using sidewalk profilers that were developed for the Federal Highway Administration (FHWA) and adapted for sidewalk ADA assessments. The device captures information on slopes, and surface variations and identifies deviations from the required ADA standards and other applicable requirement codes.

All data and information obtained from these access compliance assessments have been compiled into a Geographic Information System (GIS) database to be stored and maintained by the City.

Prioritization Criteria for Barrier Mitigation – Public Right-of-Way

The relative importance of each barrier, according to its impact upon the disabled population was taken into account when developing the prioritization criteria for barrier mitigation. It is important to focus first on removal of barriers which will provide the greatest impact to accessibility improvements.

Prioritization Criteria According to Barrier Location:

Since persons with disabilities utilize certain facilities with greater frequency than others, the impact of barriers identified at facilities with higher frequency of use was deemed to be greater and is signified by a higher “Activity Score” in a given area, based on location. The following criteria were used to determine the Activity Score for various barriers:

Table 1: Criteria According to Barrier Location

CRITERIA LAYER	SUB CATERGORY	WEIGHT	CATEGORY	VALUE	ADJUSTED SCORE
STREETS	ARTERIAL	10	ADJACENT ARTERIAL STREET	100%	10
	COLLECTOR		ADJACENT COLLECTOR STREET	50%	5
	LOCAL		ADJACENT LOCAL STREET	25%	2.5

CRITERIA LAYER	SUB CATERGORY	WEIGHT	CATEGORY	VALUE	ADUSTED SCORE
TRANSIT STOPS		5	WITHIN 1/4 MILE OF TRANSIT STOP	100%	5
SCHOOLS	ELEMENTARY SCHOOL	12	WITHIN 1/4 MILE OF ELEMENTARY SCHOOL	100%	12
	MIDDLE OR HIGH SCHOOL		WITHIN 1/2 MILE OF MIDDLE OR HIGH SCHOOL	67%	8
	COLLEGE		WITHIN 1 MILE OF COLLEGE	42%	5
PARKS/PATH	LARGE	10	WITHIN 1/2 MILE OF PARK	100%	10
	MEDIUM		WITHIN 1/2 MILE OF PARK	50%	5
	SMALL		WITHIN 1/4 MILE OF PARK	50%	5
CITY ATTRACTORS	DOWNTOWN DESIGNATION	12	WITHIN 1/4 MILE OF DOWNTOWN AREA	100%	12
	NEIGHBORHOOD ACTIVITY CENTER		WITHIN 1/4 MILE OF NEIGHBORHOOD ACTIVITY CENTER	67%	8
PEDESTRIAN GENERATORS	SENIOR CENTER	12	WITHIN 1/4 MILE OF SENIOR CENTER	100%	12
	COMMUNITY CENTER		WITHIN 1/4 MILE OF COMMUNITY CENTER	67%	8
	EMPLOYMENT CENTER		WITHIN 1/2 MILE OF LARGE EMPLOYER	42%	5
	MEDICAL OR SOCIAL SERVICES		WITHIN 1/4 MILE OF MEDICAL OR SOCIAL SERVICES	100%	12
POPULATION DENSITY		12	CATEGORIES LOOSELY BASED ON "NATURAL BREAKS" CLASSIFICATIONS	0%	0
				30%	4
				60%	7
				100%	12
ELDERLY POPULATION DENSITY		12	CATEGORIES LOOSELY BASED ON "NATURAL BREAKS" CLASSIFICATIONS	0%	0
				30%	4
				60%	7
				100%	12

Prioritization Criteria According to Barrier Severity:

Upon completion of the access compliance assessments in the PROW, various criteria and weights were used to determine prioritization of barrier mitigation based solely on the severity of each barrier, or the degree to which the barrier is out of compliance with the ADA. The criteria and weight system for each type of barrier affecting City sidewalks, curb ramps, and pedestrian push buttons determine a "Barrier Score" for each specific barrier. The following criteria were used to determine the Barrier Score for each type of barrier:

Table 2: Criteria for Sidewalks

BARRIER TYPE	WEIGHT	QUANTITY	VALUE	SCORE
--------------	--------	----------	-------	-------

Minor Heaving	10	1-2 incidents	30%	3
		3-5 incidents	60%	6
		6 + incidents	100%	10
Major Heaving	20	1-2 incidents	30%	6
		3-5 incidents	60%	12
		6 + incidents	100%	20
Cross Slope Low	5	10' or less	50%	2.5
		> 10'	100%	5
Cross Slope Medium	10	10' or less	50%	5
		> 10'	100%	10
Cross Slope High	15	10' or less	50%	7.5
		> 10'	100%	15
Running Slope Low	2.5	10' or less	50%	1.25
		> 10'	100%	2.5
Running Slope Medium	5	10' or less	50%	2.5
		> 10'	100%	5
Running Slope High	7.5	10' or less	50%	3.75
		> 10'	100%	7.5
Puddling	25	1 incident	50%	12.5
		3+ incidents	100%	25

Table 3: Criteria for Curb Ramps – Perpendicular

BARRIER TYPE	WEIGHT	CATEGORY	VALUE	SCORE
Width of Ramp	7	≤ 21.9"	100%	7
		22" - 25.9"	75%	5.25
		26.0" - 31.9"	50%	3.5
		32.0" - 35.9"	25%	1.75
		≥ 36"	0%	0
Alignment with Marked Crosswalk	5	No	100%	5
		< 48"	60%	3
		Yes	0%	0
Slope of Ramp	10	≥ 15%	100%	10
		12.5% - 14.9%	75%	7.5
		10.0% - 12.4%	50%	5
		8.4% - 9.9%	25%	2.5
		≤ 8.3%	0%	0
Cross Slope of Ramp	5	≥ 7.0%	100%	5
		5.0% - 6.9%	75%	3.75
		2.9% - 4.9%	50%	2.5
		2.1% - 2.8%	25%	1.25
		≤ 2.0%	0%	0
Top Landing Running Slope	5	≥ 9.0%	100%	5
		5.0% - 8.9%	75%	3.75
		2.9% - 4.9%	50%	2.5
		2.1% - 2.8%	25%	1.25
		≤ 2.0%	0%	0
Top Landing Cross Slope	5	≥ 9.0%	100%	5

BARRIER TYPE	WEIGHT	CATEGORY	VALUE	SCORE
		5.0% - 8.9%	75%	3.75
		2.9% - 4.9%	50%	2.5
		2.1% - 2.8%	25%	1.25
		≤ 2.0%	0%	0
Flare (Right)	2.5	≥ 14%	100%	2.5
		12.1% - 13.9%	60%	1.5
		10.1% - 12%	40%	1
		≤ 10.0%	0%	0
Flare (Left)	2.5	≥ 14%	100%	2.5
		12.1% - 13.9%	60%	1.5
		10.1% - 12%	40%	1
		≤ 10.0%	0%	0
Top landing Length	8	≤ 32.9"	100%	8
		33.0" - 35.9"	75%	6
		36.0" - 41.9"	50%	4
		42.0" - 47.9"	25%	2
		≥ 48"	0%	0
Truncated Domes	8	No	100%	8
		Not Entire Width	60%	4.8
		Not Contrasting	40%	3.2
		Yes	0%	0
Gutter Lip	20	≥ 1"	100%	20
		0.75" - .99"	75%	15
		0.5" - .74"	50%	10
		0.1" - 0.49"	25%	5
		Flush	0%	0
Cross Slope of Gutter	5	≥ 9.0%	100%	5
		5.0% - 8.9%	75%	3.75
		2.9% - 4.9%	50%	2.5
		2.1% - 2.8%	25%	1.25
		≤ 2.0%	0%	0
Gutter Slope	10	≥ 9.0%	100%	10
		6.7% - 8.9%	75%	7.5
		5.4% - 6.6%	50%	5
		5.1% - 5.3%	25%	2.5
		≤ 5.0%	0%	0
Domes Setback	3	< 6" or > 8"	100%	3
		6" - 8"	0%	0
Ramp Length	4	≤ 32.9"	100%	4
		33" - 47.9"	50%	2

BARRIER TYPE	WEIGHT	CATEGORY	VALUE	SCORE
		≥ 48"	0%	0

Table 4: Criteria for Curb Ramps – Parallel

BARRIER TYPE	WEIGHT	CATEGORY	VALUE	SCORE
Width of Ramp (Right)	3	≤ 21.9"	100%	3
		22" - 25.9"	75%	2.25
		26.0" - 31.9"	50%	1.5
		32.0" - 35.9"	25%	0.75
		≥ 36"	0%	0
Width of Ramp (Left)	3	≤ 21.9"	100%	3
		22" - 25.9"	75%	2.25
		26.0" - 31.9"	50%	1.5
		32.0" - 35.9"	25%	0.75
		≥ 36"	0%	0
Alignment with Marked Crosswalk	2.5	No	100%	2.5
		< 48"	60%	1.5
		Yes	0%	0
Slope of Ramp (Right)	10	≥ 15%	100%	10
		12.5% - 14.9%	75%	7.5
		10.0% - 12.4%	50%	5
		8.4% - 9.9%	25%	2.5
		≤ 8.3%	0%	0
Slope of Ramp (Left)	10	≥ 15%	100%	10
		12.5% - 14.9%	75%	7.5
		10.0% - 12.4%	50%	5
		8.4% - 9.9%	25%	2.5
		≤ 8.3%	0%	0
Cross Slope of Ramp (Right)	5	≥ 5.0%	100%	5
		2.9% - 4.9%	60%	3
		2.1% - 2.8%	30%	1.5
		≤ 2.0%	0%	0
Cross Slope of Ramp (Left)	5	≥ 5.0%	100%	5
		2.9% - 4.9%	60%	3
		2.1% - 2.8%	30%	1.5
		≤ 2.0%	0%	0
Top Landing Running Slope (Right)	1	≥ 9.0%	100%	1
		5.0% - 8.9%	75%	0.75
		2.9% - 4.9%	50%	0.5
		2.1% - 2.8%	25%	0.25
		≤ 2.0%	0%	0

BARRIER TYPE	WEIGHT	CATEGORY	VALUE	SCORE
Top Landing Running Slope (Left)	1	≥ 9.0%	100%	1
		5.0% - 8.9%	75%	0.75
		2.9% - 4.9%	50%	0.5
		2.1% - 2.8%	25%	0.25
		≤ 2.0%	0%	0
Top Landing Cross Slope (Right)	2.5	≥ 5.0%	100%	2.5
		2.9% - 4.9%	60%	1.5
		2.1% - 2.8%	30%	0.75
		≤ 2.0%	0%	0
Top Landing Cross Slope (Left)	2.5	≥ 5.0%	100%	2.5
		2.9% - 4.9%	60%	1.5
		2.1% - 2.8%	30%	0.75
		≤ 2.0%	0%	0
Top landing Length (Right)	1	≤ 32.9"	100%	1
		33" - 47.9"	50%	0.5
		≥ 48"	0%	0
Top landing Length (Left)	1	≤ 32.9"	100%	1
		33" - 47.9"	50%	0.5
		≥ 48"	0%	0
Truncated Domes	8	No	100%	8
		Not Entire Width	60%	4.8
		Not Contrasting	40%	3.2
		Yes	0%	0
Gutter Lip	15	≥ 1"	100%	15
		0.75" - .99"	75%	11.25
		0.5" - .74"	50%	7.5
		0" - 0.49"	25%	3.75
		Flush	0%	0
Cross Slope of Gutter	5	≥ 9.0%	100%	5
		5.0% - 8.9%	75%	3.75
		2.9% - 4.9%	50%	2.5
		2.1% - 2.8%	25%	1.25
		≤ 2.0%	0%	0
Gutter Slope	10	≥ 9.0%	100%	10
		6.7% - 8.9%	75%	7.5
		5.4% - 6.6%	50%	5
		5.1% - 5.3%	25%	2.5
		≤ 5.0%	0%	0
Domes Setback	1	< 12"	100%	1
		≥ 12"	0%	0

BARRIER TYPE	WEIGHT	CATEGORY	VALUE	SCORE
Bottom Landing Cross Slope	2.5	>9.0%	100%	2.5
		5.0% - 8.9%	75%	1.875
		2.9% - 4.9%	50%	1.25
		2.1% - 2.8%	25%	0.625
		≤ 2.0%	0%	0
Bottom Landing Slope	2.5	≥ 9.0%	100%	2.5
		5.0% - 8.9%	75%	1.875
		2.9% - 4.9%	50%	1.25
		2.1% - 2.8%	25%	0.625
Bottom Landing Length	2.5	≤ 36"	100%	5
		35.9" - 47.9"	50%	2.5
		>48"	0%	0
Ramp Length (Right)	3	≤ 32.9"	100%	3
		33" - 47.9"	50%	1.5
		≥ 48"	0%	0
Ramp Length (Left)	3	≤ 32.9"	100%	3
		33" - 47.9"	50%	1.5
		≥ 48"	0%	0

Table 5: Criteria for Pedestrian Push Buttons

BARRIER TYPE	WEIGHT	CATEGORY	VALUE	SCORE
Clear Floor Slope	6.5	≤ 2.0%	0%	0
		2.1% - 3.9%	25%	1.625
		4.0% - 6.9%	50%	3.25
		7.0% - 9.9%	75%	4.875
		≥ 10.0%	100%	6.5
Clear Floor Cross Slope	6.5	≤ 2.0%	0%	0
		2.1% - 3.9%	25%	1.625
		4.0% - 6.9%	50%	3.25
		7.0% - 9.9%	75%	4.875
		≥ 10.0%	100%	6.5
Button Height	6.5	> 58.1"	100%	6.5
		< 41.99"	50%	3.25
		48.1" - 58"	50%	3.25
		42" - 48"	0%	0
Button Reach	6.5	>25.01"	100%	6.5
		20.01" - 25"	75%	4.875
		15.01" - 20"	50%	3.25
		10.01" - 15"	25%	1.625
		< 10"	0%	0

BARRIER TYPE	WEIGHT	CATEGORY	VALUE	SCORE
Button Pressure	6.5	≥ 10 lbs	100%	6.5
		6 lbs - 9 lbs	50%	3.25
		≤ 5 lbs	0%	0
Button Diameter	6.5	≤ 0.5"	100%	6.5
		1.9" - 0.6"	50%	3.25
		≥ 2"	0%	0
Accessible Path	6.5	No	100%	6.5
		Yes	0%	0
Clear Floor Space	9	No	100%	9
		Yes	0%	0
Closed Fist Operation	6.5	No	100%	6.5
		Yes	0%	0
Visual Contrast	6.5	No	100%	6.5
		Yes	0%	0
Vibrotactile	6.5	No	100%	6.5
		Yes	0%	0
Audible Walk Indicator	6.5	No	100%	6.5
		Speech	50%	3.25
		Chirp	50%	3.25
		Audible Tone	0%	0
Button Locator Tone	6.5	No	100%	6.5
		Yes	0%	0
Directional Info	6.5	No	100%	6.5
		Not Tactile	50%	3.25
		Yes	0%	0
Distance	6.5	> 1.5' fom curbline & > 6' from crosswalk	100%	6.5
		< 1.5' fom curbline & < 6' from crosswalk	0%	0

Priority Score

The priority score is the final score that determines the order in which barriers are to be mitigated to have the most effective impact on accessibility improvements. This score combines the barrier and activity score to provide an objective idea of how important replacing each segment is. Higher scores mean segments in greater need of repair, lower scores mean less need of repair. The equation for the priority score is as follows:

a = Activity Score

b = Barrier Score

p = Priority Score

$$\begin{array}{ll} \text{If } a \leq 2b; & p = b + a \\ \text{If } a > 2b; & p = b + 2b \end{array}$$

These criteria were used to inform decisions made in the creation of the City of Burlington Sidewalk Management Program (SMP), found in Appendix A. This program, adopted in 2016, focuses on eliminating all safety hazards present in the City's sidewalks and 'ensuring that sidewalks within the right of way meet ADA standards and PROWAG guidelines.' The budget and schedule for the improvements arranged from the SMP can be found in Appendix C.

The data on curb ramps and pedestrian push buttons was used to create the documents which make up Appendices D and E, respectively. These documents provide both schedule and budget information similarly to Appendix C. They also identify steps taken during each year of the transition period (five years) that are necessary to achieve compliance with the ADA, thus satisfying one requirement of the ADA Transition Plan.

The data from the compliance assessments performed by DPW can be found in Appendix H. The raw data in this document includes detailed information on the activity score, barrier score, and combined priority score of each sidewalk segment, as well as sidewalk width and other miscellaneous notes. For the sake of simplicity, a summary table was created providing only sidewalk location, priority score, and priority level, which was determined by dividing the sidewalk segments into four categories: priority scores under 40 were labeled Low; priority scores from 40 to 63.5, Medium-Low; scores of 63.5 to 84, Medium-High; and scores of 84 or above, High. This database provides cost estimations for mitigation solutions, sets priorities for barrier elimination, and provides a schedule for barrier removal and mitigation.

7. PUBLIC INPUT

A public meeting was held on July 18th, 2018 by the DPW Commission to take into account the opinions and suggestions of the residents of the City, including those with disabilities, and to open the City's Draft ADA Transition Plan to comments for a period of two weeks. A record of comments received can be found in Appendix G.

Date: July 18th, 2018

Location:

Attendees

-

Input Received

THIS PAGE TO BE FILLED AFTER COMMISSION MEETING

8. TRANSITION PLAN IMPLEMENTATION

This document should be maintained and updated for the duration of the Transition Planning period and a copy of the Transition Plan shall be made available for public inspection.

The final product is a working GIS database of the City's sidewalk network within its PROW, as well as additionally including the City's curb ramp and pedestrian push button network. This product is to be a living document, to be modified and updated as barriers are removed or alterations are made. This final product will be maintained primarily through the City's Sidewalk Repair Program as detailed in Appendix A. A visual summary of the database is presented in Appendix F, and the database in its entirety is contained in Appendix H.

The City's Sidewalk Management Program satisfies one of the requirements of an ADA Transition Plan, as the program will determine a predictive work plan for the planning of long term barrier mitigation work within the PROW. The protocol for properly tracking and updating the GIS database for planned and completed barrier mitigations is detailed in Appendix B.

As a part of this process, technical infeasibility, if any, to meet necessary accessibility compliance will be documented and filed for the City's records by the Engineer-of-Record on the said project. It is also recommended to provide accessibility site audits (inspections) of on-going projects as part of the project close-out/certification. This documentation and verification of barrier-mitigation will be integrated into the City's ADA Transition Plan on a regular basis to ensure that barriers are "checked-off" and the Plan is current with a record of barrier-mitigation work.

The City will also dedicate a budget to "general ADA upgrades" per year. This budget will be used to plan mitigation of those barriers identified in the Plan that are not part of any CIP project or Bond program. This budget will be in addition to and separate from funds required for any ADA improvements and upgrades triggered on account of CIP projects and Bond Programs already within the City's pipelines. The scope of work and budget for all such CIP and bond projects must incorporate the improvements triggered by applicable Federal, State and local accessibility regulations and codes.

For the purposes of setting an initial planning budget for this document, the City has dedicated a \$600,000 budget (subject to future change) toward general ADA upgrades and identified several CIP projects and Bond Programs already within its pipelines. With this information, an initial budget allocation plan has been projected for the next five fiscal years, which is documented in the GIS database, using the protocol described in Appendix B, as well as summarized for each type of barrier in Appendices C, D, and E.

Maintenance of Accessible Features

The Maintenance of accessible features is mandated by State and Federal Regulations and is an integral part of the City's plan to transition into a more accessible destination. Chapter 28 Code of Federal Regulation, Part 35, Section 35.133 states:

1. A public accommodation shall maintain in operable working condition those features of facilities and equipment that are required to be accessible to and usable by persons with disabilities.
2. This section does not prohibit isolated or temporary interruptions in service or access due to maintenance or repairs.

Both these sections provide that a public entity shall maintain in operable working condition those features of facilities and equipment that are required to be accessible to and usable by persons with disabilities. They require that, to the maximum extent feasible, facilities must be accessible to, and usable by, individuals with disabilities. These sections recognize that it is not sufficient to provide features such as accessible routes, ramps, or elevators, if those features are not maintained in a manner that enables individuals with disabilities to use them. Inoperable elevators are neither "accessible to" nor "usable by" individuals with disabilities.

It is, of course, impossible to guarantee that mechanical devices will never fail to operate. As such, the second paragraph provides that this section does not prohibit isolated or temporary interruptions in service or access due to maintenance or repairs. This paragraph is intended to clarify that temporary obstructions or isolated instances of mechanical failure would not be considered violations of the ADA or this part. However, allowing obstructions or "out of service" equipment to persist beyond a reasonable period of time would violate this part, as would repeated mechanical failures due to improper or inadequate maintenance. Failure of the public entity to arrange prompt repair of inoperable elevators or other equipment intended to provide access would also violate this part.

A City-wide formal policy specifically addressing the legal requirements (28CFR Part 35.133) of maintaining accessible features would be of long-term benefit to the City. When, over time, an accessible feature fails, institutionalizing organizational commitments towards protocols and maintenance ensures an appropriate action is taken.

9. GRIEVANCE PROCEDURE

The City of Burlington, and DPW have adopted the following grievance procedure to meet the requirements of Title II of the ADA and to provide prompt and equitable resolution of complaints alleging any action prohibited by the ADA. This grievance procedure may be used by anyone who wishes to file a complaint alleging discrimination on the basis of disability in the provision of services, activities, programs, or benefits by Seattle Parks and Recreation or a complaint alleging retaliation prohibited by the ADA. The City prohibits retaliation against persons who engage in activities protected by the ADA, including retaliation based on a person having filed a complaint or participated in an investigation provided for by this procedure.

Complaints should be addressed to the DPW ADA Coordinator:

Laura K. Wheelock P.E.
Burlington Department of Public Works
645 Pine St, Burlington, VT 05401
(802) 540-0397 LWheelock@burlingtonvt.gov

1. A complaint should be submitted in writing or verbally as soon as possible but no later than 60 calendar days after the alleged discrimination. It should contain the name, address, and phone number of the complainant and briefly provide the location, date, and description of the alleged discrimination. The complaint can be submitted by the person with a disability or his/her representative. Upon request, alternative means of filing complaints will be made available for persons with disabilities.
2. Following the filing of the complaint, a thorough investigation will be conducted by the ADA coordinator or another impartial employee. Affected or interested individuals and their representatives may submit evidence relevant to the complaint. Additional information may be requested from the complainant.
3. A written¹ determination of the validity of the complaint and description of the remedial and corrective actions, if any, will be issued by the ADA coordinator or other impartial employee and sent to the complainant no later than 45 calendar days after receipt of the complaint.
4. The right of a person to a prompt and equitable resolution of a complaint will not be impaired by the individual's pursuit of other remedies, such as the filing of a formal complaint with another agency.
5. All written complaints received by the ADA Coordinator, appeals to DPW, and responses from these two offices will be retained by the City for at least six years.

¹ And when appropriate, in another format accessible to the complainant.

10. CONCLUSION

The City of Burlington's Department of Public Works is committed to ensuring that our system is accessible to those with disabilities. We have a long history of providing for the needs of all modes of travel in the planning, programming, design, rehabilitation, maintenance, and construction of the City's transportation system. In partnership with municipalities, Metropolitan Planning Organizations, Regional Planning Commissions, Federal Highway Administration and other federal agencies, stakeholders, and the public, particularly those with disabilities, DPW will continue to develop and implement a safe, comprehensive transportation system that balances the needs of all users.

11. ADA/SECTION 504 DEFINITIONS

List of Acronyms

ADAAG: Americans with Disabilities Act Accessibility Guidelines

ADA: Americans with Disabilities Act of 1990

FHWA: Federal Highway Administration

GIS: Geographic Information System

MATS: Managed Assets on Transportation Systems

MPO: Municipal Planning Organization

PROWAG: 2011 Proposed Accessibility Guidelines for pedestrian Facilities in the Public Right of Way

RPC: Regional Planning Commission

RELAY 711: Telecommunications Relay Service

STIP: Statewide Transportation Improvement Program

Title VI: Title VI of the Civil Rights Act of 1964

Glossary of ADA Terms

Accessible: A facility that provides access to people with disabilities using the design requirements of the 2010 Standards. (PROWAG R106.5)

Accessible Pedestrian Signal (APS): A device that communicates information about the WALK phase in audible and vibrotactile formats. (PROWAG R105.5)

Alteration: A change to a facility in the public right of way that affects or could affect access, circulation or use of the facility. An alteration must not decrease or have the effect of decreasing the accessibility of a facility or an accessible connection to an adjacent building or site.

Americans with Disabilities Act (ADA): The Americans with Disabilities Act of 1990, as amended sets design guidelines for accessibility to public facilities, including sidewalks and trails by individuals with disabilities.

Americans with Disabilities Act Accessibility Guidelines (ADAAG): The ADAAG contains scoping and technical requirements for accessibility to buildings and public facilities by individuals with disabilities under the ADA.

Blended Curb or Transition: A curb ramp shallower than 1:20 (5%), where the sidewalk is blended into or is flush with the street.

Circulation Path: An exterior or interior way of passage provided for pedestrian travel including, walks, hallways, courtyards, elevators, platform lifts, ramps, stairways and landings.

Cross Slope: The slope that is perpendicular to the direction of accessible pedestrian travel. (PROWAG R105.5)

Crosswalk: The part of a roadway at an intersection that is included within the extensions of the lateral lines of the sidewalks on opposite sides of the roadway, measured from the curb line or, in the absence of curbs, from the edges of the roadway or, in the absence of a sidewalk on one side of the roadway, the part of the roadway included within the extension of the lateral lines of the sidewalk at right angles to the centerline.

Curb Line: A line at the face of the curb that marks the transition from the roadway to a sidewalk or planting strip between the sidewalk and the gutter or roadway.

Curb Ramp: A short ramp cutting through a curb or built up to it. (PROWAG R106.5)

Detectable Warning: A surface feature built in or applied to walking surfaces or other elements to advise of an upcoming change from a pedestrian to a vehicular way. (PROWAG R405.5)

Element: An architectural or mechanical component of a facility, space, site or public right of way.

Entrance: Any access point to a building or facility used for entering. Includes entry door or gate and hardware. (PROWAG R106.5)

Facility: All or any portion of structures, improvements, elements and pedestrian or vehicular routes located on a site or a public right-of-way.

Flush Transition: See Blended Transition

Grade Break: The meeting line of two adjacent surfaces of different slope (grade).

Island: Curbed or painted area outside the vehicular path that is provided to separate and direct traffic movement, which also may serve as a refuge for pedestrians.

Marked Crosswalk: Any portion of a roadway at an intersection or elsewhere that is distinctly indicated for pedestrian crossing by lines or other markings on the surface.

Mid-Block Crossing: A marked pedestrian crossing on a street that is located between or away from intersections.

Parallel Curb Ramp: A system of two sloped ramps that run parallel to the curb line from a common lower landing that is approximately level with the street.

Pedestrian Access Route: A continuous and unobstructed walkway within a pedestrian circulation path that provides accessibility. (PROWAG R105.5)

Perpendicular Curb Ramp: A curb ramp with a main slope running perpendicular to the curb line and with one or more flared side slopes.

Projects: Any construction or maintenance project that disturbs the pavement by at least $\frac{3}{4}$ of an inch.

Public Right of Way: Land or property owned by a public entity and usually acquired for or devoted to transportation or pedestrian purposes.

Public Use: Interior or exterior, rooms, space or elements that are made available to the public.

Ramp: A walking surface that has a running slope steeper than 5%.

Right of Way: Denotes land, property or interest therein, usually in a strip, acquired for or devoted to transportation purposes.

Running Slope: The slope that is parallel to the direction of travel expressed as a ratio of rise to run in the public right of way. This is usually called grade and is expressed as a percentage.

Section 504: Section 504 of the Rehabilitation Act of 1973, which prohibits discrimination in any program or activity receiving federal financial assistance.

Sidewalk: That portion of a public right of way between the curb line or lateral line of a roadway and the adjacent property line that is improved for use by pedestrians.

Street Furniture: Elements in the public right-of-way intended for use by pedestrians.

Technically Infeasible: An alteration that has little likelihood of being accessible because of site constraints which prohibit modification or addition of elements, spaces or features that are in full strict compliance with the minimum requirements of the 2010 ADA Standards.

Transition Plan: The City's transportation system plan that identifies accessibility needs, and identifies the process to integrate accessibility improvements, and ensures all transportation facilities, services, programs and activities are accessible to all individuals.

Urban Compact Area: Urban Compact Municipalities are those in which the population according to the last United States census exceeds 7,500 inhabitants, or is less than 7,500 inhabitants but more than 2,499 inhabitants, and in which the ratio of people whose place of employment is in a given municipality to employed people residing in that same municipality is 1.0 or greater, and when the municipality has not exercised the opt-out provision of this section.

Vibrotactile: A vibrating surface, located on the accessible pedestrian signal button that communicates information through touch. (PROWAG R105.5)

II. APPENDICES

- Appendix A: Sidewalk Management Program
- Appendix B: GIS Tracking Protocol
- Appendix C: Sidewalks / Routes Budget Allocation
- Appendix D: Curb Ramps Budget Allocation
- Appendix E: Pedestrian Pushbuttons Budget Allocation
- Appendix F: Map of Burlington Sidewalks by Prioritization Criteria
- Appendix G: Record of Interested Persons and Comments
- Appendix H: Sidewalk Priority Score and Database
- Appendix J: Example Facility Assessment: Fire Station #5

Burlington Department of Public Works Commission Meeting
Draft Minutes, 20 June 2018
645 Pine Street

Commissioners Present: Robert Alberry; Tiki Archambeau (Chair); Chris Gillman (Clerk); Solveig Overby; Jeff Padgett (*via phone at 6:59pm*). **Commissioners Absent:** Jim Barr; Justine Sears (Vice Chair).

Item 1 – Call to Order – Welcome – Chair Comments

Chair Archambeau calls meeting to order at 6:35pm and makes opening comments.

Item 2 – Agenda

Commissioner Overby requests pulling Consent Agenda Item B, reassigning as Agenda Item 4.1; Commissioner Alberry requests pulling Consent Agenda Item C, reassigning as Agenda Item 4.2; Chair Archambeau requests changing Agenda Item 8 from a “voting” item to an information only item. Commissioner Alberry makes motion to approve altered Consent Agenda and is seconded by Clerk Gillman.

Action taken: motion approved;
“Ayes” are unanimous.

Item 3 – Public Forum (3 minute per person time limit)

No public comment.

Item 4 – Consent Agenda

- A. Traffic Status Report
- D. Removal of an Accessible Space on Summer St

Clerk Gillman makes motion to approve altered Consent Agenda and is seconded by Commissioner Alberry.

Action taken: motion approved.
“Ayes” are unanimous.

Item 4.1 – Electric Vehicle Charging Station Main St.

- A) Presentation/Communication – None.
- B) Commission Questions
- C) Public Comment
- D) Commissioner Discussion

Clerk Gillman and Commissioners Alberry and Overby all speak on the lineup of Main St parking spaces; Engineering Technician Phillip Peterson and BED Director of Energy Services Chris Burns respond.

E) Motion made by Commissioner Overby to accept staff’s recommendation with the following proposed revisions: (7) No parking areas. No person shall park any vehicle at any time in the following locations: (390) On the south side of Main Street in the second and third spaces east of Church Street is reserved for use by electric vehicles only. (26) Motorcycle parking. The following locations are designated for the parking of motorcycles only: (8) On the south side of Main Street in the first space east of Church Street.

Seconded by Clerk Gillman.

Discussion

Action taken: motion approved;
“Ayes” are unanimous.

Item 4.2 – Proposed Changes to Accessible Parking in the Downtown Core

A) Presentation/Communication – None.

B) Commission Questions

Commissioner Alberry speaks on proposed changes to a revenue parking space with DPW Director Chapin Spencer answering.

C) Public Comment

D) Commissioner Discussion

E) Motion made by Clerk Gillman to accept staff's recommendation with the following proposed revisions: 7 No-parking areas. No person shall park any vehicle at any time in the following locations: (495) On the south side of College Street in the second space west of Church Street, except for police vehicles Monday through Friday 8am-5pm. 7A Accessible spaces designated. No person shall park any vehicle at any time in the flowing locations, except automobiles displaying special handicapped license plates issued pursuant to 18 V.S.A. § 1325, o any amendment or renumbering thereof: (3) The third space west of Church Street on the south side of College Street. (42) On the east side of Pine Street, in the first space north of College Street. (44) On the north side of Cherry Street in the first space east of St. Paul Street (van accessible). (82) On the south side of Main Street in the second space west of Church Street. (100) On the south side of Bank Street in the first space east of Church Street. (167) On the north side of Cherry Street in the sixth space east of St. Paul Street.

Seconded by Commissioner Alberry.

Discussion

Action taken: motion approved;

"Ayes" are unanimous.

Item 5 – Mid-block Crossing Design

A) Communication by Technician Peterson who speaks on mid-block crossing design in conjunction with the Manual on Uniform Traffic Control Devices (MUTCD).

B) Commission Questions

Chair Archambeau and Clerk Gillman both speak on crossing queue times; Commissioner Overby speaks on Church St & Pearl St crossing, costs, and continued monitoring by staff; Director Spencer and Technician Peterson respond.

Commissioner Padgett phones in

C) Public Comment

D) Commissioner Discussion

E) Motion made by Clerk Gillman to accept staff's recommendation: removal of 2 Traffic-control light locations. (a) Traffic-control light signals are hereby established at the following locations: (67) North Champlain Street at Lawrence Barnes School driveway. (71) 230 St. Paul Street.

Seconded by Commissioner Alberry.

Discussion

Action taken: motion approved;

"Ayes" are unanimous.

Item 6 – VTrans Bike Ped Grant

- 1. Scoping for Intersection Improvements at Colchester/East Ave and a Protected Bike Lane on Colchester Ave.**
- 2. Small Construction for a Raised Intersection at North Ave/Berry St/Washington St**
- 3. Additional Funding for the Colchester Ave Side Path**

A) Communication by Senior Transportation Planner Nicole Losch who speaks on the annual funding offered by the Vermont Agency of Transportation through the Bicycle and Pedestrian Program.

B) Commission Questions

Chair Archambeau speaks on Colchester Ave Protected Bike Lane and Side Path and plowing raised intersections; Commissioner Alberry speaks on proposed North Ave Raised Intersection; Commissioner Overby speaks on competitive nature of grant program; Director Spencer and Planner Losch respond.

C) Public Comment

D) Commissioner Discussion

E) Action Requested – None.

Item 7 – Proposed Parking Agreement for 194 St. Paul St

A) Communication by Director Spencer and Assistant Director – Parking & Traffic Patrick Mulligan who speak on parking agreement to go before City Council.

B) Commission Questions

Chair Archambeau speaks on July 3rd parking availability, enforcement standards, and parking rates; Commissioner Alberry speaks on date for building completion; Commissioner Overby speaks on city maintenance responsibility, gross revenue splitting, EV charging stations, and trash/recycle requirements; Director Spencer and Assistant Director Mulligan answer.

C) Public Comment

D) Commissioner Discussion

E) Action Requested – None.

Item 8 – Annual Report to Council (Supplements to follow prior to meeting)

A) Communication by Chair Archambeau and Director Spencer who speak on the Commission's annual report to the City Council.

B) Commission Questions

Commissioner Overby speaks on Commission's value; Commissioner Padgett speaks on policy governance approach; Chair Archambeau responds.

C) Public Comment

D) Commissioner Discussion

E) Action Requested – None.

Item 9 – Draft FY'19 Key Initiatives

A) Communication by Director Spencer who speaks on department's key initiatives for Fiscal Year 2019.

B) Commission Questions

Chair Archambeau speaks on impacts on the city's recycling program; Commissioner Overby speaks on the use of Key Initiatives in day-to-day work and listed metrics; Commissioner Padgett speaks on the comprehensive list of tasks and goals; Director Spencer responds.

C) Public Comment

D) Commissioner Discussion

E) Motion made by Commissioner Alberry to accept staff's recommendation: supporting departmental FY'19 Key Initiatives.

Seconded by Clerk Gillman.

Discussion

Action taken: motion approved;

"Ayes" are unanimous.

Item 10 – Approval of Draft Minutes of 4-18-18 & 5-16-18

Commission Alberry makes motion to accept draft minutes of 4-18-18 and is seconded by Commissioner Overby.

Action take: motion approved;
Commissioner Alberry: Aye
Chair Archambeau: Aye
Clerk Gillman: *abstains*
Commissioner Overby: Aye
Commissioner Padgett: Aye

Clerk Gillman makes motion to accept draft minutes of 5-16-18 and is seconded by Commissioner Alberry.

Action take: motion approved;
“Ayes” are unanimous.

Item 11 – Director’s Report

Director Spencer reports on Commissioner Padgett’s impending departure from the Commission; the Champlain Parkway Right-of-Way process moving forward; the recent Railyard Enterprise Project Steering Committee meeting; the City Council approval of FY’19 budget approval continuing heightened capital reinvestments into city systems; the City’s overall water quality efforts and the recent wastewater releases. Chair Archambeau and Commissioners Overby and Padgett all speak on the overflow report; Director Spencer and DPW Public Information Manager Robert Goulding respond.

Item 12 – Commissioner Communications

Chair Archambeau speaks on Permit Reform Advisory Committee meetings and Commissioner Padgett’s impending departure from the Commission; Commission Alberry speaks on the City Council vote on the Bank St & Cherry St conceptual designs and paving plans for North Ave north of Ethan Allen Pkwy; Commissioner Overby speaks on Elmwood Ave bollard installation and Intervale Rd bike/pedestrian meeting; Commissioner Padgett speaks on his impending departure from the Commission; Director Spencer responds.

Item 13 – Adjournment & Next Meeting Date – July 18, 2018

Motion to adjourn made by Clerk Gillman and seconded by Commissioner Alberry.
Action taken: motion approved;
“Ayes” are unanimous.

Meeting adjourned at 8:25pm.



**CITY OF BURLINGTON
DEPARTMENT OF PUBLIC WORKS**

645 Pine Street, Suite A
Burlington, VT 05401
802.863.9094 VOICE
802.863.0466 FAX
802.863.0450 TTY
www.burlingtonvt.gov/dpw

To: DPW Commissioners
Fr: Chapin Spencer, Director
Re: **Director's Report**
Date: July 11, 2018

WELCOME BRENDAN & COMMISSION ELECTIONS

Congratulations to Commissioners Archambeau and Gillman on their reappointment to the Commission. Congratulations also to Brendan Hogan – the recently appointed Commissioner who will fill Jeff Padgett's seat. He will join the Commission at this upcoming meeting. The start of the upcoming meeting will feature the annual elections for Commission Chair, Vice Chair and Clerk. I will run the beginning of the meeting through the elections and then turn it over to the elected Chair.

CONSTRUCTION SEASON UPDATE

Overall, we are progressing well with our coordinated paving and water main contract work. There have been unexpected issues, but we are generally tracking as planned. We very much appreciate the patience that residents and property owners have shown during this intensive construction period. Information on this season's capital reinvestments can be found on our Construction Portal here: <https://www.burlingtonvt.gov/construction>

FOLLOW-UP ON JULY 10 WET WEATHER RELEASE

Attached is the informational release we provided to the public on the discharge of treated but un-disinfected wet weather effluent from our Main Wastewater Treatment Plant on July 10. It was due to equipment failure – a programmable logic control system that did not turn on the disinfection pump for the wet weather flow during Tuesday night's rainstorm. We tested for E.coli at beaches and access points within one mile of the release on July 11. All results came back well below EPA limits and all Burlington beaches remain open. More detail is in the attached release. We have added an agenda item to update the Commission on our actions and answer your questions. Additionally, we've added this water quality resource page on our website: <https://www.burlingtonvt.gov/DPW/Water-Quality-History>

COMMISSION'S FY'18 ANNUAL REPORT TO COUNCIL

Chair Archambeau and I are scheduled to present the Commission's Annual Report to the City Council at the July 16 Council meeting. Other Commissioners are welcome to attend.

NO AUGUST COMMISSION MEETING SCHEDULED

At this time we are not planning to have an August Commission meeting. If there is an urgent item, I will discuss the options with the Chair.

AUGUST EMPLOYEE RECOGNITION & TEAM BUILDING EVENT AUGUST 10

Our annual employee recognition event will be from Noon to 3pm at the lower picnic shelter at Oakledge Park. Lunch will be from Noon to 1pm and Commissioners are welcome to attend.

Feel free to reach out with any questions prior to Wednesday's Commission meeting. Thank you.



City of Burlington
Department of Public Works
645 Pine St
Burlington, VT 05401
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For more information, contact:

Robert Goulding, DPW Public Information Manager
802-540-0846

PUBLIC WORKS' STATEMENT ON JULY 10TH WASTEWATER TREATMENT PLANT DISCHARGE

Burlington, VT – During an intense thunderstorm shortly before midnight on July 10th Burlington's Main Wastewater Treatment Plant (WWTP) experienced a failure of the computerized control system for our wet weather (combined sewer) disinfection pumps leading to the release of approximately 3 million gallons of treated (received screening and enhanced settling), non-disinfected wet weather discharge (stormwater and wastewater).

This discharge was mixed with fully treated and fully disinfected discharge from the remainder of the plant. This mixing and the outfall location (½ mile into the Lake passing through a diffuser, releasing discharges in a dispersed manner) may limit any increased bacteria loads in the water.

We have posted caution signs at beaches within one mile of our Plant's outfall location, which includes Blanchard Beach, Blodgett Access Area, the Coast Guard Boat Launch and Perkins Pier. We have sampled twice today, and will have results available early tomorrow. Based on prior similar events bacteria levels did not rise significantly at the beaches, however, caution is warranted for vulnerable populations (infants and toddlers who might ingest water and individuals with compromised immune systems) before recreating in these waters.

We will be following up with sample results as they become available tomorrow.

“We fully acknowledge, and apologize for, the multiple discharges this season,” said Public Works Director Chapin Spencer. “Our team focuses on protecting the City’s water resources every day and so the equipment and plant process failures that have led to these unpermitted discharges have been extremely frustrating for us as well as the community at large. It is our responsibility to protect our community against these events – and we will do everything within our power to deliver.”

WASTEWATER TREATMENT PLANT BACKGROUND INFO AND NEXT STEPS

The WWTP was extensively upgraded in the mid 1990’s and has been highly successful at decreasing Burlington’s impact on the Lake. These upgrades have allowed us to fully treat and fully disinfect an average of 170M gallons of wet weather discharge annually. Prior to these upgrades, this would all have went into Burlington’s waterways.

In 2009, Burlington created the state’s 2nd stormwater utility, and through the dedicated efforts of that program, has maintained a consistent upward trajectory on the goal of further reducing untreated combined sewer overflows and the impact of wet weather on the Main WWTP. For more information, see: <https://www.burlingtonvt.gov/DPW/Water-Quality-History>.

Further upgrades to the system are needed and we have been planning and analyzing these investments. In May and June presentations to the City Council the department highlighted an estimated \$8-10 million dollars of capital upgrades to replace existing treatment systems and pump station components anticipated over the next 4-5 years. Given the two equipment failures this season, this reinvestment takes on new urgency and we will continue to engage the City Council, the DPW Commission and the public on these important investments. We are fully committed to making all capital upgrades necessary to protect the lake with as little an impact on ratepayers as possible. DPW will be working with the Mayor’s office to finalize a plan for this

reinvestment by December 1, with the intention of a bond vote on Town Meeting Day March 2019.

In the short-term, we will be hiring an independent third party to fully evaluate the main plant's disinfection system and prioritize high-risk liabilities and will be immediately implementing any feasible near term improvements. We will update the DPW Commission on these efforts at their upcoming July 18, 2018 meeting which will be hosted at our Main Wastewater Treatment Plant. Later this summer, we will also announce and host a public Town Hall meeting to discuss Burlington's clean water efforts and answer questions from the public.

###

Please note that this communication and any response to it will be maintained as a public record and may be subject to disclosure under the Vermont Public Records Act.

City of Burlington

Vermont



Department Of Public Works

SIDEWALK PROGRAM

March 2016

SIDEWALK REPAIR PROGRAM

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1.0 PURPOSE

The Sidewalk Management Program (SMP) is a multimodal system of managing and maintaining the existing sidewalk network within the Right-of-Way in the City of Burlington. This program focuses on continuous preventative maintenance while taking into consideration resident feedback and outstanding safety concerns.

2.0 BACKGROUND

Burlington has an extensive transportation network containing over 130 miles of sidewalks. These sidewalks range in age from brand new to 60 years old or older. The design life for a segment of concrete sidewalk is estimated to be 40 years which means that a significant portion of City sidewalk has exceeded its design life expectancy. To meet this 40 year target design life, alternative repair methods and consistent maintenance will be required.

In 2014 the City of Burlington contracted Sally Swanson Architects to perform data collection on the entire sidewalk network. Working closely with staff, the consultant provided a GIS database that would allow the City to continuously track the conditions and needs of the sidewalk network.

3.0 OBJECTIVES

The objectives of this program are to:

1. Manage the total sidewalk network in a way that ensures safe and hazard free routes for pedestrian traffic.
2. Ensure that sidewalks within the right of way meet ADA standards and PROWAG guidelines.
3. Maintain a complete record of Burlington Sidewalks and their condition evaluated on a 5-10 year rotating schedule.
4. Determine a predictive work plan for long run replacement of sidewalks.
5. Use various methods of evaluation and repair to ensure the most economical use of sidewalk funding.
6. Address additional safety hazards that may occur within the sidewalk network.

4.0 INVENTORY MANAGEMENT

4.1 PURPOSE

In order to maintain and manage the sidewalk network a complete inventory of all existing sections of sidewalk had to be created. This was done **empirically** using GPS technology and data collector to create a GIS database. This database allows for a graphical representation of the sidewalk network and condition.

When repairs are made to a given section of sidewalk, the inventory will be updated to reflect these repairs, otherwise sidewalk sections are only evaluated every 5-10 years.

4.2 BARRIER SCORE

The barrier score is used to determine the level of deterioration of a given section of sidewalk. A number of factors were taken into consideration: running slope, cross slope, vertical offset, and puddling.

Table 1: Barrier Score Factors

Barrier Type	Weight	Quantity	Value	Score
Minor Heaving	10	1-2 incidents	30%	3
		3-5 incidents	60%	6
		6 + incidents	100%	10
Major Heaving	20	1-2 incidents	30%	6
		3-5 incidents	60%	12
		6 + incidents	100%	20
Cross Slope Low	5	10' or less	50%	2.5
		> 10'	100%	5
Cross Slope Medium	10	10' or less	50%	5
		> 10'	100%	10
Cross Slope High	15	10' or less	50%	7.5
		> 10'	100%	15
Running Slope Low	2.5	10' or less	50%	1.25
		> 10'	100%	2.5
Running Slope Medium	5	10' or less	50%	2.5
		> 10'	100%	5
Running Slope High	7.5	10' or less	50%	3.75
		> 10'	100%	7.5
Puddling	25	1 incident	50%	12.5
		3+ incidents	100%	25

Notes: Sidewalk puddles are evaluated during the year when the ground is not frozen, to determine where year-round drainage issues occur. Under full-funding, puddles will begin to be evaluated during winter months to address maintenance as well as drainage issues.

4.3 ACTIVITY SCORE

The activity score is used to estimate the level of activity that a given section of sidewalk might see. This is the equivalent of the Pedestrian Propensity (Potential) Index. The following table shows what factors are considered and how they are weighted to compute an activity score.

Table 2: Activity Score Factors

CRITERIA LAYER	SUB CATERGORY	WEIGHT	CATEGORY	VALUE	ADUSTED SCORE
STREETS	ARTERIAL	10	ADJACENT ARTERIAL STREET	100%	10
	COLLECTOR		ADJACENT COLLECTOR STREET	50%	5
	LOCAL		ADJACENT LOCAL STREET	25%	2.5
TRANSIT STOPS		5	WITHIN 1/4 MILE OF TRANSIT STOP	100%	5
SCHOOLS	ELEMENTARY SCHOOL	12	WITHIN 1/4 MILE OF ELEMENTARY SCHOOL	100%	12
	MIDDLE OR HIGH SCHOOL		WITHIN 1/2 MILE OF MIDDLE OR HIGH SCHOOL	67%	8
	COLLEGE		WITHIN 1 MILE OF COLLEGE	42%	5
PARKS/PATH	LARGE	10	WITHIN 1/2 MILE OF PARK	100%	10
	MEDIUM		WITHIN 1/2 MILE OF PARK	50%	5
	SMALL		WITHIN 1/4 MILE OF PARK	50%	5
CITY ATTRACTORS	DOWNTOWN DESIGNATION	12	WITHIN 1/4 MILE OF DOWNTOWN AREA	100%	12
	NEIGHBORHOOD ACTIVITY CENTER		WITHIN 1/4 MILE OF NEIGHBORHOOD ACTIVITY CENTER	67%	8
PEDESTRIAN GENERATORS	SENIOR CENTER	12	WITHIN 1/4 MILE OF SENIOR CENTER	100%	12
	COMMUNITY CENTER		WITHIN 1/4 MILE OF COMMUNITY CENTER	67%	8
	EMPLOYMENT CENTER		WITHIN 1/2 MILE OF LARGE EMPLOYER	42%	5
	MEDICAL OR SOCIAL SERVICES		WITHIN 1/4 MILE OF MEDICAL OR SOCIAL SERVICES	100%	12
POPULATION DENSITY		12	CATEGORIES LOOSELY BASED ON "NATURAL BREAKS" CLASSIFICATIONS	0%	0
				30%	4
				60%	7
				100%	12
ELDERLY POPULATION DENSITY		12	CATEGORIES LOOSELY BASED ON "NATURAL BREAKS" CLASSIFICATIONS	0%	0
				30%	4
				60%	7
				100%	12

4.4 PRIORITY SCORE:

The priority score or SCI (Sidewalk Condition Index) is the final score that determines the order in which whole segments of sidewalks come up for replacement. This score combines the barrier and activity score to give us an objective idea of how important replacing each segment of sidewalk is. Higher scores mean segments in greater need of repair, lower scores mean less need of repair. The equation for the priority score is as follows:

a = Activity Score

b = Barrier Score

p = Priority Score

$$\begin{aligned} \text{If } a \leq 2b; \quad p &= b + a \\ \text{If } a > 2b; \quad p &= b + 2b \end{aligned}$$

5.0 REPAIR METHODOLOGY

5.1 LONG RUN REPAIRS

- a. Based on the Sidewalk Condition Index (SCI)
- b. Repaired in order of score (highest to lowest)

5.2 LOCALIZED REPAIRS

- c. Localized repairs occur where the entire segment of a sidewalk doesn't qualify for replacement in the near future, but a smaller section within that segment may warrant some repair.
- d. Identification of Localized Repairs
 - i. Coordinated work with other departments
 - ii. Project related work
 - iii. To improve conditions on a low scoring sidewalk segment
 - iv. Requested
 1. RFS (Request for Service)
 2. SCF (See-Click-Fix)
 3. DPW customer service
 4. Other

5.3 SAFETY HAZARD REPAIRS

- e. A sidewalk safety hazard is an extant condition in a sidewalk that causes it to be difficult to traverse for a pedestrian.
- f. Sidewalks deemed to be a safety hazard are eligible for repair outside the normal work plan for sidewalk improvements through an expedited system.
- g. Identification of Safety Issues
 - i. After safety incident

- ii. Requested
 - 1. RFS (Request for Service)
 - 2. SCF (See-Click-Fix)
 - 3. DPW customer service
 - 4. Other
- iii. Identified via inventory

5.4 ALTERNATIVE REPAIRS

- h. Sidewalks that do not qualify as safety hazards or localized repairs and are not planned to be repaired within the current fiscal year may qualify.
- i. Alternative repairs include sidewalk sawcutting, asphalt patching, mudjacking, tree root trimming, sidewalk bridging, etc.

6.0 SAFETY HAZARD CRITERIA

6.1 DEFINITION OF SAFETY HAZARD

A safety hazard within the sidewalk program is a physical feature of a sidewalk that causes it to be hazardous to traverse for an average person.

6.2 QUALIFICATION OF SAFETY HAZARD

For a sidewalk to be considered a safety hazard it must meet at least one of the following conditions:

- A sidewalk panel rocks when walked across.
- The sidewalk contains an instance of 2" or greater vertical displacement
- More than half of a sidewalk panel is missing and there is at least a 1 inch vertical displacement
- The panel is producing granular material in such quantity and size that it is causing a tripping hazard. (>1" diameter pieces)
- Large unstable broken chunks of sidewalk
- There is a gap between panels 2" or greater with some amount of vertical displacement

Conditions that do not, in themselves, constitute a sidewalk safety hazard:

- A panel surface has started to deteriorate or appears to be "down to dirt", but appears in decent condition after loose material has been removed.
- Two sidewalk panels have grass growing between them.
- The sidewalk is severely cracked, but has no vertical displacements.
- The sidewalk is being lifted by tree roots.

- Spalling along the edges of a panel that does not create a vertical change of greater than 2 inches.

NOTE: Sidewalks showing these conditions will be evaluated for inclusion in the localized replacement list.

7.0 BUDGET

7.1 PROGRAM LEVEL BUDGET

Budgetary considerations and outline to adequately support the City of Burlington's Sidewalk Program.

Definition of a fully-funded program: $\geq \$750,000.00$
 Definition of an under-funded program: $< \$750,000.00$

Under a fully funded program, work sufficient to cover annual ROW department budget will be assigned to ROW department. All other sidewalk work will be contracted out.

7.2 PROJECT LEVEL BUDGET

The percentage of funds allocated to various types of repairs will vary based on the funding level of the program.

Under a fully-funded program, the project funding breakdown is as follows:

Type of Repair	% of Funds Allocated
Long Runs	$\geq 75\%$
Short Runs (non-safety)	$\leq 10\%$
Short Runs (Safety)	$\leq 15\%$

Under an under-funded program, the project funding breakdown is as follows:

Type of Repair	% of Funds Allocated
Long Runs	$\geq 40\%$
Short Runs (non-safety)	$\leq 15\%$
Short Runs (Safety)	$\leq 45\%$

The budget for the Sidewalk Sawcutting Program will consist of no more than 10% of the budget allocated to Long Run repairs in a given fiscal year.

8.0 SIDEWALK ENHANCEMENTS

8.1 Identification

Sidewalk enhancements constitute construction of new pedestrian facilities within the right-of-way.

8.2 Prioritization

1. Activity Score
2. Walk/Bike plan recommendations
3. Visual inspection for signs of pedestrian usage.



CITY OF BURLINGTON

Appendix B

GIS Tracking Protocol



GIS Tracking Protocol

The geodatabase “BurlingtonADA” contains built-in tracking mechanisms within three feature classes: “Routes,” “CurbRamps,” and “PedestrianPushButtons.” The “Routes” feature class represents sidewalks measured by the SSI Profiler tool. The “CurbRamps” feature class represents curb ramps. The “PedestrianPushButtons” feature class represents pedestrian push buttons. The feature classes listed above contain six tracking columns within each Attribute Table:

1. **Priority:** This column shows the priority score given to each attribute of the public right of way and indicates the order in which barriers should be mitigated. The highest priority score is 200, and the lowest priority score is 0.
2. **Priority Level:** Each priority level is determined by a priority score that is ranked according to the Natural Breaks (Jenks) method. The levels are High, Medium-High, Medium, Medium-Low, Low and Compliant.
3. **Repair Cost:** This column is used to input the estimated cost of mitigating a specific barrier. This value is then used to budget barrier mitigations in accordance with the City’s annual budgets (both present and future) or other funding sources.
4. **Planned Repair Date:** Abbreviated as “PlanRepDate” in GIS, this column shows the expected fiscal year in which a barrier is to be mitigated, once a Repair Project has been identified.
5. **Repair Project:** This column tracks planned projects that will encompass mitigations of specific barriers. These can be either projects allocated by the City for general ADA repairs or projects already in the City’s pipelines that will trigger ADA upgrades.
6. **Actual Repair Date:** Abbreviated as “ActRepDate” in GIS, this column is used to input the date when a specific barrier is mitigated.

Step 1: Identifying Future Projects

To plan for future projects, first identify projects already in the City’s pipelines that would trigger ADA upgrades. Once these projects have been identified, the name of the project should be entered into the geodatabase column titled “Repair Project.” for all identified barriers located within the scope of work of these projects, as well as the expected fiscal year of completion of the project into the column called “Planned Repair Date.”

Next, the City should establish its annual budget for general ADA projects or establish a General Fund to repair all barriers not already within the scope of an existing planned project. Projects to mitigate ADA barriers should be planned according to the budget for each fiscal year, and should allocate repairs from highest priority score to lowest priority score, working one’s way down the list. Repairs can be projected outward for as many fiscal years as the City chooses.

For each barrier mitigation funded by the City's budget for general ADA project, "General Funds" should be entered into the "Repair Project" column. The "Planned Repair Date" column should denote the fiscal year in which a specific barrier is expected to be mitigated.

Step 2: Documenting Completed Barrier Mitigations

When barrier mitigation work has been completed, the date of repair should be entered into the geodatabase column titled "Actual Repair Date." Otherwise, the column should be left blank to signify that repair work has not yet been completed. Other additional columns can be added as the city sees fit. Additionally, geodatabases allow for attachments in the form of documents, pictures, videos, or CAD files.

Step 3: Updating the Priority and Priority Level

Once a barrier has been mitigated, the "Priority Score" of the feature should be edited to reflect a score of zero. The "Priority Level" column should be edited to say "Mitigated 2017" or something similar. This allows users to query the data and to see what barrier mitigation work has or has not been completed.

Step 4: Clear the Measurement Data (Optional)

Once a project is completed, the measurements and descriptions are no longer relevant to the state of the feature at present, and can be cleared for the features involved. The City can archive the old data for reference if it so chooses.

For CurbRamps and PedestrianPushButtons the only relevant information left will be the two street names, the orientation (N, S, E, W, etc.), and the tracking information. Old measurements and descriptions can therefore be cleaned out.

For each sidewalk, the CrossSlope, RunningSlope, VerticalChanges and Obstructions features will not be relevant after that sidewalk's barriers are mitigated. The above-mentioned features can therefore be deleted after the mitigation project is complete.

"KeyPressLines" may still be relevant, as this feature it typically represents where driveways are located.



CITY OF BURLINGTON

Appendix C

Sidewalks / Routes Budget Allocation



Planned Repair Date: FY 17			\$6,332,998.50
Repair Project: 5 Year Paving Plan			\$5,454,610.00
1410310727	MANHATTAN DR	Starting at: LAFOUNTAIN Ending at: SPRING	\$23,565.00
1410310720	MANHATTAN DR	Starting at: MANHATTAN DR Ending at: ROSE	\$170,540.00
1411120538	MANHATTAN DR	Starting at: N CHAMPLAIN Ending at: ROSE	\$27,460.00
1411120534	MANHATTAN DR	Starting at: PARK Ending at: N CHAMPLAIN	\$48,000.00
1410310724	MANHATTAN DR	Starting at: ROSE Ending at: LAFOUNTAIN	\$47,792.00
1410310735	MANHATTAN DR	Starting at: SPRING Ending at: OAK	\$71,175.00
1411141040	NORTH AV	Starting at: 1199 NORTH AV Ending at: POIRIER PL	\$124,995.00
1411141337	NORTH AV	Starting at: 209 NORTH AV Ending at: INSTITUTE RD	\$98,525.00
1411140824	NORTH AV	Starting at: 422 NORTH AV Ending at: INSTITUTE RD	\$204,485.00
1411140846	NORTH AV	Starting at: 726 NORTH AV Ending at: ROUTE 127	\$100,505.00
1411141330	NORTH AV	Starting at: 819 NORTH AV Ending at: 209 NORTH AV	\$130,525.00
1411161106	NORTH AV	Starting at: ACROSS 422 NORTH AV Ending at: BERRY	\$184,410.00
1411161115	NORTH AV	Starting at: BERRY Ending at: CANFIELD	\$113,960.00
1411141151	NORTH AV	Starting at: BIRCH CT Ending at: FAIRMONT PL	\$17,385.00
1411200701	NORTH AV	Starting at: BROWE CT Ending at: STARR FARM RD	\$45,200.00
1411161121	NORTH AV	Starting at: CANFIELD Ending at: HASWELL	\$19,935.00
1411141148	NORTH AV	Starting at: CAYUGA CT Ending at: BIRCH CT	\$16,240.00
1411140807	NORTH AV	Starting at: CONVENT SQ Ending at: 422 NORTH AV	\$155,050.00
1411141221	NORTH AV	Starting at: CROSS PKWY Ending at: STANIFORD RD	\$34,720.00
1411140751	NORTH AV	Starting at: CROWLEY Ending at: WASHINGTON	\$42,800.00
1411140535	NORTH AV	Starting at: DEPOT Ending at: SHERMAN	\$62,150.00
1411200521	NORTH AV	Starting at: DERWAY DR Ending at: WESTWARD DR	\$164,625.00
1411200653	NORTH AV	Starting at: DEWEY DR Ending at: SIMMS	\$62,675.00
1411141236	NORTH AV	Starting at: DODDS CT Ending at: SHORE RD	\$55,640.00
1411141116	NORTH AV	Starting at: EDGEMOOR DR Ending at: CAYUGA CT	\$30,500.00
1411141027	NORTH AV	Starting at: ETHAN ALLEN PKWY Ending at: 1199 NORTH AV	\$155,985.00
1411200555	NORTH AV	Starting at: FAIRFIELD DR Ending at: NORTHGATE RD	\$73,600.00
1411141201	NORTH AV	Starting at: FAIRMONT PL Ending at: RED MAPLE LN	\$38,720.00
1411141102	NORTH AV	Starting at: GOSSE CT Ending at: WOODBURY RD	\$34,700.00
1411141216	NORTH AV	Starting at: GREEN ACRES DR Ending at: CROSS PKWY	\$8,325.00
1411141057	NORTH AV	Starting at: HEINEBERG RD Ending at: GOSSE CT	\$72,940.00
1411161052	NORTH AV	Starting at: INSTITUTE RD Ending at: ACROSS 422 NORTH AV	\$325,195.00
1411141319	NORTH AV	Starting at: KILLARNEY DR Ending at: 819 NORTH AV	\$178,775.00
1411141306	NORTH AV	Starting at: LAKEWOOD PKWY Ending at: KILLARNEY DR	\$75,325.00
1411141254	NORTH AV	Starting at: LEDDY PK RD Ending at: LEONARD	\$3,060.00
1411141259	NORTH AV	Starting at: LEONARD Ending at: LAKEWOOD PKWY	\$31,600.00
1411141214	NORTH AV	Starting at: LOALDO DR Ending at: GREEN ACRES DR	\$23,600.00
1411200459	NORTH AV	Starting at: NORTH AV END Ending at: 3075 NORTH AV	\$138,440.00
1411140558	NORTH AV	Starting at: NORTH ST Ending at: STRONG	\$29,050.00
1411200649	NORTH AV	Starting at: NORTHGATE RD Ending at: DEWEY DR	\$43,450.00
1411141045	NORTH AV	Starting at: POIRIER PL Ending at: HEINEBERG RD	\$36,780.00
1411141203	NORTH AV	Starting at: RED MAPLE LN Ending at: TRACY DR	\$3,725.00
1411140902	NORTH AV	Starting at: ROUTE 127 Ending at: SARATOGA AV	\$30,368.00
1411140906	NORTH AV	Starting at: SARATOGA AV Ending at: VILLAGE GREEN	\$17,620.00
1411140553	NORTH AV	Starting at: SHERMAN Ending at: NORTH ST	\$108,000.00

1411141248	NORTH AV	Starting at: SHORE RD Ending at: 1199 NORTH AV	\$32,825.00
1411200656	NORTH AV	Starting at: SIMMS Ending at: BROWE CT	\$19,225.00
1411141224	NORTH AV	Starting at: STANIFORD RD Ending at: WOODBURY RD	\$18,575.00
1411200706	NORTH AV	Starting at: STARR FARM RD Ending at: WEST RD	\$15,260.00
1411140737	NORTH AV	Starting at: STRONG Ending at: WARD	\$2,000.00
1411141208	NORTH AV	Starting at: TRACY DR Ending at: LOALDO DR	\$26,220.00
1411141009	NORTH AV	Starting at: VILLAGE GREEN Ending at: ETHAN ALLEN PKWY	\$19,780.00
1411140740	NORTH AV	Starting at: WARD Ending at: CROWLEY	\$10,250.00
1411140754	NORTH AV	Starting at: WASHINGTON Ending at: CONVENT SQ	\$36,865.00
1411200708	NORTH AV	Starting at: WEST RD Ending at: 1571 NORTH AV	\$27,240.00
1411200550	NORTH AV	Starting at: WESTWARD DR Ending at: FAIRFIELD DR	\$14,000.00
1411141228	NORTH AV	Starting at: WOODBURY RD Ending at: WOODLAWN RD	\$65,285.00
1411141231	NORTH AV	Starting at: WOODLAWN RD Ending at: DODDS CT	\$8,675.00
1410200720	AUSTIN DR	Starting at: 91 AUSTIN DR Ending at: INDUSTRIAL PKWY	\$39,155.00
1411200636	FOREST	Starting at: NORTH AV Ending at: NORTHVIEW DR	\$107,330.00
1411200645	FOREST	Starting at: NORTHVIEW DR Ending at: NORTH AV	\$87,850.00
1410301120	GRANT	Starting at: CLARKE Ending at: N WINOOSKI AV	\$18,000.00
1410301140	GRANT	Starting at: ELMWOOD AV Ending at: CLARKE	\$40,000.00
1410301130	GRANT	Starting at: N UNION Ending at: N WINOOSKI AV	\$48,225.00
1410301125	GRANT	Starting at: N WINOOSKI AV Ending at: N UNION	\$86,425.00
1411170826	HEINEBERG RD	Starting at: ARLINGTON CT Ending at: FARRINGTON PKWY	\$46,240.00
1411170831	HEINEBERG RD	Starting at: FARRINGTON PKWY Ending at: MARSHALL DR	\$31,875.00
1411170754	HEINEBERG RD	Starting at: MARSHALL DR Ending at: NORTH AV	\$68,100.00
1411170759	HEINEBERG RD	Starting at: NORTH AV Ending at: POIRIER PL	\$25,660.00
1411170801	HEINEBERG RD	Starting at: POIRIER PL Ending at: ARLINGTON CT	\$25,865.00
1411110517	HICKOK PL	Starting at: CONVERSE CT Ending at: N UNION	\$32,365.00
1411110445	HICKOK PL	Starting at: GREENE Ending at: ISHAM	\$31,020.00
1411110501	HICKOK PL	Starting at: ISHAM Ending at: GREENE	\$11,125.00
1411110442	HICKOK PL	Starting at: N UNION Ending at: GREENE	\$39,075.00
1411110452	ISHAM	Starting at: HICKOK PL Ending at: LOOMIS	\$54,080.00
1411110458	ISHAM	Starting at: LOOMIS Ending at: HICKOK PL	\$80,640.00
1410271215	KING	Starting at: BATTERY Ending at: S CHAMPLAIN	\$34,000.00
1410271137	KING	Starting at: PINE Ending at: S CHAMPLAIN	\$52,000.00
1410271249	KING	Starting at: S CHAMPLAIN Ending at: PINE	\$69,050.00
1411180907	MOORE CT	Starting at: MOORE CT END Ending at: MOORE DR	\$14,525.00
1411180905	MOORE CT	Starting at: MOORE DR Ending at: MOORE CT END	\$12,275.00
1411180859	MOORE DR	Starting at: ETHAN ALLEN PKWY Ending at: MOORE DR END	\$59,475.00
1411180911	MOORE DR	Starting at: MOORE CT Ending at: ETHAN ALLEN PKWY	\$22,695.00
1411180902	MOORE DR	Starting at: MOORE DR END Ending at: MOORE CT	\$32,225.00
1411200603	NORTHGATE RD	Starting at: NORTH AV Ending at: NORTHGATE RD END	\$93,935.00
1411140656	PITKIN	Starting at: MANHATTAN DR Ending at: STRONG	\$29,200.00
1411140652	PITKIN	Starting at: NORTH ST Ending at: MANHATTAN DR	\$73,500.00
1411140641	PITKIN	Starting at: STRONG Ending at: NORTH ST	\$54,510.00
1410200654	AUSTIN DR (PRIVATE)	Starting at: 102 AUSTIN DR (PRIVATE) Ending at: 130 AUSTIN DR (PRIVATE)	\$67,625.00
1410200657	AUSTIN DR (PRIVATE)	Starting at: 144 AUSTIN DR (PRIVATE) Ending at: 155 AUSTIN DR (PRIVATE)	\$37,475.00
1410200708	AUSTIN DR (PRIVATE)	Starting at: ACROSS 102 AUSTIN DR Ending at: AUSTIN DR	\$150,775.00

Repair Project: **General Funds****\$878,388.50**

1410251406	ST PAUL	Starting at: HOWARD	Ending at: SPRUCE	\$136,375.00
1411100815	SHERMAN	Starting at: N CHAMPLAIN	Ending at: PARK	\$50,016.00
1411100810	SHERMAN	Starting at: PARK	Ending at: N CHAMPLAIN	\$533,435.00
1410250713	CENTER	Starting at: BANK	Ending at: COLLEGE	\$81,542.50
1411170538	ETHAN ALLEN PKWY	Starting at: NORTH AV	Ending at: ACROSS 16 ETHAN ALLEN PKWY	\$77,020.00

Planned Repair Date: FY 18			\$3,106,671.00
Repair Project: 5 Year Paving Plan			\$1,970,601.00
1410200642	AUSTIN DR	Starting at: DUNDER RD Ending at: AUSTIN DR (208)	\$90,675.00
1410200604	AUSTIN DR	Starting at: S COVE RD Ending at: S COVE RD	\$67,600.00
1410271053	CHERRY	Starting at: ACROSS PINE ST Ending at: CHURCH	\$246,350.00
1410270907	CHERRY	Starting at: BATTERY Ending at: ACROSS PINE	\$194,666.00
1410270813	CHERRY	Starting at: CHURCH Ending at: ST PAUL	\$176,530.00
1410270854	CHERRY	Starting at: PINE Ending at: BATTERY	\$55,975.00
1410270809	CHERRY	Starting at: S WINOOSKI AV Ending at: CHURCH	\$68,890.00
1410270832	CHERRY	Starting at: ST PAUL Ending at: PINE	\$67,920.00
1410290802	CLIFF	Starting at: 147 CLIFF Ending at: SUMMIT	\$12,660.00
1411201052	CURTIS AV	Starting at: 106 CURTIS AV Ending at: STARR FARM RD	\$89,075.00
1411201024	CURTIS AV	Starting at: 117 CURTIS AV Ending at: 135 CURTIS AV	\$16,110.00
1411201044	CURTIS AV	Starting at: 130 CURTIS AV Ending at: 106 CURTIS AV	\$19,200.00
1411201032	CURTIS AV	Starting at: 135 CURTIS AV Ending at: SUNSET CLIFF RD	\$108,210.00
1411201022	CURTIS AV	Starting at: STARR FARM RD Ending at: 117 CURTIS AV	\$126,975.00
1411201041	CURTIS AV	Starting at: SUNSET CLIFF RD Ending at: 130 CURTIS AV	\$69,710.00
1410200623	DUNDER RD	Starting at: AUSTIN DR Ending at: DUNDER RD END	\$174,075.00
1411201115	PLEASANT AV	Starting at: 104 PLEASANT AV Ending at: STARR FARM RD	\$96,000.00
1411201124	PLEASANT AV	Starting at: 11 PLEASANT AV Ending at: 95 PLEASANT AV	\$73,300.00
1411201107	PLEASANT AV	Starting at: 142 PLEASANT AV Ending at: 104 PLEASANT AV	\$40,170.00
1411201134	PLEASANT AV	Starting at: 145 PLEASANT AV Ending at: STARR FARM RD	\$70,035.00
1411201126	PLEASANT AV	Starting at: 95 PLEASANT AV Ending at: 145 PLEASANT AV	\$10,025.00
1411201104	PLEASANT AV	Starting at: STARR FARM RD Ending at: 142 PLEASANT AV	\$96,450.00
Repair Project: CIP: Colchester Ave from East to Prospect, S side			\$412,507.00
1411151214	COLCHESTER AV	Starting at: 61 COLCHESTER AV Ending at: EAST AV	\$279,016.00
1411151202	COLCHESTER AV	Starting at: ACROSS MANSFIELD AV Ending at: 61 COLCHESTER AV	\$77,991.00
1411130828	COLCHESTER AV	Starting at: N PROSPECT Ending at: UNIVERSITY PL	\$15,640.00
1411130832	COLCHESTER AV	Starting at: UNIVERSITY PL Ending at: ACROSS MANSFIELD AV	\$39,860.00
Repair Project: CIP: Main St from Church St to Pine St			\$323,438.00
1410281151	MAIN	Starting at: 111 MAIN Ending at: ST PAUL	\$58,400.00
1410281113	MAIN	Starting at: CHURCH Ending at: ST PAUL	\$80,250.00
1410281117	MAIN	Starting at: ST PAUL Ending at: PINE	\$184,788.00
Repair Project: General Funds			\$400,125.00
1410271113	S WINOOSKI AV	Starting at: COLLEGE Ending at: MAIN	\$65,219.00
1410270555	S WINOOSKI AV	Starting at: KING Ending at: MAIN	\$79,692.00
1410271118	S WINOOSKI AV	Starting at: MAIN Ending at: KING	\$81,084.00
1410300653	PEARL	Starting at: N CHAMPLAIN Ending at: BATTERY	\$61,480.00
1410270836	PINE	Starting at: CHERRY Ending at: PEARL	\$51,600.00
1410271123	KING	Starting at: S WINOOSKI AV Ending at: CHURCH	\$61,050.00

Planned Repair Date: FY 19			\$2,914,701.00
Repair Project: 5 Year Paving Plan			\$1,453,554.00
1411190719	FERN	Starting at: IVY LN Ending at: SHORE RD	\$29,865.00
1411190454	FERN	Starting at: SHORE RD Ending at: BRIERWOOD LN	\$12,400.00
1411131149	HILDRED DR	Starting at: 273 HILDRED DR Ending at: HILDRED DR	\$108,675.00
1411131203	HILDRED DR	Starting at: ACROSS 273 HILDRED DR Ending at: HILDRED DR	\$60,005.00
1411131206	HILDRED DR	Starting at: HILDRED DR Ending at: HILLSIDE TERR	\$108,600.00
1411131136	HILDRED DR	Starting at: HILLSIDE TERR Ending at: 273 HILDRED DR	\$69,975.00
1411190714	IVY LN	Starting at: DODDS CT Ending at: FERN	\$24,680.00
1410251116	MAPLE	Starting at: BATTERY Ending at: S CHAMPLAIN	\$33,784.00
1410251301	MAPLE	Starting at: CHURCH Ending at: ST PAUL	\$90,310.00
1410251234	MAPLE	Starting at: HARRINGTON TERR Ending at: S WILLARD	\$64,280.00
1410251126	MAPLE	Starting at: PINE Ending at: ST PAUL	\$63,735.00
1410251121	MAPLE	Starting at: S CHAMPLAIN Ending at: PINE	\$40,630.00
1410251214	MAPLE	Starting at: S PROSPECT Ending at: SUMMIT	\$27,325.00
1410251251	MAPLE	Starting at: S UNION Ending at: S WINOOSKI AV	\$191,365.00
1410251203	MAPLE	Starting at: S WILLARD Ending at: SUMMIT	\$235,745.00
1410251142	MAPLE	Starting at: S WINOOSKI AV Ending at: S UNION	\$115,650.00
1410251306	MAPLE	Starting at: ST PAUL Ending at: PINE	\$96,740.00
1410251209	MAPLE	Starting at: SUMMIT Ending at: S PROSPECT	\$79,790.00
Repair Project: CIP: Pine Street from Lakeside Ave to Main St			\$812,054.00
1410250628	PINE	Starting at: 266 PINE Ending at: MAPLE	\$52,355.00
1410221223	PINE	Starting at: 500 PINE Ending at: HOWARD	\$64,019.00
1410221238	PINE	Starting at: ACROSS 500 PINE ST Ending at: ACROSS LOCUST	\$84,800.00
1410251327	PINE	Starting at: ACROSS KILBURN Ending at: ACROSS MARBLE AV	\$36,250.00
1410221200	PINE	Starting at: ACROSS LAKESIDE AV Ending at: LOCUST	\$95,540.00
1410221248	PINE	Starting at: ACROSS LOCUST Ending at: LAKESIDE AV	\$54,150.00
1410250530	PINE	Starting at: HOWARD Ending at: MARBLE AV	\$75,125.00
1410250621	PINE	Starting at: KILBURN Ending at: 266 PINE	\$33,850.00
1410251051	PINE	Starting at: KING Ending at: MAPLE	\$64,235.00
1410221210	PINE	Starting at: LOCUST Ending at: 500 PINE	\$68,500.00
1410251046	PINE	Starting at: MAIN Ending at: KING	\$33,765.00
1410250633	PINE	Starting at: MAPLE Ending at: KING	\$90,200.00
1410250559	PINE	Starting at: MARBLE AV Ending at: PINE PL	\$26,865.00
1410250605	PINE	Starting at: PINE PL Ending at: KILBURN	\$32,400.00
Repair Project: CIP: St. Paul Street from Main to Maple			\$175,005.00
1410261018	ST PAUL	Starting at: 161 ST PAUL Ending at: KING	\$19,600.00
1410261022	ST PAUL	Starting at: KING Ending at: MAPLE	\$104,820.00
1410261015	ST PAUL	Starting at: MAIN Ending at: ACROSS ST PAUL	\$23,280.00
1410260749	ST PAUL	Starting at: MAPLE Ending at: KING	\$27,305.00
Repair Project: General Funds			\$474,088.00
1411150820	COLCHESTER AV	Starting at: THIBAUT PKWY Ending at: CALARCO CT	\$210,430.00
1410221146	PINE	Starting at: BIRCHCLIFF PKWY Ending at: ACROSS LAKESIDE AV	\$117,960.00
1411110509	CONVERSE CT	Starting at: HICKOK PL Ending at: CONVERSE CT END	\$33,940.00
1410271421	ELM TERR	Starting at: ELM TERR END Ending at: 25 ELM TERR	\$33,250.00
1411121038	GERMAIN	Starting at: ARCHIBALD Ending at: POMEROY	\$57,500.00

1410260722	SPRUCE CT	Starting at: SPRUCE CT END	Ending at: SPRUCE	\$21,008.00
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Planned Repair Date: FY 20			\$1,667,355.00
Repair Project: 5 Year Paving Plan			\$1,068,489.00
1410221134	BIRCHCLIFF PKWY	Starting at: ALDER LN Ending at: BITTERSWEET LN	\$34,800.00
1410221131	BIRCHCLIFF PKWY	Starting at: LINDEN TERR Ending at: ALDER LN	\$31,085.00
1410220801	BIRCHCLIFF PKWY	Starting at: PINE Ending at: SHELBURNE RD	\$240,295.00
1410220811	BIRCHCLIFF PKWY	Starting at: SHELBURNE RD Ending at: LINDEN TERR	\$48,000.00
1411170627	BLONDIN CIR	Starting at: BLONDIN CIR END Ending at: LOPES AV	\$13,710.00
1411170624	BLONDIN CIR	Starting at: LOPES AV Ending at: BLONDIN CIR END	\$26,125.00
1411160833	LAKEWOOD PKWY	Starting at: BEACHCREST DR Ending at: TALLWOOD LN	\$116,505.00
1411160843	LAKEWOOD PKWY	Starting at: BIRCHWOOD LN Ending at: WOODRIDGE DR	\$85,300.00
1411160722	LAKEWOOD PKWY	Starting at: NORTH AV Ending at: BEACHCREST DR	\$181,675.00
1411160836	LAKEWOOD PKWY	Starting at: TALLWOOD LN Ending at: BIRCHWOOD LN	\$36,540.00
1411160846	LAKEWOOD PKWY	Starting at: WOODRIDGE DR Ending at: NORTH AV	\$29,220.00
1411181141	VALADE PK	Starting at: VALADE PK END Ending at: SUNSET DR	\$95,894.00
1411200545	WESTWARD DR	Starting at: HARDY AV Ending at: WESTWARD DR END	\$28,260.00
1411200523	WESTWARD DR	Starting at: NORTH AV Ending at: HARDY AV	\$26,260.00
1411200549	WESTWARD DR	Starting at: WESTWARD DR END Ending at: NORTH AV	\$74,820.00
Repair Project: General Funds			\$598,866.00
1411151058	COLCHESTER AV	Starting at: BARRETT Ending at: ACROSS CHASE	\$82,205.00
1410261111	ST PAUL	Starting at: SHELBURNE RD Ending at: HOWARD	\$146,705.00
1411181216	BORESTONE LN	Starting at: 15 BORESTONE LN Ending at: 1 BORESTONE LN	\$14,268.00
1411181202	BORESTONE LN	Starting at: 18 BORESTONE LN Ending at: 24 BORESTONE LN	\$3,096.00
1411181205	BORESTONE LN	Starting at: 26 BORESTONE LN Ending at: 56 BORESTONE LN	\$22,396.00
1411181221	BORESTONE LN	Starting at: 3 BORESTONE LN Ending at: 125 BORESTONE LN	\$39,060.00
1411181210	BORESTONE LN	Starting at: 72 BORESTONE LN Ending at: 167 BORESTONE LN	\$31,791.00
1411181214	BORESTONE LN	Starting at: 89 BORESTONE LN Ending at: 18 BORESTONE LN	\$32,959.00
1411120858	HYDE	Starting at: ARCHIBALD Ending at: NORTH ST	\$84,165.00
1411130633	HYDE	Starting at: RIVERSIDE AV Ending at: N WILLARD	\$54,600.00
1410250545	MARBLE AV	Starting at: HAYWARD Ending at: ST PAUL	\$56,325.00
1411100902	POPLAR	Starting at: 20 POPLAR Ending at: PARK	\$31,296.00

Planned Repair Date: **FY 21****\$428,083.00**Repair Project: **General Funds****\$428,083.00**

1410310555	MANHATTAN DR	<i>Starting at: OAK Ending at: WALNUT</i>	\$87,460.00
1411210613	BILLINGS CT	<i>Starting at: BILLINGS CT END Ending at: VAN PATTEN PKWY</i>	\$29,815.00
1411110709	BOOTH	<i>Starting at: LOOMIS Ending at: NORTH ST</i>	\$67,325.00
1410281217	CHURCH	<i>Starting at: ADAMS Ending at: MAPLE</i>	\$79,075.00
1411120733	CROMBIE	<i>Starting at: INTERVALE AV Ending at: N WINOOSKI AV</i>	\$42,925.00
1411121043	GERMAIN	<i>Starting at: POMEROY Ending at: ARCHIBALD</i>	\$38,123.00
1411101314	PERU	<i>Starting at: MURRAY Ending at: N CHAMPLAIN</i>	\$59,335.00
1410280637	S UNION	<i>Starting at: CLIFF Ending at: SPRUCE</i>	\$24,025.00

Planned Repair Date: TBD			\$58,557,640.00
Repair Project: TBD			\$58,557,640.00
1411151109	COLCHESTER AV	Starting at: ACROSS CHASE Ending at: NASH PL	\$186,800.00
1411131252	COLCHESTER AV	Starting at: BARRETT Ending at: MILL	\$24,940.00
1411150824	COLCHESTER AV	Starting at: CALARCO CT Ending at: CHASE	\$58,700.00
1411151051	COLCHESTER AV	Starting at: CHASE Ending at: BARRETT	\$57,060.00
1411131304	COLCHESTER AV	Starting at: CITY LIMIT Ending at: RIVERSIDE AV	\$16,525.00
1411150752	COLCHESTER AV	Starting at: EAST AV Ending at: LATHAM CT	\$52,195.00
1411151149	COLCHESTER AV	Starting at: FLETCHER PL Ending at: MANSFIELD AV	\$55,700.00
1411150756	COLCHESTER AV	Starting at: LATHAM CT Ending at: THIBAUT PKWY	\$32,400.00
1411151154	COLCHESTER AV	Starting at: MANSFIELD AV Ending at: N PROSPECT	\$53,230.00
1411131255	COLCHESTER AV	Starting at: MILL Ending at: CITY LIMIT	\$11,600.00
1411151127	COLCHESTER AV	Starting at: NASH PL Ending at: EAST AV	\$105,585.00
1410281142	MAIN	Starting at: BATTERY Ending at: S CHAMPLAIN	\$49,668.00
1411150454	MAIN	Starting at: BEAUMONT AV Ending at: UNIVERSITY HTS	\$69,175.00
1410281229	MAIN	Starting at: CHURCH Ending at: S WINOOSKI AV	\$78,675.00
1411150614	MAIN	Starting at: EAST AV Ending at: EAST AV	\$42,125.00
1410281248	MAIN	Starting at: EDMUNDS ELEMENTARY Ending at: S WILLARD	\$84,725.00
1410281137	MAIN	Starting at: LAKE Ending at: BATTERY	\$34,820.00
1410281122	MAIN	Starting at: PINE Ending at: S CHAMPLAIN	\$59,900.00
1410281146	MAIN	Starting at: S CHAMPLAIN Ending at: PINE	\$86,250.00
1411150536	MAIN	Starting at: S PROSPECT Ending at: UNIVERSITY TERR	\$218,520.00
1410281012	MAIN	Starting at: S UNION Ending at: S WINOOSKI AV	\$123,612.00
1410281302	MAIN	Starting at: S WILLARD Ending at: SUMMIT	\$236,465.00
1410281408	MAIN	Starting at: S WILLIAMS Ending at: S WILLARD	\$67,925.00
1410281236	MAIN	Starting at: S WINOOSKI AV Ending at: S UNION	\$110,805.00
1410281309	MAIN	Starting at: SUMMIT Ending at: S PROSPECT	\$20,385.00
1411150507	MAIN	Starting at: UNIVERSITY HTS Ending at: UNIVERSITY TERR	\$363,078.00
1411150524	MAIN	Starting at: UNIVERSITY PL Ending at: S PROSPECT	\$45,440.00
1411150517	MAIN	Starting at: UNIVERSITY TERR Ending at: UNIVERSITY PL	\$314,021.00
1411130715	N WILLARD	Starting at: ADSIT CT Ending at: BROOKES AV	\$37,410.00
1411130639	N WILLARD	Starting at: ARCHIBALD Ending at: POMEROY	\$36,250.00
1411130721	N WILLARD	Starting at: BROOKES AV Ending at: LOOMIS	\$49,640.00
1411130646	N WILLARD	Starting at: CHARLES Ending at: NORTH ST	\$40,125.00
1411130728	N WILLARD	Starting at: HENRY Ending at: NORTH ST	\$19,175.00
1411130635	N WILLARD	Starting at: HYDE Ending at: ARCHIBALD	\$2,045.00
1411130702	N WILLARD	Starting at: LOOMIS Ending at: PEARL	\$111,100.00
1411130736	N WILLARD	Starting at: NORTH ST Ending at: POMEROY	\$117,600.00
1411130705	N WILLARD	Starting at: PEARL Ending at: ADSIT CT	\$18,920.00
1411130642	N WILLARD	Starting at: POMEROY Ending at: CHARLES	\$61,885.00
1411121106	N WINOOSKI AV	Starting at: ARCHIBALD Ending at: RIVERSIDE AV	\$143,200.00
1411121258	N WINOOSKI AV	Starting at: CROMBIE Ending at: NORTH ST	\$24,425.00
1411121254	N WINOOSKI AV	Starting at: DECATUR Ending at: CROMBIE	\$17,675.00
1411121314	N WINOOSKI AV	Starting at: GRANT Ending at: PEARL	\$196,490.00
1411111314	N WINOOSKI AV	Starting at: N UNION Ending at: ARCHIBALD	\$84,550.00
1411111306	N WINOOSKI AV	Starting at: NORTH ST Ending at: N UNION	\$118,225.00
1411121320	N WINOOSKI AV	Starting at: PEARL Ending at: GRANT	\$62,945.00

1411121122	N WINOOSKI AV	Starting at: RIVERSIDE AV	Ending at: ARCHIBALD	\$84,410.00
1411131236	RIVERSIDE AV	Starting at: 220 RIVERSIDE AV	Ending at: END OF SIDEWALK ON RIVERSIDE AV	\$411,960.00
1411131104	RIVERSIDE AV	Starting at: ACROSS HILLSIDE TERR	Ending at: INTERVALE RD	\$209,920.00
1410310900	RIVERSIDE AV	Starting at: BRIGHT	Ending at: N WINOOSKI AV	\$89,600.00
1411131320	RIVERSIDE AV	Starting at: COLCHESTER AV	Ending at: 220 RIVERSIDE AV	\$214,075.00
1411131121	RIVERSIDE AV	Starting at: HILLSIDE TERR	Ending at: HILLSIDE TERR	\$189,155.00
1410310911	RIVERSIDE AV	Starting at: HYDE	Ending at: INTERVALE AV	\$98,235.00
1410310853	RIVERSIDE AV	Starting at: INTERVALE AV	Ending at: BRIGHT	\$47,310.00
1411130626	RIVERSIDE AV	Starting at: INTERVALE RD	Ending at: N WINOOSKI AV	\$160,625.00
1411131117	RIVERSIDE AV	Starting at: N PROSPECT	Ending at: HILLSIDE TERR	\$109,830.00
1410290630	S WILLARD	Starting at: ACROSS TOWER TERR	Ending at: MAPLE	\$74,721.00
1410300616	S WILLARD	Starting at: BAYVIEW	Ending at: HOWARD	\$39,075.00
1410300633	S WILLARD	Starting at: BEECH	Ending at: SHELBURNE RD	\$89,275.00
1410290557	S WILLARD	Starting at: BRADLEY	Ending at: COLLEGE	\$21,075.00
1410290553	S WILLARD	Starting at: BUELL	Ending at: BRADLEY	\$7,625.00
1410300610	S WILLARD	Starting at: CLIFF	Ending at: BAYVIEW	\$30,660.00
1410281430	S WILLARD	Starting at: COLLEGE	Ending at: PEARL	\$214,395.00
1410290948	S WILLARD	Starting at: DEFOREST RD	Ending at: CLIFF	\$10,460.00
1410300621	S WILLARD	Starting at: HOWARD	Ending at: BEECH	\$39,613.00
1410290647	S WILLARD	Starting at: JACKSON CT	Ending at: MAIN	\$64,000.00
1410230740	S WILLARD	Starting at: LEDGE RD	Ending at: 600 S WILLARD	\$35,245.00
1410290611	S WILLARD	Starting at: MAIN	Ending at: MAPLE	\$117,270.00
1410290620	S WILLARD	Starting at: MAPLE	Ending at: TOWER TERR	\$95,690.00
1410290549	S WILLARD	Starting at: PEARL	Ending at: BUELL	\$37,950.00
1410300606	S WILLARD	Starting at: SPRUCE	Ending at: CLIFF	\$16,585.00
1410300602	S WILLARD	Starting at: TOWER TERR	Ending at: SPRUCE	\$23,200.00
1410261140	S WINOOSKI AV	Starting at: ADAMS	Ending at: MAPLE	\$107,690.00
1410271107	S WINOOSKI AV	Starting at: BANK	Ending at: COLLEGE	\$63,753.00
1410270743	S WINOOSKI AV	Starting at: BUELL	Ending at: PEARL	\$53,175.00
1410271102	S WINOOSKI AV	Starting at: CHERRY	Ending at: BANK	\$105,900.00
1410270613	S WINOOSKI AV	Starting at: COLLEGE	Ending at: BUELL	\$87,710.00
1410271427	S WINOOSKI AV	Starting at: ELM TERR	Ending at: SPRUCE	\$17,325.00
1410271333	S WINOOSKI AV	Starting at: KING	Ending at: MAPLE	\$31,400.00
1410270606	S WINOOSKI AV	Starting at: MAIN	Ending at: COLLEGE	\$57,600.00
1410261144	S WINOOSKI AV	Starting at: MAPLE	Ending at: KING	\$80,890.00
1410270756	S WINOOSKI AV	Starting at: PEARL	Ending at: CHERRY	\$64,704.00
1410280551	S WINOOSKI AV	Starting at: SPRUCE	Ending at: ST PAUL	\$182,270.00
1410261125	S WINOOSKI AV	Starting at: ST PAUL	Ending at: SPRUCE	\$120,080.00
1410230734	SHELBURNE RD	Starting at: ADAMS CT	Ending at: LEDGE RD	\$70,840.00
1410230708	SHELBURNE RD	Starting at: ALFRED	Ending at: HOOVER	\$65,940.00
1410241232	SHELBURNE RD	Starting at: BIRCHCLIFF PKWY	Ending at: FLYNN AV	\$94,605.00
1410230615	SHELBURNE RD	Starting at: CLYMER	Ending at: ALFRED	\$58,400.00
1410211226	SHELBURNE RD	Starting at: FERGUSON AV	Ending at: LYMAN AV	\$13,725.00
1410230544	SHELBURNE RD	Starting at: FLYNN AV	Ending at: PROSPECT PKWY	\$129,925.00
1410241217	SHELBURNE RD	Starting at: GOVE CT	Ending at: BIRCHCLIFF PKWY	\$182,625.00
1410211243	SHELBURNE RD	Starting at: HOME AV	Ending at: SHELBURNE ROAD SHOPPING PLAZA	\$34,195.00
1410230713	SHELBURNE RD	Starting at: HOOVER	Ending at: ADAMS CT	\$50,000.00
1410230749	SHELBURNE RD	Starting at: LOCUST	Ending at: S UNION	\$109,465.00

1410211231	SHELBURNE RD	Starting at: LYMAN AV	Ending at: SCARFF AV	\$8,000.00
1410241110	SHELBURNE RD	Starting at: MARIAN	Ending at: LOCUST	\$51,600.00
1410230554	SHELBURNE RD	Starting at: PROSPECT PKWY	Ending at: CLYMER	\$54,100.00
1410211236	SHELBURNE RD	Starting at: SCARFF AV	Ending at: HOME AV	\$30,155.00
1410211301	SHELBURNE RD	Starting at: SHELBURNE ROAD	Ending at: ROUTE 189 S	\$110,710.00
1410240715	SHELBURNE RD	Starting at: ST PAUL	Ending at: MARIAN	\$18,870.00
1410260744	ST PAUL	Starting at: 230 ST PAUL	Ending at: MAPLE	\$39,500.00
1410260737	ST PAUL	Starting at: ADAMS	Ending at: 230 ST PAUL	\$14,240.00
1410260815	ST PAUL	Starting at: BANK	Ending at: COLLEGE	\$68,770.00
1410261100	ST PAUL	Starting at: CATHERINE	Ending at: SHELBURNE RD	\$52,375.00
1410270818	ST PAUL	Starting at: CHERRY	Ending at: PEARL	\$55,680.00
1410261012	ST PAUL	Starting at: COLLEGE	Ending at: MAIN	\$129,900.00
1410261053	ST PAUL	Starting at: HOWARD	Ending at: CATHERINE	\$13,560.00
1410261038	ST PAUL	Starting at: KILBURN	Ending at: PINE PL	\$14,000.00
1410260805	ST PAUL	Starting at: MAIN	Ending at: COLLEGE	\$70,400.00
1410261033	ST PAUL	Starting at: MAPLE	Ending at: KILBURN	\$77,325.00
1410251348	ST PAUL	Starting at: MARBLE AV	Ending at: HOWARD	\$57,625.00
1410270827	ST PAUL	Starting at: PEARL	Ending at: CHERRY	\$41,600.00
1410261043	ST PAUL	Starting at: PINE PL	Ending at: MARBLE AV	\$1,600.00
1410260733	ST PAUL	Starting at: SPRUCE	Ending at: ADAMS	\$56,275.00
1411100747	BATTERY	Starting at: CHERRY	Ending at: PEARL	\$50,150.00
1411100954	BATTERY	Starting at: COLLEGE	Ending at: MAIN	\$209,350.00
1411100719	BATTERY	Starting at: KING	Ending at: MAPLE	\$89,805.00
1411100714	BATTERY	Starting at: MAIN	Ending at: KING	\$95,435.00
1411100724	BATTERY	Starting at: MAPLE	Ending at: KING	\$30,535.00
1411150707	EAST AV	Starting at: BILODEAU CT	Ending at: CASE PKWY	\$16,760.00
1411150438	EAST AV	Starting at: CARRIGAN DR	Ending at: MAIN	\$119,050.00
1411150722	EAST AV	Starting at: CASE PKWY	Ending at: UNIVERSITY RD	\$38,700.00
1411150623	EAST AV	Starting at: CITY LIMIT	Ending at: CARRIGAN DR	\$40,550.00
1411151216	EAST AV	Starting at: COLCHESTER AV	Ending at: ACROSS 18 EAST AV	\$8,560.00
1411150647	EAST AV	Starting at: EAST VILLAGE DR	Ending at: BILODEAU CT	\$13,920.00
1411150729	EAST AV	Starting at: UNIVERSITY RD	Ending at: COLCHESTER AV	\$52,350.00
1411151033	GROVE	Starting at: 100 GROVE	Ending at: ACROSS SCHMANSKA PARK	\$57,090.00
1411150844	GROVE	Starting at: 63 GROVE	Ending at: SCHMANSKA PARK	\$87,810.00
1411150841	GROVE	Starting at: CHASE	Ending at: 63 GROVE	\$68,105.00
1411151028	GROVE	Starting at: CITY LIMIT	Ending at: 100 GROVE	\$115,460.00
1411100703	LAKE	Starting at: 125 BATTERY	Ending at: COLLEGE	\$18,720.00
1411100638	LAKE	Starting at: COLLEGE	Ending at: PENNY LN	\$251,215.00
1411100648	LAKE	Starting at: PENNY LN	Ending at: LAKE END	\$55,855.00
1410241252	LEDGE RD	Starting at: ACROSS HILLCREST RD	Ending at: EDGEWOOD LN	\$10,025.00
1410241307	LEDGE RD	Starting at: EDGEWOOD LN	Ending at: IRANISTAN RD	\$65,370.00
1410241337	LEDGE RD	Starting at: HILLCREST RD	Ending at: PROSPECT PKWY	\$61,200.00
1410241322	LEDGE RD	Starting at: IRANISTAN RD	Ending at: S WILLARD	\$85,060.00
1411120530	MANHATTAN DR	Starting at: PITKIN	Ending at: PARK	\$17,725.00
1410310602	MANHATTAN DR	Starting at: ST LOUIS	Ending at: ST MARYS	\$33,800.00
1410310607	MANHATTAN DR	Starting at: ST MARYS	Ending at: INTERVALE AV	\$28,400.00
1411120525	MANHATTAN DR	Starting at: VOLZ	Ending at: WARD	\$30,060.00
1410310559	MANHATTAN DR	Starting at: WALNUT	Ending at: ST LOUIS	\$32,000.00

1411120527	MANHATTAN DR	Starting at: WARD Ending at: PITKIN	\$4,468.00
1411120518	MANHATTAN DR	Starting at: WASHINGTON Ending at: VOLZ	\$7,004.00
1411130853	MANSFIELD AV	Starting at: ACROSS LOOMIS Ending at: NORTH ST	\$70,775.00
1411130848	MANSFIELD AV	Starting at: COLCHESTER AV Ending at: ACROSS LOOMIS	\$73,975.00
1411130909	MANSFIELD AV	Starting at: LOOMIS Ending at: COLCHESTER AV	\$85,900.00
1411130857	MANSFIELD AV	Starting at: NORTH ST Ending at: WILSON	\$6,000.00
1411130859	MANSFIELD AV	Starting at: WILSON Ending at: LOOMIS	\$29,600.00
1411130824	N PROSPECT	Starting at: BROOKES AV Ending at: COLCHESTER AV	\$38,375.00
1411130533	N PROSPECT	Starting at: COLCHESTER AV Ending at: LOOMIS	\$77,765.00
1411130808	N PROSPECT	Starting at: COLONIAL SQ Ending at: NORTH ST	\$45,675.00
1411130814	N PROSPECT	Starting at: HENRY Ending at: LOOMIS	\$25,600.00
1411130536	N PROSPECT	Starting at: LOOMIS Ending at: WILSON	\$34,210.00
1411130542	N PROSPECT	Starting at: NORTH ST Ending at: PROSPECT HILL	\$40,950.00
1411130606	N PROSPECT	Starting at: PROSPECT HILL Ending at: RIVERSIDE AV	\$141,235.00
1411130539	N PROSPECT	Starting at: WILSON Ending at: NORTH ST	\$25,305.00
1411140526	NORTH AV	Starting at: HASWELL Ending at: LAKEVIEW TERR	\$9,450.00
1411111021	NORTH ST	Starting at: BLODGETT Ending at: DREW	\$1,920.00
1411111142	NORTH ST	Starting at: BOOTH Ending at: N WILLARD	\$9,000.00
1411111024	NORTH ST	Starting at: DREW Ending at: NORTH AV	\$42,066.00
1411111126	NORTH ST	Starting at: ELMWOOD AV Ending at: N WINOOSKI AV	\$97,699.00
1411111102	NORTH ST	Starting at: FRONT Ending at: PARK	\$15,200.00
1411111221	NORTH ST	Starting at: HIGH GROVE CT Ending at: N WILLARD	\$53,840.00
1411111232	NORTH ST	Starting at: HYDE Ending at: N UNION	\$27,840.00
1411110855	NORTH ST	Starting at: LAFOUNTAIN Ending at: ROSE	\$30,464.00
1411111119	NORTH ST	Starting at: MURRAY Ending at: ELMWOOD AV	\$57,285.00
1411111015	NORTH ST	Starting at: N CHAMPLAIN Ending at: PARK	\$87,385.00
1411111200	NORTH ST	Starting at: N PROSPECT Ending at: MANSFIELD AV	\$103,180.00
1411111136	NORTH ST	Starting at: N UNION Ending at: SCHOOL	\$56,565.00
1411111224	NORTH ST	Starting at: N WILLARD Ending at: RUSSELL	\$152,500.00
1411111132	NORTH ST	Starting at: N WINOOSKI AV Ending at: N UNION	\$153,108.00
1411111033	NORTH ST	Starting at: NORTH AV Ending at: FRONT	\$33,325.00
1411111018	NORTH ST	Starting at: PARK Ending at: PITKIN	\$49,169.00
1411111020	NORTH ST	Starting at: PITKIN Ending at: BLODGETT	\$4,480.00
1411110900	NORTH ST	Starting at: ROSE Ending at: N CHAMPLAIN	\$27,570.00
1411111228	NORTH ST	Starting at: RUSSELL Ending at: SCHOOL	\$32,125.00
1411111229	NORTH ST	Starting at: SCHOOL Ending at: HYDE	\$31,260.00
1410310632	OAK	Starting at: INTERVALE AV Ending at: ST MARYS	\$25,720.00
1410310739	OAK	Starting at: MANHATTAN DR Ending at: WALNUT	\$29,750.00
1410310653	OAK	Starting at: ST LOUIS Ending at: WALNUT	\$7,325.00
1410310640	OAK	Starting at: ST MARYS Ending at: ST LOUIS	\$21,420.00
1410310705	OAK	Starting at: WALNUT Ending at: MANHATTAN DR	\$35,700.00
1411100919	PARK	Starting at: MANHATTAN DR Ending at: NORTH ST	\$48,500.00
1411100805	PARK	Starting at: MONROE Ending at: SHERMAN	\$19,440.00
1411100852	PARK	Starting at: MYRTLE Ending at: POPLAR	\$44,500.00
1411100923	PARK	Starting at: NORTH ST Ending at: SUMMER	\$37,725.00
1411100752	PARK	Starting at: PEARL Ending at: MONROE	\$403,005.00
1411100907	PARK	Starting at: POPLAR Ending at: MANHATTAN DR	\$41,060.00
1411100935	PARK	Starting at: SHERMAN Ending at: PEARL	\$134,820.00

1411100929	PARK	Starting at: SUMMER Ending at: SHERMAN	\$51,050.00
1410300718	PEARL	Starting at: ACROSS N CHAMPLAIN Ending at: PINE	\$52,480.00
1410300711	PEARL	Starting at: BATTERY Ending at: ACROSS N CHAMPLAIN	\$26,525.00
1410300731	PEARL	Starting at: CHURCH Ending at: S WINOOSKI AV	\$59,600.00
1410301150	PEARL	Starting at: CLARKE Ending at: ELMWOOD AV	\$24,320.00
1410301154	PEARL	Starting at: ELMWOOD AV Ending at: GEORGE	\$48,705.00
1410301201	PEARL	Starting at: GEORGE Ending at: N CHAMPLAIN	\$60,978.00
1410300926	PEARL	Starting at: GREENE Ending at: S UNION	\$37,450.00
1410300810	PEARL	Starting at: HANDY CT Ending at: N WILLIAMS	\$39,305.00
1410300746	PEARL	Starting at: HUNGERFORD TERR Ending at: S WILLARD	\$33,460.00
1410301105	PEARL	Starting at: LAFAYETTE PL Ending at: N WINOOSKI AV	\$29,600.00
1410300805	PEARL	Starting at: N PROSPECT Ending at: HANDY CT	\$22,000.00
1410300859	PEARL	Starting at: N WILLARD Ending at: GREENE	\$49,975.00
1410300854	PEARL	Starting at: N WILLIAMS Ending at: N WILLARD	\$57,520.00
1410301109	PEARL	Starting at: N WINOOSKI AV Ending at: CLARKE	\$26,880.00
1410300737	PEARL	Starting at: ORCHARD TERR Ending at: S UNION	\$10,800.00
1410300722	PEARL	Starting at: PINE Ending at: ST PAUL	\$41,120.00
1410301052	PEARL	Starting at: S UNION Ending at: LAFAYETTE PL	\$68,925.00
1410300753	PEARL	Starting at: S WILLARD Ending at: S WILLIAMS	\$76,780.00
1410300800	PEARL	Starting at: S WILLIAMS Ending at: S PROSPECT	\$58,000.00
1410300734	PEARL	Starting at: S WINOOSKI AV Ending at: ORCHARD TERR	\$13,200.00
1410300727	PEARL	Starting at: ST PAUL Ending at: CHURCH	\$73,600.00
1410201211	PINE	Starting at: ACROSS 1149 PINE Ending at: BAIRD	\$60,660.00
1410221425	PINE	Starting at: ACROSS BIRCHCLIFF PKWY Ending at: SEARS LN	\$16,125.00
1410250748	PINE	Starting at: BANK Ending at: COLLEGE	\$97,370.00
1410251041	PINE	Starting at: COLLEGE Ending at: MAIN	\$101,320.00
1410211132	PINE	Starting at: FERGUSON AV Ending at: LYMAN AV	\$16,880.00
1410211353	PINE	Starting at: FLYNN AV Ending at: FERGUSON AV	\$223,680.00
1410210634	PINE	Starting at: HOME AV Ending at: MORSE PL	\$85,090.00
1410221422	PINE	Starting at: LAKESIDE AV Ending at: ACROSS BIRCHCLIFF PKWY	\$103,075.00
1410210827	PINE	Starting at: LYMAN AV Ending at: FERGUSON AV	\$12,900.00
1410250649	PINE	Starting at: MAIN Ending at: COLLEGE	\$40,650.00
1410210637	PINE	Starting at: MORSE PL Ending at: LYMAN AV	\$13,440.00
1410270845	PINE	Starting at: PEARL Ending at: CHERRY	\$45,965.00
1410201322	PINE	Starting at: S MEADOW DR Ending at: HOME AV	\$45,520.00
1410221435	PINE	Starting at: SEARS LN Ending at: FLYNN AV	\$82,000.00
1411200953	PLATTSBURG AV	Starting at: BARLEY RD Ending at: NORTH AV	\$48,400.00
1411200903	PLATTSBURG AV	Starting at: RIVER'S EDGE DR Ending at: TURF RD	\$48,635.00
1411200949	PLATTSBURG AV	Starting at: TURF RD Ending at: BARLEY RD	\$87,510.00
1410291215	S PROSPECT	Starting at: ACROSS 487 S PROSPECT Ending at: ACROSS CLIFF	\$78,025.00
1410291224	S PROSPECT	Starting at: ACROSS CLIFF Ending at: HENDERSON TERR	\$35,550.00
1410291418	S PROSPECT	Starting at: ACROSS HENDERSON TERR Ending at: CLIFF	\$42,725.00
1410291204	S PROSPECT	Starting at: BURLINGTON COUNTRY Ending at: 487 S PROSPECT	\$110,920.00
1410291427	S PROSPECT	Starting at: CLIFF Ending at: 465 S PROSPECT	\$99,120.00
1410291350	S PROSPECT	Starting at: COLLEGE Ending at: MAIN	\$22,860.00
1410241353	S PROSPECT	Starting at: CRESCENT RD Ending at: PROSPECT PKWY	\$28,900.00
1410291242	S PROSPECT	Starting at: HENDERSON TERR Ending at: ROBINSON PKWY	\$26,925.00
1410291155	S PROSPECT	Starting at: LEDGE RD Ending at: BURLINGTON COUNTRY CLUB	\$78,952.50

1410291401	S PROSPECT	Starting at: MAIN Ending at: MAPLE	\$35,550.00
1410291409	S PROSPECT	Starting at: MAPLE Ending at: ACROSS HENDERSON TERR	\$55,200.00
1410291344	S PROSPECT	Starting at: PEARL Ending at: COLLEGE	\$112,250.00
1410291255	S PROSPECT	Starting at: ROBINSON PKWY Ending at: ROBINSON PKWY	\$115,225.00
1411140545	SHERMAN	Starting at: PARK Ending at: NORTH AV	\$26,635.00
1411140541	SHERMAN	Starting at: SHERMAN ST END Ending at: PARK	\$45,372.00
1410271357	ADAMS	Starting at: ACROSS CHURCH Ending at: S WINOOSKI AV	\$65,725.00
1410271351	ADAMS	Starting at: CHURCH Ending at: ST PAUL	\$57,945.00
1410271409	ADAMS	Starting at: S UNION Ending at: S WINOOSKI AV	\$68,270.00
1410271403	ADAMS	Starting at: S WINOOSKI AV Ending at: S UNION	\$125,845.00
1410230728	ADAMS CT	Starting at: 29 ADAMS CT Ending at: SHELBURNE RD	\$41,248.00
1410230721	ADAMS CT	Starting at: 35 ADAMS CT Ending at: ADAMS CT END	\$34,340.00
1410230719	ADAMS CT	Starting at: SHELBURNE RD Ending at: 35 ADAMS CT	\$29,343.00
1411130712	ADSIT CT	Starting at: ADSIT CT END Ending at: N WILLARD	\$27,595.00
1411130708	ADSIT CT	Starting at: N WILLARD Ending at: ADSIT CT END	\$31,501.00
1410221116	ALDER LN	Starting at: BIRCHCLIFF PKWY Ending at: CHERRY LN	\$123,210.00
1410220922	ALDER LN	Starting at: CHERRY LN Ending at: BIRCHCLIFF PKWY	\$142,925.00
1411190851	ALEXIS DR	Starting at: STIRLING PL Ending at: APPLETREE PT RD	\$96,525.00
1410230702	ALFRED	Starting at: PERROTTA PL Ending at: SHELBURNE RD	\$49,485.00
1410230619	ALFRED	Starting at: SHELBURNE RD Ending at: PERROTTA PL	\$45,799.00
1411101257	ALLEN	Starting at: ELMWOOD AV Ending at: MURRAY	\$57,200.00
1411101251	ALLEN	Starting at: MURRAY Ending at: ELMWOOD AV	\$73,600.00
1411161226	APPLETREE PT RD	Starting at: CUMBERLAND RD Ending at: MUIRFIELD RD	\$157,850.00
1411161229	APPLETREE PT RD	Starting at: MUIRFIELD RD Ending at: WESTMINSTER DR	\$31,385.00
1411161212	APPLETREE PT RD	Starting at: STANIFORD RD Ending at: CUMBERLAND RD	\$158,400.00
1411161234	APPLETREE PT RD	Starting at: WESTMINSTER DR Ending at: NOTTINGHAM LN	\$18,950.00
1411121048	ARCHIBALD	Starting at: ACROSS GERMAIN ST Ending at: N WILLARD	\$4,480.00
1411121143	ARCHIBALD	Starting at: BRIGHT Ending at: INTERVALE AV	\$46,400.00
1411121045	ARCHIBALD	Starting at: GERMAIN Ending at: 207 ARCHIBALD	\$8,925.00
1411121058	ARCHIBALD	Starting at: HYDE Ending at: N WINOOSKI AV	\$15,355.00
1411121146	ARCHIBALD	Starting at: INTERVALE AV Ending at: ST LOUIS	\$133,420.00
1411121050	ARCHIBALD	Starting at: N WILLARD Ending at: HYDE	\$21,424.00
1411120844	ARCHIBALD	Starting at: N WINOOSKI AV Ending at: HYDE	\$17,165.00
1411120824	ARCHIBALD	Starting at: SPRING Ending at: WALNUT	\$4,872.00
1411121149	ARCHIBALD	Starting at: ST LOUIS Ending at: WALNUT	\$23,920.00
1411121151	ARCHIBALD	Starting at: WALNUT Ending at: SPRING	\$25,020.00
1411170820	ARLINGTON CT	Starting at: 48 ARLINGTON CT Ending at: HEINEBERG RD	\$31,980.00
1411170811	ARLINGTON CT	Starting at: HEINEBERG RD Ending at: HEINEBERG RD	\$98,350.00
1411100547	ARTHUR CT	Starting at: QUEEN CITY PARK RD Ending at: 14 ARTHUR CT	\$21,726.00
1411190522	BALSAM	Starting at: BRIERWOOD LN Ending at: SHORE RD	\$17,410.00
1411190526	BALSAM	Starting at: SHORE RD Ending at: BRIERWOOD LN	\$38,000.00
1410250742	BANK	Starting at: ACROSS ST PAUL Ending at: PINE	\$23,760.00
1410250720	BANK	Starting at: CENTER Ending at: S WINOOSKI AV	\$16,320.00
1410250708	BANK	Starting at: CHURCH Ending at: CENTER	\$202,680.00
1410250659	BANK	Starting at: PINE Ending at: ST PAUL	\$8,800.00
1410250731	BANK	Starting at: S WINOOSKI AV Ending at: CHURCH	\$70,650.00
1410250704	BANK	Starting at: ST PAUL Ending at: CHURCH	\$103,680.00
1411200937	BARLEY RD	Starting at: CLOVER LN Ending at: TURF RD	\$40,485.00

1411200914	BARLEY RD	Starting at: NORTH AV	Ending at: TURF RD	\$38,320.00
1411200920	BARLEY RD	Starting at: TURF RD	Ending at: PLATTSBURG AV	\$87,325.00
1411150908	BARRETT	Starting at: CHASE	Ending at: COLCHESTER AV	\$36,950.00
1411131248	BARRETT	Starting at: RIVERSIDE AV	Ending at: COLCHESTER AV	\$8,765.00
1410230845	BAYVIEW	Starting at: S UNION	Ending at: S WILLARD	\$120,500.00
1410240523	BAYVIEW	Starting at: S WILLARD	Ending at: S UNION	\$114,425.00
1411160731	BEACHCREST DR	Starting at: BEACHCREST DR END	Ending at: OAKCREST DR	\$81,675.00
1411160724	BEACHCREST DR	Starting at: LAKEWOOD PKWY	Ending at: BEACHCREST DR END	\$21,600.00
1411160824	BEACHCREST DR	Starting at: OAKCREST DR	Ending at: LAKEWOOD PKWY	\$30,750.00
1410230800	BEECH	Starting at: S UNION	Ending at: S WILLARD	\$50,800.00
1410230806	BEECH	Starting at: S WILLARD	Ending at: S UNION	\$50,900.00
1411191201	BENNINGTON CT	Starting at: BENNINGTON CT END	Ending at: SARATOGA AV	\$23,885.00
1411191159	BENNINGTON CT	Starting at: SARATOGA AV	Ending at: BENNINGTON CT END	\$26,680.00
1411210609	BILLINGS CT	Starting at: VAN PATTEN PKWY	Ending at: BILLINGS CT END	\$38,525.00
1411150650	BILODEAU CT	Starting at: 31 BILODEAU CT	Ending at: BILODEAU PKWY	\$12,250.00
1411150704	BILODEAU CT	Starting at: BILODEAU CT END	Ending at: EAST AV	\$63,252.00
1411150655	BILODEAU PKWY	Starting at: BILODEAU CT	Ending at: BILODEAU CT	\$29,071.00
1411151256	BIRCH CT	Starting at: BIRCH CT END	Ending at: NORTH AV	\$200,990.00
1411160801	BIRCHWOOD LN	Starting at: LAKEWOOD PKWY	Ending at: WOODRIDGE DR	\$39,700.00
1411160756	BIRCHWOOD LN	Starting at: WOODRIDGE DR	Ending at: LAKEWOOD PKWY	\$42,250.00
1410220910	BITTERSWEET LN	Starting at: BIRCHCLIFF PKWY	Ending at: CHERRY LN	\$150,795.00
1410220859	BITTERSWEET LN	Starting at: CHERRY LN	Ending at: BIRCHCLIFF PKWY	\$139,205.00
1411140629	BLODGETT	Starting at: NORTH ST	Ending at: STRONG	\$48,400.00
1411140703	BLODGETT	Starting at: STRONG	Ending at: WARD	\$44,600.00
1411140728	BLODGETT	Starting at: WARD	Ending at: STRONG	\$19,850.00
1411110733	BOOTH	Starting at: NORTH ST	Ending at: LOOMIS	\$26,800.00
1410280742	BRADLEY	Starting at: HUNGERFORD TERR	Ending at: S WILLARD	\$125,295.00
1410280737	BRADLEY	Starting at: S UNION	Ending at: HUNGERFORD TERR	\$73,835.00
1410280747	BRADLEY	Starting at: S WILLARD	Ending at: HUNGERFORD TERR	\$46,230.00
1411191242	BRANDYWINE	Starting at: SARATOGA AV	Ending at: VILLAGE GREEN	\$20,925.00
1411190532	BRIERWOOD LN	Starting at: BALSAM	Ending at: FERN	\$29,900.00
1411190507	BRIERWOOD LN	Starting at: DALE RD	Ending at: VINE	\$26,000.00
1411190505	BRIERWOOD LN	Starting at: FERN	Ending at: DALE RD	\$75,580.00
1411190518	BRIERWOOD LN	Starting at: VINE	Ending at: BALSAM	\$27,050.00
1411121130	BRIGHT	Starting at: ARCHIBALD	Ending at: RIVERSIDE AV	\$58,300.00
1411121136	BRIGHT	Starting at: RIVERSIDE AV	Ending at: ARCHIBALD	\$46,385.00
1411210550	BROOK DR	Starting at: 142 BROOK DR	Ending at: VAN PATTEN PKWY	\$28,800.00
1411210547	BROOK DR	Starting at: 56 BROOK DR	Ending at: FOILAGE ON BROOK DR	\$62,025.00
1411210536	BROOK DR	Starting at: 89 BROOK DR	Ending at: VAN PATTEN PKWY	\$80,150.00
1411210557	BROOK DR	Starting at: VAN PATTEN PKWY	Ending at: 89 BROOK DR	\$133,275.00
1410300837	BROOKES AV	Starting at: N PROSPECT	Ending at: N WILLARD	\$166,650.00
1410300842	BROOKES AV	Starting at: N WILLARD	Ending at: N WILLIAMS	\$54,735.00
1410300824	BROOKES AV	Starting at: N WILLIAMS	Ending at: N PROSPECT	\$81,695.00
1410271300	BROWNS CT	Starting at: BROWNS CT END	Ending at: KING	\$1,420.00
1410270655	BUELL	Starting at: HUNGERFORD TERR	Ending at: S WILLARD	\$97,150.00
1410270737	BUELL	Starting at: ORCHARD TERR	Ending at: S WINOOSKI AV	\$40,840.00
1410270721	BUELL	Starting at: S UNION	Ending at: ORCHARD TERR	\$93,470.00
1410270659	BUELL	Starting at: S WILLARD	Ending at: HUNGERFORD TERR	\$37,200.00

1410270618	BUELL	Starting at: S WINOOSKI AV	Ending at: ORCHARD TERR	\$34,775.00
1411140447	CANFIELD	Starting at: LAKEVIEW TERR	Ending at: NORTH AV	\$4,950.00
1411140450	CANFIELD	Starting at: NORTH AV	Ending at: LAKEVIEW TERR	\$7,725.00
1410240905	CAROLINE	Starting at: CATHERINE	Ending at: LOCUST	\$119,085.00
1410240809	CAROLINE	Starting at: HOWARD	Ending at: CATHERINE	\$24,525.00
1410240910	CAROLINE	Starting at: LOCUST	Ending at: MARGARET	\$43,410.00
1410240748	CAROLINE	Starting at: MARGARET	Ending at: CATHERINE	\$72,560.00
1411150718	CASE PKWY	Starting at: EAST AV	Ending at: EAST AV	\$103,002.00
1410240754	CATHERINE	Starting at: CAROLINE	Ending at: ST PAUL	\$113,880.00
1410240853	CATHERINE	Starting at: CHARLOTTE	Ending at: CAROLINE	\$34,270.00
1410240820	CATHERINE	Starting at: LOCUST TERR	Ending at: CHARLOTTE	\$9,350.00
1410240801	CATHERINE	Starting at: ST PAUL	Ending at: CAROLINE	\$53,000.00
1411141145	CAYUGA CT	Starting at: 120 CAYUGA CT	Ending at: NORTH AV	\$61,520.00
1411141129	CAYUGA CT	Starting at: NORTH AV	Ending at: DORSET LN	\$107,505.00
1411120630	CEDAR	Starting at: ELMWOOD AV	Ending at: LAFOUNTAIN	\$30,125.00
1411120650	CEDAR	Starting at: LAFOUNTAIN	Ending at: ROSE	\$83,955.00
1411120600	CEDAR	Starting at: N CHAMPLAIN	Ending at: ROSE	\$18,640.00
1411120557	CEDAR	Starting at: ROSE	Ending at: N CHAMPLAIN	\$33,285.00
1410250718	CENTER	Starting at: COLLEGE	Ending at: BANK	\$67,550.00
1410221355	CENTRAL AV	Starting at: CENTRAL AV	Ending at: WRIGHT AV	\$57,525.00
1410221314	CENTRAL AV	Starting at: WRIGHT AV	Ending at: LAKESIDE AV	\$91,725.00
1411180722	CHARITY	Starting at: CHARITY	Ending at: GAZO AV	\$62,325.00
1411180728	CHARITY	Starting at: GAZO AV	Ending at: RANDY LN	\$57,455.00
1411110721	CHARLES	Starting at: N WILLARD	Ending at: RUSSELL	\$10,320.00
1411110717	CHARLES	Starting at: RUSSELL	Ending at: N WILLARD	\$19,445.00
1410240835	CHARLOTTE	Starting at: CATHERINE	Ending at: LOCUST	\$78,300.00
1410240849	CHARLOTTE	Starting at: LOCUST	Ending at: CATHERINE	\$103,450.00
1411150903	CHASE	Starting at: 92 CHASE	Ending at: BARRETT	\$54,485.00
1411151047	CHASE	Starting at: BARRETT	Ending at: COLCHESTER AV	\$82,755.00
1411150857	CHASE	Starting at: CHASE END	Ending at: 92 CHASE	\$8,960.00
1411150829	CHASE	Starting at: CHASE LN	Ending at: RUMSEY LN	\$21,760.00
1411150827	CHASE	Starting at: COLCHESTER AV	Ending at: CHASE LN	\$33,600.00
1411150855	CHASE	Starting at: GROVE	Ending at: CHASE END	\$52,250.00
1411150834	CHASE	Starting at: RUMSEY LN	Ending at: GROVE	\$37,985.00
1410221118	CHERRY LN	Starting at: ALDER LN	Ending at: LINDEN TERR	\$35,725.00
1410220850	CHERRY LN	Starting at: BIRCHCLIFF PKWY	Ending at: BITTERSWEET LN	\$119,995.00
1410220912	CHERRY LN	Starting at: BITTERSWEET LN	Ending at: ALDER LN	\$37,200.00
1410220839	CHERRY LN	Starting at: LINDEN TERR	Ending at: BIRCHCLIFF PKWY	\$241,650.00
1410281046	CHURCH	Starting at: 1 CHURCH	Ending at: PEARL	\$40,920.00
1410281104	CHURCH	Starting at: BANK	Ending at: COLLEGE	\$173,640.00
1410281059	CHURCH	Starting at: CHERRY	Ending at: BANK	\$192,655.00
1410281108	CHURCH	Starting at: COLLEGE	Ending at: MAIN	\$177,830.00
1410281203	CHURCH	Starting at: KING	Ending at: MAPLE	\$91,975.00
1410281159	CHURCH	Starting at: MAIN	Ending at: KING	\$142,800.00
1410281221	CHURCH	Starting at: MAPLE	Ending at: KING	\$101,785.00
1410281054	CHURCH	Starting at: PEARL	Ending at: CHERRY	\$141,555.00
1410301147	CLARKE	Starting at: GRANT	Ending at: PEARL	\$31,325.00
1410301117	CLARKE	Starting at: PEARL	Ending at: GRANT	\$70,950.00

1410280622	CLIFF	Starting at: S UNION	Ending at: S WILLARD	\$107,613.00
1410280632	CLIFF	Starting at: S WILLARD	Ending at: S UNION	\$145,525.00
1411200929	CLOVER LN	Starting at: BARLEY RD	Ending at: TURF RD	\$42,925.00
1411200933	CLOVER LN	Starting at: TURF RD	Ending at: BARLEY RD	\$32,325.00
1410230610	CLYMER	Starting at: CLYMER END	Ending at: SHELBURNE RD	\$77,025.00
1410230602	CLYMER	Starting at: SHELBURNE RD	Ending at: CLYMER END	\$108,250.00
1410250832	COLLEGE	Starting at: BATTERY	Ending at: S CHAMPLAIN	\$96,481.00
1410261003	COLLEGE	Starting at: CENTER	Ending at: CHURCH	\$90,120.00
1410261007	COLLEGE	Starting at: CHURCH	Ending at: ST PAUL	\$231,700.00
1410250823	COLLEGE	Starting at: COLLEGE END	Ending at: LAKE	\$107,545.00
1410260943	COLLEGE	Starting at: HUNGERFORD TERR	Ending at: S UNION	\$52,805.00
1410250815	COLLEGE	Starting at: LAKE	Ending at: COLLEGE END	\$129,440.00
1410250841	COLLEGE	Starting at: PINE	Ending at: ST PAUL	\$219,195.00
1410250837	COLLEGE	Starting at: S CHAMPLAIN	Ending at: PINE	\$28,925.00
1410260923	COLLEGE	Starting at: S PROSPECT	Ending at: S WILLIAMS	\$59,625.00
1410260953	COLLEGE	Starting at: S UNION	Ending at: S WINOOSKI AV	\$206,785.00
1410260902	COLLEGE	Starting at: S WILLARD	Ending at: S WILLIAMS	\$124,110.00
1410260931	COLLEGE	Starting at: S WILLIAMS	Ending at: S WILLARD	\$128,775.00
1410260837	COLLEGE	Starting at: S WINOOSKI AV	Ending at: S UNION	\$103,934.00
1410250846	COLLEGE	Starting at: ST PAUL	Ending at: PINE	\$188,270.00
1411130756	COLONIAL SQ	Starting at: N PROSPECT	Ending at: COLONIAL SQ END	\$30,992.00
1411130801	COLONIAL SQ	Starting at: POMEROY	Ending at: N PROSPECT	\$42,275.00
1410221351	CONGER AV	Starting at: HARRISON AV	Ending at: ACROSS WRIGHT AV	\$64,910.00
1410221306	CONGER AV	Starting at: LAKESIDE AV	Ending at: WRIGHT AV	\$49,600.00
1410221402	CONGER AV	Starting at: WRIGHT AV	Ending at: LAKESIDE AV	\$18,525.00
1411120503	CONVENT SQ	Starting at: CONVENT SQ	Ending at: WASHINGTON	\$37,725.00
1411120459	CONVENT SQ	Starting at: NORTH AV	Ending at: CONVENT SQ	\$20,575.00
1411110515	CONVERSE CT	Starting at: CONVERSE CT END	Ending at: HICKOK PL	\$48,660.00
1411190815	CRESCENT BEACH DR	Starting at: RIDGEWOOD DR	Ending at: SHORE RD	\$52,375.00
1411190820	CRESCENT BEACH DR	Starting at: SHORE RD	Ending at: SURF RD	\$47,175.00
1411190823	CRESCENT BEACH DR	Starting at: SURF RD	Ending at: CRESCENT BEACH DR END	\$14,850.00
1411120739	CROMBIE	Starting at: N WINOOSKI AV	Ending at: INTERVALE AV	\$61,615.00
1411140747	CROWLEY	Starting at: CROWLEY ST END	Ending at: NORTH AV	\$40,000.00
1411140743	CROWLEY	Starting at: NORTH AV	Ending at: CROWLEY END	\$26,270.00
1411190555	DALE RD	Starting at: 85 DALE RD	Ending at: SHORE RD	\$51,840.00
1411190549	DALE RD	Starting at: BRIERWOOD LN	Ending at: ACROSS 85 DALE RD	\$12,320.00
1411190609	DALE RD	Starting at: DALE RD END	Ending at: WILDWOOD DR	\$11,450.00
1411190607	DALE RD	Starting at: SHORE RD	Ending at: DALE RD END	\$133,105.00
1411190652	DALE RD	Starting at: WILDWOOD DR	Ending at: SHORE RD	\$34,200.00
1411120749	DECATUR	Starting at: INTERVALE AV	Ending at: N WINOOSKI AV	\$58,650.00
1411120756	DECATUR	Starting at: N WINOOSKI AV	Ending at: INTERVALE AV	\$64,255.00
1410290946	DEFOREST HTS	Starting at: DEFOREST RD	Ending at: S WILLARD	\$95,925.00
1410290737	DEFOREST RD	Starting at: 147 DEFOREST RD	Ending at: OVERLAKE PK	\$23,350.00
1410290937	DEFOREST RD	Starting at: OVERLAKE PK	Ending at: DEFOREST HTS	\$106,375.00
1411190448	DODDS CT	Starting at: NORTH AV	Ending at: SHORE RD	\$93,650.00
1411190745	DODDS CT	Starting at: SHORE RD	Ending at: NORTH AV	\$119,175.00
1411141132	DORSET LN	Starting at: CAYUGA CT	Ending at: BIRCH CT	\$23,640.00
1411140612	DREW	Starting at: NORTH ST	Ending at: STRONG	\$33,975.00

1411140721	DREW	Starting at: STRONG	Ending at: WARD	\$26,325.00
1411140719	DREW	Starting at: WARD	Ending at: STRONG	\$1,025.00
1410241258	EDGEWOOD LN	Starting at: LEDGE RD	Ending at: EDGEWOOD LN END	\$58,125.00
1411191046	EDINBOROUGH DR	Starting at: CUMBERLAND RD	Ending at: MUIRFIELD RD	\$217,725.00
1411191008	EDINBOROUGH DR	Starting at: MUIRFIELD RD	Ending at: CUMBERLAND RD	\$81,985.00
1410271424	ELM TERR	Starting at: 31 ELM TERR	Ending at: S WINOOSKI AV	\$20,930.00
1410271418	ELM TERR	Starting at: S WINOOSKI AV	Ending at: ELM TERR END	\$50,150.00
1411121210	ELMWOOD AV	Starting at: ALLEN	Ending at: PERU	\$39,925.00
1411121202	ELMWOOD AV	Starting at: CEDAR	Ending at: NORTH ST	\$18,800.00
1411121234	ELMWOOD AV	Starting at: GRANT	Ending at: NORTH ST	\$151,410.00
1411121244	ELMWOOD AV	Starting at: NORTH ST	Ending at: SPRING	\$102,525.00
1411121225	ELMWOOD AV	Starting at: PEARL	Ending at: GRANT	\$119,600.00
1411121219	ELMWOOD AV	Starting at: PERU	Ending at: PEARL	\$90,775.00
1411121158	ELMWOOD AV	Starting at: SPRING	Ending at: CEDAR	\$36,750.00
1411170512	ETHAN ALLEN PKWY	Starting at: FARRINGTON PKWY	Ending at: SANDY LN	\$22,400.00
1411170457	ETHAN ALLEN PKWY	Starting at: GAZO AV	Ending at: JAMES AV	\$122,300.00
1411170505	ETHAN ALLEN PKWY	Starting at: JAMES AV	Ending at: FARRINGTON PKWY	\$140,525.00
1411170530	ETHAN ALLEN PKWY	Starting at: LOPES AV	Ending at: NORTH AV	\$67,075.00
1411170517	ETHAN ALLEN PKWY	Starting at: SANDY LN	Ending at: LOPES AV	\$15,700.00
1411180658	FAITH	Starting at: GAZO AV	Ending at: JAMES AV	\$85,995.00
1411180650	FAITH	Starting at: JAMES AV	Ending at: GAZO AV	\$74,785.00
1411170710	FARRINGTON PKWY	Starting at: ETHAN ALLEN PKWY	Ending at: GOSSE CT	\$110,960.00
1411170843	FARRINGTON PKWY	Starting at: GOSSE CT	Ending at: HEINEBERG RD	\$22,885.00
1411170848	FARRINGTON PKWY	Starting at: HEINEBERG RD	Ending at: ETHAN ALLEN PKWY	\$38,975.00
1410211122	FERGUSON AV	Starting at: BRIGGS	Ending at: FOSTER	\$8,920.00
1410211127	FERGUSON AV	Starting at: FOSTER	Ending at: PINE	\$32,100.00
1410210831	FERGUSON AV	Starting at: PINE	Ending at: RICHARDSON	\$29,600.00
1410210837	FERGUSON AV	Starting at: RICHARDSON	Ending at: WELLS	\$34,305.00
1410210850	FERGUSON AV	Starting at: SHELBURNE RD	Ending at: WELLS	\$34,800.00
1410210843	FERGUSON AV	Starting at: WELLS	Ending at: SHELBURNE RD	\$66,790.00
1411151137	FLETCHER PL	Starting at: COLCHESTER AV	Ending at: FLETCHER PL END	\$30,575.00
1411151142	FLETCHER PL	Starting at: FLETCHER PL END	Ending at: COLCHESTER AV	\$36,160.00
1410211415	FLYNN AV	Starting at: 208 FLYNN AV	Ending at: BRIGGS	\$8,800.00
1410211359	FLYNN AV	Starting at: 326 FLYNN AV	Ending at: PINE	\$13,860.00
1410220544	FLYNN AV	Starting at: ACROSS 207 FLYNN AV	Ending at: ACROSS OAK BEACH DR	\$135,950.00
1410211413	FLYNN AV	Starting at: ACROSS BRIGGS	Ending at: ACROSS 208 FLYNN AV	\$26,770.00
1410220548	FLYNN AV	Starting at: ACROSS OAK BEACH DR	Ending at: OAKLEDGE PK	\$46,660.00
1410211338	FLYNN AV	Starting at: BRIGGS	Ending at: FOSTER	\$13,520.00
1410211349	FLYNN AV	Starting at: FOSTER	Ending at: PINE	\$22,375.00
1410211150	FLYNN AV	Starting at: PINE	Ending at: RICHARDSON	\$37,165.00
1410211155	FLYNN AV	Starting at: RICHARDSON	Ending at: WELLS	\$10,000.00
1410230532	FLYNN AV	Starting at: SHELBURNE RD	Ending at: FLYNN AV	\$67,860.00
1410211202	FLYNN AV	Starting at: WELLS	Ending at: SHELBURNE RD	\$26,865.00
1410211343	FOSTER	Starting at: FLYNN AV	Ending at: FERGUSON AV	\$4,760.00
1411111041	FRONT	Starting at: NORTH ST	Ending at: SHERMAN	\$21,420.00
1411111049	FRONT	Starting at: SHERMAN	Ending at: SUMMER	\$32,225.00
1411111059	FRONT	Starting at: SUMMER	Ending at: NORTH ST	\$18,170.00
1411180828	GAZO AV	Starting at: CHARITY	Ending at: HOPE	\$18,650.00

1411180432	GAZO AV	Starting at: ETHAN ALLEN PKWY	Ending at: RANDY LN	\$124,000.00
1411180833	GAZO AV	Starting at: FAITH	Ending at: ETHAN ALLEN PKWY	\$30,925.00
1411180831	GAZO AV	Starting at: HOPE	Ending at: FAITH	\$39,110.00
1411180823	GAZO AV	Starting at: MATTHEW AV	Ending at: RANDY LN	\$24,785.00
1411180507	GAZO AV	Starting at: RANDY LN	Ending at: SANDRA CIR	\$82,420.00
1411180528	GAZO AV	Starting at: SANDRA CIR	Ending at: SANDRA CIR	\$138,965.00
1411101150	GEORGE	Starting at: MONROE	Ending at: PEARL	\$38,180.00
1411101158	GEORGE	Starting at: PEARL	Ending at: PERU	\$92,550.00
1411101202	GEORGE	Starting at: PERU	Ending at: MONROE	\$42,590.00
1411190636	GLENWOOD LN	Starting at: SHORE RD	Ending at: WILDWOOD DR	\$32,020.00
1411190632	GLENWOOD LN	Starting at: WILDWOOD DR	Ending at: SHORE RD	\$44,800.00
1411170712	GOSSE CT	Starting at: FARRINGTON PKWY	Ending at: GOSSE CT END	\$8,925.00
1411170732	GOSSE CT	Starting at: GOSSE CT END	Ending at: NORTH AV	\$191,225.00
1411170837	GOSSE CT	Starting at: MARSHALL DR	Ending at: FARRINGTON PKWY	\$4,800.00
1411170741	GOSSE CT	Starting at: NORTH AV	Ending at: MARSHALL DR	\$61,600.00
1410241200	GOVE CT	Starting at: 21 GOVE CT	Ending at: SHELBURNE RD	\$45,800.00
1410241154	GOVE CT	Starting at: SHELBURNE RD	Ending at: GOVE CT END	\$67,870.00
1410300921	GREENE	Starting at: HICKOK PL	Ending at: PEARL	\$118,975.00
1410300917	GREENE	Starting at: LOOMIS	Ending at: HICKOK PL	\$88,300.00
1410300903	GREENE	Starting at: PEARL	Ending at: HICKOK PL	\$42,525.00
1411201218	GREY MEADOW DR	Starting at: 58 GREY MEADOW DR	Ending at: COTTAGE GROVE	\$55,050.00
1411200736	GREY MEADOW DR	Starting at: GREY MEADOW DR	Ending at: STARR FARM RD	\$56,400.00
1411201212	GREY MEADOW DR	Starting at: GREY MEADOW DR END	Ending at: 58 GREY MEADOW DR	\$100,660.00
1411191211	HALE CT	Starting at: HALE CT END	Ending at: SARATOGA AV	\$8,975.00
1411200543	HARDY AV	Starting at: 127 HARDY AV	Ending at: WESTWARD DR	\$188,675.00
1411200533	HARDY AV	Starting at: WESTWARD DR	Ending at: 120 HARDY AV	\$165,290.00
1410251228	HARRINGTON TERR	Starting at: JACKSON CT	Ending at: MAPLE	\$40,880.00
1410251224	HARRINGTON TERR	Starting at: MAPLE	Ending at: JACKSON CT	\$30,085.00
1410221342	HARRISON AV	Starting at: CENTRAL AV	Ending at: HARRISON AV END	\$49,850.00
1410221345	HARRISON AV	Starting at: HARRISON AV END	Ending at: CONGER AV	\$25,600.00
1411140525	HASWELL	Starting at: LAKEVIEW TERR	Ending at: NORTH AV	\$24,650.00
1411140442	HASWELL	Starting at: NORTH AV	Ending at: LAKEVIEW TERR	\$9,985.00
1410240646	HAYWARD	Starting at: CATHERINE	Ending at: HOWARD	\$27,135.00
1410240600	HAYWARD	Starting at: HOWARD	Ending at: MARBLE AV	\$47,815.00
1410240607	HAYWARD	Starting at: MARBLE AV	Ending at: HOWARD	\$53,450.00
1410291240	HENDERSON TERR	Starting at: HENDERSON TERR END	Ending at: S PROSPECT	\$52,625.00
1410291232	HENDERSON TERR	Starting at: S PROSPECT	Ending at: HENDERSON TERR END	\$59,625.00
1411110647	HENRY	Starting at: N PROSPECT	Ending at: N WILLARD	\$82,100.00
1411110651	HENRY	Starting at: N WILLARD	Ending at: WESTON	\$47,735.00
1411110622	HENRY	Starting at: WESTON	Ending at: N PROSPECT	\$72,533.00
1411111213	HIGH GROVE CT	Starting at: NORTH ST	Ending at: HIGH GROVE CT END	\$31,680.00
1411190645	HOLLY LN	Starting at: SHORE RD	Ending at: WILDWOOD DR	\$37,835.00
1411190642	HOLLY LN	Starting at: WILDWOOD DR	Ending at: SHORE RD	\$45,850.00
1410200728	HOME AV	Starting at: INDUSTRIAL PKWY	Ending at: S CREST DR	\$55,030.00
1410210550	HOME AV	Starting at: PINE	Ending at: RAYMOND PL	\$21,710.00
1410210601	HOME AV	Starting at: RAYMOND PL	Ending at: SHELBURNE RD	\$68,900.00
1410210628	HOME AV	Starting at: RICHARDSON	Ending at: PINE	\$19,845.00
1410201347	HOME AV	Starting at: S CREST DR	Ending at: PINE	\$61,575.00

1410210615	HOME AV	Starting at: SHELBURNE RD	Ending at: WELLS	\$68,925.00
1410210623	HOME AV	Starting at: WELLS	Ending at: RICHARDSON	\$44,680.00
1410230644	HOOVER	Starting at: LUDWIG CT	Ending at: SHELBURNE RD	\$48,560.00
1410230629	HOOVER	Starting at: PERROTTA PL	Ending at: REDSTONE TERR	\$39,675.00
1410230634	HOOVER	Starting at: REDSTONE TERR	Ending at: LUDWIG CT	\$60,770.00
1410230653	HOOVER	Starting at: SHELBURNE RD	Ending at: PERROTTA PL	\$46,300.00
1411180714	HOPE	Starting at: GAZO AV	Ending at: RANDY LN	\$52,715.00
1411180708	HOPE	Starting at: JAMES AV	Ending at: GAZO AV	\$70,025.00
1411180748	HOPE	Starting at: RANDY LN	Ending at: JAMES AV	\$46,590.00
1410240657	HOWARD	Starting at: CAROLINE	Ending at: ST PAUL	\$32,400.00
1410240551	HOWARD	Starting at: GOLDEN PL	Ending at: HAYWARD	\$28,325.00
1410240613	HOWARD	Starting at: HAYWARD	Ending at: PINE	\$109,085.00
1410240535	HOWARD	Starting at: S UNION	Ending at: ST PAUL	\$148,555.00
1410230824	HOWARD	Starting at: S WILLARD	Ending at: S UNION	\$88,075.00
1410240704	HOWARD	Starting at: ST PAUL	Ending at: S UNION	\$134,405.00
1410270642	HUNGERFORD TERR	Starting at: BRADLEY	Ending at: COLLEGE	\$32,190.00
1410270706	HUNGERFORD TERR	Starting at: BUELL	Ending at: PEARL	\$65,755.00
1410270647	HUNGERFORD TERR	Starting at: COLLEGE	Ending at: BRADLEY	\$41,570.00
1410270712	HUNGERFORD TERR	Starting at: PEARL	Ending at: BUELL	\$37,975.00
1411121052	HYDE	Starting at: ARCHIBALD	Ending at: N WILLARD	\$9,156.00
1411121055	HYDE	Starting at: N WILLARD	Ending at: ARCHIBALD	\$6,280.00
1411121029	HYDE	Starting at: POMEROY	Ending at: ARCHIBALD	\$26,760.00
1411120905	HYDE	Starting at: SCHOOL	Ending at: POMEROY	\$31,310.00
1411161036	INSTITUTE RD	Starting at: INSTITUTE RD END	Ending at: NORTH AV	\$124,595.00
1411120806	INTERVALE AV	Starting at: ARCHIBALD	Ending at: SPRING	\$109,610.00
1411120743	INTERVALE AV	Starting at: CROMBIE	Ending at: DECATUR	\$34,000.00
1411120758	INTERVALE AV	Starting at: DECATUR	Ending at: ARCHIBALD	\$25,000.00
1410310629	INTERVALE AV	Starting at: LUCK	Ending at: OAK	\$27,700.00
1410310610	INTERVALE AV	Starting at: MANHATTAN DR	Ending at: LUCK	\$20,695.00
1410310838	INTERVALE AV	Starting at: OAK	Ending at: WILLOW	\$27,585.00
1411120717	INTERVALE AV	Starting at: SPRING	Ending at: NORTH ST	\$37,600.00
1410310826	INTERVALE AV	Starting at: WILLOW	Ending at: ARCHIBALD	\$23,300.00
1410241315	IRANISTAN RD	Starting at: 29 IRANISTAN RD	Ending at: LEDGE RD	\$44,565.00
1410290641	JACKSON CT	Starting at: 200 JACKSON CT	Ending at: S WILLARD	\$32,195.00
1411180642	JAMES AV	Starting at: ETHAN ALLEN PKWY	Ending at: FAITH	\$17,325.00
1411180700	JAMES AV	Starting at: FAITH	Ending at: HOPE	\$27,785.00
1411180757	JAMES AV	Starting at: HOPE	Ending at: MATTHEW AV	\$82,250.00
1411180629	JAMES AV	Starting at: JANET CIR	Ending at: JANET CIR	\$113,180.00
1411180805	JAMES AV	Starting at: MATTHEW AV	Ending at: SANDRA CIR	\$61,325.00
1411180609	JAMES AV	Starting at: SANDRA CIR	Ending at: JANET CIR	\$131,325.00
1411180618	JANET CIR	Starting at: 49 JANET CIR	Ending at: JAMES AV	\$42,420.00
1411180625	JANET CIR	Starting at: JAMES AV	Ending at: JAMES AV	\$110,655.00
1411101209	JOHNSON	Starting at: MONROE	Ending at: PERU	\$55,860.00
1411101214	JOHNSON	Starting at: PERU	Ending at: MONROE	\$30,125.00
1410290849	JUNIPER TERR	Starting at: JUNIPER TERR END	Ending at: SUMMIT	\$40,255.00
1410250613	KILBURN	Starting at: PINE	Ending at: ST PAUL	\$60,800.00
1411191134	KILLARNEY DR	Starting at: KILLARNEY DR END	Ending at: NORTH AV	\$225,975.00
1411191117	KILLARNEY DR	Starting at: NORTH AV	Ending at: KILLARNEY DR END	\$185,250.00

1410271255	KING	Starting at: 97 KING	Ending at: ST PAUL	\$18,775.00
1410271208	KING	Starting at: BATTERY	Ending at: KING END	\$16,400.00
1410271303	KING	Starting at: BROWNS CT	Ending at: CHURCH	\$16,780.00
1410271128	KING	Starting at: CHURCH	Ending at: ST PAUL	\$82,925.00
1410271210	KING	Starting at: KING END	Ending at: BATTERY	\$23,325.00
1410271251	KING	Starting at: PINE	Ending at: 85 KING	\$10,000.00
1410271328	KING	Starting at: S UNION	Ending at: S WINOOSKI AV	\$80,000.00
1410271323	KING	Starting at: S WINOOSKI AV	Ending at: S UNION	\$67,160.00
1410271133	KING	Starting at: ST PAUL	Ending at: PINE	\$51,685.00
1410280656	KINGSLAND TERR	Starting at: KINGSLAND TERR END	Ending at: S UNION	\$64,760.00
1410280648	KINGSLAND TERR	Starting at: S UNION	Ending at: KINGSLAND TERR END	\$57,187.00
1410301101	LAFAYETTE PL	Starting at: LAFAYETTE PL END	Ending at: PEARL	\$18,760.00
1410301057	LAFAYETTE PL	Starting at: PEARL	Ending at: LAFAYETTE PL END	\$12,505.00
1411120617	LAFOUNTAIN	Starting at: CEDAR	Ending at: NORTH ST	\$103,425.00
1411120647	LAFOUNTAIN	Starting at: MANHATTAN DR	Ending at: CEDAR	\$61,675.00
1411120622	LAFOUNTAIN	Starting at: NORTH ST	Ending at: CEDAR	\$35,995.00
1410220720	LAKE FOREST DR	Starting at: FLYNN AV	Ending at: OAK BEACH DR	\$43,230.00
1410221414	LAKESIDE AV	Starting at: 175 LAKESIDE AV	Ending at: PINE	\$62,525.00
1410221317	LAKESIDE AV	Starting at: CENTRAL AV	Ending at: CONGER AV	\$34,065.00
1410221302	LAKESIDE AV	Starting at: PINE	Ending at: CONGER AV	\$145,050.00
1411140516	LAKEVIEW TERR	Starting at: 145 LAKEVIEW TERR	Ending at: 33 LAKEVIEW TERR	\$80,825.00
1411140520	LAKEVIEW TERR	Starting at: 33 LAKEVIEW TERR	Ending at: 9 LAKEVIEW TERR	\$24,125.00
1411140522	LAKEVIEW TERR	Starting at: ACROSS 9 LAKEVIEW TERR	Ending at: HASWELL	\$4,050.00
1411140500	LAKEVIEW TERR	Starting at: CANFIELD	Ending at: LAKEVIEW TERR	\$94,500.00
1411140445	LAKEVIEW TERR	Starting at: HASWELL	Ending at: CANFIELD	\$16,070.00
1411140502	LAKEVIEW TERR	Starting at: LAKEVIEW TERR	Ending at: NORTH AV	\$22,210.00
1411140506	LAKEVIEW TERR	Starting at: NORTH AV	Ending at: 145 LAKEVIEW TERR	\$21,600.00
1411190730	LAUREL CT	Starting at: LAUREL CT END	Ending at: SHORE RD	\$29,350.00
1411190727	LAUREL CT	Starting at: SHORE RD	Ending at: LAUREL CT END	\$30,125.00
1410240736	LEDGEMERE	Starting at: LEDGEMERE END	Ending at: MARGARET	\$68,900.00
1410240916	LEDGEMERE	Starting at: MARGARET	Ending at: MARIAN	\$6,400.00
1410240728	LEDGEMERE	Starting at: MARIAN	Ending at: LEDGEMERE END	\$42,525.00
1411181304	LEONARD	Starting at: LEONARD END	Ending at: NORTH AV	\$80,005.00
1411181256	LEONARD	Starting at: NORTH AV	Ending at: LEONARD END	\$40,250.00
1410220822	LINDEN TERR	Starting at: BIRCHCLIFF PKWY	Ending at: CHERRY LN	\$123,305.00
1410221128	LINDEN TERR	Starting at: CHERRY LN	Ending at: BIRCHCLIFF PKWY	\$99,370.00
1410241145	LOCUST	Starting at: ACROSS CAROLINE	Ending at: SHELBURNE RD	\$92,250.00
1410241121	LOCUST	Starting at: CAROLINE	Ending at: CHARLOTTE	\$9,050.00
1410241125	LOCUST	Starting at: CHARLOTTE	Ending at: LOCUST TERR	\$12,525.00
1410241130	LOCUST	Starting at: LOCUST TERR	Ending at: PINE	\$56,775.00
1410241118	LOCUST	Starting at: SHELBURNE RD	Ending at: CAROLINE	\$107,850.00
1410240626	LOCUST TERR	Starting at: CATHERINE	Ending at: LOCUST TERR	\$9,450.00
1410240642	LOCUST TERR	Starting at: LOCUST	Ending at: CATHERINE	\$89,985.00
1411110555	LOOMIS	Starting at: 229 LOOMIS	Ending at: MANSFIELD AV	\$14,080.00
1411110740	LOOMIS	Starting at: BOOTH	Ending at: SCHOOL	\$21,200.00
1411110532	LOOMIS	Starting at: GREENE	Ending at: ISHAM	\$15,790.00
1411110536	LOOMIS	Starting at: ISHAM	Ending at: N WILLARD	\$14,925.00
1411110601	LOOMIS	Starting at: MANSFIELD AV	Ending at: N PROSPECT	\$33,375.00

1411110610	LOOMIS	Starting at: N PROSPECT	Ending at: WESTON	\$70,736.00
1411110530	LOOMIS	Starting at: N UNION	Ending at: GREENE	\$17,010.00
1411110548	LOOMIS	Starting at: N WILLARD	Ending at: N PROSPECT	\$84,275.00
1411110802	LOOMIS	Starting at: SCHOOL	Ending at: N UNION	\$36,190.00
1411110659	LOOMIS	Starting at: WESTON	Ending at: N WILLARD	\$24,840.00
1411170630	LOPES AV	Starting at: BLONDIN CIR	Ending at: ETHAN ALLEN PKWY	\$37,325.00
1411170555	LOPES AV	Starting at: ETHAN ALLEN PKWY	Ending at: SANDY LN	\$22,800.00
1411170620	LOPES AV	Starting at: ROSEADE PKWY	Ending at: BLONDIN CIR	\$73,435.00
1411170639	LOPES AV	Starting at: SANDY LN	Ending at: ROSEADE PKWY	\$58,325.00
1411180457	LORI LN	Starting at: LORI LN END	Ending at: RANDY LN	\$135,950.00
1411180439	LORI LN	Starting at: RANDY LN	Ending at: LORI LN END	\$63,950.00
1410310614	LUCK	Starting at: INTERVALE AV	Ending at: ST MARYS	\$32,800.00
1410310622	LUCK	Starting at: ST LOUIS	Ending at: ST MARYS	\$22,800.00
1410310618	LUCK	Starting at: ST MARYS	Ending at: ST LOUIS	\$46,555.00
1410230638	LUDWIG CT	Starting at: HOOVER	Ending at: LUDWIG CT END	\$8,226.00
1410230640	LUDWIG CT	Starting at: LUDWIG CT END	Ending at: HOOVER	\$3,205.00
1410210814	LYMAN AV	Starting at: BRIGGS	Ending at: FOSTER	\$8,200.00
1410210819	LYMAN AV	Starting at: FOSTER	Ending at: PINE	\$19,440.00
1410210642	LYMAN AV	Starting at: PINE	Ending at: RICHARDSON	\$19,140.00
1410210721	LYMAN AV	Starting at: RICHARDSON	Ending at: WELLS	\$46,130.00
1410210734	LYMAN AV	Starting at: SHELBURNE RD	Ending at: WELLS	\$29,010.00
1410210727	LYMAN AV	Starting at: WELLS	Ending at: SHELBURNE RD	\$75,855.00
1410250537	MARBLE AV	Starting at: PINE	Ending at: HAYWARD	\$57,760.00
1410250556	MARBLE AV	Starting at: ST PAUL	Ending at: PINE	\$94,975.00
1410240914	MARGARET	Starting at: CAROLINE	Ending at: LEDGEMERE	\$37,325.00
1410240740	MARGARET	Starting at: LEDGEMERE	Ending at: CAROLINE	\$43,775.00
1410241105	MARIAN	Starting at: LEDGEMERE	Ending at: SHELBURNE RD	\$57,275.00
1410240722	MARIAN	Starting at: SHELBURNE RD	Ending at: LEDGEMERE	\$67,165.00
1411170836	MARSHALL DR	Starting at: HEINEBERG RD	Ending at: GOSSE CT	\$59,300.00
1411170747	MARSHALL DR	Starting at: MARSHALL DR	Ending at: HEINEBERG RD	\$39,120.00
1411180540	MATTHEW AV	Starting at: GAZO AV	Ending at: SANDRA CIR	\$25,050.00
1411180821	MATTHEW AV	Starting at: JAMES AV	Ending at: GAZO AV	\$64,055.00
1411180814	MATTHEW AV	Starting at: SANDRA CIR	Ending at: JAMES AV	\$57,770.00
1411181119	MERIDIAN	Starting at: SKY DR	Ending at: SUNSET DR	\$30,300.00
1411181034	MERIDIAN	Starting at: SUNSET DR	Ending at: VENUS AV	\$41,400.00
1411181103	MERIDIAN	Starting at: VENUS AV	Ending at: SKY DR	\$18,025.00
1411101205	MONROE	Starting at: GEORGE	Ending at: JOHNSON	\$17,600.00
1411101218	MONROE	Starting at: JOHNSON	Ending at: N CHAMPLAIN	\$18,180.00
1411100801	MONROE	Starting at: N CHAMPLAIN	Ending at: PARK	\$68,290.00
1411100757	MONROE	Starting at: PARK	Ending at: N CHAMPLAIN	\$41,200.00
1411210655	MORRILL DR	Starting at: VAN PATTEN PKWY	Ending at: VAN PATTEN PKWY	\$209,750.00
1411101301	MURRAY	Starting at: ALLEN	Ending at: NORTH ST	\$31,115.00
1411101309	MURRAY	Starting at: NORTH ST	Ending at: PERU	\$48,375.00
1411101245	MURRAY	Starting at: PERU	Ending at: ALLEN	\$31,575.00
1411100846	MYRTLE	Starting at: N CHAMPLAIN	Ending at: PARK	\$29,170.00
1411100842	MYRTLE	Starting at: PARK	Ending at: N CHAMPLAIN	\$16,050.00
1411101325	N CHAMPLAIN	Starting at: ACROSS 109 N CHAMPLAIN	Ending at: NORTH ST	\$37,200.00
1411101342	N CHAMPLAIN	Starting at: CEDAR	Ending at: MANHATTAN DR	\$76,460.00

1411101347	N CHAMPLAIN	Starting at: MANHATTAN DR	Ending at: POPLAR	\$32,425.00
1411101223	N CHAMPLAIN	Starting at: MONROE	Ending at: PERU	\$79,880.00
1411101354	N CHAMPLAIN	Starting at: MYRTLE	Ending at: NORTH ST	\$26,800.00
1411101404	N CHAMPLAIN	Starting at: NORTH ST	Ending at: SHERMAN	\$107,550.00
1411101140	N CHAMPLAIN	Starting at: PEARL	Ending at: MONROE	\$23,725.00
1411101318	N CHAMPLAIN	Starting at: PERU	Ending at: ACROSS 109 N CHAMPLAIN	\$18,355.00
1411101352	N CHAMPLAIN	Starting at: POPLAR	Ending at: MYRTLE	\$38,125.00
1411101407	N CHAMPLAIN	Starting at: SHERMAN	Ending at: MONROE	\$14,035.00
1411110434	N UNION	Starting at: GRANT	Ending at: PEARL	\$51,275.00
1411110524	N UNION	Starting at: HICKOK PL	Ending at: LOOMIS	\$68,000.00
1411110809	N UNION	Starting at: LOOMIS	Ending at: NORTH ST	\$85,940.00
1411110822	N UNION	Starting at: N WINOOSKI AV	Ending at: NORTH ST	\$39,075.00
1411110816	N UNION	Starting at: NORTH ST	Ending at: N WINOOSKI AV	\$158,620.00
1411110437	N UNION	Starting at: PEARL	Ending at: HICKOK PL	\$27,420.00
1410300848	N WILLIAMS	Starting at: BROOKES AV	Ending at: PEARL	\$51,560.00
1410300815	N WILLIAMS	Starting at: PEARL	Ending at: BROOKES AV	\$57,725.00
1411151113	NASH PL	Starting at: COLCHESTER AV	Ending at: NASH PL END	\$36,000.00
1411151119	NASH PL	Starting at: NASH PL END	Ending at: COLCHESTER AV	\$47,750.00
1411200608	NORTHGATE RD	Starting at: NORTHGATE RD END	Ending at: ROUNDABOUT ON NORTHGATE RD	\$55,450.00
1411200618	NORTHGATE RD	Starting at: ROUNDABOUT ON	Ending at: NORTHGATE RD END	\$100,600.00
1411161242	NOTTINGHAM LN	Starting at: APPLETREE PT RD	Ending at: WESTMINSTER DR	\$100,620.00
1411161323	NOTTINGHAM LN	Starting at: MUIRFIELD RD	Ending at: NOTTINGHAM LN END	\$450.00
1411161334	NOTTINGHAM LN	Starting at: NOTTINGHAM LN END	Ending at: APPLETREE PT RD	\$120,865.00
1411161259	NOTTINGHAM LN	Starting at: WESTMINSTER DR	Ending at: MUIRFIELD RD	\$8,805.00
1410220552	OAK BEACH DR	Starting at: FLYNN AV	Ending at: SOUTHWIND DR	\$12,200.00
1410220635	OAK BEACH DR	Starting at: LAKE FOREST DR	Ending at: FLYNN AV	\$50,785.00
1410220626	OAK BEACH DR	Starting at: LEDGEWOOD CIR	Ending at: LAKE FOREST DR	\$116,250.00
1410220646	OAK BEACH DR	Starting at: SOUTHWIND DR	Ending at: SOUTHWIND DR	\$145,325.00
1411160741	OAKCREST DR	Starting at: BEACHCREST DR	Ending at: TALLWOOD LN	\$83,325.00
1411160820	OAKCREST DR	Starting at: TALLWOOD LN	Ending at: BEACHCREST DR	\$140,225.00
1411160629	OAKLAND TERR	Starting at: STANIFORD RD	Ending at: YORK DR	\$109,350.00
1411160645	OAKLAND TERR	Starting at: YORK DR	Ending at: STANIFORD RD	\$52,525.00
1410270624	ORCHARD TERR	Starting at: 68 ORCHARD TERR	Ending at: BUELL	\$13,450.00
1410270727	ORCHARD TERR	Starting at: BUELL	Ending at: PEARL	\$89,220.00
1410270733	ORCHARD TERR	Starting at: PEARL	Ending at: BUELL	\$26,020.00
1410290758	OVERLAKE PK	Starting at: 62 OVERLAKE PK	Ending at: CLIFF	\$44,915.00
1410290926	OVERLAKE PK	Starting at: CLIFF	Ending at: DEFOREST RD	\$28,400.00
1410290748	OVERLAKE PK	Starting at: DEFOREST RD	Ending at: OVERLAKE PK END	\$43,275.00
1411100640	PENNY LN	Starting at: PENNY LN	Ending at: LAKE	\$11,814.00
1410230624	PERROTTA PL	Starting at: ALFRED	Ending at: HOOVER	\$61,765.00
1410230658	PERROTTA PL	Starting at: HOOVER	Ending at: ALFRED	\$53,555.00
1411101241	PERU	Starting at: ELMWOOD AV	Ending at: MURRAY	\$66,635.00
1411101235	PERU	Starting at: GEORGE	Ending at: ELMWOOD AV	\$34,040.00
1411101230	PERU	Starting at: JOHNSON	Ending at: GEORGE	\$10,455.00
1411101227	PERU	Starting at: N CHAMPLAIN	Ending at: JOHNSON	\$24,650.00
1411151314	POIRIER PL	Starting at: NORTH AV	Ending at: 23 POIRIER PL	\$22,368.00
1411121020	POMEROY	Starting at: 32 POMEROY ST	Ending at: N WILLARD	\$3,225.00
1411120909	POMEROY	Starting at: HYDE	Ending at: N WILLARD	\$13,935.00

1411121024	POMEROY	Starting at: N WILLARD	Ending at: HYDE	\$24,595.00
1411100858	POPLAR	Starting at: N CHAMPLAIN	Ending at: 20 POPLAR	\$4,738.00
1411100856	POPLAR	Starting at: PARK	Ending at: N CHAMPLAIN	\$36,285.00
1411130548	PROSPECT HILL	Starting at: 17 PROSPECT HILL	Ending at: PROSPECT HILL END	\$15,375.00
1411130554	PROSPECT HILL	Starting at: PROSPECT HILL END	Ending at: N PROSPECT	\$38,860.00
1410241421	PROSPECT PKWY	Starting at: CRESCENT RD	Ending at: SHELBURNE RD	\$160,500.00
1410241347	PROSPECT PKWY	Starting at: LEDGE RD	Ending at: CRESCENT RD	\$66,496.00
1410241409	PROSPECT PKWY	Starting at: S PROSPECT	Ending at: CRESCENT RD	\$218,835.00
1411180734	RANDY LN	Starting at: CHARITY	Ending at: GAZO AV	\$80,895.00
1411180434	RANDY LN	Starting at: GAZO AV	Ending at: LORI LN	\$178,875.00
1411180717	RANDY LN	Starting at: HOPE	Ending at: CHARITY	\$8,525.00
1411180500	RANDY LN	Starting at: LORI LN	Ending at: GAZO AV	\$23,325.00
1411191214	REVERE CT	Starting at: SARATOGA AV	Ending at: REVERE CT END	\$25,285.00
1410210749	RICHARDSON	Starting at: FERGUSON AV	Ending at: FLYNN AV	\$2,400.00
1410210646	RICHARDSON	Starting at: LYMAN AV	Ending at: MORSE PL	\$26,985.00
1410210715	RICHARDSON	Starting at: SCARFF AV	Ending at: LYMAN AV	\$32,875.00
1411190804	RIDGEWOOD DR	Starting at: CRESCENT BEACH DR	Ending at: SHORE RD	\$96,615.00
1411190811	RIDGEWOOD DR	Starting at: SHORE RD	Ending at: CRESCENT BEACH DR	\$73,490.00
1411210709	RIVERMOUNT TERR	Starting at: VAN PATTEN PKWY	Ending at: 141 RIVERMOUNT TERR	\$38,800.00
1410291305	ROBINSON PKWY	Starting at: S PROSPECT	Ending at: ACROSS 77 ROBINSON PKWY	\$92,885.00
1411210515	ROCKLAND	Starting at: VAN PATTEN PKWY	Ending at: TEMPLE	\$66,010.00
1411120605	ROSE	Starting at: CEDAR	Ending at: NORTH ST	\$73,950.00
1411120552	ROSE	Starting at: MANHATTAN DR	Ending at: CEDAR	\$31,740.00
1411120610	ROSE	Starting at: NORTH ST	Ending at: CEDAR	\$37,620.00
1411170644	ROSEADE PKWY	Starting at: LOPES AV	Ending at: SANDY LN	\$57,055.00
1411170612	ROSEADE PKWY	Starting at: SANDY LN	Ending at: LOPES AV	\$62,125.00
1411110726	RUSSELL	Starting at: CHARLES	Ending at: NORTH ST	\$21,575.00
1411110714	RUSSELL	Starting at: NORTH ST	Ending at: CHARLES	\$14,828.00
1410271151	S CHAMPLAIN	Starting at: COLLEGE	Ending at: MAIN	\$44,775.00
1410271219	S CHAMPLAIN	Starting at: KING	Ending at: MAPLE	\$40,375.00
1410271155	S CHAMPLAIN	Starting at: MAIN	Ending at: KING	\$80,740.00
1410271245	S CHAMPLAIN	Starting at: MAPLE	Ending at: KING	\$72,765.00
1410271240	S CHAMPLAIN	Starting at: S CHAMPLAIN END	Ending at: MAPLE	\$85,925.00
1410200600	S COVE RD	Starting at: 128 S COVE RD	Ending at: AUSTIN DR	\$69,266.50
1410200547	S COVE RD	Starting at: 170 S COVE RD	Ending at: 128 S COVE RD	\$44,387.50
1410200541	S COVE RD	Starting at: 264 S COVE RD	Ending at: 170 S COVE RD	\$44,732.50
1410200531	S COVE RD	Starting at: AUSTIN DR	Ending at: 264 S COVE RD	\$97,925.00
1410201201	S CREST DR	Starting at: 115 S CREST DR	Ending at: PINE	\$15,050.00
1410201155	S CREST DR	Starting at: HOME AV	Ending at: 103 S CREST DR	\$63,150.00
1410201342	S CREST DR	Starting at: PINE	Ending at: HOME AV	\$102,765.00
1410201221	S MEADOW DR	Starting at: BAIRD	Ending at: S MEADOW DR END	\$30,216.00
1410201249	S MEADOW DR	Starting at: RAYMOND PL	Ending at: S MEADOW DR	\$13,540.00
1410201233	S MEADOW DR	Starting at: S MEADOW DR	Ending at: RAYMOND PL	\$49,060.00
1410201229	S MEADOW DR	Starting at: S MEADOW DR END	Ending at: S MEADOW DR	\$88,828.00
1410240529	S UNION	Starting at: ACROSS BAYVIEW	Ending at: HOWARD	\$29,850.00
1410290723	S UNION	Starting at: ADAMS	Ending at: SPRUCE	\$31,705.00
1410280612	S UNION	Starting at: BAYVIEW	Ending at: CLIFF	\$28,865.00
1410230810	S UNION	Starting at: BEECH	Ending at: HOWARD	\$69,300.00

1410280756	S UNION	Starting at: BRADLEY Ending at: BUELL	\$42,660.00
1410280803	S UNION	Starting at: BUELL Ending at: PEARL	\$118,234.00
1410281005	S UNION	Starting at: COLLEGE Ending at: MAIN	\$80,658.00
1410240712	S UNION	Starting at: HOWARD Ending at: ST PAUL	\$141,570.00
1410290709	S UNION	Starting at: KING Ending at: MAPLE	\$20,885.00
1410280705	S UNION	Starting at: KINGSLAND TERR Ending at: MAPLE	\$51,440.00
1410290704	S UNION	Starting at: MAIN Ending at: KING	\$89,155.00
1410280715	S UNION	Starting at: MAPLE Ending at: MAIN	\$84,495.00
1410280951	S UNION	Starting at: PEARL Ending at: BUELL	\$66,775.00
1410230757	S UNION	Starting at: SHELBURNE RD Ending at: BEECH	\$41,580.00
1410280642	S UNION	Starting at: SPRUCE Ending at: KINGSLAND TERR	\$91,280.00
1410281354	S WILLIAMS	Starting at: 57 S WILLIAMS Ending at: COLLEGE	\$19,455.00
1410281342	S WILLIAMS	Starting at: COLLEGE Ending at: PEARL	\$139,150.00
1410281330	S WILLIAMS	Starting at: MAIN Ending at: COLLEGE	\$51,175.00
1410281349	S WILLIAMS	Starting at: PEARL Ending at: 43 S WILLIAMS	\$23,560.00
1411180557	SANDRA CIR	Starting at: GAZO AV Ending at: JAMES AV	\$211,775.00
1411180811	SANDRA CIR	Starting at: JAMES AV Ending at: MATTHEW AV	\$75,150.00
1411180551	SANDRA CIR	Starting at: MATTHEW AV Ending at: GAZO AV	\$127,325.00
1411170605	SANDY LN	Starting at: ETHAN ALLEN PKWY Ending at: ROSEADE PKWY	\$18,650.00
1411170602	SANDY LN	Starting at: LOPES AV Ending at: ETHAN ALLEN PKWY	\$56,310.00
1411170649	SANDY LN	Starting at: ROSEADE PKWY Ending at: LOPES AV	\$28,260.00
1411191208	SARATOGA AV	Starting at: BENNINGTON CT Ending at: REVERE CT	\$84,580.00
1411191153	SARATOGA AV	Starting at: BRANDYWINE Ending at: NORTH AV	\$42,325.00
1411191156	SARATOGA AV	Starting at: NORTH AV Ending at: BENNINGTON CT	\$23,300.00
1411191221	SARATOGA AV	Starting at: REVERE CT Ending at: VILLAGE GREEN	\$53,460.00
1411210502	SARATOGA AV	Starting at: SIDEWALK START ON Ending at: VAN PATTEN PKWY	\$115,525.00
1410210652	SCARFF AV	Starting at: RICHARDSON Ending at: WELLS	\$34,405.00
1410210705	SCARFF AV	Starting at: SHELBURNE RD Ending at: WELLS	\$25,485.00
1410210659	SCARFF AV	Starting at: WELLS Ending at: SHELBURNE RD	\$69,733.00
1411110746	SCHOOL	Starting at: LOOMIS Ending at: NORTH ST	\$60,800.00
1411110758	SCHOOL	Starting at: NORTH ST Ending at: LOOMIS	\$49,263.00
1411190542	SHORE RD	Starting at: BALSAM Ending at: VINE	\$61,115.00
1411190830	SHORE RD	Starting at: CRESCENT BEACH DR Ending at: RIDGEWOOD DR	\$60,400.00
1411190558	SHORE RD	Starting at: DALE RD Ending at: STIRLING PL	\$49,725.00
1411190723	SHORE RD	Starting at: DODDS CT Ending at: LAUREL CT	\$29,335.00
1411190706	SHORE RD	Starting at: FERN Ending at: DODDS CT	\$56,405.00
1411190701	SHORE RD	Starting at: GLENWOOD LN Ending at: WILDWOOD DR	\$28,250.00
1411190658	SHORE RD	Starting at: HOLLY LN Ending at: GLENWOOD LN	\$14,360.00
1411190733	SHORE RD	Starting at: LAUREL CT Ending at: NORTH AV	\$41,825.00
1411190739	SHORE RD	Starting at: NORTH AV Ending at: DODDS CT	\$94,925.00
1411190602	SHORE RD	Starting at: RIDGEWOOD DR Ending at: DALE RD	\$33,050.00
1411190905	SHORE RD	Starting at: STIRLING PL Ending at: SURF RD	\$32,490.00
1411190907	SHORE RD	Starting at: SURF RD Ending at: CRESCENT BEACH DR	\$2,005.00
1411190544	SHORE RD	Starting at: VINE Ending at: DALE RD	\$13,980.00
1411190704	SHORE RD	Starting at: WILDWOOD DR Ending at: FERN	\$4,925.00
1411181110	SKY DR	Starting at: MERIDIAN Ending at: SUNSET DR	\$50,840.00
1411181116	SKY DR	Starting at: SUNSET DR Ending at: MERIDIAN	\$81,535.00
1410220611	SOUTHWIND DR	Starting at: 56 SOUTHWIND DR Ending at: OAK BEACH DR	\$212,010.00

1410220701	SOUTHWIND DR	Starting at: OAK BEACH DR	Ending at: OAK BEACH DR	\$259,405.00
1411120821	SPRING	Starting at: ARCHIBALD	Ending at: MANHATTAN DR	\$35,100.00
1411120727	SPRING	Starting at: CLOAREC CT	Ending at: CROMBIE	\$26,965.00
1411120711	SPRING	Starting at: ELMWOOD AV	Ending at: INTERVALE AV	\$79,475.00
1411120811	SPRING	Starting at: INTERVALE AV	Ending at: WALNUT	\$34,895.00
1411120704	SPRING	Starting at: MANHATTAN DR	Ending at: ARCHIBALD	\$38,605.00
1411120817	SPRING	Starting at: WALNUT	Ending at: ARCHIBALD	\$7,070.00
1410260712	SPRUCE	Starting at: S UNION	Ending at: S WINOOSKI AV	\$200,065.00
1410260705	SPRUCE	Starting at: S WILLARD	Ending at: S UNION	\$149,050.00
1410260715	SPRUCE	Starting at: S WINOOSKI AV	Ending at: SPRUCE CT	\$75,065.00
1410260725	SPRUCE	Starting at: SPRUCE CT	Ending at: ST PAUL	\$33,060.00
1410260633	SPRUCE	Starting at: ST PAUL	Ending at: S WINOOSKI AV	\$55,625.00
1410260718	SPRUCE CT	Starting at: SPRUCE	Ending at: SPRUCE CT END	\$25,700.00
1410310810	ST LOUIS	Starting at: ARCHIBALD	Ending at: WILLOW	\$67,685.00
1410310645	ST LOUIS	Starting at: LUCK	Ending at: MANHATTAN DR	\$19,520.00
1410310650	ST LOUIS	Starting at: MANHATTAN DR	Ending at: OAK	\$22,400.00
1410310643	ST LOUIS	Starting at: OAK	Ending at: LUCK	\$7,430.00
1410310804	ST LOUIS	Starting at: WILLOW	Ending at: ARCHIBALD	\$34,375.00
1410310637	ST MARYS	Starting at: LUCK	Ending at: OAK	\$10,680.00
1410310635	ST MARYS	Starting at: OAK	Ending at: LUCK	\$10,000.00
1411161153	STANIFORD RD	Starting at: NORTH AV	Ending at: OAKLAND TERR	\$111,395.00
1411161157	STANIFORD RD	Starting at: OAKLAND TERR	Ending at: WESTERN AV	\$26,400.00
1411161201	STANIFORD RD	Starting at: WESTERN AV	Ending at: ACROSS APPLETREE PT RD	\$53,035.00
1411201055	STARR FARM RD	Starting at: CURTIS AV	Ending at: PLEASANT AV	\$35,300.00
1411200747	STARR FARM RD	Starting at: GREY MEADOW DR	Ending at: NORTH AV	\$94,135.00
1411201136	STARR FARM RD	Starting at: PLEASANT AV	Ending at: PLEASANT AV	\$137,640.00
1411190901	STIRLING PL	Starting at: 59 STIRLING PL	Ending at: SHORE RD	\$74,905.00
1411190840	STIRLING PL	Starting at: SHORE RD	Ending at: STIRLING PL END	\$137,675.00
1411190843	STIRLING PL	Starting at: STIRLING PL END	Ending at: ALEXIS DR	\$23,975.00
1411140631	STRONG	Starting at: BLODGETT	Ending at: PITKIN	\$32,040.00
1411140735	STRONG	Starting at: DREW	Ending at: NORTH AV	\$34,610.00
1411140601	STRONG	Starting at: NORTH AV	Ending at: DREW	\$22,650.00
1411140658	STRONG	Starting at: PITKIN	Ending at: BLODGETT	\$12,825.00
1411111052	SUMMER	Starting at: FRONT	Ending at: PARK	\$25,913.00
1411111056	SUMMER	Starting at: PARK	Ending at: FRONT	\$32,960.00
1410290844	SUMMIT	Starting at: CEDAR LN	Ending at: JUNIPER TERR	\$3,200.00
1410290820	SUMMIT	Starting at: CLIFF	Ending at: MAPLE	\$115,995.00
1410290901	SUMMIT	Starting at: JUNIPER TERR	Ending at: CLIFF	\$54,610.00
1410290838	SUMMIT	Starting at: MAIN	Ending at: MAPLE	\$35,075.00
1410290829	SUMMIT	Starting at: MAPLE	Ending at: MAIN	\$120,120.00
1410290911	SUMMIT RDG	Starting at: CLIFF	Ending at: SUMMIT RDG END	\$69,460.00
1410290920	SUMMIT RDG	Starting at: SUMMIT RDG END	Ending at: CLIFF	\$87,560.00
1411181123	SUNSET DR	Starting at: MERIDIAN	Ending at: SKY DR	\$41,245.00
1411181028	SUNSET DR	Starting at: PLATTSBURG AV	Ending at: MERIDIAN	\$143,285.00
1411181125	SUNSET DR	Starting at: SKY DR	Ending at: VENUS AV	\$7,560.00
1411181145	SUNSET DR	Starting at: VALADE PK	Ending at: PLATTSBURG AV	\$22,000.00
1411181128	SUNSET DR	Starting at: VENUS AV	Ending at: VALADE PK	\$7,160.00
1411190916	SURF RD	Starting at: 485 SURF RD	Ending at: CRESCENT BEACH DR	\$48,680.00

1411190912	SURF RD	Starting at: SHORE RD	Ending at: 485 SURF RD	\$62,400.00
1411160811	TALLWOOD LN	Starting at: LAKEWOOD PKWY	Ending at: OAKCREST DR	\$27,175.00
1411160744	TALLWOOD LN	Starting at: OAKCREST DR	Ending at: WOODRIDGE DR	\$17,425.00
1411160807	TALLWOOD LN	Starting at: WOODRIDGE DR	Ending at: LAKEWOOD PKWY	\$27,400.00
1411210517	TEMPLE	Starting at: ROCKLAND	Ending at: TEMPLE END	\$25,580.00
1411150802	THIBAUT PKWY	Starting at: COLCHESTER AV	Ending at: THIBAUT PKWY END	\$31,715.00
1411150807	THIBAUT PKWY	Starting at: THIBAUT PKWY END	Ending at: 14 THIBAUT PKWY	\$22,990.00
1411200728	TRACY DR	Starting at: NORTH AV	Ending at: GREY MEADOW DR	\$238,960.00
1411200940	TURF RD	Starting at: BARLEY RD	Ending at: CLOVER LN	\$13,565.00
1411200942	TURF RD	Starting at: CLOVER LN	Ending at: PLATTSBURG AV	\$27,600.00
1411200911	TURF RD	Starting at: PLATTSBURG AV	Ending at: NORTH AV	\$71,275.00
1411130521	UNIVERSITY PL	Starting at: MAIN	Ending at: COLCHESTER AV	\$126,440.00
1411150542	UNIVERSITY TERR	Starting at: MAIN	Ending at: UNIVERSITY TERR END	\$44,985.00
1411150548	UNIVERSITY TERR	Starting at: UNIVERSITY TERR END	Ending at: MAIN	\$91,800.00
1411210630	VAN PATTEN PKWY	Starting at: 108 VAN PATTEN PKWY	Ending at: VILLAGE GREEN	\$119,730.00
1411210620	VAN PATTEN PKWY	Starting at: BILLINGS CT	Ending at: 108 VAN PATTEN PKWY	\$55,620.00
1411210603	VAN PATTEN PKWY	Starting at: BROOK DR	Ending at: BROOK DR	\$72,000.00
1411210706	VAN PATTEN PKWY	Starting at: MORRILL DR	Ending at: RIVERMOUNT TERR	\$78,485.00
1411210509	VAN PATTEN PKWY	Starting at: RIVERMOUNT TERR	Ending at: ROCKLAND	\$62,775.00
1411210635	VAN PATTEN PKWY	Starting at: VILLAGE GREEN	Ending at: MORRILL DR	\$64,085.00
1411181038	VENUS AV	Starting at: MERIDIAN	Ending at: VENUS AV END	\$47,400.00
1411181101	VENUS AV	Starting at: SUNSET DR	Ending at: MERIDIAN	\$88,410.00
1411181051	VENUS AV	Starting at: VENUS AV END	Ending at: SUNSET DR	\$188,325.00
1411191234	VILLAGE GREEN	Starting at: NORTH AV	Ending at: END OF SIDEWALK ON VILLAGE GREEN	\$2,100.00
1411191225	VILLAGE GREEN	Starting at: SARATOGA AV	Ending at: VAN PATTEN PKWY	\$37,450.00
1411191233	VILLAGE GREEN	Starting at: VAN PATTEN PKWY	Ending at: NORTH AV	\$73,145.00
1411190511	VINE	Starting at: BRIERWOOD LN	Ending at: SHORE RD	\$51,380.00
1411190515	VINE	Starting at: SHORE RD	Ending at: BRIERWOOD LN	\$32,735.00
1410310754	WALNUT	Starting at: ARCHIBALD	Ending at: WILLOW	\$43,647.00
1410310700	WALNUT	Starting at: MANHATTAN DR	Ending at: OAK	\$6,925.00
1410310656	WALNUT	Starting at: OAK	Ending at: MANHATTAN DR	\$61,150.00
1411120813	WALNUT	Starting at: SPRING	Ending at: ARCHIBALD	\$13,450.00
1411140705	WARD	Starting at: BLODGETT	Ending at: MANHATTAN DR	\$5,450.00
1411140725	WARD	Starting at: DREW	Ending at: BLODGETT	\$20,925.00
1411140713	WARD	Starting at: MANHATTAN DR	Ending at: NORTH AV	\$29,600.00
1411140716	WARD	Starting at: NORTH AV	Ending at: DREW	\$16,800.00
1411120506	WASHINGTON	Starting at: CONVENT SQ	Ending at: NORTH AV	\$12,728.00
1411120513	WASHINGTON	Starting at: MANHATTAN DR	Ending at: CONVENT SQ	\$7,200.00
1411120511	WASHINGTON	Starting at: NORTH AV	Ending at: MANHATTAN DR	\$19,600.00
1410210618	WELLS	Starting at: HOME AV	Ending at: 340 WELLS	\$21,860.00
1411110655	WESTON	Starting at: HENRY	Ending at: LOOMIS	\$17,985.00
1411110614	WESTON	Starting at: LOOMIS	Ending at: HENRY	\$22,388.00
1411190621	WILDWOOD DR	Starting at: DALE RD	Ending at: SHORE RD	\$1,154,075.00
1411190638	WILDWOOD DR	Starting at: GLENWOOD LN	Ending at: HOLLY LN	\$19,450.00
1411190648	WILDWOOD DR	Starting at: HOLLY LN	Ending at: DALE RD	\$17,750.00
1411190628	WILDWOOD DR	Starting at: SHORE RD	Ending at: GLENWOOD LN	\$73,275.00
1410310846	WILLOW	Starting at: INTERVALE AV	Ending at: ST MARYS	\$29,635.00
1410310816	WILLOW	Starting at: ST LOUIS	Ending at: INTERVALE AV	\$45,415.00

1410310757	WILLOW	Starting at: WALNUT	Ending at: ST LOUIS	\$22,600.00
1411110634	WILSON	Starting at: MANSFIELD AV	Ending at: N PROSPECT	\$30,025.00
1411110628	WILSON	Starting at: N PROSPECT	Ending at: MANSFIELD AV	\$48,810.00
1411201240	WING	Starting at: 25 WING	Ending at: 15 WING	\$24,695.00
1411201234	WING	Starting at: SIMMS	Ending at: DEWEY DR	\$56,000.00
1411160604	WOODBURY RD	Starting at: NORTH AV	Ending at: STANBURY RD	\$212,900.00
1411160546	WOODBURY RD	Starting at: STANBURY RD	Ending at: NORTH AV	\$236,050.00
1411160526	WOODLAWN RD	Starting at: NORTH AV	Ending at: STANBURY RD	\$229,375.00
1411160507	WOODLAWN RD	Starting at: STANBURY RD	Ending at: NORTH AV	\$165,770.00
1411160803	WOODRIDGE DR	Starting at: BIRCHWOOD LN	Ending at: TALLWOOD LN	\$7,725.00
1411160752	WOODRIDGE DR	Starting at: LAKEWOOD PKWY	Ending at: BIRCHWOOD LN	\$14,870.00
1411160750	WOODRIDGE DR	Starting at: TALLWOOD LN	Ending at: LAKEWOOD PKWY	\$52,615.00
1410221323	WRIGHT AV	Starting at: CENTRAL AV	Ending at: WRIGHT AV END	\$65,855.00
1410221310	WRIGHT AV	Starting at: CONGER AV	Ending at: CENTRAL AV	\$35,395.00
1410221325	WRIGHT AV	Starting at: WRIGHT AV	Ending at: CENTRAL AV	\$13,200.00
1411160633	YORK DR	Starting at: OAKLAND TERR	Ending at: WESTERN AV	\$24,800.00
1411160637	YORK DR	Starting at: WESTERN AV	Ending at: OAKLAND TERR	\$28,125.00
1410201217	BAIRD	Starting at: PINE	Ending at: S MEADOW DR	\$27,645.00
1410201259	BAIRD	Starting at: RAYMOND PL	Ending at: PINE	\$11,520.00
1410201256	BAIRD	Starting at: S MEADOW DR	Ending at: RAYMOND PL	\$25,488.00
1411191028	CUMBERLAND RD	Starting at: APPLETREE PT RD	Ending at: CUMBERLAND RD END	\$197,800.00
1411191034	CUMBERLAND RD	Starting at: CUMBERLAND RD END	Ending at: EDINBOROUGH DR	\$84,130.00
1411191015	CUMBERLAND RD	Starting at: EDINBOROUGH DR	Ending at: APPLETREE PT RD	\$52,650.00
1411150640	EAST VILLAGE DR	Starting at: EAST AV	Ending at: EAST VILLAGE DR END	\$30,925.00
1411131208	HILLSIDE TERR	Starting at: HILDRED DR	Ending at: RIVERSIDE AV	\$16,800.00
1411131052	HILLSIDE TERR	Starting at: RIVERSIDE AV	Ending at: RIVERSIDE AV	\$126,785.00
1411161313	MUIRFIELD RD	Starting at: APPLETREE PT RD	Ending at: EDINBOROUGH DR	\$7,600.00
1411161321	MUIRFIELD RD	Starting at: EDINBOROUGH DR	Ending at: NOTTINGHAM LN	\$55,540.00
1411161310	MUIRFIELD RD	Starting at: NOTTINGHAM LN	Ending at: APPLETREE PT RD	\$39,010.00
1410201246	RAYMOND PL	Starting at: BAIRD	Ending at: S MEADOW DR	\$20,512.00
1410201237	RAYMOND PL	Starting at: S MEADOW DR	Ending at: HOME AV	\$46,310.00
1411161256	WESTMINSTER DR	Starting at: APPLETREE PT RD	Ending at: NOTTINGHAM LN	\$103,200.00
1411161249	WESTMINSTER DR	Starting at: NOTTINGHAM LN	Ending at: APPLETREE PT RD	\$63,240.00

Total Cost for Sidewalks / Routes

\$73,007,448.50



CITY OF BURLINGTON

Appendix D

Curb Ramps Budget Allocation



Planned Repair Date: FY 17			\$663,099.00
Repair Project: 5 Year Paving Plan			\$497,799.00
BATTERY and KING			\$4,800.00
1136	Blended Transition	ENE	\$2,800.00
1135	Blended Transition	ESE	\$2,000.00
ENT/EXT RAMP TOWN and NORTH AV			\$18,300.00
1641	Perpendicular	ESE	\$2,800.00
1642	Blended Transition	NE	\$2,800.00
1644	Blended Transition	NE	\$2,800.00
1638	Perpendicular	NW	\$2,800.00
1643	Perpendicular	SE	\$2,800.00
1640	Blended Transition	SSE	\$2,800.00
1639	Parallel	SW	\$1,500.00
MANHATTAN DR and OAK			\$7,100.00
5631	Blended Transition	NE	\$1,500.00
5632	Perpendicular	NW	\$2,800.00
5630	Blended Transition	SE	\$2,800.00
MANHATTAN DR and PARK			\$2,500.00
1529	Blended Transition	SE	\$1,000.00
1530	Blended Transition	SW	\$1,500.00
MANHATTAN DR and N CHAMPLAIN			\$4,800.00
1542	Perpendicular	SE	\$2,800.00
1541	Blended Transition	SW	\$2,000.00
MANHATTAN DR and PITKIN			\$4,800.00
1485	Perpendicular	SE	\$2,000.00
1484	Perpendicular	SW	\$2,800.00
MANHATTAN DR and ROSE			\$5,600.00
1544	Perpendicular	SE	\$2,800.00
1543	Perpendicular	SW	\$2,800.00
MANHATTAN DR and SPRING			\$8,400.00
1559	Driveway	NE	\$2,800.00
1558	Perpendicular	SE	\$2,800.00
1557	Perpendicular	SW	\$2,800.00
NORTH AV and			\$18,200.00
1627	Blended Transition	E	\$2,800.00
1714	Driveway	NE	\$1,000.00
1713	Blended Transition	NW	\$2,000.00
1827	Blended Transition	NW	\$1,000.00
1715	Perpendicular	SE	\$2,800.00
1712	Blended Transition	SW	\$1,500.00
1828	Blended Transition	SW	\$1,500.00
1469	Perpendicular	W	\$2,800.00
1628	Perpendicular	W	\$2,800.00
NORTH AV and NORTH ST			\$10,100.00
1445	Parallel	NE	\$3,000.00
1446	Perpendicular	NW	\$2,800.00

1444	Perpendicular	SE	\$1,500.00
1443	Perpendicular	SW	\$2,800.00
NORTH AV and SHERMAN			\$14,200.00
1438	Perpendicular	ENE	\$2,800.00
1439	Perpendicular	NNE	\$2,800.00
1440	Perpendicular	NNW	\$1,500.00
1437	Perpendicular	SE	\$2,800.00
1436	Blended Transition	SW	\$2,800.00
1441	Blended Transition	WNW	\$1,500.00
NORTH AV and PENNINGTON DR			\$4,300.00
2159	Perpendicular	NE	\$2,800.00
2160	Perpendicular	NW	\$1,500.00
NORTH AV and POIRIER PL			\$4,800.00
1717	Blended Transition	NE	\$2,000.00
1716	Perpendicular	SE	\$2,800.00
NORTH AV and SARATOGA AV			\$5,600.00
1646	Perpendicular	NE	\$2,800.00
1645	Perpendicular	SE	\$2,800.00
NORTH AV and SHORE RD			\$5,600.00
1719	Perpendicular	NW	\$2,800.00
1718	Perpendicular	SW	\$2,800.00
NORTH AV and SIMMS			\$3,800.00
2162	Perpendicular	NW	\$1,000.00
2161	Perpendicular	SW	\$2,800.00
NORTH AV and STANIFORD RD			\$5,600.00
1839	Blended Transition	NW	\$2,800.00
1836	Perpendicular	SW	\$2,800.00
NORTH AV and STARR FARM RD			\$6,600.00
2153	Blended Transition	NW	\$1,000.00
2156	Shoulder	SE	\$0.00
2155	Perpendicular	SSW	\$2,800.00
2154	Perpendicular	WSW	\$2,800.00
NORTH AV and STRONG			\$8,100.00
1457	Perpendicular	ESE	\$2,800.00
1458	Blended Transition	NE	\$1,000.00
1456	Perpendicular	SSE	\$2,800.00
1455	Perpendicular	SW	\$1,500.00
NORTH AV and SUNSET CT			\$0.00
1473	Driveway	W	\$0.00
NORTH AV and TRACY DR			\$4,399.00
2147	Under Construction	E	\$99.00
2149	Parallel	NW	\$1,500.00
2150	Blended Transition	SW	\$2,800.00
2148	Perpendicular	W	\$0.00
NORTH AV and VILLAGE GREEN			\$12,700.00
1674	Blended Transition	ENE	\$2,800.00

1673	Perpendicular	NNE	\$2,800.00
1677	Blended Transition	NW	\$1,500.00
1675	Perpendicular	SE	\$2,800.00
1676	Blended Transition	SW	\$2,800.00
NORTH AV and WARD			\$7,100.00
1460	Perpendicular	ESE	\$2,800.00
1461	Perpendicular	NE	\$1,500.00
1459	Perpendicular	SSE	\$2,800.00
NORTH AV and WASHINGTON			\$5,800.00
1471	Perpendicular	ESE	\$1,500.00
1472	Perpendicular	NE	\$1,500.00
1470	Perpendicular	SSE	\$2,800.00
NORTH AV and WEST RD			\$5,600.00
2151	Perpendicular	NW	\$2,800.00
2152	Perpendicular	SW	\$2,800.00
NORTH AV and WESTWARD DR			\$5,600.00
1909	Perpendicular	NW	\$2,800.00
1908	Perpendicular	SW	\$2,800.00
NORTH AV and WOODBURY RD			\$12,200.00
1834	Blended Transition	ENE	\$1,000.00
1833	Perpendicular	NNE	\$2,800.00
1832	Blended Transition	NW	\$2,800.00
1835	Perpendicular	SE	\$2,800.00
1831	Perpendicular	SW	\$2,800.00
NORTH AV and WOODLAWN RD			\$5,600.00
1830	Blended Transition	NW	\$2,800.00
1829	Perpendicular	SW	\$2,800.00
NORTH ST and PITKIN			\$5,600.00
1521	Perpendicular	NE	\$2,800.00
1520	Perpendicular	NW	\$2,800.00
ARLINGTON CT and HEINEBERG RD			\$11,200.00
1936	Perpendicular	NE	\$2,800.00
1937	Perpendicular	SE	\$2,800.00
1940	Perpendicular	SE	\$2,800.00
1941	Blended Transition	SW	\$2,800.00
AUSTIN DR and HOME AV			\$6,000.00
5010	Parallel	SE	\$3,000.00
5009	Parallel	SW	\$3,000.00
AUSTIN DR and REDSTONE CONDO			\$4,800.00
5007	Blended Transition	SE	\$2,800.00
5008	Blended Transition	SW	\$2,000.00
BARLEY RD and NORTH AV			\$6,600.00
1882	Perpendicular	NE	\$2,800.00
1880	Perpendicular	SE	\$2,800.00
1881	Blended Transition	SW	\$1,000.00
BERRY and NORTH AV			\$5,600.00

1468	Perpendicular	NW	\$2,800.00
1467	Perpendicular	SW	\$2,800.00
BIRCH CT and NORTH AV			\$5,600.00
1852	Perpendicular	NE	\$2,800.00
1851	Perpendicular	SE	\$2,800.00
BROWE CT and NORTH AV			\$4,300.00
2158	Blended Transition	NW	\$1,500.00
2157	Perpendicular	SW	\$2,800.00
CANFIELD and NORTH AV			\$4,300.00
1453	Perpendicular	NW	\$2,800.00
1454	Perpendicular	SW	\$1,500.00
CONVENT SQ and NORTH AV			\$4,300.00
1474	Blended Transition	NE	\$1,500.00
1475	Blended Transition	SE	\$2,800.00
CONVERSE CT and HICKOK PL			\$4,300.00
5446	Perpendicular	NE	\$1,500.00
5445	Blended Transition	NW	\$2,800.00
CROSS PKWY and NORTH AV			\$2,000.00
1841	Blended Transition	NW	\$1,000.00
1840	Perpendicular	SW	\$1,000.00
CROWLEY and NORTH AV			\$4,300.00
1463	Perpendicular	NE	\$2,800.00
1462	Perpendicular	SE	\$1,500.00
DERWAY DR and NORTH AV			\$5,800.00
1903	Parallel	NW	\$3,000.00
1904	Perpendicular	SW	\$2,800.00
DEWEY DR and NORTH AV			\$5,600.00
2168	Perpendicular	NW	\$2,800.00
2169	Perpendicular	SW	\$2,800.00
DODDS CT and NORTH AV			\$3,000.00
1825	Blended Transition	NW	\$1,500.00
1826	Perpendicular	SW	\$1,500.00
EDGEMOOR DR and NORTH AV			\$2,000.00
1838	Blended Transition	NE	\$1,000.00
1837	Blended Transition	SE	\$1,000.00
ELMWOOD AV and GRANT			\$4,800.00
1397	Perpendicular	NE	\$2,800.00
1396	Perpendicular	SE	\$2,000.00
ETHAN ALLEN PKWY and NORTH AV			\$17,000.00
1683	Perpendicular	ENE	\$2,800.00
1681	Curb Ramp Not Provided	N	\$3,000.00
1682	Perpendicular	NE	\$2,800.00
1684	Perpendicular	NNE	\$2,800.00
1680	Blended Transition	NNW	\$2,800.00
1679	Perpendicular	WNW	\$2,800.00
ETHAN ALLEN PKWY and MOORE DR			\$8,800.00

1967	Curb Ramp Not Provided	ENE	\$3,000.00
1965	Curb Ramp Not Provided	ESE	\$3,000.00
1968	Perpendicular	NNE	\$2,800.00
1966	Blended Transition	SSE	\$0.00
FAIRHOLT and NORTH AV			\$4,300.00
1910	Blended Transition	NW	\$1,500.00
1912	Perpendicular	SW	\$2,800.00
FARRINGTON PKWY and HEINEBERG RD			\$5,600.00
1932	Perpendicular	SE	\$2,800.00
1933	Perpendicular	SW	\$2,800.00
FOREST and NORTH AV			\$13,300.00
2171	Curb Ramp Not Provided	NE	\$3,000.00
2172	Curb Ramp Not Provided	NNW	\$3,000.00
2170	Curb Ramp Not Provided	SE	\$3,000.00
2174	Blended Transition	SW	\$1,500.00
2173	Perpendicular	WNW	\$2,800.00
FOREST and N VIEW DR			\$6,000.00
1901	Curb Ramp Not Provided	NW	\$3,000.00
1902	Curb Ramp Not Provided	SE	\$3,000.00
FRANKLIN SQ and NORTH AV			\$5,800.00
2146	Blended Transition	NE	\$3,000.00
2145	Perpendicular	SE	\$2,800.00
GOSSE CT and NORTH AV			\$5,600.00
1824	Blended Transition	NE	\$2,800.00
1823	Blended Transition	SE	\$2,800.00
GRANT and N WINOOSKI AV			\$14,200.00
5596	Perpendicular	ENE	\$2,800.00
5595	Perpendicular	NNE	\$2,800.00
5594	Perpendicular	NNW	\$1,500.00
5597	Perpendicular	SE	\$1,500.00
5592	Perpendicular	SW	\$2,800.00
5593	Perpendicular	WNW	\$2,800.00
GRANT and N UNION			\$5,600.00
5441	Perpendicular	NW	\$2,800.00
5442	Perpendicular	SW	\$2,800.00
GREENE and HICKOK PL			\$10,400.00
5450	Perpendicular	NE	\$2,800.00
5447	Perpendicular	NW	\$2,800.00
5449	Blended Transition	SE	\$2,000.00
5448	Blended Transition	SW	\$2,800.00
HASWELL and NORTH AV			\$4,300.00
1449	Perpendicular	NW	\$1,500.00
1450	Perpendicular	SW	\$2,800.00
HEINEBERG RD and NORTH AV			\$8,400.00
1721	Perpendicular	NE	\$2,800.00
1720	Perpendicular	NW	\$2,800.00
1722	Perpendicular	SE	\$2,800.00

HEINEBERG RD and MARSHALL DR			\$5,600.00
1938	Perpendicular	NW	\$2,800.00
1939	Perpendicular	SW	\$2,800.00
HEINEBERG RD and POIRIER PL			\$5,600.00
1942	Perpendicular	SE	\$2,800.00
1943	Perpendicular	SW	\$2,800.00
HICKOK PL and ISHAM			\$2,800.00
5451	Perpendicular	NW	\$2,800.00
HICKOK PL and N UNION			\$5,600.00
5443	Perpendicular	NE	\$2,800.00
5444	Perpendicular	SE	\$2,800.00
INSTITUTE RD and NORTH AV			\$11,400.00
1630	Blended Transition	ESE	\$1,500.00
1629	Perpendicular	NE	\$1,500.00
1633	Perpendicular	NW	\$2,800.00
1631	Perpendicular	SSE	\$2,800.00
1632	Perpendicular	SW	\$2,800.00
ISHAM and LOOMIS			\$5,600.00
5453	Perpendicular	SE	\$2,800.00
5452	Perpendicular	SW	\$2,800.00
KING and PINE			\$11,200.00
1149	Perpendicular	NNW	\$2,800.00
1146	Perpendicular	SSW	\$2,800.00
1148	Perpendicular	WNW	\$2,800.00
1147	Perpendicular	WSW	\$2,800.00
KING and S CHAMPLAIN			\$21,100.00
1141	Perpendicular	ENE	\$2,800.00
1142	Perpendicular	ESE	\$2,800.00
1140	Perpendicular	NNE	\$2,800.00
1138	Perpendicular	NNW	\$2,800.00
1143	Perpendicular	SSE	\$2,800.00
1144	Perpendicular	SSW	\$2,800.00
1139	Perpendicular	WNW	\$2,800.00
1145	Perpendicular	WSW	\$1,500.00
LAKEVIEW TERR and NORTH AV			\$1,000.00
1442	Blended Transition	W	\$1,000.00
LAKEWOOD PKWY and NORTH AV			\$5,600.00
1688	Blended Transition	NW	\$2,800.00
1687	Perpendicular	SW	\$2,800.00
LEDDY PK RD and NORTH AV			\$3,500.00
1711	Perpendicular	NW	\$1,500.00
1710	Blended Transition	SW	\$2,000.00
LITTLE EAGLE BAY RD and NORTH AV			\$2,800.00
1678	Driveway	NW	\$2,800.00
MOORE CT and MOORE DR			\$6,000.00
1970	Curb Ramp Not Provided	NE	\$3,000.00

1971	Curb Ramp Not Provided	SE	\$3,000.00
NORTHGATE RD and			\$2,800.00
2175	Perpendicular	SW	\$2,800.00
PITKIN and STRONG			\$5,600.00
1486	Perpendicular	NW	\$2,800.00
1487	Perpendicular	SW	\$2,800.00
Repair Project: General Funds			\$165,300.00
COLCHESTER AV and BARRETT			\$3,000.00
2052	Curb Ramp Not Provided	ESE	\$3,000.00
MAIN and S CHAMPLAIN			\$2,800.00
1226	Perpendicular	WNW	\$2,800.00
MAIN and S UNION			\$7,600.00
5425	Perpendicular	ENE	\$2,800.00
5424	Perpendicular	NNE	\$2,800.00
5426	Perpendicular	SE	\$2,000.00
S WILLARD and			\$3,000.00
5291	Curb Ramp Not Provided	E	\$3,000.00
S WINOOSKI AV and SPRUCE			\$5,600.00
5220	Perpendicular	NW	\$2,800.00
5223	Perpendicular	SW	\$2,800.00
SHELBURNE RD and S UNION			\$3,000.00
5144	Curb Ramp Not Provided	E	\$3,000.00
BATTERY and PARK			\$2,800.00
1347	Perpendicular	NE	\$2,800.00
BATTERY and COLLEGE			\$2,800.00
1250	Perpendicular	NE	\$2,800.00
EAST AV and UNIVERSITY RD			\$3,000.00
2028	Curb Ramp Not Provided	NW	\$3,000.00
PINE and S CREST DR			\$3,000.00
5016	Curb Ramp Not Provided	SE	\$3,000.00
PLATTSBURG AV and ST FRANCIS PARK			\$3,000.00
1890	Curb Ramp Not Provided	SE	\$3,000.00
ALLEN and MURRAY			\$6,000.00
1417	Curb Ramp Not Provided	NW	\$3,000.00
1416	Curb Ramp Not Provided	SW	\$3,000.00
ARCHIBALD and N WINOOSKI AV			\$1,500.00
5606	Perpendicular	ESE	\$1,500.00
ARCHIBALD and INTERVALE AV			\$2,800.00
1582	Perpendicular	SE	\$2,800.00
ARCHIBALD and SPRING			\$3,000.00
1560	Curb Ramp Not Provided	SE	\$3,000.00
ARLINGTON CT and ARLINGTON CT			\$6,000.00
1935	Curb Ramp Not Provided	NE	\$3,000.00
1934	Curb Ramp Not Provided	SW	\$3,000.00
BILODEAU CT and EAST AV			\$6,000.00

2019	Curb Ramp Not Provided	NNE	\$3,000.00
2020	Curb Ramp Not Provided	NW	\$3,000.00
BORESTONE LN and RIVER'S EDGE DR			\$9,000.00
1900	Curb Ramp Not Provided	NE	\$3,000.00
1898	Curb Ramp Not Provided	NW	\$3,000.00
1899	Curb Ramp Not Provided	SE	\$3,000.00
BRADLEY and HUNGERFORD TERR			\$2,800.00
5306	Perpendicular	NE	\$2,800.00
BRADLEY and S UNION			\$2,800.00
5319	Perpendicular	NE	\$2,800.00
BRIGGS and FERGUSON AV			\$6,000.00
5054	Curb Ramp Not Provided	NE	\$3,000.00
5053	Curb Ramp Not Provided	SE	\$3,000.00
BRIGGS and LYMAN AV			\$6,000.00
5052	Curb Ramp Not Provided	NE	\$3,000.00
5051	Curb Ramp Not Provided	SE	\$3,000.00
BUELL and S UNION			\$2,800.00
5321	Perpendicular	NE	\$2,800.00
CHARLOTTE and LOCUST			\$3,000.00
5128	Curb Ramp Not Provided	SE	\$3,000.00
CLOAREC CT and INTERVALE AV			\$1,500.00
1590	Driveway	E	\$1,500.00
COLLEGE and S WILLARD			\$2,800.00
5341	Perpendicular	SW	\$2,800.00
COLLEGE and S WINOOSKI AV			\$2,800.00
1289	Perpendicular	NE	\$2,800.00
COLLEGE and LAKE			\$2,800.00
1245	Perpendicular	SSE	\$2,800.00
DEWEY DR and EDSON			
2166	Curb Ramp Not Provided	SE	
DEWEY DR and WING			\$6,000.00
2164	Curb Ramp Not Provided	SE	\$3,000.00
2165	Curb Ramp Not Provided	SW	\$3,000.00
HARRINGTON TERR and JACKSON CT			\$3,000.00
5270	Curb Ramp Not Provided	NW	\$3,000.00
HILLCREST RD and LEDGE RD			\$3,000.00
1089	Curb Ramp Not Provided	SW	\$3,000.00
JANET CIR and			\$6,000.00
2012	Curb Ramp Not Provided	NE	\$3,000.00
2013	Curb Ramp Not Provided	SE	\$3,000.00
LEDGEMERE and MARIAN			\$3,000.00
5136	Curb Ramp Not Provided	SE	\$3,000.00
LYMAN AV and RICHARDSON			\$6,000.00
5069	Curb Ramp Not Provided	NW	\$3,000.00
5070	Curb Ramp Not Provided	SW	\$3,000.00

LYMAN AV and WELLS			\$3,000.00
5077	Curb Ramp Not Provided	NE	\$3,000.00
RICHARDSON and SCARFF AV			\$3,000.00
5073	Curb Ramp Not Provided	SE	\$3,000.00
ROSEADE PKWY and ROSEADE PKWY			\$3,000.00
1924	Curb Ramp Not Provided	SW	\$3,000.00
S UNION and SPRUCE			\$2,800.00
5231	Perpendicular	NE	\$2,800.00
SPRING and WALNUT			\$3,000.00
1570	Curb Ramp Not Provided	N	\$3,000.00
SPRUCE and SPRUCE CT			\$4,300.00
5224	Perpendicular	NE	\$2,800.00
5225	Blended Transition	NW	\$1,500.00
UNIVERSITY PL and			\$9,000.00
2107	Curb Ramp Not Provided	E	\$3,000.00
2112	Curb Ramp Not Provided	E	\$3,000.00
2116	Curb Ramp Not Provided	E	\$3,000.00
WALNUT and WILLOW			\$3,000.00
1573	Curb Ramp Not Provided	SE	\$3,000.00

Planned Repair Date: FY 18			\$349,900.00
Repair Project: 5 Year Paving Plan			\$121,400.00
BATTERY and CHERRY			\$14,000.00
1354	Perpendicular	ENE	\$2,800.00
1353	Blended Transition	NNE	\$2,800.00
1357	Blended Transition	NW	\$2,800.00
1355	Perpendicular	SE	\$2,800.00
1356	Perpendicular	SW	\$2,800.00
AUSTIN DR and DUNDER RD			\$6,000.00
5003	Curb Ramp Not Provided	SE	\$3,000.00
5004	Curb Ramp Not Provided	SW	\$3,000.00
AUSTIN DR and S COVE RD			\$8,400.00
5000	Perpendicular	SE	\$2,800.00
5002	Perpendicular	SE	\$2,800.00
5001	Perpendicular	SW	\$2,800.00
AUSTIN DR and Waterfront Bike Path			\$2,000.00
5006	Blended Transition	N	\$1,000.00
5005	Perpendicular	S	\$1,000.00
CATHEDRAL SQ and CHERRY			\$4,800.00
1351	Perpendicular	N	\$2,000.00
1350	Blended Transition	S	\$2,800.00
CHERRY and			\$2,800.00
1352	Perpendicular	N	\$2,800.00
CHERRY and S WINOOSKI AV			\$11,400.00
1297	Perpendicular	NE	\$2,800.00
1296	Perpendicular	NW	\$3,000.00
1298	Perpendicular	SE	\$2,800.00
1295	Perpendicular	SW	\$2,800.00
CHERRY and ST PAUL			\$14,000.00
1331	Perpendicular	NE	\$2,800.00
1327	Perpendicular	NNW	\$2,800.00
1330	Perpendicular	SE	\$2,800.00
1329	Perpendicular	SW	\$2,800.00
1328	Perpendicular	WNW	\$2,800.00
CHERRY and PINE			\$11,400.00
1332	Perpendicular	NE	\$2,800.00
1335	Parallel	NW	\$3,000.00
1333	Perpendicular	SE	\$2,800.00
1334	Perpendicular	SW	\$2,800.00
CHERRY and CHURCH			\$1,000.00
1304	Blended Transition	N & S	\$1,000.00
CLIFF and S PROSPECT			\$5,600.00
1115	Perpendicular	NW	\$2,800.00
1116	Perpendicular	SW	\$2,800.00
CLIFF and OVERLAKE PK			\$5,600.00
5185	Perpendicular	NE	\$2,800.00

5182	Perpendicular	SE	\$2,800.00
CURTIS AV and CURTIS AV			\$6,000.00
1876	Curb Ramp Not Provided	NE	\$3,000.00
1877	Curb Ramp Not Provided	NW	\$3,000.00
CURTIS AV and STARR FARM RD			\$11,200.00
1872	Perpendicular	SE	\$2,800.00
1875	Perpendicular	SE	\$2,800.00
1874	Blended Transition	SW	\$2,800.00
1873	Perpendicular	SW	\$2,800.00
PLEASANT AV and			\$3,000.00
1879	Curb Ramp Not Provided	NW	\$3,000.00
PLEASANT AV and PLEASANT AV			\$3,000.00
1878	Curb Ramp Not Provided	NE	\$3,000.00
PLEASANT AV and STARR FARM RD			\$11,200.00
1868	Perpendicular	SE	\$2,800.00
1869	Perpendicular	SE	\$2,800.00
1867	Perpendicular	SW	\$2,800.00
1870	Perpendicular	SW	\$2,800.00
Repair Project: CIP: Colchester Ave from East to Prospect, S side			\$14,000.00
COLCHESTER AV and			\$2,800.00
2092	Blended Transition	SW	\$2,800.00
COLCHESTER AV and MANSFIELD AV			\$5,600.00
2093	Perpendicular	SE	\$2,800.00
2098	Perpendicular	SW	\$2,800.00
COLCHESTER AV and UNIVERSITY PL			\$5,600.00
2099	Perpendicular	ESE	\$2,800.00
2100	Perpendicular	SSE	\$2,800.00
Repair Project: CIP: Main St from Church St to Pine St			\$54,300.00
MAIN and			\$2,800.00
1204	Perpendicular	S	\$2,800.00
MAIN and ST PAUL			\$16,800.00
1210	Perpendicular	ENE	\$2,800.00
1205	Blended Transition	ESE	\$2,800.00
1209	Perpendicular	NNE	\$2,800.00
1208	Perpendicular	NW	\$2,800.00
1206	Perpendicular	SSE	\$2,800.00
1207	Blended Transition	SSW	\$2,800.00
MAIN and PINE			\$21,600.00
1212	Perpendicular	ENE	\$2,800.00
1213	Perpendicular	ESE	\$2,800.00
1211	Perpendicular	NNE	\$2,800.00
1218	Blended Transition	NNW	\$2,000.00
1214	Perpendicular	SSE	\$2,800.00
1215	Perpendicular	SSW	\$2,800.00
1217	Perpendicular	WNW	\$2,800.00
1216	Perpendicular	WSW	\$2,800.00

CHURCH and MAIN			\$13,100.00
1203	Blended Transition	ENE	\$1,500.00
1202	Blended Transition	NNE	\$1,500.00
1201	Blended Transition	NNW	\$1,500.00
1197	Blended Transition	SE	\$1,500.00
1198	Blended Transition	SSW	\$1,500.00
1200	Blended Transition	WNW	\$2,800.00
1199	Perpendicular	WSW	\$2,800.00
Repair Project: General Funds			\$160,200.00
COLCHESTER AV and EAST AV			\$2,800.00
2083	Perpendicular	SW	\$2,800.00
MAIN and S WINOOSKI AV			\$5,600.00
1194	Perpendicular	NE	\$2,800.00
1195	Blended Transition	SE	\$2,800.00
MAIN and S CHAMPLAIN			\$5,600.00
1223	Perpendicular	ENE	\$2,800.00
1222	Perpendicular	ESE	\$2,800.00
MAIN and S UNION			\$4,300.00
5423	Perpendicular	NNW	\$2,800.00
5422	Perpendicular	WNW	\$1,500.00
N WINOOSKI AV and NORTH ST			\$2,800.00
1613	Perpendicular	SW	\$2,800.00
N WINOOSKI AV and PEARL			\$1,500.00
1310	Perpendicular	NW	\$1,500.00
ST PAUL and			\$2,800.00
5200	Perpendicular	E	\$2,800.00
ST PAUL and HOWARD			\$2,800.00
5147	Perpendicular	SE	\$2,800.00
ST PAUL and SPRUCE			\$5,600.00
5199	Perpendicular	NE	\$2,800.00
5198	Perpendicular	SE	\$2,800.00
BATTERY and PARK			\$2,800.00
1348	Perpendicular	SE	\$2,800.00
N PROSPECT and NORTH ST			\$2,800.00
5520	Perpendicular	SW	\$2,800.00
NORTH ST and PARK			\$2,800.00
1527	Perpendicular	ESE	\$2,800.00
ADAMS and S WINOOSKI AV			\$2,800.00
5213	Perpendicular	SW	\$2,800.00
ADAMS and S UNION			\$1,500.00
5234	Perpendicular	SW	\$1,500.00
ARCHIBALD and N WINOOSKI AV			\$2,800.00
5608	Perpendicular	SSW	\$2,800.00
ARCHIBALD and HYDE			\$4,800.00
5558	Perpendicular	SE	\$2,800.00

5559	Perpendicular	SW	\$2,000.00
ARCHIBALD and INTERVALE AV			\$2,800.00
1580	Perpendicular	NW	\$2,800.00
BANK and PINE			\$5,600.00
1266	Perpendicular	NE	\$2,800.00
1263	Perpendicular	SE	\$2,800.00
BLODGETT and STRONG			\$2,800.00
1492	Perpendicular	WNW	\$2,800.00
BORESTONE LN and BORESTONE LN			\$3,000.00
1897	Curb Ramp Not Provided	SW	\$3,000.00
BRADLEY and HUNGERFORD TERR			\$2,800.00
5308	Perpendicular	SW	\$2,800.00
BRADLEY and S UNION			\$2,800.00
5318	Perpendicular	SE	\$2,800.00
BROWNS CT and KING			\$1,500.00
1172	Driveway	S	\$1,500.00
CEDAR and LAFOUNTAIN			\$8,400.00
1550	Perpendicular	NW	\$2,800.00
1552	Perpendicular	SE	\$2,800.00
1549	Perpendicular	SW	\$2,800.00
CENTER and COLLEGE			\$2,800.00
1283	Perpendicular	NW	\$2,800.00
COLLEGE and S WINOOSKI AV			\$1,500.00
1290	Blended Transition	SE	\$1,500.00
COLLEGE and PINE			\$5,600.00
1260	Perpendicular	NE	\$2,800.00
1259	Perpendicular	NW	\$2,800.00
COLLEGE and MARKHAMS LN			\$2,800.00
1285	Perpendicular	SE	\$2,800.00
COLLEGE and S CHAMPLAIN			\$5,600.00
1254	Perpendicular	ESE	\$2,800.00
1255	Perpendicular	SSE	\$2,800.00
COLLEGE and S UNION			\$2,800.00
5316	Perpendicular	WNW	\$2,800.00
ELMWOOD AV and INTERVALE AV			\$5,600.00
1407	Perpendicular	E	\$2,800.00
1411	Perpendicular	SW	\$2,800.00
ETHAN ALLEN PKWY and GAZO AV			\$3,000.00
1963	Curb Ramp Not Provided	NW	\$3,000.00
HOWARD and S UNION			\$2,800.00
1107	Perpendicular	SE	\$2,800.00
HYDE and NORTH ST			\$2,800.00
1601	Perpendicular	NNW	\$2,800.00
INTERVALE AV and SPRING			\$2,800.00
1592	Perpendicular	SW	\$2,800.00

KING and S WINOOSKI AV			\$7,100.00
1188	Blended Transition	NE	\$1,500.00
1185	Perpendicular	SE	\$2,800.00
1186	Blended Transition	SW	\$2,800.00
KING and S UNION			\$5,600.00
1189	Perpendicular	NW	\$2,800.00
1191	Perpendicular	SW	\$2,800.00
N CHAMPLAIN and PEARL			\$2,800.00
1343	Perpendicular	NW	\$2,800.00
N CHAMPLAIN and SHERMAN			\$5,600.00
1372	Perpendicular	NW	\$2,800.00
1371	Perpendicular	SW	\$2,800.00
N UNION and PEARL			\$2,800.00
5337	Perpendicular	SSW	\$2,800.00
N WILLIAMS and PEARL			\$2,800.00
5399	Perpendicular	SE	\$2,800.00
RANDY LN and			\$3,000.00
1986	Curb Ramp Not Provided	NE	\$3,000.00
S UNION and SPRUCE			\$5,600.00
5226	Perpendicular	NNW	\$2,800.00
5230	Perpendicular	SE	\$2,800.00
SANDRA CIR and			\$3,000.00
2001	Curb Ramp Not Provided	SE	\$3,000.00

Planned Repair Date: FY 19			\$350,600.00
Repair Project: 5 Year Paving Plan			\$194,700.00
BATTERY and MAPLE			\$15,500.00
1127	Perpendicular	ENE	\$2,800.00
1128	Blended Transition	ESE	\$2,800.00
1126	Perpendicular	NNE	\$2,800.00
1125	Perpendicular	NW	\$2,800.00
1129	Perpendicular	SSE	\$2,800.00
1130	End of Sidewalk	SW	\$1,500.00
CHURCH and MAPLE			\$8,600.00
1177	Perpendicular	NE	\$2,800.00
1180	Blended Transition	NW	\$1,500.00
1178	Perpendicular	SE	\$2,800.00
1179	Blended Transition	SW	\$1,500.00
FERN and IVY LN			\$2,800.00
1730	Perpendicular	NE	\$2,800.00
FERN and SHORE RD			\$11,200.00
1734	Perpendicular	NE	\$2,800.00
1733	Perpendicular	NW	\$2,800.00
1731	Perpendicular	SE	\$2,800.00
1732	Perpendicular	SW	\$2,800.00
HARRINGTON TERR and MAPLE			\$5,600.00
5268	Perpendicular	NE	\$2,800.00
5267	Perpendicular	NW	\$2,800.00
HILDRED DR and			\$11,200.00
2035	Perpendicular	NE	\$2,800.00
2036	Blended Transition	NW	\$2,800.00
2038	Perpendicular	SE	\$2,800.00
2037	Perpendicular	SW	\$2,800.00
MAPLE and S WILLARD			\$21,100.00
5288	Blended Transition	ENE	\$2,800.00
5287	Perpendicular	ESE	\$2,800.00
5289	Perpendicular	NNE	\$2,800.00
5283	Blended Transition	NNW	\$1,500.00
5286	Perpendicular	SSE	\$2,800.00
5285	Blended Transition	SSW	\$2,800.00
5282	Perpendicular	WNW	\$2,800.00
5284	Perpendicular	WSW	\$2,800.00
MAPLE and S WINOOSKI AV			\$11,200.00
1183	Perpendicular	NE	\$2,800.00
1182	Perpendicular	NW	\$2,800.00
1184	Perpendicular	SE	\$2,800.00
1181	Blended Transition	SW	\$2,800.00
MAPLE and ST PAUL			\$16,800.00
1165	Blended Transition	ESE	\$2,800.00
1166	Perpendicular	NE	\$2,800.00

1161	Perpendicular	NW	\$2,800.00
1164	Perpendicular	SSE	\$2,800.00
1163	Perpendicular	SSW	\$2,800.00
1162	Perpendicular	WSW	\$2,800.00
MAPLE and PINE			\$22,400.00
1154	Perpendicular	ENE	\$2,800.00
1155	Perpendicular	ESE	\$2,800.00
1152	Perpendicular	NNE	\$2,800.00
1160	Blended Transition	NNW	\$2,800.00
1156	Perpendicular	SSE	\$2,800.00
1157	Perpendicular	SSW	\$2,800.00
1159	Perpendicular	WNW	\$2,800.00
1158	Perpendicular	WSW	\$2,800.00
MAPLE and S PROSPECT			\$8,600.00
5263	Perpendicular	NE	\$1,500.00
5264	Blended Transition	NW	\$1,500.00
5266	Blended Transition	SE	\$2,800.00
5265	Perpendicular	SW	\$2,800.00
MAPLE and S CHAMPLAIN			\$21,100.00
1124	Perpendicular	ENE	\$2,800.00
1117	Blended Transition	ESE	\$2,800.00
1123	Perpendicular	NNE	\$2,800.00
1122	Perpendicular	NNW	\$1,500.00
1118	Perpendicular	SSE	\$2,800.00
1119	Perpendicular	SSW	\$2,800.00
1121	Perpendicular	WNW	\$2,800.00
1120	Perpendicular	WSW	\$2,800.00
MAPLE and			\$21,800.00
5281	Blended Transition	N	\$1,500.00
5278	Perpendicular	N	\$2,800.00
5280	Blended Transition	S	\$1,500.00
5279	Perpendicular	S	\$2,800.00
5277	Perpendicular	NE	\$2,800.00
5273	Perpendicular	NNW	\$2,000.00
5276	Perpendicular	SE	\$2,800.00
5275	Perpendicular	SW	\$2,800.00
5274	Perpendicular	WNW	\$2,800.00
MAPLE and SUMMIT			\$11,200.00
5260	Perpendicular	NE	\$2,800.00
5259	Perpendicular	NW	\$2,800.00
5261	Perpendicular	SE	\$2,800.00
5262	Perpendicular	SW	\$2,800.00
HILLSIDE TERR and HILDRED DR			\$5,600.00
2033	Perpendicular	NE	\$2,800.00
2034	Perpendicular	SE	\$2,800.00
Repair Project: CIP: Pine St from Lakeside Ave to Main St			\$51,500.00
PINE and			\$3,800.00

1623	Perpendicular	E	\$2,800.00
1624	Blended Transition	W	\$1,000.00
PINE and PINE PL			\$4,300.00
5188	Blended Transition	NE	\$1,500.00
5189	Perpendicular	SE	\$2,800.00
HOWARD and PINE			\$7,600.00
1066	Blended Transition	NE	\$2,800.00
1067	Perpendicular	SE	\$2,800.00
1068	Blended Transition	SW	\$2,000.00
KILBURN and PINE			\$11,200.00
5205	Blended Transition	ESE	\$2,800.00
5204	Perpendicular	NE	\$2,800.00
5206	Blended Transition	SSE	\$2,800.00
5207	Perpendicular	SW	\$2,800.00
KING and PINE			\$5,600.00
1150	Perpendicular	NE	\$2,800.00
1151	Perpendicular	SE	\$2,800.00
LAKESIDE AV and PINE			\$5,300.00
1052	Perpendicular	NE	\$2,800.00
1053	Blended Transition	NW	\$1,000.00
1054	Blended Transition	SW	\$1,500.00
LOCUST and PINE			\$6,600.00
5121	Perpendicular	NE	\$2,800.00
5122	Perpendicular	NW	\$1,000.00
5120	Blended Transition	SE	\$2,800.00
MARBLE AV and PINE			\$7,100.00
5191	Blended Transition	ESE	\$1,500.00
5190	Perpendicular	NE	\$2,800.00
5192	Perpendicular	SSE	\$2,800.00
5193	Perpendicular	SW	\$0.00
Repair Project: CIP: St. Paul Street from Main to Maple			\$14,400.00
KING and ST PAUL			\$14,400.00
1170	Perpendicular	NE	\$2,800.00
1169	Perpendicular	NW	\$3,000.00
1171	Perpendicular	SE	\$3,000.00
1167	Perpendicular	SSW	\$2,800.00
1168	Perpendicular	WSW	\$2,800.00
Repair Project: General Funds			\$90,000.00
MAIN and			\$2,800.00
5421	Perpendicular	N	\$2,800.00
MAIN and S WINOOSKI AV			\$2,800.00
1192	Perpendicular	SW	\$2,800.00
MAIN and S CHAMPLAIN			\$2,800.00
1224	Perpendicular	NNE	\$2,800.00
N WILLARD and PEARL			\$2,800.00
5397	Perpendicular	ESE	\$2,800.00

N WINOOSKI AV and NORTH ST			\$2,800.00
1612	Perpendicular	SE	\$2,800.00
S WINOOSKI AV and SPRUCE			\$2,800.00
5222	Perpendicular	SE	\$2,800.00
BATTERY and MAIN			\$1,500.00
1231	Blended Transition	NNW	\$1,500.00
NORTH ST and PARK			\$2,800.00
1526	Perpendicular	SSE	\$2,800.00
PARK and SHERMAN			\$8,400.00
1369	Perpendicular	NE	\$2,800.00
1368	Perpendicular	NNW	\$2,800.00
1370	Perpendicular	SE	\$2,800.00
PARK and SUMMER			\$2,800.00
1431	Perpendicular	NW	\$2,800.00
ADAMS and CHURCH			\$2,800.00
5212	Perpendicular	NE	\$2,800.00
ARCHIBALD and ST LOUIS			\$2,800.00
1587	Perpendicular	NW	\$2,800.00
ARCHIBALD and WALNUT			\$2,800.00
1566	Perpendicular	NE	\$2,800.00
BANK and PINE			\$2,800.00
1264	Perpendicular	SW	\$2,800.00
BRADLEY and HUNGERFORD TERR			\$2,800.00
5307	Perpendicular	NW	\$2,800.00
BROOKES AV and N PROSPECT			\$2,800.00
5502	Perpendicular	SSW	\$2,800.00
BUELL and S WILLARD			\$2,800.00
5389	Perpendicular	SW	\$2,800.00
BUELL and S WINOOSKI AV			\$2,800.00
1300	Perpendicular	SE	\$2,800.00
BUELL and HUNGERFORD TERR			\$7,100.00
5298	Perpendicular	ENE	\$2,800.00
5300	Perpendicular	NNW	\$1,500.00
5304	Perpendicular	SSE	\$2,800.00
BUELL and S UNION			\$2,800.00
5320	Perpendicular	SE	\$2,800.00
CENTER and COLLEGE			\$2,800.00
1284	Perpendicular	NE	\$2,800.00
CLARKE and GRANT			\$1,500.00
5591	Perpendicular	SE	\$1,500.00
COLLEGE and LAKE			\$2,800.00
1242	Perpendicular	NNE	\$2,800.00
COLLEGE and PINE			\$2,800.00
1261	Perpendicular	SE	\$2,800.00
COLLEGE and S UNION			\$2,800.00

5315	Perpendicular	SW	\$2,800.00
KING and S WINOOSKI AV			\$2,800.00
1187	Blended Transition	NW	\$2,800.00
N CHAMPLAIN and PERU			\$2,800.00
1373	Perpendicular	SE	\$2,800.00
N UNION and NORTH ST			\$2,800.00
5432	Perpendicular	ENE	\$2,800.00
N UNION and PEARL			\$4,300.00
5338	Perpendicular	SSE	\$2,800.00
5336	Perpendicular	WSW	\$1,500.00

Planned Repair Date: FY 20			\$179,300.00
Repair Project: 5 Year Paving Plan			\$72,400.00
SHELBURNE RD and BIRCHCLIFF PKWY			\$5,600.00
5158	Blended Transition	NW	\$2,800.00
5157	Blended Transition	SW	\$2,800.00
ALDER LN and BIRCHCLIFF PKWY			\$5,600.00
5109	Perpendicular	NE	\$2,800.00
5108	Blended Transition	NW	\$2,800.00
BEACHCREST DR and LAKEWOOD PKWY			\$5,600.00
1701	Perpendicular	NE	\$2,800.00
1702	Perpendicular	NW	\$2,800.00
BIRCHCLIFF PKWY and PINE			\$4,300.00
5102	Perpendicular	NE	\$1,500.00
5101	Perpendicular	SE	\$2,800.00
BIRCHCLIFF PKWY and BITTERSWEET LN			\$4,800.00
5107	Perpendicular	NE	\$2,800.00
5106	Perpendicular	NW	\$2,000.00
BIRCHCLIFF PKWY and CHERRY LN			\$7,300.00
5105	Blended Transition	NE	\$1,500.00
5104	Perpendicular	NW	\$2,800.00
5103	Curb Ramp Not Provided	SW	\$3,000.00
BIRCHCLIFF PKWY and LINDEN TERR			\$5,600.00
5111	Perpendicular	NE	\$2,800.00
5110	Perpendicular	NW	\$2,800.00
BIRCHWOOD LN and LAKEWOOD PKWY			\$5,600.00
1706	Perpendicular	SE	\$2,800.00
1705	Perpendicular	SW	\$2,800.00
BLONDIN CIR and LOPES AV			\$8,400.00
1919	Perpendicular	SE	\$2,800.00
1920	Perpendicular	SSW	\$2,800.00
1921	Perpendicular	WSW	\$2,800.00
LAKEWOOD PKWY and			\$8,400.00
1690	Island-Perpendicular	E	\$2,800.00
1689	Perpendicular	NE	\$2,800.00
1691	Perpendicular	SE	\$2,800.00
LAKEWOOD PKWY and LAKEWOOD PKWY			\$2,800.00
1707	Perpendicular	SW	\$2,800.00
LAKEWOOD PKWY and TALLWOOD LN			\$5,600.00
1704	Perpendicular	SE	\$2,800.00
1703	Perpendicular	SW	\$2,800.00
LAKEWOOD PKWY and WOODRIDGE DR			\$2,800.00
1692	Perpendicular	NW	\$2,800.00
Repair Project: General Funds			\$106,900.00
COLCHESTER AV and BARRETT			\$2,800.00
2051	Perpendicular	SSE	\$2,800.00

MAIN and			\$2,800.00
5420	Perpendicular	S	\$2,800.00
MAIN and UNIVERSITY HTS			\$1,000.00
2142	Driveway	N	\$1,000.00
N WINOOSKI AV and NORTH ST			\$1,500.00
1611	Perpendicular	NE	\$1,500.00
SHELBURNE RD and			\$2,800.00
5175	Perpendicular	E	\$2,800.00
BATTERY and MAIN			\$4,300.00
1229	Perpendicular	ENE	\$2,800.00
1227	Blended Transition	ESE	\$1,500.00
BATTERY and COLLEGE			\$2,800.00
1251	Perpendicular	SE	\$2,800.00
PARK and SUMMER			\$2,800.00
1432	Perpendicular	SW	\$2,800.00
PLATTSBURG AV and TURF RD			\$2,800.00
1895	Perpendicular	NW	\$2,800.00
ADAMS and S WINOOSKI AV			\$2,800.00
5217	Perpendicular	NW	\$2,800.00
ALEXIS DR and APPLETREE PT RD			\$3,000.00
1776	Curb Ramp Not Provided	SE	\$3,000.00
ALLEN and MURRAY			\$2,800.00
1419	Perpendicular	ESE	\$2,800.00
ARCHIBALD and N WINOOSKI AV			\$2,800.00
5609	Perpendicular	WSW	\$2,800.00
ARCHIBALD and BRIGHT			\$2,800.00
5603	Perpendicular	NE	\$2,800.00
ARCHIBALD and GERMAIN			\$2,800.00
5571	Perpendicular	SE	\$2,800.00
BANK and ST PAUL			\$1,500.00
1269	Perpendicular	NE	\$1,500.00
BANK and PINE			\$2,800.00
1265	Perpendicular	NW	\$2,800.00
BLODGETT and STRONG			\$5,600.00
1494	Perpendicular	NNE	\$2,800.00
1490	Perpendicular	SSW	\$2,800.00
BROOKES AV and N WILLIAMS			\$2,800.00
5498	Perpendicular	WSW	\$2,800.00
BUELL and HUNGERFORD TERR			\$2,800.00
5301	Perpendicular	WNW	\$2,800.00
BUELL and S UNION			\$2,800.00
5324	Perpendicular	SSW	\$2,800.00
COLLEGE and S WINOOSKI AV			\$2,800.00
1287	Perpendicular	SW	\$2,800.00

COLLEGE and ST PAUL			\$2,800.00
1277	Perpendicular	NW	\$2,800.00
COLLEGE and PINE			\$2,800.00
1258	Perpendicular	SW	\$2,800.00
COLLEGE and HUNGERFORD TERR			\$2,800.00
5310	Perpendicular	NE	\$2,800.00
COLLEGE and S WILLIAMS			\$2,800.00
5349	Perpendicular	NE	\$2,800.00
ELMWOOD AV and INTERVALE AV			\$2,800.00
1408	Perpendicular	NE	\$2,800.00
FRONT and SUMMER			\$2,800.00
1434	Perpendicular	NE	\$2,800.00
GEORGE and PEARL			\$2,800.00
1325	Perpendicular	NW	\$2,800.00
GREENE and LOOMIS			\$1,500.00
5457	Perpendicular	SE	\$1,500.00
HOME AV and WELLS			\$2,800.00
1048	Blended Transition	NW	\$2,800.00
HOWARD and S UNION			\$5,600.00
1104	Perpendicular	NE	\$2,800.00
1105	Perpendicular	NW	\$2,800.00
HUNGERFORD TERR and PEARL			\$3,000.00
5297	Perpendicular	SE	\$1,500.00
5296	Perpendicular	SW	\$1,500.00
IRANISTAN RD and LEDGE RD			\$2,800.00
5154	Perpendicular	NW	\$2,800.00
LOOMIS and N UNION			\$2,800.00
5437	Perpendicular	NE	\$2,800.00
MONROE and PARK			\$2,800.00
1361	Perpendicular	SE	\$2,800.00
N UNION and PEARL			\$1,500.00
5340	Perpendicular	NE	\$1,500.00
S UNION and SPRUCE			\$2,800.00
5227	Perpendicular	WNW	\$2,800.00

Planned Repair Date: FY 21			\$109,600.00
Repair Project: General Funds			\$109,600.00
COLCHESTER AV and			\$2,800.00
2090	Perpendicular	SE	\$2,800.00
COLCHESTER AV and N PROSPECT			\$2,800.00
5379	Perpendicular	SSW	\$2,800.00
MAIN and S WILLARD			\$1,500.00
5412	Perpendicular	WNW	\$1,500.00
MAIN and S CHAMPLAIN			\$4,300.00
1225	Perpendicular	NNW	\$2,800.00
1220	Blended Transition	WSW	\$1,500.00
S WINOOSKI AV and SPRUCE			\$2,800.00
5221	Perpendicular	NE	\$2,800.00
BATTERY and KING			\$2,800.00
1133	Perpendicular	SW	\$2,800.00
LAKE and MAIN			\$5,600.00
1236	Perpendicular	E	\$2,800.00
1235	Perpendicular	W	\$2,800.00
NORTH ST and PARK			\$2,800.00
1525	Perpendicular	SSW	\$2,800.00
NORTH ST and SCHOOL			\$2,800.00
1605	Perpendicular	NNE	\$2,800.00
PEARL and PINE			\$2,800.00
1338	Perpendicular	ESE	\$2,800.00
ADAMS and CHURCH			\$2,800.00
5211	Perpendicular	NW	\$2,800.00
ADAMS and S UNION			\$2,800.00
5235	Perpendicular	NW	\$2,800.00
ALLEN and ELMWOOD AV			\$2,800.00
1404	Perpendicular	WNW	\$2,800.00
ARCHIBALD and HYDE			\$2,800.00
5560	Perpendicular	NW	\$2,800.00
ARCHIBALD and INTERVALE AV			\$1,500.00
1583	Blended Transition	SW	\$1,500.00
ARCHIBALD and WALNUT			\$2,800.00
1567	Perpendicular	ESE	\$2,800.00
BOOTH and NORTH ST			\$2,800.00
5471	Perpendicular	NE	\$2,800.00
BROOKES AV and N PROSPECT			\$2,800.00
5503	Perpendicular	WSW	\$2,800.00
BUELL and HUNGERFORD TERR			\$2,800.00
5303	Perpendicular	SSW	\$2,800.00
BUELL and S UNION			\$2,800.00
5322	Perpendicular	NW	\$2,800.00

	CEDAR and N CHAMPLAIN		\$2,800.00
1537	Perpendicular	SE	\$2,800.00
	CHASE and COLCHESTER AV		\$2,800.00
2072	Perpendicular	NE	\$2,800.00
	CLIFF and S UNION		\$2,800.00
5233	Perpendicular	SE	\$2,800.00
	CLIFF and SUMMIT RDG		\$5,600.00
5186	Perpendicular	NE	\$2,800.00
5187	Perpendicular	NW	\$2,800.00
	COLLEGE and		\$2,800.00
1262	Perpendicular	S	\$2,800.00
	COLLEGE and S WILLARD		\$2,800.00
5343	Perpendicular	ESE	\$2,800.00
	COLLEGE and LAKE		\$2,800.00
1244	Perpendicular	ESE	\$2,800.00
	COLLEGE and S PROSPECT		\$2,800.00
5367	Perpendicular	SW	\$2,800.00
	COLLEGE and HUNGERFORD TERR		\$2,800.00
5311	Perpendicular	NW	\$2,800.00
	GEORGE and MONROE		\$2,800.00
1386	Perpendicular	SW	\$2,800.00
	HOWARD and S UNION		\$2,800.00
1106	Perpendicular	SW	\$2,800.00
	KING and S UNION		\$2,800.00
1190	Driveway	NE	\$2,800.00
	MONROE and N CHAMPLAIN		\$1,500.00
1379	Blended Transition	SSW	\$1,500.00
	N UNION and NORTH ST		\$2,800.00
5435	Perpendicular	SSW	\$2,800.00
	N UNION and PEARL		\$2,800.00
5339	Perpendicular	ESE	\$2,800.00
	ROBINSON PKWY and S PROSPECT		\$2,800.00
5250	Perpendicular	SE	\$2,800.00
	SPRING and WALNUT		\$2,800.00
1572	Perpendicular	E	\$2,800.00
	UNIVERSITY PL and		\$2,800.00
2103	Perpendicular	E	\$2,800.00

Planned Repair Date: TBD			\$2,788,049.00
Repair Project: TBD			\$2,788,049.00
COLCHESTER AV and			\$5,600.00
2089	Perpendicular	NE	\$2,800.00
2091	Island-Cut Through	S	\$2,800.00
COLCHESTER AV and EAST AV			\$8,400.00
2085	Perpendicular	ESE	\$2,800.00
2086	Perpendicular	NE	\$2,800.00
2084	Blended Transition	SSE	\$2,800.00
COLCHESTER AV and MANSFIELD AV			\$6,800.00
2094	Perpendicular	ENE	\$1,500.00
2095	Perpendicular	NNE	\$2,800.00
2096	Blended Transition	NNW	\$1,000.00
2097	Perpendicular	WNW	\$1,500.00
COLCHESTER AV and N PROSPECT			\$14,000.00
5384	Perpendicular	ENE	\$2,800.00
5385	Perpendicular	ESE	\$2,800.00
5383	Perpendicular	NNE	\$2,800.00
5386	Perpendicular	SSE	\$2,800.00
5378	Perpendicular	W	\$2,800.00
COLCHESTER AV and BARRETT			\$5,600.00
2050	Perpendicular	SE	\$2,800.00
2053	Perpendicular	SW	\$2,800.00
COLCHESTER AV and FLETCHER PL			\$4,050.00
2087	Blended Transition	NE	\$2,800.00
2088	Blended Transition	NW	\$1,250.00
COLCHESTER AV and LATHAM CT			\$4,550.00
2081	Blended Transition	SE	\$1,750.00
2082	Perpendicular	SW	\$2,800.00
COLCHESTER AV and MILL			\$5,800.00
2049	Parallel	NE	\$3,000.00
2048	Perpendicular	SE	\$2,800.00
COLCHESTER AV and NASH PL			\$5,800.00
2075	Perpendicular	NE	\$3,000.00
2076	Perpendicular	NW	\$2,800.00
COLCHESTER AV and THIBAUT PKWY			\$5,600.00
2079	Blended Transition	SE	\$2,800.00
2080	Perpendicular	SW	\$2,800.00
COLCHESTER AV and UNIVERSITY PL			\$5,600.00
2102	Perpendicular	NE	\$2,800.00
2101	Perpendicular	SW	\$2,800.00
COLCHESTER AV and UNIVERSITY RD			\$2,000.00
2077	Blended Transition	N	\$1,000.00
2078	Perpendicular	S	\$1,000.00
MAIN and			\$6,500.00
2144	Blended Transition	E	\$1,500.00

2130	Blended Transition	NE	\$1,000.00
2129	Blended Transition	NW	\$1,000.00
1196	Perpendicular	S	\$1,500.00
2143	Blended Transition	W	\$1,500.00
MAIN and S WILLARD			\$17,000.00
5415	Perpendicular	ENE	\$1,500.00
5416	Perpendicular	ESE	\$2,800.00
5414	Perpendicular	NNE	\$2,800.00
5413	Blended Transition	NNW	\$1,500.00
5417	Perpendicular	SSE	\$2,800.00
5418	Blended Transition	SSW	\$2,800.00
5419	Perpendicular	WSW	\$2,800.00
MAIN and S WINOOSKI AV			\$1,500.00
1193	Blended Transition	NW	\$1,500.00
MAIN and S PROSPECT			\$15,200.00
5365	Perpendicular	NE	\$2,800.00
5364	Blended Transition	NNW	\$2,800.00
5362	Perpendicular	SE	\$2,800.00
5361	Perpendicular	SSW	\$2,800.00
5363	Perpendicular	WNW	\$2,000.00
5360	Perpendicular	WSW	\$2,000.00
MAIN and S CHAMPLAIN			\$5,600.00
1221	Perpendicular	SSE	\$2,800.00
1219	Blended Transition	SSW	\$2,800.00
MAIN and S UNION			\$4,300.00
5427	Blended Transition	SSW	\$1,500.00
5428	Perpendicular	WSW	\$2,800.00
MAIN and S WILLIAMS			\$4,300.00
5355	Perpendicular	NE	\$2,800.00
5354	Perpendicular	NW	\$1,500.00
MAIN and SUMMIT			\$7,100.00
5357	Perpendicular	ESE	\$0.00
5356	Perpendicular	NE	\$1,500.00
5358	Perpendicular	SSE	\$2,800.00
5359	Perpendicular	SW	\$2,800.00
MAIN and UNIVERSITY HTS			\$15,000.00
2140	Island-Cut Through	E	\$0.00
2139	Blended Transition	ESE	\$1,000.00
2141	Perpendicular	NE	\$2,800.00
2135	Perpendicular	NW	\$2,800.00
2138	Perpendicular	SSE	\$2,800.00
2137	Blended Transition	SSW	\$2,800.00
2136	Perpendicular	WSW	\$2,800.00
MAIN and UNIVERSITY PL			\$11,200.00
2127	Perpendicular	ENE	\$2,800.00
2126	Perpendicular	NNE	\$2,800.00
2125	Blended Transition	NW	\$2,800.00

2128	Perpendicular	SE	\$2,800.00
MAIN and UNIVERSITY TERR			\$11,200.00
2134	Perpendicular	ESE	\$2,800.00
2131	Perpendicular	NE	\$2,800.00
2133	Perpendicular	SSE	\$2,800.00
2132	Perpendicular	SW	\$2,800.00
N WILLARD and RIVERSIDE AV			\$3,000.00
5581	Perpendicular	NW	\$1,500.00
5580	Perpendicular	SW	\$1,500.00
N WILLARD and NORTH ST			\$20,300.00
5475	Perpendicular	ENE	\$1,500.00
5476	Perpendicular	ESE	\$2,800.00
5474	Perpendicular	NNE	\$2,800.00
5473	Perpendicular	NNW	\$2,000.00
5477	Perpendicular	SSE	\$2,800.00
5478	Perpendicular	SSW	\$2,800.00
5472	Perpendicular	WNW	\$2,800.00
5479	Perpendicular	WSW	\$2,800.00
N WILLARD and PEARL			\$17,000.00
5396	Perpendicular	ENE	\$2,800.00
5395	Perpendicular	NNE	\$2,800.00
5394	Blended Transition	NNW	\$1,500.00
5398	Perpendicular	SSE	\$2,800.00
5391	Perpendicular	SSW	\$1,500.00
5393	Perpendicular	WNW	\$2,800.00
5392	Perpendicular	WSW	\$2,800.00
N WILLARD and POMEROY			\$22,400.00
5549	Perpendicular	ENE	\$2,800.00
5553	Perpendicular	ENE	\$2,800.00
5550	Perpendicular	ESE	\$2,800.00
5548	Perpendicular	NNE	\$2,800.00
5555	Perpendicular	NNW	\$2,800.00
5551	Perpendicular	SSE	\$2,800.00
5552	Blended Transition	SSW	\$2,800.00
5554	Perpendicular	WNW	\$2,800.00
N WINOOSKI AV and RIVERSIDE AV			\$9,900.00
5582	Perpendicular	NW	\$2,800.00
5585	Perpendicular	SE	\$2,800.00
5584	Blended Transition	SSW	\$1,500.00
5583	Perpendicular	WSW	\$2,800.00
N WINOOSKI AV and NORTH ST			\$1,000.00
1614	Perpendicular	NW	\$1,000.00
N WINOOSKI AV and PEARL			\$11,200.00
1308	Perpendicular	ENE	\$2,800.00
1307	Perpendicular	ESE	\$2,800.00
1309	Perpendicular	NNE	\$2,800.00
1306	Perpendicular	SSE	\$0.00

1305	Perpendicular	SW	\$2,800.00
RIVERSIDE AV and			\$14,000.00
2045	Perpendicular	ESE	\$2,800.00
2046	Perpendicular	NE	\$2,800.00
2047	Perpendicular	NW	\$2,800.00
2044	Blended Transition	SSE	\$2,800.00
2043	Perpendicular	SW	\$2,800.00
RIVERSIDE AV and			\$5,000.00
2054	Parallel	SE	\$3,000.00
2055	Blended Transition	SW	\$2,000.00
RIVERSIDE AV and INTERVALE AV			\$11,200.00
5614	Perpendicular	NE	\$2,800.00
5613	Perpendicular	NW	\$2,800.00
5615	Perpendicular	SE	\$2,800.00
5616	Perpendicular	SW	\$2,800.00
S WILLARD and			\$7,100.00
5292	Perpendicular	E	\$2,800.00
5290	Blended Transition	W	\$1,500.00
5293	Perpendicular	W	\$2,800.00
S WILLARD and SPRUCE			\$5,600.00
5242	Perpendicular	NW	\$2,800.00
5241	Perpendicular	SW	\$2,800.00
S WILLARD and TOWER TERR			\$3,000.00
5244	Blended Transition	NW	\$1,500.00
5243	Blended Transition	SW	\$1,500.00
SHELBURNE RD and S WILLARD			\$5,600.00
5177	Perpendicular	E	\$2,800.00
5176	Blended Transition	NW	\$2,800.00
SHELBURNE RD and ST PAUL			\$5,600.00
5142	Perpendicular	NE	\$2,800.00
5140	Perpendicular	NW	\$2,800.00
SHELBURNE RD and CLYMER			\$5,600.00
5156	Perpendicular	NE	\$2,800.00
5155	Perpendicular	SE	\$2,800.00
SHELBURNE RD and			\$7,100.00
5174	Perpendicular	W	\$1,500.00
5173	Perpendicular	NW	\$2,800.00
5172	Perpendicular	SW	\$2,800.00
SHELBURNE RD and S UNION			\$2,800.00
5143	Perpendicular	W	\$2,800.00
SHELBURNE RD and Gateway Shopping Center			\$14,900.00
1034	Perpendicular	NE	\$2,800.00
1038	Perpendicular	NW	\$2,800.00
1033	Island-Cut Through	SE	\$2,800.00
1032	Parallel	SE	\$2,000.00
1039	Island-Cut Through	SW	\$1,500.00

1040	Parallel	SW	\$3,000.00
ST PAUL and			\$2,800.00
5201	Perpendicular	W	\$2,800.00
ST PAUL and HOWARD			\$17,000.00
1085	Parallel	E	\$1,500.00
5148	Perpendicular	ENE	\$2,800.00
5149	Perpendicular	NNE	\$2,800.00
5150	Blended Transition	NW	\$2,800.00
5152	Perpendicular	SSW	\$2,800.00
1086	Blended Transition	W	\$1,500.00
5151	Perpendicular	WSW	\$2,800.00
BATTERY and			\$1,500.00
1626	Perpendicular	E	\$1,500.00
BATTERY and MAIN			\$12,700.00
1230	Perpendicular	NNE	\$2,800.00
1228	Perpendicular	SSE	\$2,800.00
1234	Blended Transition	SSW	\$1,500.00
1232	Blended Transition	WNW	\$2,800.00
1233	Blended Transition	WSW	\$2,800.00
BATTERY and PARK			\$11,200.00
1346	Perpendicular	NW	\$2,800.00
1363	Perpendicular	NW	\$2,800.00
1349	Perpendicular	SW	\$2,800.00
1362	Perpendicular	SW	\$2,800.00
BATTERY and COLLEGE			\$5,600.00
1249	Perpendicular	NW	\$2,800.00
1248	Perpendicular	SW	\$2,800.00
BATTERY and KING			\$8,400.00
1137	Perpendicular	NNE	\$2,800.00
1132	Perpendicular	NW	\$2,800.00
1134	Perpendicular	SSE	\$2,800.00
EAST AV and MAIN			\$26,899.00
2199	Blended Transition	ESE	\$2,800.00
2208	Blended Transition	NE	\$1,500.00
2197	Island-Cut Through	NE	\$2,800.00
2196	Parallel	NE	\$3,000.00
2207	Perpendicular	NNW	\$2,800.00
2198	Blended Transition	NW	\$2,000.00
2202	Blended Transition	SE	\$1,500.00
2200	Blended Transition	SSE	\$2,800.00
2203	Blended Transition	SSW	\$1,000.00
2201	Blended Transition	SW	\$1,000.00
2205	Island-Cut Through	W	\$99.00
2206	Perpendicular	WNW	\$2,800.00
2204	Blended Transition	WSW	\$2,800.00
EAST AV and UNIVERSITY RD			\$3,800.00
2027	Blended Transition	NE	\$1,000.00

2026	Perpendicular	SE	\$2,800.00
GROVE and			\$10,100.00
2062	Blended Transition	E	\$1,500.00
2064	Blended Transition	NW	\$2,800.00
2065	Perpendicular	SW	\$2,800.00
2063	Parallel	W	\$3,000.00
LEDGE RD and SHELBURNE RD			\$5,600.00
5178	Perpendicular	NE	\$2,800.00
5179	Perpendicular	SE	\$2,800.00
LEDGE RD and S PROSPECT			\$2,800.00
1092	Blended Transition	SW	\$2,800.00
MANHATTAN DR and ST LOUIS			\$6,300.00
5635	Perpendicular	NW	\$2,800.00
5637	Blended Transition	SE	\$2,000.00
5636	Blended Transition	SW	\$1,500.00
MANHATTAN DR and ST MARYS			\$3,000.00
5644	Perpendicular	SE	\$1,500.00
5645	Blended Transition	SW	\$1,500.00
MANHATTAN DR and VOLZ			\$4,800.00
1481	Blended Transition	SE	\$2,000.00
1480	Perpendicular	SW	\$2,800.00
MANHATTAN DR and WALNUT			\$4,800.00
5634	Perpendicular	SE	\$2,800.00
5633	Blended Transition	SW	\$2,000.00
MANHATTAN DR and WARD			\$3,500.00
1483	Blended Transition	SE	\$1,500.00
1482	Perpendicular	SW	\$2,000.00
MANHATTAN DR and WASHINGTON			\$1,500.00
1479	Perpendicular	SW	\$1,500.00
MANSFIELD AV and			\$3,000.00
5543	Perpendicular	E	\$1,500.00
5542	Perpendicular	W	\$1,500.00
MANSFIELD AV and NORTH ST			\$5,600.00
5530	Perpendicular	SE	\$2,800.00
5529	Perpendicular	SW	\$2,800.00
MANSFIELD AV and WILSON			\$12,400.00
5532	Perpendicular	ESE	\$1,500.00
5531	Blended Transition	NE	\$1,500.00
5536	Perpendicular	NW	\$1,000.00
5533	Blended Transition	SSE	\$2,800.00
5534	Blended Transition	SSW	\$2,800.00
5535	Perpendicular	WSW	\$2,800.00
N PROSPECT and NORTH ST			\$8,400.00
5522	Perpendicular	NE	\$2,800.00
5523	Perpendicular	NW	\$2,800.00
5521	Perpendicular	SE	\$2,800.00

N PROSPECT and			\$11,200.00
5546	Perpendicular	E	\$2,800.00
5547	Perpendicular	W	\$2,800.00
5545	Perpendicular	NE	\$2,800.00
5544	Perpendicular	SE	\$2,800.00
N PROSPECT and WILSON			\$11,200.00
5515	Perpendicular	ESE	\$2,800.00
5514	Perpendicular	NE	\$2,800.00
5516	Perpendicular	SSE	\$2,800.00
5517	Perpendicular	SW	\$2,800.00
NORTH ST and PARK			\$9,900.00
1528	Perpendicular	NE	\$2,800.00
1522	Perpendicular	NNW	\$2,800.00
1523	Blended Transition	WNW	\$1,500.00
1524	Perpendicular	WSW	\$2,800.00
NORTH ST and ROSE			\$5,800.00
1424	Perpendicular	NE	\$1,500.00
1423	Blended Transition	NW	\$1,500.00
1422	Perpendicular	SW	\$2,800.00
NORTH ST and RUSSELL			\$11,200.00
5464	Perpendicular	NE	\$2,800.00
5465	Perpendicular	NNW	\$2,800.00
5467	Perpendicular	SW	\$2,800.00
5466	Perpendicular	WNW	\$2,800.00
NORTH ST and SCHOOL			\$15,500.00
1606	Perpendicular	ENE	\$2,800.00
1607	Perpendicular	ESE	\$2,800.00
1604	Perpendicular	NW	\$2,800.00
1608	Perpendicular	SSE	\$2,800.00
1609	Perpendicular	SSW	\$2,800.00
1610	Perpendicular	WSW	\$1,500.00
OAK and ST LOUIS			\$5,600.00
5624	Perpendicular	NE	\$2,800.00
5625	Blended Transition	NW	\$2,800.00
OAK and			\$18,300.00
5622	Perpendicular	N	\$1,500.00
5623	Perpendicular	S	\$2,800.00
5618	Perpendicular	ENE	\$2,800.00
5617	Perpendicular	NNE	\$2,800.00
5621	Perpendicular	NW	\$2,800.00
5619	Perpendicular	SE	\$2,800.00
5620	Perpendicular	SW	\$2,800.00
OAK and WALNUT			\$8,600.00
5626	Perpendicular	NE	\$2,800.00
5627	Blended Transition	NNW	\$1,500.00
5629	Blended Transition	SW	\$1,500.00
5628	Perpendicular	WNW	\$2,800.00

PARK and SHERMAN			\$11,200.00
1366	Island-Perpendicular	NW	\$2,800.00
1365	Island-Perpendicular	SW	\$2,800.00
1364	Perpendicular	SW	\$2,800.00
1367	Perpendicular	WNW	\$2,800.00
PARK and POPLAR			\$5,600.00
1531	Perpendicular	NE	\$2,800.00
1532	Perpendicular	SE	\$2,800.00
PEARL and ST PAUL			\$8,800.00
1320	Perpendicular	ESE	\$2,800.00
1319	Perpendicular	NE	\$1,500.00
1323	Perpendicular	NW	\$1,500.00
1321	Perpendicular	SSE	\$1,500.00
1322	Perpendicular	SW	\$1,500.00
PEARL and N PROSPECT			\$5,800.00
5382	Perpendicular	NNW	\$1,500.00
5381	Perpendicular	WNW	\$1,500.00
5380	Perpendicular	WSW	\$2,800.00
PEARL and PINE			\$11,200.00
1339	Perpendicular	NE	\$2,800.00
1340	Perpendicular	NW	\$2,800.00
1337	Perpendicular	SSE	\$2,800.00
1336	Perpendicular	SW	\$2,800.00
PEARL and S WILLIAMS			\$5,600.00
5404	Perpendicular	SE	\$2,800.00
5403	Perpendicular	SW	\$2,800.00
PINE and			\$5,600.00
1621	Perpendicular	E	\$2,800.00
1622	Perpendicular	W	\$2,800.00
PINE and S CREST DR			\$5,600.00
5015	Perpendicular	NW	\$2,800.00
5014	Perpendicular	SW	\$2,800.00
PINE and SEARS LN			\$3,800.00
5100	Blended Transition	NW	\$1,000.00
5099	Perpendicular	SW	\$2,800.00
PLATTSBURG AV and RIVER'S EDGE DR			\$5,600.00
2194	Perpendicular	SSW	\$2,800.00
2195	Perpendicular	WSW	\$2,800.00
PLATTSBURG AV and SUNSET DR			\$5,600.00
2192	Perpendicular	NE	\$2,800.00
2193	Perpendicular	SE	\$2,800.00
PLATTSBURG AV and TURF RD			\$7,100.00
1896	Blended Transition	SE	\$1,500.00
1893	Perpendicular	SSW	\$2,800.00
1894	Perpendicular	WSW	\$2,800.00
S PROSPECT and			\$3,000.00

5257	Perpendicular	E	\$1,500.00
5258	Perpendicular	W	\$1,500.00
S PROSPECT and			\$11,250.00
5371	Blended Transition	E	\$1,500.00
5372	Perpendicular	E	\$1,500.00
5375	Perpendicular	E	\$1,500.00
5377	Perpendicular	E	\$250.00
5370	Blended Transition	W	\$2,000.00
5373	Blended Transition	W	\$1,500.00
5374	Blended Transition	W	\$1,500.00
5376	Perpendicular	W	\$1,500.00
ADAMS and S WINOOSKI AV			\$6,300.00
5215	Blended Transition	ESE	\$2,800.00
5216	Perpendicular	NE	\$2,000.00
5214	Blended Transition	SSE	\$1,500.00
ADAMS and ST PAUL			\$5,600.00
5210	Perpendicular	NE	\$2,800.00
5209	Perpendicular	SE	\$2,800.00
ADAMS CT and SHELBURNE RD			\$4,300.00
5169	Perpendicular	NE	\$2,800.00
5168	Perpendicular	SE	\$1,500.00
ADSIT CT and N WILLARD			\$5,600.00
5494	Perpendicular	NE	\$2,800.00
5495	Perpendicular	SE	\$2,800.00
ALDER LN and CHERRY LN			\$5,600.00
1059	Perpendicular	SE	\$2,800.00
1058	Perpendicular	SW	\$2,800.00
ALEXIS DR and STIRLING PL			\$5,600.00
1810	Perpendicular	NE	\$2,800.00
1809	Perpendicular	NW	\$2,800.00
ALFRED and SHELBURNE RD			\$5,600.00
5160	Perpendicular	NE	\$2,800.00
5159	Perpendicular	SE	\$2,800.00
ALFRED and PERROTTA PL			\$1,500.00
5161	Perpendicular	NW	\$1,500.00
ALLEN and ELMWOOD AV			\$8,400.00
1405	Perpendicular	NNW	\$2,800.00
1402	Perpendicular	SSW	\$2,800.00
1403	Perpendicular	WSW	\$2,800.00
ALLEN and MURRAY			\$8,400.00
1420	Perpendicular	ENE	\$2,800.00
1421	Perpendicular	NNE	\$2,800.00
1418	Perpendicular	SSE	\$2,800.00
APPLETREE PT RD and NOTTINGHAM LN			\$5,600.00
1801	Perpendicular	NE	\$2,800.00
1802	Perpendicular	NW	\$2,800.00

APPLETREE PT RD and STANIFORD RD			\$4,000.00
1773	Bike Path	E	\$1,000.00
1774	Perpendicular	NE	\$1,500.00
1775	Perpendicular	NW	\$1,500.00
APPLETREE PT RD and CUMBERLAND RD			\$8,100.00
1779	Perpendicular	ENE	\$2,800.00
1777	Perpendicular	NNE	\$1,000.00
1780	Perpendicular	NW	\$2,800.00
1781	Blended Transition	SW	\$1,500.00
APPLETREE PT RD and MUIRFIELD RD			\$5,600.00
1798	Perpendicular	NE	\$2,800.00
1797	Perpendicular	NW	\$2,800.00
APPLETREE PT RD and WESTMINSTER DR			\$5,600.00
1800	Perpendicular	NE	\$2,800.00
1799	Perpendicular	NW	\$2,800.00
ARCHIBALD and N WILLARD			\$12,650.00
5568	Perpendicular	ENE	\$2,800.00
5567	Perpendicular	ESE	\$2,800.00
5569	Perpendicular	NNE	\$2,800.00
5564	Blended Transition	NW	\$2,000.00
5566	Perpendicular	SSE	\$2,000.00
5565	Perpendicular	SW	\$250.00
ARCHIBALD and N WINOOSKI AV			\$7,100.00
5605	Blended Transition	NE	\$1,500.00
5604	Blended Transition	NW	\$2,800.00
5607	Perpendicular	SSE	\$2,800.00
ARCHIBALD and BRIGHT			\$2,000.00
5602	Blended Transition	NW	\$2,000.00
ARCHIBALD and GERMAIN			\$2,000.00
5570	Perpendicular	SW	\$2,000.00
ARCHIBALD and HYDE			\$1,500.00
5561	Perpendicular	NE	\$1,500.00
ARCHIBALD and INTERVALE AV			\$1,500.00
1581	Perpendicular	NE	\$1,500.00
ARCHIBALD and SPRING			\$8,400.00
1564	Perpendicular	ENE	\$2,800.00
1562	Perpendicular	NNE	\$2,800.00
1561	Perpendicular	NW	\$2,800.00
ARCHIBALD and ST LOUIS			\$2,000.00
1586	Blended Transition	NE	\$2,000.00
ARCHIBALD and WALNUT			\$8,400.00
1565	Blended Transition	NW	\$2,800.00
1568	Perpendicular	SSE	\$2,800.00
1569	Perpendicular	SW	\$2,800.00
ARTHUR CT and			\$2,800.00
1616	Perpendicular	NE	\$2,800.00

AVENUE B and LEONARD			\$5,800.00
1709	Perpendicular	NW	\$2,800.00
1708	Perpendicular	SW	\$3,000.00
BALSAM and BRIERWOOD LN			\$5,600.00
1757	Perpendicular	SE	\$2,800.00
1758	Perpendicular	SW	\$2,800.00
BALSAM and SHORE RD			\$5,600.00
1738	Perpendicular	NW	\$2,800.00
1739	Perpendicular	SW	\$2,800.00
BANK and S WINOOSKI AV			\$9,600.00
1294	Perpendicular	NE	\$2,800.00
1293	Blended Transition	NW	\$2,000.00
1291	Perpendicular	SE	\$2,800.00
1292	Blended Transition	SW	\$2,000.00
BANK and ST PAUL			\$11,200.00
1267	Driveway	NNW	\$0.00
1270	Perpendicular	SE	\$2,800.00
1271	Perpendicular	SSW	\$2,800.00
1268	Blended Transition	WNW	\$2,800.00
1272	Perpendicular	WSW	\$2,800.00
BANK and CENTER			\$5,600.00
1301	Perpendicular	SE	\$2,800.00
1302	Perpendicular	SW	\$2,800.00
BANK and CHURCH			\$1,000.00
1303	Blended Transition	N & S	\$1,000.00
BARLEY RD and PLATTSBURG AV			\$5,600.00
1888	Perpendicular	NW	\$2,800.00
1889	Perpendicular	SW	\$2,800.00
BARLEY RD and CLOVER LN			\$5,600.00
1887	Perpendicular	NE	\$2,800.00
1886	Perpendicular	NW	\$2,800.00
BARLEY RD and TURF RD			\$8,400.00
1885	Perpendicular	NE	\$2,800.00
1884	Perpendicular	NW	\$2,800.00
1883	Perpendicular	SW	\$2,800.00
BARRETT and			\$5,600.00
2056	Perpendicular	N	\$2,800.00
2057	Perpendicular	S	\$2,800.00
BARRETT and CHASE			\$4,300.00
2061	Perpendicular	SE	\$2,800.00
2060	Parallel	SW	\$1,500.00
BAYVIEW and S WILLARD			\$5,600.00
1100	Perpendicular	NW	\$2,800.00
1101	Perpendicular	SW	\$2,800.00
BAYVIEW and S UNION			\$2,800.00
1098	Blended Transition	NE	\$0.00

1099	Blended Transition	SE	\$2,800.00
BEACHCREST DR and DRIFTWOOD LN			\$5,600.00
1699	Perpendicular	SE	\$2,800.00
1700	Perpendicular	SW	\$2,800.00
BEACHCREST DR and OAKCREST DR			\$2,800.00
1698	Perpendicular	NE	\$2,800.00
BEECH and S WILLARD			\$4,800.00
1109	Perpendicular	NW	\$2,800.00
1108	Blended Transition	SW	\$2,000.00
BEECH and S UNION			\$5,600.00
1110	Perpendicular	NE	\$2,800.00
1111	Blended Transition	SE	\$2,800.00
BENNINGTON CT and SARATOGA AV			\$5,600.00
1648	Perpendicular	SE	\$2,800.00
1647	Perpendicular	SW	\$2,800.00
BERRY and LAKEVIEW TERR			\$4,300.00
1466	Perpendicular	NW	\$2,800.00
1465	Perpendicular	SE	\$1,500.00
BILLINGS CT and VAN PATTEN PKWY			\$5,600.00
1660	Blended Transition	NW	\$2,800.00
1659	Perpendicular	SW	\$2,800.00
BILODEAU CT and EAST AV			\$2,000.00
2018	Perpendicular	ENE	\$2,000.00
BILODEAU CT and BILODEAU PKWY			\$6,600.00
2022	Perpendicular	NW	\$1,000.00
2023	Perpendicular	SE	\$2,800.00
2021	Perpendicular	SW	\$2,800.00
BIRCH CT and			\$2,800.00
1850	Perpendicular	NW	\$2,800.00
BIRCH CT and DORSET LN			\$4,300.00
1849	Perpendicular	NE	\$2,800.00
1848	Perpendicular	SE	\$1,500.00
BIRCHWOOD LN and WOODRIDGE DR			\$5,600.00
1693	Perpendicular	NE	\$2,800.00
1694	Perpendicular	NW	\$2,800.00
BITTERSWEET LN and CHERRY LN			\$4,800.00
1057	Perpendicular	SE	\$2,800.00
1056	Perpendicular	SW	\$2,000.00
BLODGETT and NORTH ST			\$3,000.00
1517	Perpendicular	NE	\$1,500.00
1516	Blended Transition	NW	\$1,500.00
BLODGETT and STRONG			\$10,100.00
1495	Perpendicular	ENE	\$2,800.00
1489	Perpendicular	ESE	\$1,500.00
1493	Perpendicular	NNW	\$1,500.00
1488	Perpendicular	SSE	\$2,800.00

1491	Perpendicular	WSW	\$1,500.00
BLODGETT and WARD			\$7,300.00
1496	Perpendicular	ESE	\$2,800.00
1497	Perpendicular	NE	\$1,500.00
1498	Perpendicular	SSE	\$1,500.00
1499	Perpendicular	SW	\$1,500.00
BOOTH and NORTH ST			\$8,400.00
5470	Perpendicular	ESE	\$2,800.00
5469	Perpendicular	SSE	\$2,800.00
5468	Perpendicular	SW	\$2,800.00
BOOTH and LOOMIS			\$5,300.00
5456	Perpendicular	NE	\$2,800.00
5455	Blended Transition	NNW	\$1,500.00
5454	Perpendicular	WNW	\$1,000.00
BRADLEY and S WILLARD			\$5,600.00
5388	Perpendicular	NW	\$2,800.00
5387	Perpendicular	SW	\$2,800.00
BRADLEY and HUNGERFORD TERR			\$2,800.00
5309	Perpendicular	SE	\$2,800.00
BRANDYWINE and SARATOGA AV			\$3,000.00
1649	Perpendicular	NE	\$2,000.00
1650	Blended Transition	NW	\$1,000.00
BRANDYWINE and VILLAGE GREEN			\$1,000.00
1672	Blended Transition	SW	\$1,000.00
BRIERWOOD LN and DALE RD			\$5,600.00
1761	Perpendicular	NE	\$2,800.00
1762	Perpendicular	SE	\$2,800.00
BRIERWOOD LN and FERN			\$2,800.00
1735	Perpendicular	SW	\$2,800.00
BRIERWOOD LN and VINE			\$5,600.00
1759	Perpendicular	SE	\$2,800.00
1760	Perpendicular	SW	\$2,800.00
BRIGGS and FLYNN AV			\$1,500.00
5055	Blended Transition	SE	\$1,500.00
BRIGHT and RIVERSIDE AV			\$11,200.00
5599	Perpendicular	ESE	\$2,800.00
5598	Perpendicular	NE	\$2,800.00
5600	Perpendicular	SSE	\$2,800.00
5601	Perpendicular	SW	\$2,800.00
BROOK DR and VAN PATTEN PKWY			\$5,600.00
1661	Perpendicular	NE	\$2,800.00
1662	Perpendicular	NW	\$2,800.00
BROOKES AV and N WILLARD			\$5,600.00
5497	Perpendicular	NE	\$2,800.00
5496	Perpendicular	SE	\$2,800.00
BROOKES AV and N PROSPECT			\$4,300.00

5505	Perpendicular	NNW	\$2,800.00
5504	Blended Transition	WNW	\$1,500.00
BROOKES AV and N WILLIAMS			\$8,400.00
5501	Perpendicular	ESE	\$2,800.00
5500	Perpendicular	SSE	\$2,800.00
5499	Perpendicular	SSW	\$2,800.00
BUELL and S WILLARD			\$2,800.00
5390	Perpendicular	NW	\$2,800.00
BUELL and S WINOOSKI AV			\$2,800.00
1299	Blended Transition	NE	\$2,800.00
BUELL and HUNGERFORD TERR			\$8,400.00
5305	Perpendicular	ESE	\$2,800.00
5299	Perpendicular	NNE	\$2,800.00
5302	Perpendicular	WSW	\$2,800.00
BUELL and ORCHARD TERR			\$11,200.00
5329	Perpendicular	NE	\$2,800.00
5328	Perpendicular	NW	\$2,800.00
5326	Blended Transition	SE	\$2,800.00
5327	Blended Transition	SW	\$2,800.00
BUELL and S UNION			\$2,800.00
5323	Perpendicular	WSW	\$2,800.00
CALARCO CT and COLCHESTER AV			\$0.00
2074	Driveway	E	\$0.00
CANFIELD and LAKEVIEW TERR			\$3,800.00
1452	Blended Transition	NE	\$1,000.00
1451	Perpendicular	SE	\$2,800.00
CAROLINE and CATHERINE			\$11,200.00
1077	Perpendicular	NE	\$2,800.00
1080	Blended Transition	NW	\$2,800.00
1078	Perpendicular	SE	\$2,800.00
1079	Perpendicular	SW	\$2,800.00
CAROLINE and HOWARD			\$4,300.00
1076	Perpendicular	SE	\$2,800.00
1075	Blended Transition	SW	\$1,500.00
CAROLINE and LOCUST			\$9,100.00
5131	Blended Transition	ESE	\$2,800.00
5130	Blended Transition	NE	\$2,800.00
5129	Blended Transition	NW	\$1,500.00
5132	Perpendicular	SSE	\$2,000.00
CAROLINE and MARGARET			\$4,300.00
5134	Perpendicular	NE	\$2,800.00
5133	Perpendicular	SE	\$1,500.00
CASE PKWY and EAST AV			\$5,600.00
2025	Perpendicular	NE	\$2,800.00
2024	Perpendicular	SE	\$2,800.00
CATHERINE and ST PAUL			\$3,000.00

5146	Perpendicular	NW	\$1,500.00
5145	Blended Transition	SW	\$1,500.00
CATHERINE and CHARLOTTE			\$4,300.00
1081	Perpendicular	SE	\$2,800.00
1082	Blended Transition	SW	\$1,500.00
CATHERINE and HAYWARD			\$5,600.00
1084	Blended Transition	NE	\$2,800.00
1083	Blended Transition	SE	\$2,800.00
CAYUGA CT and DORSET LN			\$5,600.00
1846	Perpendicular	NE	\$2,800.00
1847	Perpendicular	SE	\$2,800.00
CAYUGA CT and GREEN ACRES DR			\$9,400.00
1844	Perpendicular	NE	\$2,800.00
1843	Blended Transition	NW	\$1,000.00
1845	Blended Transition	SE	\$2,800.00
1842	Perpendicular	SW	\$2,800.00
CEDAR and ELMWOOD AV			\$5,600.00
1554	Perpendicular	NW	\$2,800.00
1553	Perpendicular	SW	\$2,800.00
CEDAR and LAFOUNTAIN			\$1,500.00
1551	Perpendicular	NE	\$1,500.00
CEDAR and N CHAMPLAIN			\$2,800.00
1538	Perpendicular	NE	\$2,800.00
CEDAR and ROSE			\$8,300.00
1547	Blended Transition	NE	\$1,500.00
1545	Blended Transition	NW	\$2,000.00
1548	Blended Transition	SE	\$2,800.00
1546	Blended Transition	SW	\$2,000.00
CENTRAL AV and HARRISON AV			\$4,800.00
5118	Perpendicular	NW	\$2,800.00
5119	Perpendicular	SE	\$2,000.00
CENTRAL AV and LAKESIDE AV			\$2,800.00
5113	Perpendicular	SE	\$2,800.00
CENTRAL AV and WRIGHT AV			\$10,400.00
5114	Perpendicular	NE	\$2,000.00
5115	Blended Transition	NW	\$2,800.00
5117	Perpendicular	SE	\$2,800.00
5116	Perpendicular	SW	\$2,800.00
CHARITY and GAZO AV			\$5,600.00
1983	Perpendicular	SE	\$2,800.00
1982	Perpendicular	SW	\$2,800.00
CHARITY and RANDY LN			\$5,600.00
1984	Perpendicular	NE	\$2,800.00
1985	Perpendicular	NW	\$2,800.00
CHARLES and N WILLARD			\$3,000.00
5461	Blended Transition	NW	\$1,500.00

5462	Perpendicular	SW	\$1,500.00
CHARLES and RUSSELL			\$1,500.00
5463	Perpendicular	SE	\$1,500.00
CHARLOTTE and LOCUST			\$7,600.00
5127	Perpendicular	NE	\$2,000.00
5126	Perpendicular	NNW	\$2,800.00
5125	Perpendicular	WNW	\$2,800.00
CHASE and			\$5,600.00
2058	Perpendicular	N	\$2,800.00
2059	Perpendicular	S	\$2,800.00
CHASE and COLCHESTER AV			\$2,800.00
2073	Perpendicular	SE	\$2,800.00
CHASE and GROVE			\$8,400.00
2066	Perpendicular	NE	\$2,800.00
2067	Perpendicular	SE	\$2,800.00
2068	Perpendicular	SW	\$2,800.00
CHASE and CHASE LN			\$5,600.00
2070	Blended Transition	SE	\$2,800.00
2071	Perpendicular	SW	\$2,800.00
CHASE and RUMSEY LN			\$0.00
2069	Driveway	S	\$0.00
CHERRY LN and CHERRY LN			\$1,500.00
1055	Perpendicular	SE	\$1,500.00
CHERRY LN and LINDEN TERR			\$2,800.00
5112	Blended Transition	SW	\$2,800.00
CHURCH and PEARL			\$1,500.00
1313	Blended Transition	N	\$1,500.00
1314	Blended Transition	S	\$0.00
CHURCH and COLLEGE			\$1,000.00
1282	Blended Transition	N & S	\$1,000.00
CHURCH and KING			\$9,100.00
1175	Parallel	NE	\$1,500.00
1174	Perpendicular	NW	\$2,800.00
1176	Blended Transition	SE	\$2,000.00
1173	Blended Transition	SW	\$2,800.00
CLAIRE POINT RD and DERWAY DR			\$2,800.00
1905	Blended Transition	NW	\$2,800.00
CLARKE and PEARL			\$3,000.00
1311	Perpendicular	NE	\$1,500.00
1312	Perpendicular	NW	\$1,500.00
CLARKE and GRANT			\$1,500.00
5590	Perpendicular	SW	\$1,500.00
CLIFF and S WILLARD			\$8,400.00
5240	Perpendicular	NW	\$2,800.00
5238	Perpendicular	SE	\$2,800.00
5239	Perpendicular	SW	\$2,800.00

CLIFF and OVERLAKE PK			\$4,300.00
5184	Perpendicular	NW	\$1,500.00
5183	Perpendicular	SW	\$2,800.00
CLIFF and S UNION			\$2,800.00
5232	Perpendicular	NE	\$2,800.00
CLOVER LN and TURF RD			\$5,600.00
1891	Perpendicular	SE	\$2,800.00
1892	Perpendicular	SW	\$2,800.00
COLLEGE and			\$9,050.00
1617	Blended Transition	NE	\$2,800.00
1619	Perpendicular	NE	\$2,800.00
1618	Blended Transition	NW	\$1,500.00
1620	Blended Transition	NW	\$1,500.00
1239	General	S	\$450.00
COLLEGE and			\$4,800.00
1238	General	E	
1240	Blended Transition	SE	\$2,000.00
1237	Blended Transition	SW	\$2,800.00
COLLEGE and S WILLARD			\$11,900.00
5344	Perpendicular	ENE	\$1,500.00
5345	Perpendicular	NNE	\$2,800.00
5346	Blended Transition	NNW	\$2,000.00
5342	Perpendicular	SSE	\$2,800.00
5347	Perpendicular	WNW	\$2,800.00
COLLEGE and S WINOOSKI AV			\$2,800.00
1288	Perpendicular	NW	\$2,800.00
COLLEGE and ST PAUL			\$15,500.00
1279	Perpendicular	ENE	\$2,800.00
1280	Perpendicular	ESE	\$2,800.00
1278	Perpendicular	NNE	\$2,800.00
1281	Perpendicular	SSE	\$2,800.00
1275	Blended Transition	SSW	\$1,500.00
1276	Blended Transition	WSW	\$2,800.00
COLLEGE and LAKE			\$11,200.00
1243	Perpendicular	ENE	\$2,800.00
1241	Blended Transition	NW	\$2,800.00
1246	Perpendicular	SSW	\$2,800.00
1247	Perpendicular	WSW	\$2,800.00
COLLEGE and S PROSPECT			\$5,800.00
5369	Perpendicular	NE	\$1,000.00
5368	Perpendicular	NW	\$2,000.00
5366	Perpendicular	SE	\$2,800.00
COLLEGE and MARKHAMS LN			\$2,800.00
1286	Perpendicular	SW	\$2,800.00
COLLEGE and S CHAMPLAIN			\$7,100.00
1253	Perpendicular	NE	\$2,800.00

1252	Perpendicular	NW	\$2,800.00
1256	Blended Transition	SSW	\$1,500.00
1257	Perpendicular	WSW	\$0.00
COLLEGE and S UNION			\$11,200.00
5313	Perpendicular	ENE	\$2,800.00
5312	Perpendicular	NNE	\$2,800.00
5317	Perpendicular	NNW	\$2,800.00
5314	Perpendicular	SE	\$2,800.00
COLLEGE and S WILLIAMS			\$11,900.00
5350	Perpendicular	ESE	\$2,800.00
5348	Perpendicular	NW	\$2,000.00
5351	Perpendicular	SSE	\$2,800.00
5352	Blended Transition	SSW	\$1,500.00
5353	Perpendicular	WSW	\$2,800.00
COLONIAL SQ and N PROSPECT			\$7,600.00
5578	Perpendicular	NW	\$2,800.00
5577	Perpendicular	SW	\$2,800.00
5579	Perpendicular	SW	\$2,000.00
COLONIAL SQ and			\$4,300.00
5576	Blended Transition	SE	\$1,500.00
5574	Perpendicular	SW	\$2,800.00
CONGER AV and CONGER AV			\$3,000.00
1064	Perpendicular	E	\$1,500.00
1063	Blended Transition	W	\$1,500.00
CONGER AV and HARRISON AV			\$1,000.00
1065	Blended Transition	NE	\$1,000.00
CONGER AV and LAKESIDE AV			\$2,800.00
1060	Perpendicular	SW	\$2,800.00
CONGER AV and WRIGHT AV			\$5,600.00
1061	Perpendicular	NW	\$2,800.00
1062	Perpendicular	SW	\$2,800.00
CONVENT SQ and CONVENT SQ			\$2,800.00
1476	Perpendicular	SW	\$2,800.00
CONVENT SQ and WASHINGTON			\$4,300.00
1478	Perpendicular	NE	\$1,500.00
1477	Perpendicular	NW	\$2,800.00
COTTAGE GROVE and GREY MEADOW DR			\$1,000.00
1857	Perpendicular	SW	\$1,000.00
CRESCENT BEACH DR and RIDGEWOOD DR			\$2,800.00
1816	Perpendicular	NE	\$2,800.00
CRESCENT BEACH DR and SHORE RD			\$11,200.00
1817	Perpendicular	NE	\$2,800.00
1820	Perpendicular	NE	\$2,800.00
1818	Perpendicular	NW	\$2,800.00
1819	Perpendicular	NW	\$2,800.00
CRESCENT BEACH DR and SURF RD			\$5,600.00

1821	Perpendicular	NE	\$2,800.00
1822	Perpendicular	NW	\$2,800.00
CRESCENT RD and S PROSPECT			\$1,500.00
1097	Parallel	SW	\$1,500.00
CRESCENT RD and PROSPECT PKWY			\$4,300.00
1096	Perpendicular	NE	\$2,800.00
1095	Parallel	NW	\$1,500.00
CROMBIE and N WINOOSKI AV			\$3,000.00
1594	Perpendicular	NW	\$1,500.00
1593	Blended Transition	SW	\$1,500.00
CROMBIE and INTERVALE AV			\$2,000.00
1588	Perpendicular	NE	\$1,000.00
1589	Blended Transition	SE	\$1,000.00
CROWLEY and			\$2,800.00
1464	Perpendicular	SW	\$2,800.00
DALE RD and SHORE RD			\$11,200.00
1746	Perpendicular	NE	\$2,800.00
1747	Perpendicular	NW	\$2,800.00
1749	Perpendicular	SE	\$2,800.00
1748	Perpendicular	SW	\$2,800.00
DALE RD and WILDWOOD DR			\$5,600.00
1756	Perpendicular	NE	\$2,800.00
1755	Perpendicular	SE	\$2,800.00
DAN'S CT and NORTH ST			\$4,300.00
5526	Perpendicular	NE	\$2,800.00
5528	Blended Transition	NW	\$1,500.00
DECATUR and INTERVALE AV			\$3,800.00
1584	Perpendicular	NE	\$2,800.00
1585	Perpendicular	SE	\$1,000.00
DECATUR and N UNION			\$10,300.00
1598	Perpendicular	NE	\$1,500.00
1597	Perpendicular	NNW	\$1,500.00
1600	Blended Transition	S	\$1,500.00
1599	Perpendicular	SE	\$2,800.00
1595	Blended Transition	SW	\$1,500.00
1596	Perpendicular	WNW	\$1,500.00
DEFOREST RD and OVERLAKE PK			\$2,500.00
1114	Perpendicular	NW	\$1,500.00
1113	Perpendicular	SW	\$1,000.00
DODDS CT and IVY LN			\$2,800.00
1729	Perpendicular	NW	\$2,800.00
DODDS CT and SHORE RD			\$9,400.00
1728	Blended Transition	NE	\$2,800.00
1727	Perpendicular	NW	\$2,800.00
1725	Perpendicular	SE	\$1,000.00
1726	Perpendicular	SW	\$2,800.00

DREW and NORTH ST			\$4,800.00
1515	Perpendicular	NE	\$2,800.00
1514	Blended Transition	NW	\$2,000.00
DREW and STRONG			\$14,900.00
1509	Perpendicular	ENE	\$2,800.00
1510	Perpendicular	ESE	\$1,500.00
1508	Perpendicular	NNE	\$1,500.00
1506	Perpendicular	NNW	\$1,000.00
1511	Perpendicular	SSE	\$1,500.00
1512	Perpendicular	SSW	\$1,000.00
1507	Perpendicular	WNW	\$2,800.00
1513	Perpendicular	WSW	\$2,800.00
DREW and WARD			\$12,400.00
1501	Perpendicular	ESE	\$1,000.00
1500	Perpendicular	NE	\$2,800.00
1505	Perpendicular	NW	\$1,500.00
1502	Perpendicular	SSE	\$2,800.00
1503	Perpendicular	SSW	\$2,800.00
1504	Perpendicular	WSW	\$1,500.00
EDGEWOOD LN and LEDGE RD			\$4,300.00
1087	Perpendicular	NE	\$2,800.00
1088	Blended Transition	NW	\$1,500.00
EDINBOROUGH DR and MUIRFIELD RD			\$9,400.00
1794	Perpendicular	ENE	\$2,800.00
1795	Perpendicular	NNE	\$2,800.00
1796	Perpendicular	NW	\$2,800.00
1793	Blended Transition	SE	\$1,000.00
EDSON and SIMMS			\$2,800.00
2167	Perpendicular	NE	\$2,800.00
ELM TERR and S WINOOSKI AV			\$3,000.00
5218	Perpendicular	NW	\$1,500.00
5219	Blended Transition	SW	\$1,500.00
ELMWOOD AV and PEARL			\$9,900.00
1316	Blended Transition	ENE	\$2,800.00
1317	Perpendicular	NNE	\$1,500.00
1318	Perpendicular	NW	\$2,800.00
1315	Blended Transition	SE	\$2,800.00
ELMWOOD AV and GRANT			\$2,800.00
1395	Perpendicular	SW	\$2,800.00
ELMWOOD AV and INTERVALE AV			\$5,300.00
1409	Perpendicular	NW	\$1,000.00
1406	Parallel	SSE	\$1,500.00
1410	Perpendicular	W	\$2,800.00
ELMWOOD AV and PERU			\$9,900.00
1401	Perpendicular	NW	\$1,500.00
1398	Perpendicular	SE	\$2,800.00
1399	Perpendicular	SSW	\$2,800.00

1400	Perpendicular	WSW	\$2,800.00
ETHAN ALLEN PKWY and			\$5,600.00
1686	Perpendicular	E	\$2,800.00
1685	Perpendicular	W	\$2,800.00
ETHAN ALLEN PKWY and FARRINGTON PKWY			\$5,600.00
1929	Perpendicular	NW	\$2,800.00
1930	Perpendicular	SW	\$2,800.00
ETHAN ALLEN PKWY and GAZO AV			\$2,800.00
1964	Perpendicular	SW	\$2,800.00
ETHAN ALLEN PKWY and IRA LN			\$8,400.00
1953	Perpendicular	NE	\$2,800.00
1955	Perpendicular	NW	\$2,800.00
1954	Perpendicular	SE	\$2,800.00
ETHAN ALLEN PKWY and JAMES AV			\$5,600.00
1956	Perpendicular	NW	\$2,800.00
1957	Perpendicular	SW	\$2,800.00
ETHAN ALLEN PKWY and LOPES AV			\$5,600.00
1914	Blended Transition	NW	\$2,800.00
1915	Blended Transition	SW	\$2,800.00
ETHAN ALLEN PKWY and MOORE DR			\$2,800.00
1969	Perpendicular	NW	\$2,800.00
ETHAN ALLEN PKWY and SANDY LN			\$5,600.00
1927	Perpendicular	NW	\$2,800.00
1928	Perpendicular	SW	\$2,800.00
FAIRMONT PL and LOALDO DR			\$8,600.00
1854	Perpendicular	NE	\$2,800.00
1856	Blended Transition	NW	\$2,000.00
1853	Perpendicular	SE	\$2,800.00
1855	Perpendicular	SW	\$1,000.00
FAITH and GAZO AV			\$5,600.00
1962	Perpendicular	SE	\$2,800.00
1961	Perpendicular	SW	\$2,800.00
FAITH and JAMES AV			\$8,400.00
1958	Perpendicular	NE	\$2,800.00
1959	Perpendicular	NW	\$2,800.00
1960	Perpendicular	SW	\$2,800.00
FARRINGTON PKWY and GOSSE CT			\$7,100.00
1950	Perpendicular	NW	\$2,800.00
1952	Blended Transition	SE	\$1,500.00
1951	Perpendicular	SW	\$2,800.00
FERGUSON AV and SHELBURNE RD			\$7,100.00
5093	Blended Transition	NNW	\$1,500.00
5091	Blended Transition	SW	\$2,800.00
5092	Blended Transition	WNW	\$2,800.00
FERGUSON AV and PINE			\$13,600.00
1013	Blended Transition	ENE	\$2,800.00

1012	Blended Transition	ESE	\$1,000.00
1014	Blended Transition	NNE	\$1,500.00
1007	Blended Transition	NNW	\$1,000.00
1011	Blended Transition	SSE	\$1,500.00
1010	Blended Transition	SSW	\$1,000.00
1008	Blended Transition	WNW	\$2,800.00
1009	Blended Transition	WSW	\$2,000.00
FERGUSON AV and FOSTER			\$8,600.00
5044	Perpendicular	NE	\$2,800.00
5043	Perpendicular	NW	\$1,500.00
5045	Perpendicular	SE	\$2,800.00
5046	Perpendicular	SW	\$1,500.00
FERGUSON AV and RICHARDSON			\$8,600.00
5064	Perpendicular	NE	\$2,800.00
5065	Blended Transition	NW	\$1,500.00
5067	Blended Transition	SE	\$1,500.00
5066	Blended Transition	SW	\$2,800.00
FERGUSON AV and WELLS			\$9,900.00
5083	Perpendicular	NE	\$2,800.00
5082	Perpendicular	NW	\$1,500.00
5079	Perpendicular	SE	\$2,800.00
5081	Perpendicular	SW	\$2,800.00
FLYNN AV and SHELBURNE RD			\$8,800.00
5097	Perpendicular	NE	\$1,500.00
5096	Blended Transition	NNW	\$1,500.00
5098	Perpendicular	SE	\$2,800.00
5094	Blended Transition	SW	\$1,500.00
5095	Parallel	WNW	\$1,500.00
FLYNN AV and PINE			\$15,100.00
1004	Perpendicular	ENE	\$2,800.00
1003	Blended Transition	ESE	\$2,000.00
1005	Perpendicular	NNE	\$2,800.00
1006	Perpendicular	NW	\$3,000.00
1002	Blended Transition	SSE	\$1,000.00
1001	Blended Transition	SSW	\$2,000.00
1000	Blended Transition	WSW	\$1,500.00
FLYNN AV and FOSTER			\$9,900.00
5039	Perpendicular	ESE	\$2,800.00
5040	Blended Transition	SSE	\$2,800.00
5041	Perpendicular	SSW	\$2,800.00
5042	Perpendicular	WSW	\$1,500.00
FLYNN AV and LAKE FOREST DR			\$2,000.00
5038	Blended Transition	SW	\$2,000.00
FLYNN AV and OAK BEACH DR			\$8,400.00
5028	Perpendicular	N	\$2,800.00
5029	Blended Transition	SE	\$2,800.00
5030	Perpendicular	SW	\$2,800.00

FLYNN AV and RICHARDSON			\$3,000.00
5063	Blended Transition	SE	\$1,500.00
5062	Blended Transition	SW	\$1,500.00
FLYNN AV and WELLS			\$3,800.00
5084	Perpendicular	SE	\$2,800.00
5085	Blended Transition	SW	\$1,000.00
FOSTER and LYMAN AV			\$6,800.00
5048	Perpendicular	NE	\$2,800.00
5047	Perpendicular	NW	\$1,000.00
5049	Blended Transition	SE	\$1,500.00
5050	Blended Transition	SW	\$1,500.00
FRONT and NORTH ST			\$5,600.00
1519	Perpendicular	SE	\$2,800.00
1518	Perpendicular	SW	\$2,800.00
FRONT and SUMMER			\$2,800.00
1433	Perpendicular	SE	\$2,800.00
GAZO AV and HOPE			\$5,600.00
1980	Perpendicular	SE	\$2,800.00
1981	Perpendicular	SW	\$2,800.00
GAZO AV and MATTHEW AV			\$5,600.00
1994	Perpendicular	SE	\$2,800.00
1993	Perpendicular	SW	\$2,800.00
GAZO AV and RANDY LN			\$11,200.00
1988	Perpendicular	NE	\$2,800.00
1987	Perpendicular	NW	\$2,800.00
1989	Perpendicular	SE	\$2,800.00
1990	Perpendicular	SW	\$2,800.00
GAZO AV and SANDRA CIR			\$11,200.00
1996	Perpendicular	NE	\$2,800.00
2000	Perpendicular	NE	\$2,800.00
1995	Perpendicular	NW	\$2,800.00
1999	Perpendicular	SE	\$2,800.00
GEORGE and PEARL			\$4,300.00
1324	Perpendicular	NE	\$2,800.00
1326	Perpendicular	SW	\$1,500.00
GEORGE and MONROE			\$2,800.00
1385	Perpendicular	NW	\$2,800.00
GEORGE and PERU			\$5,600.00
1394	Perpendicular	SE	\$2,800.00
1393	Perpendicular	SW	\$2,800.00
GERMAIN and POMEROY			\$5,600.00
5573	Perpendicular	NE	\$2,800.00
5572	Perpendicular	NW	\$2,800.00
GLENWOOD LN and SHORE RD			\$5,600.00
1740	Perpendicular	SE	\$2,800.00
1741	Perpendicular	SW	\$2,800.00

GLENWOOD LN and WILDWOOD DR			\$5,600.00
1751	Perpendicular	NE	\$2,800.00
1752	Perpendicular	NW	\$2,800.00
GOLDEN PL and HOWARD			\$4,300.00
1074	Perpendicular	NE	\$2,800.00
1073	Blended Transition	NW	\$1,500.00
GOSSE CT and			\$7,100.00
1945	Perpendicular	NE	\$2,800.00
1947	Perpendicular	NW	\$1,500.00
1944	Perpendicular	SE	\$2,800.00
GOSSE CT and MARSHALL DR			\$5,600.00
1949	Perpendicular	SE	\$2,800.00
1948	Perpendicular	SW	\$2,800.00
GOVE CT and SHELBURNE RD			\$4,300.00
5171	Perpendicular	NW	\$2,800.00
5170	Blended Transition	SW	\$1,500.00
GREENE and PEARL			\$3,000.00
5295	Perpendicular	NE	\$1,500.00
5294	Perpendicular	NW	\$1,500.00
GREENE and LOOMIS			\$1,500.00
5458	Perpendicular	SW	\$1,500.00
GREY MEADOW DR and STARR FARM RD			\$5,600.00
1862	Perpendicular	SE	\$2,800.00
1863	Perpendicular	SW	\$2,800.00
GREY MEADOW DR and			\$9,400.00
1861	Perpendicular	NE	\$2,800.00
1860	Perpendicular	NW	\$1,000.00
1859	Perpendicular	NE	\$2,800.00
1858	Perpendicular	NW	\$2,800.00
HALE CT and SARATOGA AV			\$8,400.00
1653	Perpendicular	NE	\$2,800.00
1652	Blended Transition	SE	\$2,800.00
1651	Perpendicular	SW	\$2,800.00
HARDY AV and WESTWARD DR			\$5,600.00
1906	Perpendicular	NE	\$2,800.00
1907	Perpendicular	NW	\$2,800.00
HARRINGTON TERR and JACKSON CT			\$2,800.00
5269	Perpendicular	SW	\$2,800.00
HASWELL and LAKEVIEW TERR			\$5,600.00
1448	Perpendicular	NE	\$2,800.00
1447	Perpendicular	SE	\$2,800.00
HAYWARD and HOWARD			\$7,300.00
1072	Perpendicular	NE	\$2,800.00
1069	Blended Transition	NW	\$1,500.00
1071	Blended Transition	SE	\$1,500.00
1070	Blended Transition	SW	\$1,500.00

HAYWARD and MARBLE AV			\$4,300.00
5195	Perpendicular	SE	\$2,800.00
5194	Blended Transition	SW	\$1,500.00
HENDERSON TERR and S PROSPECT			\$5,800.00
5253	Perpendicular	ENE	\$1,500.00
5254	Perpendicular	NNE	\$1,500.00
5256	Blended Transition	NW	\$0.00
5252	Perpendicular	SE	\$2,800.00
HENRY and N WILLARD			\$5,600.00
5480	Perpendicular	NE	\$2,800.00
5481	Perpendicular	SE	\$2,800.00
HENRY and N PROSPECT			\$5,600.00
5519	Perpendicular	NW	\$2,800.00
5518	Perpendicular	SW	\$2,800.00
HENRY and WESTON			\$5,600.00
5483	Perpendicular	SE	\$2,800.00
5482	Perpendicular	SW	\$2,800.00
HIGH GROVE CT and NORTH ST			\$5,600.00
5524	Perpendicular	NE	\$2,800.00
5525	Perpendicular	NW	\$2,800.00
HILLCREST RD and LEDGE RD			\$5,600.00
1091	Perpendicular	NE	\$2,800.00
1090	Perpendicular	SE	\$2,800.00
HOLLY LN and SHORE RD			\$5,600.00
1742	Perpendicular	SE	\$2,800.00
1743	Perpendicular	SW	\$2,800.00
HOLLY LN and WILDWOOD DR			\$5,600.00
1753	Perpendicular	NE	\$2,800.00
1754	Perpendicular	NW	\$2,800.00
HOME AV and SHELBURNE RD			\$7,100.00
1035	Blended Transition	NW	\$2,800.00
1037	Blended Transition	SSW	\$1,500.00
1036	Perpendicular	WSW	\$2,800.00
HOME AV and PINE			\$11,200.00
5019	Perpendicular	ESE	\$2,800.00
5020	Blended Transition	NE	\$2,800.00
5018	Perpendicular	SSE	\$2,800.00
5017	Perpendicular	SW	\$2,800.00
HOME AV and RICHARDSON			\$4,300.00
5027	Perpendicular	NE	\$1,500.00
5026	Perpendicular	NW	\$2,800.00
HOME AV and S CREST DR			\$8,400.00
5012	Perpendicular	ESE	\$2,800.00
5011	Perpendicular	SSE	\$2,800.00
5013	Perpendicular	SW	\$2,800.00
HOME AV and WELLS			\$2,800.00

1047	Perpendicular	NE	\$2,800.00
HOME AV and RAYMOND PL			\$5,600.00
5024	Blended Transition	SE	\$2,800.00
5025	Perpendicular	SW	\$2,800.00
HOOVER and SHELBURNE RD			\$5,600.00
5167	Perpendicular	NE	\$2,800.00
5166	Perpendicular	SE	\$2,800.00
HOOVER and LUDWIG CT			\$4,300.00
5164	Perpendicular	NE	\$1,500.00
5165	Perpendicular	NW	\$2,800.00
HOOVER and PERROTTA PL			\$3,500.00
5163	Perpendicular	SE	\$2,000.00
5162	Perpendicular	SW	\$1,500.00
HOPE and JAMES AV			\$9,900.00
1972	Perpendicular	ENE	\$2,800.00
1973	Perpendicular	NNE	\$2,800.00
1974	Blended Transition	NW	\$1,500.00
1975	Perpendicular	SE	\$2,800.00
HOPE and RANDY LN			\$9,400.00
1976	Perpendicular	NNW	\$2,800.00
1979	Perpendicular	SSW	\$2,800.00
1977	Perpendicular	WNW	\$2,800.00
1978	Perpendicular	WSW	\$1,000.00
HOWARD and S WILLARD			\$5,600.00
1102	Blended Transition	NW	\$2,800.00
1103	Blended Transition	SW	\$2,800.00
HYDE and N WILLARD			\$5,600.00
5562	Perpendicular	E	\$2,800.00
5563	Perpendicular	W	\$2,800.00
HYDE and NORTH ST			\$5,600.00
1603	Perpendicular	NE	\$2,800.00
1602	Perpendicular	WNW	\$2,800.00
HYDE and POMEROY			\$5,600.00
5556	Perpendicular	NE	\$2,800.00
5557	Perpendicular	SE	\$2,800.00
INSTITUTE RD and			\$11,200.00
1635	Perpendicular	N	\$2,800.00
1637	Perpendicular	N	\$2,800.00
1634	Perpendicular	S	\$2,800.00
1636	Perpendicular	S	\$2,800.00
INTERVALE AV and MANHATTAN DR			\$1,500.00
5610	Blended Transition	SW	\$1,500.00
INTERVALE AV and LUCK			\$5,600.00
5611	Perpendicular	NW	\$2,800.00
5612	Perpendicular	SW	\$2,800.00
INTERVALE AV and SPRING			\$1,500.00

1591	Perpendicular	NW	\$1,500.00
INTERVALE AV and WILLOW			\$3,000.00
1578	Perpendicular	NW	\$1,500.00
1579	Perpendicular	SW	\$1,500.00
INTERVALE RD and N PROSPECT			\$11,200.00
5588	Perpendicular	ENE	\$2,800.00
5587	Perpendicular	NNE	\$2,800.00
5586	Perpendicular	NW	\$2,800.00
5589	Perpendicular	SE	\$2,800.00
IRANISTAN RD and LEDGE RD			\$2,800.00
5153	Perpendicular	NE	\$2,800.00
JACKSON CT and S WILLARD			\$5,600.00
5271	Blended Transition	NE	\$2,800.00
5272	Perpendicular	SE	\$2,800.00
JAMES AV and JANET CIR			\$11,200.00
2008	Perpendicular	NW	\$2,800.00
2010	Perpendicular	NW	\$2,800.00
2009	Perpendicular	SW	\$2,800.00
2011	Perpendicular	SW	\$2,800.00
JAMES AV and MATTHEW AV			\$5,600.00
2005	Perpendicular	NE	\$2,800.00
2004	Perpendicular	NW	\$2,800.00
JAMES AV and SANDRA CIR			\$5,600.00
2002	Perpendicular	SE	\$2,800.00
2003	Perpendicular	SW	\$2,800.00
JOHNSON and MONROE			\$5,600.00
1384	Perpendicular	NE	\$2,800.00
1383	Perpendicular	NW	\$2,800.00
JOHNSON and PERU			\$11,200.00
1389	Perpendicular	ESE	\$2,800.00
1390	Perpendicular	NE	\$2,800.00
1388	Perpendicular	SSE	\$2,800.00
1387	Perpendicular	SW	\$2,800.00
JUNIPER TERR and SUMMIT			\$4,300.00
5245	Perpendicular	NW	\$1,500.00
5246	Perpendicular	SW	\$2,800.00
KILBURN and ST PAUL			\$4,300.00
5203	Perpendicular	NW	\$2,800.00
5202	Perpendicular	SW	\$1,500.00
KILBURN and			\$3,000.00
5208	Parallel	S	\$3,000.00
KING and STEELE			\$1,000.00
1131	General	E	\$1,000.00
KINGSLAND TERR and S UNION			\$3,000.00
5236	Perpendicular	NE	\$1,500.00
5237	Blended Transition	SE	\$1,500.00

LAFAYETTE PL and PEARL			\$4,300.00
5333	Blended Transition	NE	\$1,500.00
5332	Blended Transition	NW	\$2,800.00
LAFOUNTAIN and MANHATTAN DR			\$5,600.00
1555	Perpendicular	SE	\$2,800.00
1556	Perpendicular	SW	\$2,800.00
LAFOUNTAIN and NORTH ST			\$4,300.00
1412	Perpendicular	NE	\$2,800.00
1413	Perpendicular	NW	\$1,500.00
LAUREL CT and SHORE RD			\$5,600.00
1723	Perpendicular	SE	\$2,800.00
1724	Perpendicular	SW	\$2,800.00
LAWSON LN and ST PAUL			\$4,300.00
1273	Blended Transition	E	\$2,800.00
1274	Blended Transition	W	\$1,500.00
LEDGEMERE and MARGARET			\$2,800.00
5135	Blended Transition	NW	\$2,800.00
LEDGEMERE and MARIAN			\$2,800.00
5137	Perpendicular	NE	\$2,800.00
LOCUST and LOCUST TERR			\$5,600.00
5124	Perpendicular	NE	\$2,800.00
5123	Blended Transition	NW	\$2,800.00
LOOMIS and N WILLARD			\$15,900.00
5486	Perpendicular	ENE	\$1,500.00
5493	Perpendicular	ESE	\$2,800.00
5487	Perpendicular	NNE	\$1,500.00
5488	Perpendicular	NNW	\$1,500.00
5492	Perpendicular	SSE	\$2,800.00
5491	Perpendicular	SSW	\$1,500.00
5489	Perpendicular	WNW	\$2,800.00
5490	Perpendicular	WSW	\$1,500.00
LOOMIS and MANSFIELD AV			\$12,700.00
5538	Perpendicular	NNW	\$2,800.00
5541	Perpendicular	SE	\$2,800.00
5540	Perpendicular	SSW	\$2,800.00
5537	Blended Transition	WNW	\$1,500.00
5539	Perpendicular	WSW	\$2,800.00
LOOMIS and N PROSPECT			\$21,100.00
5511	Perpendicular	ENE	\$2,800.00
5512	Perpendicular	ESE	\$2,800.00
5510	Perpendicular	NNE	\$2,800.00
5509	Perpendicular	NNW	\$1,500.00
5513	Perpendicular	SSE	\$2,800.00
5506	Perpendicular	SSW	\$2,800.00
5508	Perpendicular	WNW	\$2,800.00
5507	Perpendicular	WSW	\$2,800.00

LOOMIS and N UNION			\$7,600.00
5438	Perpendicular	ESE	\$2,000.00
5439	Perpendicular	SSE	\$2,800.00
5440	Perpendicular	SW	\$2,800.00
LOOMIS and SCHOOL			\$5,600.00
5459	Perpendicular	NE	\$2,800.00
5460	Perpendicular	NW	\$2,800.00
LOOMIS and WESTON			\$5,600.00
5484	Perpendicular	NE	\$2,800.00
5485	Perpendicular	NW	\$2,800.00
LOPES AV and LOPES AV			\$2,800.00
1922	Perpendicular	NE	\$2,800.00
LOPES AV and ROSEADE PKWY			\$2,800.00
1923	Perpendicular	SE	\$2,800.00
LOPES AV and SANDY LN			\$8,400.00
1916	Perpendicular	NE	\$2,800.00
1917	Perpendicular	NNW	\$2,800.00
1918	Perpendicular	WNW	\$2,800.00
LORI LN and RANDY LN			\$5,600.00
1992	Perpendicular	SE	\$2,800.00
1991	Perpendicular	SW	\$2,800.00
LUCK and ST LOUIS			\$4,300.00
5638	Blended Transition	NE	\$1,500.00
5639	Perpendicular	SE	\$2,800.00
LUCK and ST MARYS			\$4,500.00
5642	Perpendicular	NE	\$1,500.00
5643	Blended Transition	NW	\$1,500.00
5641	Blended Transition	SE	\$0.00
5640	Perpendicular	SW	\$1,500.00
LYMAN AV and SHELBURNE RD			\$5,800.00
5090	Blended Transition	NNW	\$1,500.00
5088	Perpendicular	SW	\$2,800.00
5089	Blended Transition	WNW	\$1,500.00
LYMAN AV and PINE			\$15,600.00
1016	Blended Transition	ENE	\$2,800.00
1022	Blended Transition	ESE	\$2,000.00
1015	Blended Transition	NNE	\$1,500.00
1017	Blended Transition	NNW	\$1,500.00
1021	Blended Transition	SSE	\$1,500.00
1020	Blended Transition	SSW	\$2,800.00
1018	Blended Transition	WNW	\$1,500.00
1019	Perpendicular	WSW	\$2,000.00
LYMAN AV and RICHARDSON			\$4,800.00
5068	Perpendicular	NE	\$2,000.00
5071	Perpendicular	SE	\$2,800.00
LYMAN AV and WELLS			\$8,400.00

5078	Blended Transition	NW	\$2,800.00
5076	Perpendicular	SE	\$2,800.00
5075	Perpendicular	SW	\$2,800.00
MARBLE AV and ST PAUL			\$4,800.00
5197	Perpendicular	NW	\$2,000.00
5196	Perpendicular	SW	\$2,800.00
MARIAN and SHELBURNE RD			\$5,600.00
5138	Perpendicular	NW	\$2,800.00
5139	Perpendicular	SW	\$2,800.00
MATTHEW AV and SANDRA CIR			\$5,800.00
2007	Perpendicular	NW	\$3,000.00
2006	Perpendicular	SW	\$2,800.00
MERIDIAN and SKY DR			\$5,600.00
2179	Perpendicular	NE	\$2,800.00
2178	Perpendicular	NW	\$2,800.00
MERIDIAN and SUNSET DR			\$5,600.00
2177	Perpendicular	NE	\$2,800.00
2176	Perpendicular	SE	\$2,800.00
MERIDIAN and VENUS AV			\$11,200.00
2181	Perpendicular	NW	\$2,800.00
2180	Perpendicular	SE	\$2,800.00
2182	Perpendicular	SSW	\$2,800.00
2183	Perpendicular	WSW	\$2,800.00
MONROE and PARK			\$8,400.00
1360	Perpendicular	ENE	\$2,800.00
1359	Perpendicular	NNE	\$2,800.00
1358	Perpendicular	NW	\$2,800.00
MONROE and N CHAMPLAIN			\$13,400.00
1376	Perpendicular	ENE	\$1,000.00
1377	Perpendicular	ESE	\$1,000.00
1375	Perpendicular	NNE	\$2,800.00
1382	Perpendicular	NNW	\$2,800.00
1378	Perpendicular	SSE	\$2,800.00
1381	Perpendicular	WNW	\$1,500.00
1380	Blended Transition	WSW	\$1,500.00
MORRILL DR and VAN PATTEN PKWY			\$7,600.00
1668	Perpendicular	NE	\$2,800.00
1666	Blended Transition	SE	\$1,000.00
1669	Blended Transition	SE	\$2,800.00
1667	Blended Transition	SW	\$1,000.00
MORSE PL and PINE			\$2,000.00
1023	Blended Transition	NE	\$1,000.00
1024	Blended Transition	SE	\$1,000.00
MORSE PL and RICHARDSON			\$1,500.00
5072	Perpendicular	NW	\$1,500.00
MURRAY and NORTH ST			\$5,600.00

1414	Perpendicular	SE	\$2,800.00
1415	Blended Transition	SW	\$2,800.00
MURRAY and PERU			\$5,600.00
1392	Perpendicular	NE	\$2,800.00
1391	Perpendicular	NW	\$2,800.00
MYRTLE and PARK			\$5,600.00
1533	Perpendicular	NE	\$2,800.00
1534	Perpendicular	SE	\$2,800.00
MYRTLE and N CHAMPLAIN			\$3,000.00
1536	Blended Transition	NW	\$1,500.00
1535	Blended Transition	SW	\$1,500.00
N CHAMPLAIN and NORTH ST			\$13,400.00
1426	Blended Transition	ESE	\$2,800.00
1425	Perpendicular	NE	\$2,800.00
1430	Blended Transition	NW	\$1,500.00
1427	Perpendicular	SSE	\$2,000.00
1428	Blended Transition	SSW	\$2,800.00
1429	Perpendicular	WSW	\$1,500.00
N CHAMPLAIN and PEARL			\$2,800.00
1342	Perpendicular	ENE	\$0.00
1344	Perpendicular	ESE	\$0.00
1341	Perpendicular	NNE	\$2,800.00
1345	Blended Transition	SSE	\$0.00
N CHAMPLAIN and PERU			\$2,800.00
1374	Perpendicular	NE	\$2,800.00
N CHAMPLAIN and POPLAR			\$4,000.00
1540	Perpendicular	NW	\$2,000.00
1539	Perpendicular	SW	\$2,000.00
N UNION and NORTH ST			\$16,800.00
5433	Perpendicular	ESE	\$2,800.00
5431	Perpendicular	NNE	\$2,800.00
5430	Perpendicular	NNW	\$2,800.00
5434	Perpendicular	SSE	\$2,800.00
5429	Perpendicular	WNW	\$2,800.00
5436	Perpendicular	WSW	\$2,800.00
N UNION and PEARL			\$3,000.00
5335	Perpendicular	NNW	\$1,500.00
5334	Perpendicular	WNW	\$1,500.00
N WILLIAMS and PEARL			\$7,100.00
5400	Perpendicular	ENE	\$2,800.00
5401	Perpendicular	NNE	\$2,800.00
5402	Blended Transition	NW	\$1,500.00
NOTTINGHAM LN and WESTMINSTER DR			\$8,400.00
1804	Perpendicular	NE	\$2,800.00
1803	Perpendicular	SE	\$2,800.00
1805	Perpendicular	SW	\$2,800.00

OAK BEACH DR and AUSTIN DR			\$3,500.00
5037	Blended Transition	NE	\$2,000.00
5036	Blended Transition	NW	\$1,500.00
OAK BEACH DR and SOUTHWIND DR			\$14,000.00
5033	Perpendicular	NNW	\$2,800.00
5031	Perpendicular	NW	\$2,800.00
5032	Perpendicular	SW	\$2,800.00
5035	Perpendicular	SW	\$2,800.00
5034	Perpendicular	WNW	\$2,800.00
OAKCREST DR and TALLWOOD LN			\$5,600.00
1697	Perpendicular	NW	\$2,800.00
1696	Perpendicular	SW	\$2,800.00
OAKLAND TERR and STANIFORD RD			\$4,300.00
1767	Blended Transition	NE	\$1,500.00
1768	Blended Transition	NW	\$2,800.00
OAKLAND TERR and YORK DR			\$2,800.00
1769	Perpendicular	S	\$2,800.00
ORCHARD TERR and PEARL			\$2,500.00
5330	Blended Transition	SE	\$1,000.00
5331	Blended Transition	SW	\$1,500.00
ORCHARD TERR and			\$2,800.00
5325	Perpendicular	NE	\$2,800.00
OVERLAKE PK and			\$2,500.00
5180	Perpendicular	E	\$1,500.00
5181	Perpendicular	W	\$1,000.00
PLEASANT AV and STARR FARM RD			\$0.00
1865	Shoulder	NE	\$0.00
1866	Shoulder	NW	\$0.00
PROSPECT PKWY and SHELBURNE RD			\$4,500.00
1050	Blended Transition	NE	\$1,500.00
1049	Perpendicular	NW	\$1,500.00
1051	Blended Transition	SE	\$1,500.00
RICHARDSON and SCARFF AV			\$2,800.00
5074	Perpendicular	NE	\$2,800.00
RIDGEWOOD DR and RIDGEWOOD DR			\$2,800.00
1815	Perpendicular	NW	\$2,800.00
RIDGEWOOD DR and SHORE RD			\$5,600.00
1813	Perpendicular	SE	\$2,800.00
1814	Perpendicular	SW	\$2,800.00
RIVERMOUNT TERR and VAN PATTEN PKWY			\$5,600.00
1657	Blended Transition	NE	\$2,800.00
1658	Perpendicular	SE	\$2,800.00
ROBINSON PKWY and S PROSPECT			\$7,300.00
5247	Perpendicular	NE	\$2,800.00
5249	Perpendicular	NE	\$1,500.00
5248	Perpendicular	SE	\$1,500.00

5251	Perpendicular	SW	\$1,500.00
ROCKLAND and TEMPLE			\$2,800.00
1665	Perpendicular	SW	\$2,800.00
ROSEADE PKWY and SANDY LN			\$4,300.00
1925	Blended Transition	NE	\$1,500.00
1926	Perpendicular	NW	\$2,800.00
S UNION and SPRUCE			\$5,600.00
5229	Blended Transition	SSW	\$2,800.00
5228	Perpendicular	WSW	\$2,800.00
SANDRA CIR and			\$3,000.00
1998	Blended Transition	SE	\$1,500.00
1997	Perpendicular	SW	\$1,500.00
SCARFF AV and SHELBURNE RD			\$5,600.00
5087	Blended Transition	NW	\$2,800.00
5086	Perpendicular	SW	\$2,800.00
SCARFF AV and WELLS			\$9,900.00
1043	Perpendicular	NE	\$2,800.00
1044	Blended Transition	NW	\$2,800.00
1046	Perpendicular	SE	\$1,500.00
1045	Blended Transition	SW	\$2,800.00
SHORE RD and STIRLING PL			\$5,600.00
1812	Perpendicular	NE	\$2,800.00
1811	Blended Transition	NW	\$2,800.00
SHORE RD and VINE			\$5,600.00
1744	Perpendicular	NE	\$2,800.00
1745	Perpendicular	NW	\$2,800.00
SHORE RD and WILDWOOD DR			\$5,600.00
1736	Perpendicular	SE	\$2,800.00
1737	Perpendicular	SW	\$2,800.00
SIMMS and WING			\$2,800.00
2163	Perpendicular	NE	\$2,800.00
SKY DR and SUNSET DR			\$3,000.00
2187	Perpendicular	NE	\$1,500.00
2186	Perpendicular	SE	\$1,500.00
SPRING and WALNUT			\$1,000.00
1571	General	S	\$1,000.00
ST LOUIS and WILLOW			\$8,400.00
1574	Perpendicular	NW	\$2,800.00
1576	Perpendicular	SE	\$2,800.00
1575	Perpendicular	SW	\$2,800.00
ST MARYS and WILLOW			\$0.00
1577	Blended Transition	NE	\$0.00
STANBURY RD and WOODBURY RD			\$5,600.00
1766	Perpendicular	NE	\$2,800.00
1765	Perpendicular	SE	\$2,800.00
STANBURY RD and WOODLAWN RD			\$5,600.00

1764	Perpendicular	NE	\$2,800.00
1763	Perpendicular	SE	\$2,800.00
STANIFORD RD and WESTERN AV			\$5,600.00
1771	Perpendicular	NE	\$2,800.00
1772	Perpendicular	NW	\$2,800.00
STARR FARM RD and			\$3,000.00
1864	Parallel	NE	\$3,000.00
STARR FARM RD and STARR FARM RD			\$2,000.00
1871	Blended Transition	N & S	\$2,000.00
SUNSET DR and VALADE PK			\$5,600.00
2191	Blended Transition	NE	\$2,800.00
2190	Perpendicular	SE	\$2,800.00
SUNSET DR and VENUS AV			\$5,600.00
2189	Perpendicular	NE	\$2,800.00
2188	Perpendicular	SE	\$2,800.00
TALLWOOD LN and WOODRIDGE DR			\$2,800.00
1695	Perpendicular	NE	\$2,800.00
UNIVERSITY PL and			\$38,700.00
2114	Driveway	E	\$2,800.00
2105	Perpendicular	E	\$2,800.00
2123	Blended Transition	ENE	\$2,800.00
2109	Parallel	NE	\$1,500.00
2118	Perpendicular	NE	\$2,800.00
2122	Perpendicular	NNE	\$1,500.00
2110	Perpendicular	SE	\$2,800.00
2120	Perpendicular	SE	\$2,800.00
2124	Perpendicular	SE	\$2,800.00
2104	Blended Transition	W	\$2,800.00
2106	Blended Transition	W	\$1,500.00
2108	Blended Transition	W	\$1,500.00
2111	Blended Transition	W	\$1,500.00
2115	Blended Transition	W	\$1,500.00
2117	Blended Transition	W	\$1,500.00
2119	Blended Transition	W	\$1,500.00
2121	Blended Transition	W	\$1,500.00
2113	Perpendicular	W	\$2,800.00
VAN PATTEN PKWY and ROCKLAND			\$5,600.00
1663	Perpendicular	NW	\$2,800.00
1664	Perpendicular	SW	\$2,800.00
VAN PATTEN PKWY and VILLAGE GREEN			\$5,600.00
1670	Perpendicular	NE	\$2,800.00
1671	Blended Transition	NW	\$2,800.00
VENUS AV and			\$4,300.00
2185	Perpendicular	E	\$2,800.00
2184	Perpendicular	W	\$1,500.00
VILLAGE GREEN and RIVERMOUNT TERR			\$3,800.00
1656	Driveway	NE	\$2,800.00

1655	Blended Transition	NW	\$1,000.00
WESTERN AV and YORK DR			\$2,800.00
1770	Perpendicular	SE	\$2,800.00
WILDWOOD DR and WILDWOOD DR			\$2,800.00
1750	Perpendicular	NW	\$2,800.00
BAIRD and PINE			\$5,600.00
5023	Perpendicular	NE	\$2,800.00
5022	Perpendicular	SE	\$2,800.00
CARRIGAN DR and CATAMOUNT DR			\$8,100.00
2015	Perpendicular	ESE	\$1,000.00
2016	Perpendicular	NE	\$2,800.00
2014	Blended Transition	SSE	\$1,500.00
2017	Perpendicular	SW	\$2,800.00
COUNTRY CLUB RD and S PROSPECT			\$3,500.00
1093	Perpendicular	NE	\$2,000.00
1094	Blended Transition	SE	\$1,500.00
CUMBERLAND RD and			\$22,400.00
1792	Blended Transition	NW	\$2,800.00
1786	Perpendicular	NW	\$2,800.00
1788	Perpendicular	NW	\$2,800.00
1789	Perpendicular	NW	\$2,800.00
1785	Perpendicular	SW	\$2,800.00
1787	Perpendicular	SW	\$2,800.00
1790	Perpendicular	SW	\$2,800.00
1791	Perpendicular	SW	\$2,800.00
CUMBERLAND RD and EDINBOROUGH DR			\$8,400.00
1782	Perpendicular	NW	\$2,800.00
1784	Perpendicular	SE	\$2,800.00
1783	Perpendicular	SW	\$2,800.00
HILLSIDE TERR and RIVERSIDE AV			\$16,800.00
2030	Perpendicular	NE	\$2,800.00
2031	Perpendicular	NW	\$2,800.00
2041	Blended Transition	SE	\$2,800.00
2029	Perpendicular	SE	\$2,800.00
2042	Blended Transition	SW	\$2,800.00
2032	Perpendicular	SW	\$2,800.00
HILLSIDE TERR and VERMONT PK			\$5,600.00
2039	Perpendicular	NE	\$2,800.00
2040	Perpendicular	SE	\$2,800.00
MUIRFIELD RD and NOTTINGHAM LN			\$8,400.00
1807	Perpendicular	NE	\$2,800.00
1806	Perpendicular	NW	\$2,800.00
1808	Perpendicular	SE	\$2,800.00
ENT/EXT INTERSTATE and SHELBURNE RD			\$11,600.00
1025	Parallel	NE	\$3,000.00
1041	Parallel	NE	\$1,500.00
1027	Perpendicular	NE	\$2,800.00

1026	Parallel	SE	\$1,500.00
1042	Perpendicular	SW	\$2,800.00
ROUTE 189 N and SHELBURNE RD			\$8,600.00
1030	Island-Perpendicular	NE	\$2,800.00
1031	Perpendicular	NE	\$2,800.00
1029	Island-Cut Through	SE	\$1,500.00
1028	Perpendicular	SE	\$1,500.00
Total Cost for Curb Ramps			\$4,440,548.00



CITY OF BURLINGTON

Appendix E

Pedestrian Push Buttons Budget Allocation



Planned Repair Date: FY 17		\$87,400.00
Repair Project: 5 Year Paving Plan		\$53,000.00
BATTERY and KING		\$5,000.00
1022	NE	\$2,500.00
1021	SE	\$2,500.00
ENT/EXT RAMP TOWN and NORTH AV		\$7,500.00
1127	NE	\$2,500.00
1126	SE	\$2,500.00
1125	SW	\$2,500.00
NORTH AV and		\$3,000.00
1133	NE	\$1,800.00
1132	NW	\$1,200.00
NORTH AV and NORTH ST		\$10,000.00
1108	NE	\$2,500.00
1109	NW	\$2,500.00
1107	SE	\$2,500.00
1106	SW	\$2,500.00
NORTH AV and TRACY DR		\$2,500.00
1175	W	\$2,500.00
NORTH AV and WOODBURY RD		\$5,000.00
1137	NE	\$2,500.00
1136	NW	\$2,500.00
ETHAN ALLEN PKWY and NORTH AV		\$10,000.00
1130	ENE	\$2,500.00
1129	NNE	\$2,500.00
1128	NW	\$2,500.00
1131	SE	\$2,500.00
HEINEBERG RD and NORTH AV		\$5,000.00
1135	NE	\$2,500.00
1134	NW	\$2,500.00
INSTITUTE RD and NORTH AV		\$5,000.00
1123	SE	\$2,500.00
1124	SW	\$2,500.00
Repair Project: General Funds		\$34,400.00
COLCHESTER AV and N PROSPECT		\$2,500.00
5024	NE	\$2,500.00
MAIN and S WINOOSKI AV		\$2,500.00
1026	SE	\$2,500.00
N WILLARD and PEARL		\$6,900.00
5028	NE	\$2,500.00
5027	NW	\$1,900.00
5026	SW	\$2,500.00
N WINOOSKI AV and NORTH ST		\$2,500.00
1118	SSW	\$2,500.00
SHELBURNE RD and Gateway Shopping Center		\$2,500.00
1008	SW	\$2,500.00

BATTERY and PARK		\$2,500.00
1086	SE	\$2,500.00
PARK and SHERMAN		\$5,000.00
1093	NE	\$2,500.00
1092	SW	\$2,500.00
PEARL and PINE		\$5,000.00
1080	NE	\$2,500.00
1081	NW	\$2,500.00
ARCHIBALD and N WINOOSKI AV		\$2,500.00
5058	ESE	\$2,500.00
N CHAMPLAIN and NORTH ST		\$2,500.00
1105	NNW	\$2,500.00

Planned Repair Date: FY 18		\$85,200.00
Repair Project: 5 Year Paving Plan		\$17,200.00
BATTERY and CHERRY		\$10,000.00
1088	NE	\$2,500.00
1091	NW	\$2,500.00
1089	SE	\$2,500.00
1090	SW	\$2,500.00
CHERRY and S WINOOSKI AV		\$7,200.00
1064	NE	\$1,800.00
1063	NW	\$1,800.00
1065	SE	\$1,800.00
1062	SW	\$1,800.00
Repair Project: CIP: Colchester Ave from East to Prospect, S side		\$7,500.00
COLCHESTER AV and		\$2,500.00
1157	SW	\$2,500.00
COLCHESTER AV and MANSFIELD AV		\$5,000.00
1158	SE	\$2,500.00
1161	SW	\$2,500.00
Repair Project: CIP: Main St from Church St to Pine St		\$23,600.00
MAIN and ST PAUL		\$5,600.00
1041	ENE	\$600.00
1034	ESE	\$600.00
1040	NNE	\$600.00
1039	NNW	\$600.00
1035	SSE	\$600.00
1036	SSW	\$2,000.00
1038	WNW	\$600.00
1037	WSW	\$0.00
MAIN and PINE		\$10,000.00
1042	NE	\$2,500.00
1045	NW	\$2,500.00
1043	SE	\$2,500.00
1044	SW	\$2,500.00
CHURCH and MAIN		\$8,000.00
1027	ESE	\$1,900.00
1032	NE	\$750.00
1031	NW	\$600.00
1028	SSE	\$2,150.00
1030	SSW	\$2,000.00
1029	WSW	\$600.00
Repair Project: General Funds		\$36,900.00
COLCHESTER AV and EAST AV		\$2,500.00
1152	ESE	\$2,500.00
MAIN and S WINOOSKI AV		\$5,000.00
1025	NE	\$2,500.00
1023	SW	\$2,500.00

N WILLARD and PEARL		\$2,500.00
5029	SE	\$2,500.00
N WINOOSKI AV and NORTH ST		\$7,500.00
1116	ESE	\$2,500.00
1115	NE	\$2,500.00
1117	SSE	\$2,500.00
N WINOOSKI AV and PEARL		\$2,500.00
1070	NE	\$2,500.00
BATTERY and KING		\$2,500.00
1020	SW	\$2,500.00
PEARL and PINE		\$2,500.00
1079	SE	\$2,500.00
ARCHIBALD and N WINOOSKI AV		\$1,900.00
5059	SSE	\$1,900.00
COLLEGE and S WINOOSKI AV		\$2,500.00
1054	SW	\$2,500.00
HOME AV and SHELBURNE RD		\$2,500.00
1007	SW	\$2,500.00
N UNION and PEARL		\$5,000.00
5010	NE	\$2,500.00
5007	NW	\$2,500.00

Planned Repair Date: FY 19	\$36,200.00
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Repair Project: CIP: Pine Street from Lakeside Ave to Main St	\$24,400.00
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PINE and		\$4,400.00
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1121	E	\$2,500.00
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1122	W	\$1,900.00
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HOWARD and PINE		\$5,000.00
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1017	SE	\$2,500.00
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1018	SW	\$2,500.00
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KILBURN and PINE		\$5,000.00
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5005	SE	\$2,500.00
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5006	SW	\$2,500.00
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LOCUST and PINE		\$5,000.00
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5000	NE	\$2,500.00
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5001	NW	\$2,500.00
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MARBLE AV and PINE		\$5,000.00
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5003	SE	\$2,500.00
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5004	SW	\$2,500.00
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Repair Project: General Funds	\$11,800.00
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N WINOOSKI AV and NORTH ST		\$2,500.00
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1119	WSW	\$2,500.00
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BATTERY and COLLEGE		\$2,500.00
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1050	SW	\$2,500.00
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BATTERY and KING		\$2,500.00
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1019	NW	\$2,500.00
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NORTH ST and PARK		\$1,800.00
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1112	ESE	\$1,800.00
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ARCHIBALD and N WINOOSKI AV		\$2,500.00
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5061	WSW	\$2,500.00
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Planned Repair Date: FY 20	\$34,400.00
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Repair Project: General Funds	\$34,400.00
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MAIN and		\$2,500.00
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5039	N	\$2,500.00
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N WILLARD and RIVERSIDE AV		\$2,500.00
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5044	SW	\$2,500.00
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N WINOOSKI AV and NORTH ST		\$2,500.00
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1120	NW	\$2,500.00
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BATTERY and COLLEGE		\$2,500.00
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1053	SE	\$2,500.00
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PEARL and PINE		\$2,500.00
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1078	SW	\$2,500.00
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ARCHIBALD and N WINOOSKI AV		\$4,400.00
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5056	NNE	\$2,500.00
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5060	SSW	\$1,900.00
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COLLEGE and S WINOOSKI AV		\$2,500.00
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1057	SE	\$2,500.00
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ELMWOOD AV and INTERVALE AV		\$2,500.00
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1099	SSW	\$2,500.00
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FLYNN AV and PINE		\$2,500.00
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1002	ESE	\$2,500.00
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HOME AV and SHELBURNE RD		\$2,500.00
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1005	NW	\$2,500.00
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N CHAMPLAIN and NORTH ST		\$2,500.00
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1102	SE	\$2,500.00
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N UNION and PEARL		\$5,000.00
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5009	SE	\$2,500.00
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5008	SW	\$2,500.00
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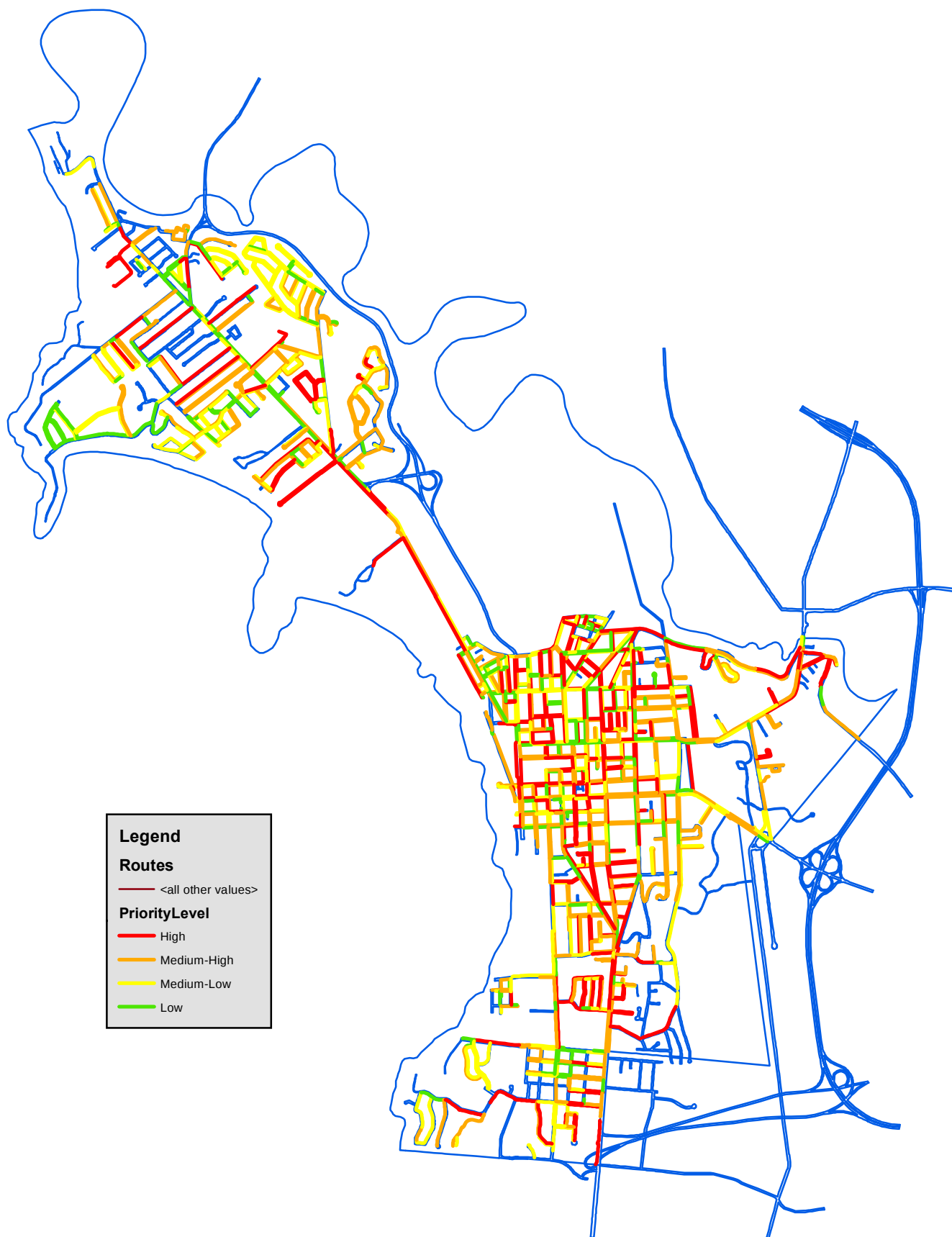
Planned Repair Date: FY 21		\$56,850.00
Repair Project: General Funds		\$56,850.00
COLCHESTER AV and EAST AV		\$2,500.00
1153	NE	\$2,500.00
MAIN and		\$2,500.00
5038	S	\$2,500.00
MAIN and S WINOOSKI AV		\$2,500.00
1024	NW	\$2,500.00
MAIN and S UNION		\$5,000.00
5041	NE	\$2,500.00
5043	SW	\$2,500.00
RIVERSIDE AV and		\$1,800.00
1147	SE	\$1,800.00
SHELBURNE RD and Gateway Shopping Center		\$2,500.00
1004	SE	\$2,500.00
BATTERY and MAIN		\$2,500.00
1047	NE	\$2,500.00
BATTERY and PARK		\$7,500.00
1085	NE	\$2,500.00
1084	NW	\$2,500.00
1087	SW	\$2,500.00
BATTERY and COLLEGE		\$850.00
1052	NE	\$850.00
PEARL and ST PAUL		\$5,000.00
1074	NE	\$2,500.00
1077	NW	\$2,500.00
ARCHIBALD and N WINOOSKI AV		\$1,900.00
5057	ENE	\$1,900.00
BANK and S WINOOSKI AV		\$5,400.00
1061	NE	\$1,800.00
1058	SE	\$1,800.00
1059	SW	\$1,800.00
ELMWOOD AV and INTERVALE AV		\$7,500.00
1095	ESE	\$2,500.00
1096	NE	\$2,500.00
1098	WSW	\$2,500.00
FLYNN AV and PINE		\$4,400.00
1001	SSE	\$2,500.00
1000	SW	\$1,900.00
N CHAMPLAIN and NORTH ST		\$2,500.00
1103	SW	\$2,500.00
PROSPECT PKWY and SHELBURNE RD		\$2,500.00
1009	NW	\$2,500.00

Planned Repair Date: TBD		\$180,280.00
Repair Project: TBD		\$180,280.00
COLCHESTER AV and		\$6,900.00
1156	ESE	\$1,900.00
1154	NE	\$2,500.00
1155	SSE	\$2,500.00
COLCHESTER AV and EAST AV		\$5,000.00
1151	SSE	\$2,500.00
1150	SW	\$2,500.00
COLCHESTER AV and MANSFIELD AV		\$5,000.00
1159	NE	\$2,500.00
1160	NW	\$2,500.00
COLCHESTER AV and N PROSPECT		\$2,500.00
5025	SE	\$2,500.00
MAIN and S WILLARD		\$7,820.00
5033	ENE	\$850.00
5034	ESE	\$850.00
5032	NNE	\$850.00
5031	NNW	\$1,200.00
5035	SSE	\$850.00
5036	SSW	\$1,010.00
5030	WNW	\$1,200.00
5037	WSW	\$1,010.00
MAIN and S PROSPECT		\$6,600.00
5016	NE	\$600.00
5015	NNW	\$1,200.00
5011	SE	\$600.00
5012	SSW	\$1,800.00
5014	WNW	\$600.00
5013	WSW	\$1,800.00
MAIN and S UNION		\$5,000.00
5040	NW	\$2,500.00
5042	SE	\$2,500.00
MAIN and UNIVERSITY HTS		\$5,110.00
1173	E	\$1,010.00
1172	ESE	\$850.00
1174	NE	\$600.00
1168	NW	\$600.00
1171	SSE	\$850.00
1170	SSW	\$600.00
1169	WSW	\$600.00
MAIN and UNIVERSITY PL		\$1,200.00
1162	NE	\$600.00
1163	SE	\$600.00
MAIN and UNIVERSITY TERR		\$5,200.00
1165	ESE	\$2,000.00
1164	NE	\$600.00

1166	SSE	\$600.00
1167	SW	\$2,000.00
N WILLARD and RIVERSIDE AV		\$1,800.00
5045	NW	\$1,800.00
N WINOOSKI AV and RIVERSIDE AV		\$8,600.00
5046	NW	\$1,800.00
5049	SE	\$1,800.00
5048	SSW	\$2,500.00
5047	WSW	\$2,500.00
N WINOOSKI AV and PEARL		\$5,440.00
1069	ESE	\$2,150.00
1071	NW	\$1,010.00
1068	SSE	\$760.00
1066	SSW	\$760.00
1067	WSW	\$760.00
RIVERSIDE AV and		\$4,800.00
1148	NE	\$1,200.00
1149	NW	\$1,800.00
1146	SW	\$1,800.00
BATTERY and MAIN		\$2,910.00
1048	NW	\$1,900.00
1046	SE	\$1,010.00
1049	SW	\$0.00
BATTERY and COLLEGE		\$2,500.00
1051	NW	\$2,500.00
EAST AV and MAIN		\$11,750.00
1180	ENE-	\$850.00
1183	ESE	\$850.00
1190	NE	\$2,500.00
1179	NNE-	\$850.00
1189	NNW	\$600.00
1181	NW	\$600.00
1185	SE	\$600.00
1182	SSE	\$850.00
1186	SSW	\$600.00
1184	SW	\$600.00
1188	WNW	\$2,000.00
1187	WSW	\$850.00
NORTH ST and PARK		\$6,600.00
1114	NE	\$1,200.00
1110	NW	\$1,800.00
1113	SSE	\$1,800.00
1111	SW	\$1,800.00
PEARL and ST PAUL		\$5,000.00
1075	SE	\$2,500.00
1076	SW	\$2,500.00
PEARL and N PROSPECT		\$4,400.00

5023	NW	\$1,900.00
5022	SW	\$2,500.00
PLATTSBURG AV and RIVER'S EDGE DR		\$5,000.00
1176	SE	\$2,500.00
1177	SW	\$2,500.00
ARCHIBALD and N WINOOSKI AV		\$5,000.00
5055	NNW	\$2,500.00
5054	WNW	\$2,500.00
BANK and S WINOOSKI AV		\$1,200.00
1060	NW	\$1,200.00
CHURCH and PEARL		\$3,050.00
1072	N	\$1,800.00
1073	S	\$1,250.00
COLLEGE and S WINOOSKI AV		\$5,000.00
1056	NE	\$2,500.00
1055	NW	\$2,500.00
COLLEGE and S PROSPECT		\$10,500.00
5017	NE	\$1,900.00
5021	NNW	\$1,800.00
5018	SE	\$2,500.00
5019	SW	\$2,500.00
5020	WNW	\$1,800.00
ELMWOOD AV and INTERVALE AV		\$4,400.00
1097	NW	\$2,500.00
1094	SSE	\$1,900.00
FLYNN AV and SHELBURNE RD		\$6,250.00
1016	NE	\$850.00
1014	NNW	\$600.00
1015	SE	\$2,500.00
1011	SSW	\$850.00
1013	WNW	\$600.00
1012	WSW	\$850.00
FLYNN AV and PINE		\$2,500.00
1003	NW	\$2,500.00
INTERVALE RD and N PROSPECT		\$8,000.00
5052	ENE	\$2,500.00
5051	NNE	\$1,900.00
5050	NW	\$1,800.00
5053	SE	\$1,800.00
N CHAMPLAIN and NORTH ST		\$6,900.00
1101	ENE	\$2,500.00
1100	NNE	\$2,500.00
1104	WNW	\$1,900.00
N CHAMPLAIN and PEARL		\$1,450.00
1082	NE	\$600.00
1083	SE	\$850.00
PROSPECT PKWY and SHELBURNE RD		\$2,500.00

1010	NE	\$2,500.00
CARRIGAN DR and CATAMOUNT DR		\$7,200.00
1139	ESE	\$1,800.00
1140	NE	\$1,800.00
1138	SSE	\$1,800.00
1141	SW	\$1,800.00
HILLSIDE TERR and RIVERSIDE AV		\$7,200.00
1143	NE	\$1,800.00
1144	NW	\$1,800.00
1142	SE	\$1,800.00
1145	SW	\$1,800.00
Total Cost for Pedestrian Push Buttons		\$480,330.00



Name	Phone Number	Email Address	Physical Address

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Comment





SurveyStr	StartStr	EndStr	Priority	PriorityLevel
Sherman	Park	N Champlain	116.5	High
Sherman	N Champlain	Park	115.875	High
St Paul	Howard	Spruce	115.75	High
Ethan Allen Pkwy	North Av	Across 16 Ethan Allen Pkwy	115.75	High
Center	Bank	College	115.25	High
S Winooski Av	Main	King	114	High
King	S Winooski Av	Church	113.75	High
Pearl	N Champlain	Battery	113.5	High
S Winooski Av	College	Main	111.75	High
Pine	Cherry	Pearl	111	High
Pine	Birchcliff Pkwy	Across Lakeside Av	110.5	High
Colchester Av	Thibault Pkwy	Calarco Ct	110.25	High
S Winooski Av	King	Main	110	High
Germain	Archibald	Pomeroy	109.5	High
Spruce Ct	Spruce Ct End	Spruce	109.25	High
St Paul	Shelburne Rd	Howard	109.25	High
Converse Ct	Hickok Pl	Converse Ct End	109.25	High
Hyde	Archibald	North St	108.875	High
Elm Terr	Elm Terr End	25 Elm Terr	108.25	High
Colchester Av	Barrett	Across Chase	108.25	High
Marble Av	Hayward	St Paul	107.25	High
Hyde	Riverside Av	N Willard	107	High
Church	Adams	Maple	106.5	High
Manhattan Dr	Oak	Walnut	106.5	High
Poplar	20 Poplar	Park	106.5	High
Crombie	Intervale Av	N Winooski Av	106.5	High
Germain	Pomeroy	Archibald	106.5	High
Booth	Loomis	North St	105.5	High
Peru	Murray	N Champlain	105.375	High
S Union	Cliff	Spruce	105	High
Manhattan Dr	Manhattan Dr	Rose	104.5	High
Shelburne Rd	Shelburne Road Shopping Plaza	ROUTE 189 S	104.25	High
Prospect Pkwy	S Prospect	Crescent Rd	104.25	High

Grove	Chase	63 Grove	104.25 High
Peru	Elmwood Av	Murray	104.125 High
Riverside Av	Hyde	Intervale Av	103.875 High
Billings Ct	Billings Ct End	Van Patten Pkwy	103.875 High
S Winooski Av	Maple	Adams	103.5 High
S Winooski Av	Spruce	St Paul	103.5 High
Battery	College	Main	103.5 High
Spruce	St Paul	S Winooski Av	103.25 High
Roseade Pkwy	Sandy Ln	Lopes Av	103.125 High
Chase	Barrett	Colchester Av	102.75 High
North Av	819 North Av	209 North Av	102.25 High
Center	College	Bank	102 High
Pitkin	North St	Manhattan Dr	102 High
Chase	Rumsey Ln	Grove	102 High
Prospect Pkwy	Crescent Rd	Shelburne Rd	101.75 High
St Paul	Spruce	Adams	101.5 High
Park	Manhattan Dr	North St	101.5 High
N Winooski Av	N Union	Archibald	101.5 High
Ferguson Av	Wells	Richardson	101 High
Flynn Av	Across 207 Flynn Av	Across Oak Beach Dr	101 High
Peru	George	Elmwood Av	101 High
N Willard	Pomeroy	Archibald	100.875 High
Lake	125 Battery	College	100.75 High
Lopes Av	Roseade Pkwy	Blondin Cir	100.75 High
North Av	Institute Rd	Across 422 North Av	100.25 High
Tracy Dr	North Av	Grey Meadow Dr	100.25 High
Cherry	S Winooski Av	Church	100.125 High
Shelburne Rd	Prospect Pkwy	Clymer	100 High
Marble Av	St Paul	Pine	99.75 High
College	Pine	Battery	99.75 High
Pine	Main	King	99.75 High
Elm Terr	31 Elm Terr	S Winooski Av	99.75 High
Church	Maple	King	99.75 High
S Willard	College	Pearl	99.75 High

Adsit Ct	N Willard	Adsit Ct End	99.75 High
Rose	Manhattan Dr	Cedar	99.625 High
Shelburne Rd	Gove Ct	Birchcliff Pkwy	99.5 High
Chase	Grove	Chase End	99.5 High
Nash Pl	Nash Pl End	Colchester Av	99.5 High
Sandy Ln	Ethan Allen Pkwy	Roseade Pkwy	99.5 High
Birchcliff Pkwy	Pine	Shelburne Rd	99.25 High
Cherry	Across Pine St	Church	99.125 High
N Winooski Av	Decatur	Crombie	99.125 High
S Willard	Howard	Beech	98.75 High
George	Peru	Monroe	98.75 High
Hillside Terr	Riverside Av	Riverside Av	98.75 High
Grove	63 Grove	Chase	98.75 High
N Union	North St	N Winooski Av	98.375 High
ELMWOOD AV	North St	Spring	98.375 High
Clymer	Shelburne Rd	Clymer End	98 High
Harrington Terr	Maple	Jackson Ct	98 High
George	Pearl	Peru	98 High
Peru	N Champlain	Johnson	98 High
Peru	Johnson	George	98 High
S Champlain	Main	College	97.75 High
Park	Pearl	College	97.75 High
S Winooski Av	College	Buell	97.5 High
S Union	Spruce	Across Bayview	97.5 High
N Willard	Loomis	Pearl	97.5 High
S Winooski Av	St Paul	Spruce	97.375 High
Johnson	Peru	Monroe	97.375 High
King	St Paul	Pine	97.25 High
Luck	St Marys	Intervale Av	97.125 High
S Meadow Dr	S Meadow Dr End	S Meadow Dr	97 High
Sandy Ln	Lopes Av	Ethan Allen Pkwy	97 High
Perrotta Pl	Alfred	Hoover	96.75 High
Kingsland Terr	Kingsland Terr End	S Union	96.75 High
Isham	Loomis	Hickok Pl	96.75 High

Nash Pl	Colchester Av	Nash Pl End	96.5 High
Pine	Pearl	Cherry	96.375 High
College	Church	S Winooski Av	96.125 High
College	S Winooski Av	S Union	96 High
St Louis	Willow	Archibald	96 High
Oak	Manhattan Dr	Walnut	95.875 High
Spruce Ct	Spruce	Spruce Ct End	95.75 High
S Union	Pearl	Buell	95.75 High
Oakcrest Dr	Tallwood Ln	Beachcrest Dr	95.75 High
Greene	Loomis	Hickok Pl	95.625 High
N Willard	North St	Loomis	95.625 High
S Willard	Ledge Rd	600 S Willard	95.5 High
College	St Paul	Pine	95.25 High
Elm Terr	S Winooski Av	Elm Terr End	95.25 High
Gosse Ct	Gosse Ct End	North Av	95.25 High
Luck	St Marys	St Louis	95.125 High
Roseade Pkwy	Lopes Av	Sandy Ln	95.125 High
S Willard	Beech	Shelburne Rd	95 High
Battery	College	Cherry	94.75 High
Park	Poplar	Manhattan Dr	94.625 High
Church	College	Main	94.5 High
S Williams	College	Main	94.5 High
Main	S Champlain	Pine	94.25 High
Jackson Ct	200 Jackson Ct	S Willard	94.25 High
Austin Dr	91 Austin Dr	Industrial Pkwy	94.125 High
Murray	Peru	Allen	94.125 High
Crombie	N Winooski Av	Intervale Av	94.125 High
Bright	Archibald	Riverside Av	94.125 High
Pleasant Av	145 Pleasant Av	Starr Farm Rd	94.125 High
Starr Farm Rd	Pleasant Av	Grey Meadow Dr	94 High
N Union	Hickok Pl	Loomis	93.875 High
Perrotta Pl	Hoover	Alfred	93.75 High
Bradley	Hungerford Terr	S Union	93.75 High
College	Church	St Paul	93.625 High

Summer	Park	Front	93.625 High
Pine	Main	College	93.5 High
Pine	College	Bank	93.5 High
S Willard	Across Tower Terr	Maple	93.5 High
Clarke	Pearl	Grant	93.375 High
Walnut	Oak	Archibald	93.375 High
Spring	Elmwood Av	Intervale Av	93.375 High
Decatur	N Winooski Av	Intervale Av	93.375 High
Grove	63 Grove	Schmanska Park	93.25 High
Chase	Chase Ln	Rumsey Ln	93.125 High
Home Av	Raymond Pl	Shelburne Rd	93 High
School	North St	Loomis	93 High
Woodbury Rd	North Av	Stanbury Rd	93 High
North Av	726 North Av	Route 127	92.875 High
Marian	Shelburne Rd	Ledgemere	92.75 High
Main	S Champlain	Battery	92.75 High
Ledge Rd	Edgewood Ln	Iranistan Rd	92.25 High
Spruce	S Union	S Willard	92.25 High
St Paul	230 St Paul	Maple	92.25 High
Church	King	Main	92.25 High
Poplar	Park	N Champlain	92.25 High
St Louis	Manhattan Dr	Oak	92.125 High
Cedar	Elmwood Av	Lafountain	92.125 High
Rose	Cedar	Manhattan Dr	92.125 High
Blodgett	North St	Strong	92.125 High
Alfred	Shelburne Rd	Perrotta Pl	92 High
Northgate Rd	North Av	Northgate Rd End	92 High
Monroe	N Champlain	George	91.875 High
Summer	Front	Park	91.875 High
ELMWOOD AV	Peru	Pearl	91.875 High
Lopes Av	Sandy Ln	Roseade Pkwy	91.875 High
Home Av	Industrial Pkwy	S Crest Dr	91.75 High
Adams	Church	St Paul	91.75 High
North St	N Willard	N Prospect	91.75 High

Oakcrest Dr	Beachcrest Dr	Tallwood Ln	91.75 High
N Willard	Henry	North St	91.625 High
Pearl	George	N Champlain	91.5 High
Sherman	Sherman St End	Park	91.5 High
Decatur	Intervale Av	N Winooski Av	91.375 High
Main	S Winooski Av	S Union	91.25 High
North St	N Winooski Av	Elmwood Av	91.125 High
Staniford Rd	North Av	Oakland Terr	91.125 High
S Willard	Pearl	Buell	90.875 High
S Union	Buell	Pearl	90.75 High
Mansfield Av	Across Loomis	North St	90.75 High
Brook Dr	Van Patten Pkwy	56 Brook Dr	90.75 High
N Union	N Winooski Av	North St	90.625 High
Caroline	Margaret	Catherine	90.5 High
Maple	Battery	Lavalley Ln	90.5 High
Church	Cherry	Bank	90.375 High
Bittersweet Ln	Cherry Ln	Birchcliff Pkwy	90.25 High
Alfred	Perrotta Pl	Shelburne Rd	90.25 High
Church	Main	King	90.25 High
Colchester Av	Calarco Ct	Chase	90.25 High
Institute Rd	Institute Rd End	North Av	90.25 High
Bittersweet Ln	Birchcliff Pkwy	Cherry Ln	90.125 High
Greene	Hickok Pl	Loomis	90.125 High
N Union	North St	Grant	90.125 High
Pomeroy	Hyde	N Willard	90.125 High
Pomeroy	N Willard	Hyde	90.125 High
Clymer	Clymer End	Shelburne Rd	90 High
Charlotte	Catherine	Locust	90 High
Lakewood Pkwy	North Av	Beachcrest Dr	90 High
Bayview	S Willard	S Union	89.75 High
Howard	St Paul	S Union	89.75 High
Locust	Across Caroline	Shelburne Rd	89.75 High
Maple	St Paul	Church	89.75 High
Hickok Pl	Converse Ct	N Union	89.625 High

University Pl	Main	Colchester Av	89.5 High
Riverside Av	Colchester Av	220 Riverside Av	89.5 High
Killarney Dr	North Av	Killarney Dr End	89.5 High
Pine	Howard	Marble Av	89.375 High
Grant	N Union	N Winooski Av	89.375 High
Lakeview Terr	33 Lakeview Terr	9 Lakeview Terr	89.375 High
Birch Ct	Birch Ct End	North Av	89.375 High
College	S Champlain	Pine	89.25 High
Spruce	S Willard	S Union	89.25 High
S Winooski Av	Elm Terr	Spruce	89.25 High
S Union	Howard	Bayview	89.125 High
Buell	Orchard Terr	S Winooski Av	89.125 High
S Union	Buell	College	89.125 High
Intervale Av	Archibald	Riverside Av	89.125 High
N Champlain	North St	Cedar	89.125 High
Spring	Intervale Av	Walnut	89.125 High
Conger Av	Harrison Av	Across Wright Av	89 High
North Av	Fairfield Dr	Northgate Rd	89 High
S Willard	Main	College	88.75 High
S Union	Maple	Main	88.625 High
N Williams	Brookes Av	Pearl	88.5 High
Willow	St Louis	Intervale Av	88.5 High
ELMWOOD AV	Spring	Cedar	88.5 High
Walnut	Archibald	Willow	88.375 High
N Champlain	North St	Sherman	88.375 High
Lafountain	Manhattan Dr	Cedar	88.375 High
Archibald	Hyde	N Winooski Av	88.375 High
N Willard	North St	Pomeroy	88.25 High
Battery	King	Maple	88.125 High
N Union	Grant	Pearl	88.125 High
Scarff Av	Wells	Shelburne Rd	88 High
Bank	Church	Across St Paul	88 High
Adsit Ct	Adsit Ct End	N Willard	88 High
Main	S Winooski Av	Church	87.75 High

N Champlain	Pearl	Monroe	87.75 High
Murray	North St	Peru	87.75 High
North St	School	Booth	87.625 High
Raymond Pl	S Meadow Dr	Baird	87.5 High
Converse Ct	Converse Ct End	Hickok Pl	87.375 High
Turf Rd	Clover Ln	Plattsburg Av	87.375 High
Pine	Flynn Av	Birchcliff Pkwy	87.25 High
Adams Ct	Shelburne Rd	35 Adams Ct	87.25 High
College	S Willard	S Williams	87.25 High
Summit	Maple	Main	87.25 High
Northgate Rd	Northgate Rd End	Roundabout on Northgate Rd	87.25 High
S Meadow Dr	S Meadow Dr	Baird	87.125 High
Sunset Dr	Plattsburg Av	Meridian	87.125 High
Buell	Hungerford Terr	S Union	87 High
Northgate Rd	Roundabout on Northgate Rd	Northgate Rd End	87 High
Scarff Av	Richardson	Wells	86.75 High
Beech	S Willard	S Union	86.75 High
Bank	St Paul	Church	86.625 High
Pearl	N Willard	Greene	86.5 High
Mansfield Av	Loomis	Colchester Av	86.5 High
Hungerford Terr	Buell	Pearl	86.375 High
Mansfield Av	Colchester Av	Across Loomis	86.375 High
Shelburne Rd	Adams Ct	Ledge Rd	86.25 High
Church	King	Maple	86.25 High
Church	Maple	Adams	86.25 High
Case Pkwy	East Av	East Av	86.25 High
Oakland Terr	Staniford Rd	York Dr	86.125 High
Caroline	Catherine	Locust	86 High
Wilson	Mansfield Av	N Prospect	86 High
St Marys	Oak	Luck	85.875 High
Walnut	Oak	Manhattan Dr	85.875 High
George	Monroe	Pearl	85.875 High
Intervale Av	Archibald	Spring	85.875 High
Pitkin	Strong	North St	85.875 Medium-High

Plattsburg Av	Turf Rd	Barley Rd	85.875 High
Austin Dr	Dunder Rd	Austin Dr (208)	85.75 High
Linden Terr	Cherry Ln	Birchcliff Pkwy	85.75 High
North St	N Prospect	High Grove Ct	85.75 High
North St	High Grove Ct	N Willard	85.75 High
College	Center	Church	85.5 High
Killarney Dr	Killarney Dr End	North Av	85.5 High
Home Av	Wells	Richardson	85.25 High
Bradley	S Union	Hungerford Terr	85.25 High
N Winooski Av	North St	Grant	85.25 High
Riverside Av	Intervale Rd	N Winooski Av	85.25 High
North Av	Killarney Dr	819 North Av	85.25 High
Alder Ln	Birchcliff Pkwy	Cherry Ln	85.125 High
S Winooski Av	Spruce	Adams	85.125 High
Hickok Pl	N Union	Greene	85.125 High
Loomis	School	N Union	85.125 High
S Crest Dr	Pine	Home Av	85 High
Ferguson Av	Wells	Shelburne Rd	85 High
North Av	Across 422 North Av	Berry	85 High
Scarff Av	Shelburne Rd	Wells	84.75 High
N Prospect	Colonial Sq	North St	84.625 High
Shore Rd	North Av	Dodds Ct	84.625 High
Riverside Av	N Prospect	Hillside Terr	84.5 High
North Av	Lakewood Pkwy	Killarney Dr	84.5 High
Barrett	Chase	Colchester Av	84.5 High
Cherry Ln	Linden Terr	Birchcliff Pkwy	84.25 High
Cliff	S Willard	S Union	84.25 High
Lakeview Terr	145 Lakeview Terr	33 Lakeview Terr	84.125 High
Sandy Ln	Roseade Pkwy	Lopes Av	84 High
Pine	Home Av	Morse Pl	83.75 Medium-High
Battery	Maple	King	83.75 Medium-High
Barrett	Riverside Av	Colchester Av	83.75 Medium-High
Dodds Ct	North Av	Shore Rd	83.75 Medium-High
Starr Farm Rd	Curtis Av	Pleasant Av	83.5 Medium-High

Buell	Hungerford Terr	S Willard	83.25	Medium-High
Main	St Paul	Pine	83.25	Medium-High
Main	S Willard	S Union	83.25	Medium-High
Colchester Av	East Av	Fletcher Pl	83.25	Medium-High
S Willard	Maple	Jackson Ct	83.125	Medium-High
Cayuga Ct	North Av	Dorset Ln	83.125	Medium-High
Colchester Av	Chase	Barrett	83.125	Medium-High
Gosse Ct	North Av	Marshall Dr	83.125	Medium-High
Heineberg Rd	Marshall Dr	North Av	83.125	Medium-High
Henry	N Prospect	N Willard	83	Medium-High
Shelburne Rd	Flynn Av	Ferguson Av	82.875	Medium-High
Church	Pearl	Cherry	82.875	Medium-High
Riverside Av	Bright	N Winooski Av	82.875	Medium-High
N Winooski Av	Archibald	Decatur	82.875	Medium-High
Spring	Walnut	Archibald	82.875	Medium-High
North Av	Berry	Canfield	82.625	Medium-High
St Paul	Bank	College	82.5	Medium-High
S Winooski Av	Maple	King	82.5	Medium-High
Buell	S Winooski Av	Orchard Terr	82.5	Medium-High
Cherry	Battery	Across Pine	82.5	Medium-High
Archibald	N Willard	Germain	82.5	Medium-High
Main	University Hts	East Av	82.5	Medium-High
East Av	Case Pkwy	University Rd	82.5	Medium-High
Grey Meadow Dr	Grey Meadow Dr End	58 Grey Meadow Dr	82.5	Medium-High
Harrison Av	Central Av	Harrison Av End	82.375	Medium-High
Howard	S Willard	S Union	82.25	Medium-High
Spruce	S Winooski Av	S Union	82.25	Medium-High
Cliff	S Union	S Willard	82.25	Medium-High
Brookes Av	N Williams	N Prospect	82.25	Medium-High
Linden Terr	Birchcliff Pkwy	Cherry Ln	82.125	Medium-High
Manhattan Dr	Volz	Ward	82.125	Medium-High
Randy Ln	Charity	Gazo Av	82	Medium-High
Adams Ct	29 Adams Ct	Shelburne Rd	81.75	Medium-High
Gove Ct	Shelburne Rd	Gove Ct End	81.75	Medium-High

College	S Williams	S Willard	81.75	Medium-High
N Prospect	Prospect Hill	Riverside Av	81.75	Medium-High
Lakeview Terr	Canfield	Lakeview Terr	81.75	Medium-High
Crowley	Crowley St End	North Av	81.75	Medium-High
East Village Dr	East Av	East Village Dr End	81.75	Medium-High
S Union	Main	College	81.625	Medium-High
Pine	Across Kilburn	Across Marble Av	81.5	Medium-High
S Champlain	Maple	King	81.5	Medium-High
Riverside Av	Hillside Terr	Hillside Terr	81.5	Medium-High
North Av	422 North Av	Institute Rd	81.5	Medium-High
Flynn Av	Briggs	Foster	81.375	Medium-High
Charles	Russell	N Willard	81.375	Medium-High
Haswell	Lakeview Terr	North Av	81.375	Medium-High
Margaret	Ledgemere	Caroline	81.25	Medium-High
Main	S Prospect	S Williams	81.25	Medium-High
Hildred Dr	273 Hildred Dr	Hildred Dr	81.25	Medium-High
Brook Dr	Van Patten Pkwy	89 Brook Dr	81.25	Medium-High
Caroline	Catherine	Howard	81.125	Medium-High
Wilson	N Prospect	Mansfield Av	81.125	Medium-High
Loomis	Weston	N Willard	81.125	Medium-High
Brookes Av	N Prospect	N Willard	81	Medium-High
Loomis	N Willard	N Prospect	81	Medium-High
N Winooski Av	Pearl	Grant	81	Medium-High
Home Av	Shelburne Rd	Wells	80.75	Medium-High
Cherry	Church	S Winooski Av	80.625	Medium-High
Loomis	Booth	School	80.625	Medium-High
Walnut	Spring	Archibald	80.625	Medium-High
Drew	North St	Strong	80.625	Medium-High
North Av	Dewey Dr	Simms	80.625	Medium-High
N Prospect	Brookes Av	Colchester Av	80.5	Medium-High
College	S Union	S Willard	80.25	Medium-High
Ferguson Av	Briggs	Foster	80.125	Medium-High
Russell	Charles	North St	80.125	Medium-High
Lakewood Pkwy	Beachcrest Dr	Tallwood Ln	80.125	Medium-High

Marshall Dr	Heineberg Rd	Gosse Ct	80.125	Medium-High
Forest	NorthView Dr	North Av	80.125	Medium-High
Lyman Av	Shelburne Rd	Wells	80	Medium-High
S Williams	Pearl	43 S Williams	79.75	Medium-High
Main	S Williams	S Willard	79.75	Medium-High
Deforest Hts	Deforest Rd	S Willard	79.75	Medium-High
Farrington Pkwy	Ethan Allen Pkwy	Gosse Ct	79.75	Medium-High
Van Patten Pkwy	108 Van Patten Pkwy	Village Green	79.75	Medium-High
Richardson	Scarff Av	Lyman Av	79.5	Medium-High
S Winooski Av	King	Maple	79.5	Medium-High
S Williams	College	Pearl	79.5	Medium-High
North Av	Derway Dr	Westward Dr	79.5	Medium-High
Lyman Av	Wells	Shelburne Rd	79.375	Medium-High
Lyman Av	Foster	Briggs	79.375	Medium-High
Ferguson Av	Foster	Briggs	79.375	Medium-High
Tallwood Ln	Oakcrest Dr	Woodridge Dr	79.375	Medium-High
Cherry Ln	Birchcliff Pkwy	Bittersweet Ln	79.25	Medium-High
Marian	Ledgemere	Shelburne Rd	79.25	Medium-High
Iranistan Rd	29 Iranistan Rd	Ledge Rd	79.25	Medium-High
Adams	S Winooski Av	S Union	79.25	Medium-High
Adams	S Union	S Winooski Av	79.25	Medium-High
Morrill Dr	Van Patten Pkwy	Van Patten Pkwy	79.25	Medium-High
Central Av	Wright Av	Lakeside Av	79.125	Medium-High
Wright Av	Central Av	Wright Av End	79.125	Medium-High
Maple	St Paul	Pine	79	Medium-High
Hildred Dr	Across 273 Hildred Dr	Hildred Dr	79	Medium-High
Chase	92 Chase	Barrett	79	Medium-High
Pleasant Av	104 Pleasant Av	Starr Farm Rd	79	Medium-High
Cherry	Pine	Battery	78.75	Medium-High
S Williams	Main	College	78.75	Medium-High
Willow	Intervale Av	St Marys	78.75	Medium-High
Ferguson Av	Richardson	Pine	78.625	Medium-High
Lakeside Av	Central Av	Conger Av	78.625	Medium-High
Hungerford Terr	College	Bradley	78.625	Medium-High

Hungerford Terr	Bradley	Buell	78.625	Medium-High
Pine	266 Pine	Maple	78.5	Medium-High
S Willard	Bayview	Howard	78.5	Medium-High
Russell	North St	Charles	78.375	Medium-High
Laurel Ct	Laurel Ct End	Shore Rd	78.375	Medium-High
Buell	S Union	Hungerford Terr	78.25	Medium-High
Van Patten Pkwy	Billings Ct	108 Van Patten Pkwy	78.25	Medium-High
Lakewood Pkwy	Birchwood Ln	Woodridge Dr	78.125	Medium-High
Marshall Dr	Marshall Dr	Heineberg Rd	78.125	Medium-High
Dodds Ct	Shore Rd	North Av	78.125	Medium-High
Henry	Weston	N Prospect	78	Medium-High
Thibault Pkwy	Thibault Pkwy End	14 Thibault Pkwy	78	Medium-High
Village Green	Van Patten Pkwy	North Av	78	Medium-High
Ludwig Ct	Ludwig Ct End	Hoover	77.875	Medium-High
College	Hungerford Terr	S Union	77.75	Medium-High
Colonial Sq	N Prospect	Colonial Sq End	77.75	Medium-High
Colonial Sq	Pomeroy	N Prospect	77.75	Medium-High
Lake	College	Main	77.625	Medium-High
St Paul	Marble Av	Howard	77.5	Medium-High
S Prospect	Cliff	465 S Prospect	77.5	Medium-High
East Av	University Rd	Colchester Av	77.5	Medium-High
Oakland Terr	York Dr	Staniford Rd	77.5	Medium-High
Birchwood Ln	Woodridge Dr	Lakewood Pkwy	77.5	Medium-High
Ethan Allen Pkwy	Gazo Av	James Av	77.5	Medium-High
Charity	Gazo Av	Randy Ln	77.5	Medium-High
S Union	King	Maple	77.375	Medium-High
Summit	Cliff	Maple	77.375	Medium-High
S Champlain	College	Main	77.25	Medium-High
Bradley	Hungerford Terr	S Willard	77.25	Medium-High
Colchester Av	Barrett	Mill	77.25	Medium-High
S Union	Bradley	Buell	77.125	Medium-High
Adams Ct	35 Adams Ct	Adams Ct End	77	Medium-High
Woodbury Rd	Stanbury Rd	North Av	77	Medium-High
Home Av	Richardson	Pine	76.875	Medium-High

Shelburne Rd	Home Av	Shelburne Road Shopping Plaza	76.875 Medium-High
Pearl	Greene	S Union	76.875 Medium-High
Grant	N Winooski Av	N Union	76.875 Medium-High
Willow	Intervale Av	St Marys	76.875 Medium-High
Monroe	N Champlain	Park	76.875 Medium-High
N Champlain	Peru	Across 109 N Champlain	76.875 Medium-High
Front	North St	Sherman	76.875 Medium-High
Front	Sherman	Summer	76.875 Medium-High
Rose	Cedar	North St	76.875 Medium-High
ELMWOOD AV	Allen	Peru	76.875 Medium-High
N Willard	Loomis	Henry	76.875 Medium-High
Blodgett	Strong	13 Blodgett	76.875 Medium-High
North Av	1199 North Av	Poirier Pl	76.875 Medium-High
Bayview	S Union	S Willard	76.75 Medium-High
King	97 King	St Paul	76.75 Medium-High
Juniper Terr	Juniper Terr End	Summit	76.75 Medium-High
Loomis	Mansfield Av	N Prospect	76.75 Medium-High
Grove	City Limit	100 Grove	76.75 Medium-High
Fletcher Pl	Colchester Av	Fletcher Pl End	76.625 Medium-High
Foster	Flynn Av	Ferguson Av	76.375 Medium-High
Howard	St Paul	Golden Pl	76.25 Medium-High
Maple	S Willard	Summit	76.25 Medium-High
Main	S Willard	Summit	76.25 Medium-High
Thibault Pkwy	Colchester Av	Thibault Pkwy End	76.125 Medium-High
Saratoga Av	Bennington Ct	Revere Ct	76.125 Medium-High
Colchester Av	East Av	Latham Ct	76 Medium-High
Saratoga Av	Sidewalk Start on Saratoga Av	Van Patten Pkwy	76 Medium-High
Alder Ln	Cherry Ln	Birchcliff Pkwy	75.75 Medium-High
Shelburne Rd	Birchcliff Pkwy	Flynn Av	75.75 Medium-High
Pine	King	Main	75.75 Medium-High
Cherry	Church	St Paul	75.75 Medium-High
S Champlain	S Champlain End	Maple	75.75 Medium-High
Battery	King	Main	75.75 Medium-High
Henry	N Willard	Weston	75.75 Medium-High

North Av	209 North Av	Institute Rd	75.75	Medium-High
Woodlawn Rd	North Av	Stanbury Rd	75.75	Medium-High
Farrington Pkwy	Gosse Ct	Heineberg Rd	75.75	Medium-High
Valade Pk	Valade Pk End	Sunset Dr	75.75	Medium-High
Van Patten Pkwy	Rivermount Terr	Rockland	75.75	Medium-High
N Prospect	Colchester Av	Loomis	75.625	Medium-High
Ledgemere	Ledgemere End	Margaret	75.5	Medium-High
Bilodeau Pkwy	Bilodeau Ct	Bilodeau Ct	75.5	Medium-High
Saratoga Av	North Av	Bennington Ct	75.5	Medium-High
Bennington Ct	Saratoga Av	Bennington Ct End	75.375	Medium-High
S Union	Howard	St Paul	75.25	Medium-High
Ledge Rd	Iranistan Rd	S Willard	75.25	Medium-High
Birchwood Ln	Lakewood Pkwy	Woodridge Dr	75.125	Medium-High
Arlington Ct	Heineberg Rd	Heineberg Rd	75.125	Medium-High
S Crest Dr	Home Av	103 S Crest Dr	75	Medium-High
Weston	Loomis	Henry	75	Medium-High
Wright Av	Central Av	Conger Av	74.75	Medium-High
Pearl	S Union	Hungerford Terr	74.625	Medium-High
Lyman Av	Wells	Richardson	74.25	Medium-High
Howard	S Union	S Willard	74.25	Medium-High
Catherine	St Paul	Caroline	74.25	Medium-High
College	Lake	College End	74.25	Medium-High
Colchester Av	Across Chase	Nash Pl	74.25	Medium-High
Morrill Dr	Van Patten Pkwy	Van Patten Pkwy	74.25	Medium-High
Pleasant Av	11 Pleasant Av	95 Pleasant Av	74.125	Medium-High
Colchester Av	Fletcher Pl	Mansfield Av	74	Medium-High
Shelburne Rd	Clymer	Alfred	73.875	Medium-High
Church	Cherry	10 Church	73.875	Medium-High
Isham	Hickok Pl	Loomis	73.875	Medium-High
North St	Drew	North Av	73.875	Medium-High
North Av	Depot	Sherman	73.875	Medium-High
S Union	Main	King	73.75	Medium-High
Robinson Pkwy	S Prospect	67 Robinson Pkwy	73.75	Medium-High
Brook Dr	89 Brook Dr	Van Patten Pkwy	73.75	Medium-High

Flynn Av	208 Flynn Av	Briggs	73.5	Medium-High
Maple	Church	St Paul	73.5	Medium-High
St Paul	Maple	King	73.5	Medium-High
Battery	Main	King	73.5	Medium-High
Locust Terr	Catherine	Locust Terr	73.125	Medium-High
Janet Cir	James Av	James Av	73.125	Medium-High
Flynn Av	Across Briggs	Across 208 Flynn Av	73	Medium-High
Howard	Golden Pl	Hayward	73	Medium-High
Maple	S Prospect	Summit	73	Medium-High
Revere Ct	Saratoga Av	Revere Ct End	73	Medium-High
Saratoga Av	Revere Ct	Village Green	73	Medium-High
S Prospect	Main	Maple	72.5	Medium-High
Pearl	Handy Ct	N Williams	72.5	Medium-High
Lyman Av	Richardson	Wells	72.25	Medium-High
Hildred Dr	Hildred Dr	Hillside Terr	72.25	Medium-High
Overlake Pk	Deforest Rd	Overlake Pk End	72.125	Medium-High
Ward	Manhattan Dr	North Av	72.125	Medium-High
Raymond Pl	Baird	S Meadow Dr	72	Medium-High
Gove Ct	21 Gove Ct	Shelburne Rd	71.75	Medium-High
Overlake Pk	62 Overlake Pk	Cliff	71.75	Medium-High
Brookes Av	N Willard	N Williams	71.75	Medium-High
Pine	Morse Pl	Lyman Av	71.625	Medium-High
Shelburne Rd	Ferguson Av	Lyman Av	71.625	Medium-High
Cherry	St Paul	Pine	71.625	Medium-High
Manhattan Dr	Lafountain	Spring	71.625	Medium-High
N Champlain	Monroe	Peru	71.625	Medium-High
Cedar	Lafountain	Rose	71.625	Medium-High
N Prospect	Henry	Loomis	71.625	Medium-High
Charles	N Willard	Russell	71.5	Medium-High
Harrington Terr	Jackson Ct	Maple	71.375	Medium-High
Austin Dr (Private)	102 Austin Dr (Private)	130 Austin Dr (Private)	71.25	Medium-High
Maple	S Willard	S Union	71.25	Medium-High
Battery	Main	College	71.25	Medium-High
Bilodeau Ct	Bilodeau Ct End	East Av	71.25	Medium-High

Ledgemere	Marian	Ledgemere End	71 Medium-High
Maple	Pine	S Champlain	71 Medium-High
Orchard Terr	68 Orchard Terr	Buell	71 Medium-High
Buell	S Union	Orchard Terr	71 Medium-High
Austin Dr (Private)	Across 102 Austin Dr (Private)	Austin Dr	70.75 Medium-High
Woodlawn Rd	Stanbury Rd	North Av	70.75 Medium-High
S Union	Bayview	Cliff	70.625 Medium-High
Summit Rdg	Cliff	Summit Rdg End	70.625 Medium-High
Stirling Pl	Shore Rd	Stirling Pl End	70.625 Medium-High
S Meadow Dr	Raymond Pl	S Meadow Dr	70.5 Medium-High
College	S Union	S Winooski Av	70.5 Medium-High
St Paul	Maple	Kilburn	70.5 Medium-High
St Paul	Catherine	Shelburne Rd	70.5 Medium-High
King	St Paul	Browns Ct	70.5 Medium-High
Riverside Av	220 Riverside Av	End of Sidewalk on Riverside Av	70.5 Medium-High
East Av	Carrigan Dr	East Village Dr	70.5 Medium-High
Lakeview Terr	Haswell	Canfield	70.375 Medium-High
Canfield	North Av	Lakeview Terr	70.375 Medium-High
Maple	S Winooski Av	S Union	70.25 Medium-High
Hayward	Marble Av	Howard	70.125 Medium-High
Hardy Av	127 Hardy Av	Westward Dr	70.125 Medium-High
S Union	Adams	Spruce	70 Medium-High
Summit	Main	Maple	70 Medium-High
Spring	Manhattan Dr	Archibald	70 Medium-High
Overlake Pk	Cliff	Deforest Rd	69.875 Medium-High
Shelburne Rd	Scarff Av	Home Av	69.75 Medium-High
College	St Paul	Church	69.75 Medium-High
College	S Willard	Hungerford Terr	69.75 Medium-High
S Champlain	King	Maple	69.75 Medium-High
Church	College	Bank	69.75 Medium-High
Main	Edmunds Elementary School	S Willard	69.75 Medium-High
Battery	Cherry	Pearl	69.75 Medium-High
Monroe	Johnson	N Champlain	69.75 Medium-High
Colchester Av	Mansfield Av	N Prospect	69.75 Medium-High

Curtis Av	135 Curtis Av	Sunset Cliff Rd	69.75	Medium-High
Van Patten Pkwy	Morrill Dr	Morrill Dr	69.75	Medium-High
Pine	Sears Ln	Flynn Av	69.625	Medium-High
Main	University Terr	University Pl	69.625	Medium-High
Colchester Av	Across Mansfield Av	61 Colchester Av	69.625	Medium-High
Caroline	Locust	Margaret	69.5	Medium-High
Cumberland Rd	Cumberland Rd End	Edinburgh Dr	69.5	Medium-High
Plattsburg Av	River's Edge Dr	Turf Rd	69.375	Medium-High
Catherine	Caroline	Hayward	69.25	Medium-High
Shore Rd	Dale Rd	Stirling Pl	69.25	Medium-High
S Union	Across Bayview	Howard	69.125	Medium-High
Wildwood Dr	Shore Rd	Glenwood Ln	69.125	Medium-High
Richardson	Lyman Av	Morse Pl	69	Medium-High
Prospect Hill	Prospect Hill End	N Prospect	69	Medium-High
Pine	Locust	500 Pine	68.875	Medium-High
S Cove Rd	170 S Cove Rd	128 S Cove Rd	68.75	Medium-High
Washington	North Av	Manhattan Dr	68.75	Medium-High
Borestone Ln	89 Borestone Ln	18 Borestone Ln	68.75	Medium-High
St Paul	Cherry	Pearl	68.625	Medium-High
S Willard	Spruce	Cliff	68.625	Medium-High
Maple	Summit	S Prospect	68.5	Medium-High
Pine	Maple	Across Kilburn	68.5	Medium-High
Moore Dr	Ethan Allen Pkwy	Moore Dr End	68.375	Medium-High
Maple	S Union	S Willard	68.25	Medium-High
Chase	Colchester Av	Chase Ln	68.25	Medium-High
Rockland	Van Patten Pkwy	Temple	68.25	Medium-High
Faith	Gazo Av	James Av	68.125	Medium-High
Saratoga Av	Brandywine	North Av	68.125	Medium-High
Wildwood Dr	Dale Rd	Shore Rd	68	Medium-High
S Winooski Av	Buell	Pearl	67.875	Medium-High
S Champlain	King	Main	67.875	Medium-High
S Champlain	Maple	255 S Champlain	67.875	Medium-High
Church	Bank	College	67.875	Medium-High
Greene	Hickok Pl	Pearl	67.875	Medium-High

Intervale Av	Willow	Archibald	67.875	Medium-High
Riverside Av	Intervale Av	Bright	67.875	Medium-High
Lake	College	Penny Ln	67.875	Medium-High
Park	Myrtle	Poplar	67.875	Medium-High
North St	Park	Pitkin	67.875	Medium-High
Lafountain	Cedar	Manhattan Dr	67.875	Medium-High
ELMWOOD AV	North St	Allen	67.875	Medium-High
N Prospect	Loomis	Wilson	67.875	Medium-High
North Av	Ethan Allen Pkwy	1199 North Av	67.875	Medium-High
Tallwood Ln	Lakewood Pkwy	Oakcrest Dr	67.875	Medium-High
Borestone Ln	72 Borestone Ln	167 Borestone Ln	67.875	Medium-High
Borestone Ln	15 Borestone Ln	1 Borestone Ln	67.875	Medium-High
Borestone Ln	3 Borestone Ln	125 Borestone Ln	67.875	Medium-High
Locust	Shelburne Rd	Caroline	67.75	Medium-High
Henderson Terr	S Prospect	Henderson Terr End	67.75	Medium-High
Main	Beaumont Av	University Hts	67.75	Medium-High
College	Pine	St Paul	67.5	Medium-High
S Willard	Bradley	College	67.5	Medium-High
S Prospect	Across Henderson Terr	Cliff	67.5	Medium-High
Loomis	N Prospect	Weston	67.5	Medium-High
Baird	S Meadow Dr	Raymond Pl	67.375	Medium-High
Wright Av	Conger Av	Central Av	67.375	Medium-High
King	S Winooski Av	S Union	67.25	Medium-High
Kingsland Terr	S Union	Kingsland Terr End	67.25	Medium-High
Prospect Hill	17 Prospect Hill	Prosect Hill End	67.125	Medium-High
Cayuga Ct	120 Cayuga Ct	North Av	67.125	Medium-High
S Union	Beech	Howard	67	Medium-High
Margaret	Caroline	Ledgemere	67	Medium-High
Hope	James Av	Gazo Av	67	Medium-High
Brierwood Ln	Fern	Dale Rd	67	Medium-High
Pine	Lakeside Av	Across Birchcliff Pkwy	66.875	Medium-High
Shelburne Rd	Marian	Locust	66.875	Medium-High
Bank	Across St Paul	Pine	66.75	Medium-High
S Winooski Av	Adams	Maple	66.75	Medium-High

King	Battery	S Champlain	66.75	Medium-High
Adams	S Winooski Av	Church	66.75	Medium-High
Adams	Across Church	S Winooski Av	66.75	Medium-High
Main	S Union	Edmunds Elementary School	66.75	Medium-High
N Williams	Pearl	Brookes Av	66.75	Medium-High
Lafayette Pl	Lafayette Pl End	Pearl	66.75	Medium-High
Pine	Kilburn	266 Pine	66.625	Medium-High
Spruce	S Union	S Winooski Av	66.625	Medium-High
College	Battery	Lake	66.375	Medium-High
Catherine	Caroline	St paul	66.25	Medium-High
Deforest Rd	Overlake Pk	Deforest Hts	66.25	Medium-High
Ridgewood Dr	Shore Rd	Crescent Beach Dr	66.25	Medium-High
Hayward	Catherine	Howard	66.125	Medium-High
Edgewood Ln	Ledge Rd	Edgewood Ln End	66.125	Medium-High
Moore Ct	Moore Dr	Moore Ct End	66.125	Medium-High
Ferguson Av	Pine	Foster	66	Medium-High
Johnson	Monroe	Peru	66	Medium-High
Blodgett	Ward	Strong	66	Medium-High
Heineberg Rd	Arlington Ct	Farrington Pkwy	66	Medium-High
Leonard	Leonard End	North Av	66	Medium-High
Forest	North Av	NorthView Dr	66	Medium-High
Locust	Locust Terr	Pine	65.75	Medium-High
Starr Farm Rd	Grey Meadow Dr	North Av	65.625	Medium-High
Beachcrest Dr	Beachcrest Dr End	Oakcrest Dr	65.5	Medium-High
Hoover	Redstone Terr	Ludwig Ct	65.25	Medium-High
Howard	S Union	St Paul	65.25	Medium-High
S Willard	Jackson Ct	Main	65.25	Medium-High
S Prospect	Robinson Pkwy	Main	65.25	Medium-High
Colchester Av	Latham Ct	Thibault Pkwy	65.25	Medium-High
Van Patten Pkwy	Village Green	Morrill Dr	65.25	Medium-High
Charlotte	Locust	Catherine	65.125	Medium-High
Crowley	North Av	Crowley End	65.125	Medium-High
Village Green	Saratoga Av	Van Patten Pkwy	65.125	Medium-High
Robinson Pkwy	S Prospect	Across 77 Robinson Pkwy	65	Medium-High

Ethan Allen Pkwy	James Av	Farrington Pkwy	65 Medium-High
Shore Rd	Balsam	Vine	65 Medium-High
Shelburne Rd	Alfred	Hoover	64.875 Medium-High
N Champlain	Across 109 N Champlain	North St	64.875 Medium-High
N Champlain	Myrtle	North St	64.875 Medium-High
Manhattan Dr	Park	N Champlain	64.875 Medium-High
Spring	Archibald	Manhattan Dr	64.875 Medium-High
Riverside Av	220 Riverside Av	Across Hillside Terr	64.875 Medium-High
Moore Dr	Moore Ct	Ethan Allen Pkwy	64.875 Medium-High
Southwind Dr	56 Southwind Dr	Oak Beach Dr	64.75 Medium-High
Maple	S Union	S Winooski Av	64.75 Medium-High
King	Church	St Paul	64.5 Medium-High
Lake	Penny Ln	Lake End	64.5 Medium-High
University Terr	University Terr End	Main	64.5 Medium-High
East Av	Bilodeau Ct	Case Pkwy	64.5 Medium-High
Summit	Juniper Terr	Cliff	64.375 Medium-High
Borestone Ln	26 Borestone Ln	56 Borestone Ln	64.375 Medium-High
Lakeside Av	175 Lakeside Av	Pine	64.25 Medium-High
Catherine	Charlotte	Caroline	64.25 Medium-High
Hayward	Howard	Marble Av	64.125 Medium-High
Shore Rd	Fern	Dodds Ct	64.125 Medium-High
Shore Rd	Laurel Ct	North Av	64.125 Medium-High
Faith	James Av	Gazo Av	64 Medium-High
Cumberland Rd	Appletree Pt Rd	Cumberland Rd End	64 Medium-High
Dunder Rd	Austin Dr	Dunder Rd End	63.75 Medium-High
Shelburne Rd	Flynn Av	Prospect Pkwy	63.75 Medium-High
Beech	S Union	S Willard	63.75 Medium-High
Catherine	Locust Terr	Charlotte	63.75 Medium-High
Hickok Pl	Isham	Greene	63.75 Medium-High
Meridian	Sunset Dr	Venus Av	63.375 Medium-Low
Dodds Ct	Shore Rd	Ivy Ln	63.375 Medium-Low
Home Av	S Crest Dr	Pine	63.25 Medium-Low
Henderson Terr	Henderson Terr End	S Prospect	63.25 Medium-Low
Chase	Chase End	92 Chase	63.125 Medium-Low

Vine	Shore Rd	Brierwood Ln	63.125	Medium-Low
Pine	500 Pine	Howard	63	Medium-Low
S Union	College	Bradley	63	Medium-Low
Greene	Pearl	Hickok Pl	63	Medium-Low
Pearl	Lafayette Pl	N Winooski Av	63	Medium-Low
Luck	Intervale Av	St Marys	63	Medium-Low
N Champlain	Cedar	Manhattan Dr	63	Medium-Low
N Union	Pearl	Hickok Pl	63	Medium-Low
ELMWOOD AV	Pearl	Grant	63	Medium-Low
Strong	Drew	Blodgett	63	Medium-Low
North Av	Route 127	Route 127	63	Medium-Low
Wing	Simms	Dewey Dr	63	Medium-Low
Pine	Across 500 Pine St	Across Locust	62.625	Medium-Low
Pine	Maple	King	62.625	Medium-Low
N Champlain	Monroe	Pearl	62.625	Medium-Low
East Av	East Village Dr	Bilodeau Ct	62.625	Medium-Low
College	Battery	S Champlain	62.25	Medium-Low
St Paul	College	Main	62.25	Medium-Low
Pearl	S Willard	S Williams	62.25	Medium-Low
Hildred Dr	Hillside Terr	273 Hildred Dr	62.25	Medium-Low
Washington	Convent Sq	North Av	62.125	Medium-Low
James Av	Janet Cir	Janet Cir	62.125	Medium-Low
Hope	Gazo Av	Randy Ln	62.125	Medium-Low
Venus Av	Sunset Dr	Meridian	62.125	Medium-Low
Sandra Cir	Matthew Av	Gazo Av	62	Medium-Low
Randy Ln	Gazo Av	Hope	62	Medium-Low
Baird	Pine	S Meadow Dr	61.875	Medium-Low
Lyman Av	Foster	Pine	61.875	Medium-Low
S Union	College	Main	61.875	Medium-Low
S Union	Maple	Adams	61.875	Medium-Low
Manhattan Dr	St Marys	Intervale Av	61.875	Medium-Low
Hyde	School	Pomeroy	61.875	Medium-Low
North Av	Loaldo Dr	Green Acres Dr	61.875	Medium-Low
North Av	Cross Pkwy	Staniford Rd	61.875	Medium-Low

North Av	Staniford Rd	Woodbury Rd	61.875	Medium-Low
Woodridge Dr	Tallwood Ln	Lakewood Pkwy	61.875	Medium-Low
Heineberg Rd	Poirier Pl	Arlington Ct	61.875	Medium-Low
Heineberg Rd	Arlington Ct	Arlington Ct	61.875	Medium-Low
Heineberg Rd	Farrington Pkwy	Marshall Dr	61.875	Medium-Low
Brierwood Ln	Balsam	Fern	61.875	Medium-Low
Hardy Av	Westward Dr	120 Hardy Av	61.875	Medium-Low
North Av	Simms	Browe Ct	61.875	Medium-Low
Lakeside Av	Pine	Conger Av	61.75	Medium-Low
Van Patten Pkwy	Brook Dr	Billings Ct	61.75	Medium-Low
S Winooski Av	Main	College	61.5	Medium-Low
Main	Pine	S Champlain	61.5	Medium-Low
Ridgewood Dr	Crescent Beach Dr	Shore Rd	61.25	Medium-Low
Main	Lake	Battery	61.125	Medium-Low
Moore Dr	Moore Dr End	Moore Ct	61.125	Medium-Low
Holly Ln	Shore Rd	Wildwood Dr	61.125	Medium-Low
Billings Ct	Van Patten Pkwy	Billings Ct End	61.125	Medium-Low
Deforest Rd	147 Deforest Rd	Overlake Pk	61	Medium-Low
Sky Dr	Meridian	Sunset Dr	61	Medium-Low
Van Patten Pkwy	Brook Dr	Brook Dr	61	Medium-Low
S Cove Rd	Austin Dr	264 S Cove Rd	60.75	Medium-Low
Curtis Av	Starr Farm Rd	117 Curtis Av	60.75	Medium-Low
Sunset Dr	Meridian	Sky Dr	60.375	Medium-Low
Janet Cir	James Av	59 Janet Cir	60.125	Medium-Low
James Av	Janet Cir	Ethan Allen Pkwy	60.125	Medium-Low
James Av	Hope	Matthew Av	60.125	Medium-Low
Sandra Cir	James Av	Matthew Av	60.125	Medium-Low
N Winooski Av	Riverside Av	Archibald	60	Medium-Low
North Av	Woodlawn Rd	Dodds Ct	60	Medium-Low
Leonard	North Av	Leonard End	60	Medium-Low
S Prospect	Across 487 S Prospect	Across Cliff	59.75	Medium-Low
Cherry Ln	Bittersweet Ln	Alder Ln	59.625	Medium-Low
North Av	Convent Sq	422 North Av	59.625	Medium-Low
Pine	Across 1149 Pine	Baird	59.25	Medium-Low

Marble Av	Pine	Hayward	59.25	Medium-Low
Pine	Bank	College	59.25	Medium-Low
Maple	Summit	Harrington Terr	59.25	Medium-Low
King	S Union	S Winooski Av	59.25	Medium-Low
Bradley	S Willard	Hungerford Terr	59.25	Medium-Low
Brook Dr	142 Brook Dr	Van Patten Pkwy	59.25	Medium-Low
College	S Williams	S Prospect	59	Medium-Low
Bilodeau Ct	31 Bilodeau Ct	Bilodeau Pkwy	59	Medium-Low
Lori Ln	Lori Ln End	Randy Ln	59	Medium-Low
Main	Church	S Winooski Av	58.875	Medium-Low
Pearl	Elmwood Av	George	58.875	Medium-Low
Hickok Pl	Greene	Converse Ct	58.875	Medium-Low
Farrington Pkwy	Heineberg Rd	Ethan Allen Pkwy	58.875	Medium-Low
Caroline	Howard	Catherine	58.75	Medium-Low
Scarff Av	Wells	Richardson	58.5	Medium-Low
Flynn Av	Wells	Shelburne Rd	58.5	Medium-Low
Main	St Paul	Church	58.5	Medium-Low
Loomis	Greene	Isham	58.5	Medium-Low
North St	Elmwood Av	Lafountain	58.5	Medium-Low
Matthew Av	Gazo Av	Sandra Cir	58.5	Medium-Low
Pleasant Av	Starr Farm Rd	142 Pleasant Av	58.5	Medium-Low
Sky Dr	Sunset Dr	Meridian	58.375	Medium-Low
Curtis Av	106 Curtis Av	Starr Farm Rd	58.375	Medium-Low
Hoover	Perrotta Pl	Redstone Terr	58.25	Medium-Low
King	Pine	85 King	58.25	Medium-Low
S Prospect	Across Cliff	Henderson Terr	58.25	Medium-Low
Arthur Ct	Queen City Park RD	14 Arthur Ct	58	Medium-Low
Austin Dr (Private)	144 Austin Dr (Private)	155 Austin Dr (Private)	57.75	Medium-Low
Howard	Hayward	Pine	57.75	Medium-Low
College	College End	Lake	57.75	Medium-Low
Curtis Av	Sunset Cliff Rd	130 Curtis Av	57.75	Medium-Low
S Prospect	Robinson Pkwy	Robinson Pkwy	57.625	Medium-Low
East Av	City Limit	Carrigan Dr	57.625	Medium-Low
Gazo Av	Sandra Cir	Matthew Av	57.125	Medium-Low

Venus Av	Venus Av End	Sunset Dr	57.125 Medium-Low
Van Patten Pkwy	Morrill Dr	Rivermount Terr	57.125 Medium-Low
S Cove Rd	128 S Cove Rd	Austin Dr	57 Medium-Low
Cliff	147 Cliff	Summit	57 Medium-Low
S Prospect	Henderson Terr	Robinson Pkwy	57 Medium-Low
North St	Park	N Champlain	57 Medium-Low
Manhattan Dr	Rose	Across 205 Manhattan Dr	57 Medium-Low
Pitkin	Manhattan Dr	Strong	57 Medium-Low
Staniford Rd	Western Av	Across Appletree Pt Rd	57 Medium-Low
Shore Rd	Ridgewood Dr	Dale Rd	57 Medium-Low
Oak Beach Dr	Ledgewood Cir	Lake Forest Dr	56.75 Medium-Low
Lake Forest Dr	Flynn Av	Oak Beach Dr	56.75 Medium-Low
S Meadow Dr	Baird	S Meadow Dr End	56.625 Medium-Low
Lyman Av	Briggs	Foster	56.625 Medium-Low
Locust	Caroline	Charlotte	56.625 Medium-Low
Intervale Av	Manhattan Dr	Luck	56.625 Medium-Low
Heineberg Rd	North Av	Poirier Pl	56.625 Medium-Low
College	Lake	Battery	56.25 Medium-Low
King	Church	S Winooski Av	56.25 Medium-Low
Lori Ln	Randy Ln	Lori Ln End	56 Medium-Low
Matthew Av	James Av	Gazo Av	56 Medium-Low
King	King End	Battery	55.875 Medium-Low
Lakewood Pkwy	Woodridge Dr	North Av	55.875 Medium-Low
Baird	Raymond Pl	Pine	55.5 Medium-Low
Ferguson Av	Shelburne Rd	Wells	55.5 Medium-Low
Cherry Ln	Alder Ln	Linden Terr	55.5 Medium-Low
Birchcliff Pkwy	Linden Terr	Alder Ln	55.5 Medium-Low
Buell	Orchard Terr	S Union	55.5 Medium-Low
Loomis	Isham	N Willard	55.5 Medium-Low
North Av	Institute Rd	726 North Av	55.5 Medium-Low
Main	University Hts	University Terr	55.5 Medium-Low
Colchester Av	Nash Pl	East Av	55.5 Medium-Low
Brook Dr	56 Brook Dr	Foilage on Brook Dr	55.25 Medium-Low
Convent Sq	North Av	Convent Sq	55.125 Medium-Low

James Av	Sandra Cir	Janet Cir	55.125	Medium-Low
Edinburgh Dr	Cumberland Rd	Muirfield Rd	55.125	Medium-Low
Temple	Rockland	Temple End	55	Medium-Low
Pine	Home Av	1073 Pine	54.75	Medium-Low
Southwind Dr	Oak Beach Dr	Oak Beach Dr	54.75	Medium-Low
Locust	Charlotte	Locust Terr	54.75	Medium-Low
Shelburne Rd	Locust	Gove Ct	54.75	Medium-Low
Orchard Terr	Pearl	Buell	54.75	Medium-Low
Pearl	Hungerford Terr	S Willard	54.75	Medium-Low
Hickok Pl	Greene	Isham	54.75	Medium-Low
Loomis	229 Loomis	Mansfield Av	54.75	Medium-Low
East Av	Carrigan Dr	Main	54.75	Medium-Low
University Terr	Main	University Terr End	54.75	Medium-Low
Glenwood Ln	Wildwood Dr	Shore Rd	54.5	Medium-Low
Matthew Av	Sandra Cir	James Av	54.125	Medium-Low
Hoover	Shelburne Rd	Perrotta Pl	54	Medium-Low
St Louis	Archibald	Willow	53.625	Medium-Low
North St	N Champlain	Park	53.625	Medium-Low
Archibald	St Louis	Walnut	53.625	Medium-Low
Curtis Av	117 Curtis Av	135 Curtis Av	53.5	Medium-Low
Randy Ln	Hope	Charity	53.375	Medium-Low
S Crest Dr	115 S Crest Dr	Pine	52.875	Medium-Low
S Meadow Dr	S Meadow Dr	Raymond Pl	52.875	Medium-Low
Pine	Lyman Av	Ferguson Av	52.875	Medium-Low
Ferguson Av	Foster	Pine	52.875	Medium-Low
Ludwig Ct	Hoover	Ludwig Ct End	52.875	Medium-Low
Hayward	Howard	Catherine	52.875	Medium-Low
Bank	S Winooski Av	Church	52.875	Medium-Low
S Williams	57 S Williams	College	52.875	Medium-Low
St Louis	Oak	Luck	52.875	Medium-Low
Oak	Walnut	Manhattan Dr	52.875	Medium-Low
Intervale Av	Oak	Willow	52.875	Medium-Low
Park	Sherman	North St	52.875	Medium-Low
N Champlain	Sherman	Monroe	52.875	Medium-Low

North St	Booth	N Willard	52.875	Medium-Low
North St	N Prospect	Mansfield Av	52.875	Medium-Low
North St	N Willard	Russell	52.875	Medium-Low
Manhattan Dr	Ward	Pitkin	52.875	Medium-Low
Hyde	Pomeroy	Archibald	52.875	Medium-Low
N Willard	Archibald	Pomeroy	52.875	Medium-Low
Sherman	Park	North Av	52.875	Medium-Low
Blodgett	Strong	Ward	52.875	Medium-Low
Ward	North Av	Drew	52.875	Medium-Low
North Av	Woodbury Rd	Woodlawn Rd	52.875	Medium-Low
Colchester Av	61 Colchester Av	East Av	52.875	Medium-Low
York Dr	Western Av	Oakland Terr	52.875	Medium-Low
North Av	Canfield	Haswell	52.875	Medium-Low
Ethan Allen Pkwy	Sandy Ln	Lopes Av	52.875	Medium-Low
North Av	Northgate Rd	Dewey Dr	52.875	Medium-Low
Pleasant Av	142 Pleasant Av	104 Pleasant Av	52.875	Medium-Low
Orchard Terr	Buell	Pearl	52.5	Medium-Low
King	S Champlain	Pine	52.5	Medium-Low
Park	Pearl	Monroe	52.5	Medium-Low
Manhattan Dr	Washington	Volz	52.125	Medium-Low
Muirfield Rd	Nottingham Ln	Appletree Pt Rd	52.125	Medium-Low
Sandra Cir	Gazo Av	Gazo Av	52.125	Medium-Low
Janet Cir	49 Janet Cir	James Av	52.125	Medium-Low
Hope	Randy Ln	James Av	52.125	Medium-Low
Holly Ln	Wildwood Dr	Shore Rd	52.125	Medium-Low
S Cove Rd	264 S Cove Rd	170 S Cove Road	52	Medium-Low
Howard	Caroline	St Paul	51.75	Medium-Low
Ledgemere	Margaret	Marian	51.75	Medium-Low
Maple	S Champlain	Battery	51.75	Medium-Low
Spruce	S Winooski Av	Spruce Ct	51.75	Medium-Low
St Paul	College	Bank	51.75	Medium-Low
King	Pine	S Champlain	51.75	Medium-Low
Archibald	Intervale Av	N Winooski Av	51.75	Medium-Low
Hildred Dr	Hildred Dr	Across 273 Hildred Dr	51.75	Medium-Low

Riverside Av	Hillside Terr	220 Riverside Av	51.75	Medium-Low
Lopes Av	Blondin Cir	Ethan Allen Pkwy	51.75	Medium-Low
Main	University Terr	University Hts	51.5	Medium-Low
Beachcrest Dr	Lakewood Pkwy	Beachcrest Dr End	51.5	Medium-Low
Crescent Beach Dr	Shore Rd	Surf Rd	51.375	Medium-Low
Flynn Av	Foster	Pine	51	Medium-Low
Hungerford Terr	Pearl	Buell	51	Medium-Low
Walnut	Manhattan Dr	Oak	51	Medium-Low
Manhattan Dr	Spring	Oak	51	Medium-Low
Park	Summer	Sherman	51	Medium-Low
Murray	Allen	North St	51	Medium-Low
Woodridge Dr	Birchwood Ln	Tallwood Ln	51	Medium-Low
Shore Rd	Dodds Ct	Laurel Ct	51	Medium-Low
Laurel Ct	Shore Rd	Laurel Ct End	51	Medium-Low
Clover Ln	Barley Rd	Turf Rd	51	Medium-Low
Crescent Beach Dr	Surf Rd	Crescent Beach Dr End	50.875	Medium-Low
Oak Beach Dr	Southwind Dr	Ledgewood Cir	50.75	Medium-Low
Vine	Brierwood Ln	Shore Rd	50.75	Medium-Low
S Prospect	Pearl	College	50.25	Medium-Low
Beachcrest Dr	Oakcrest Dr	Lakewood Pkwy	50.125	Medium-Low
Brierwood Ln	Vine	Balsam	50.125	Medium-Low
Dale Rd	Shore Rd	Dale Rd End	50.125	Medium-Low
Shore Rd	Dale Rd	Holly Ln	50.125	Medium-Low
S Prospect	Crescent Rd	Prospect Pkwy	50	Medium-Low
Flynn Av	Pine	Across Briggs	49.875	Medium-Low
Pine	King	Maple	49.875	Medium-Low
S Winooski Av	Pearl	Cherry	49.875	Medium-Low
S Winooski Av	Cherry	Bank	49.875	Medium-Low
S Champlain	Main	King	49.875	Medium-Low
King	Battery	King End	49.875	Medium-Low
Church	Bank	Cherry	49.875	Medium-Low
Main	Church	St Paul	49.875	Medium-Low
S Willard	Tower Terr	Spruce	49.875	Medium-Low
Pearl	Across N Champlain	Pine	49.875	Medium-Low

Willow	Walnut	St Louis	49.875 Medium-Low
N Union	Loomis	North St	49.875 Medium-Low
North St	Murray	Elmwood Av	49.875 Medium-Low
North St	Russell	School	49.875 Medium-Low
Manhattan Dr	Pitkin	Park	49.875 Medium-Low
Cedar	Lafountain	Elmwood Av	49.875 Medium-Low
Spring	Elmwood Av	Cloarec Ct	49.875 Medium-Low
Intervale Av	Decatur	Archibald	49.875 Medium-Low
Walnut	Archibald	Spring	49.875 Medium-Low
ELMWOOD AV	Grant	North St	49.875 Medium-Low
N Winooski Av	Crombie	North St	49.875 Medium-Low
N Prospect	Wilson	North St	49.875 Medium-Low
North Av	Washington	Convent Sq	49.875 Medium-Low
North Av	Fairmont Pl	Red Maple Ln	49.875 Medium-Low
Fletcher Pl	Fletcher Pl End	Colchester Av	49.875 Medium-Low
Gosse Ct	Marshall Dr	Farrington Pkwy	49.875 Medium-Low
Shore Rd	Dodds Ct	Fern	49.875 Medium-Low
Charity	Charity	Gazo Av	49.75 Medium-Low
Shore Rd	Holly Ln	Glenwood Ln	49.75 Medium-Low
Shore Rd	Glenwood Ln	Wildwood Dr	49.75 Medium-Low
Surf Rd	485 Surf Rd	Crescent Beach Dr	49.75 Medium-Low
Home Av	Pine	Raymond Pl	49.5 Medium-Low
Birchcliff Pkwy	Shelburne Rd	Linden Terr	49.5 Medium-Low
S Winooski Av	Bank	College	49.5 Medium-Low
North St	Rose	N Champlain	49.5 Medium-Low
Manhattan Dr	N Champlain	Rose	49.5 Medium-Low
N Willard	Hyde	Archibald	49.5 Medium-Low
Ethan Allen Pkwy	Lopes Av	North Av	49.5 Medium-Low
Sandra Cir	Gazo Av	74 Sandra Cir	49.125 Medium-Low
Shore Rd	Vine	Dale Rd	49.125 Medium-Low
Dale Rd	Shore Rd	Brierwood Ln	49.125 Medium-Low
Maple	Church	S Winooski Av	48.75 Medium-Low
St Paul	King	Main	48.75 Medium-Low
Crescent Beach Dr	Ridgewood Dr	Shore Rd	48.375 Medium-Low

S Prospect	Burlington Country Club	487 S Prospect	48.25 Medium-Low
Oak Beach Dr	Southwind Dr	Southwind Dr	48.125 Medium-Low
Pine	Marble Av	Pine Pl	48 Medium-Low
Park	North St	Myrtle	48 Medium-Low
N Champlain	Poplar	Myrtle	48 Medium-Low
North St	Hyde	N Union	48 Medium-Low
N Prospect	Loomis	Brookes Av	48 Medium-Low
Colchester Av	City Limit	Riverside Av	48 Medium-Low
Bennington Ct	Bennington Ct End	Saratoga Av	48 Medium-Low
Hale Ct	Hale Ct End	Saratoga Av	48 Medium-Low
Westward Dr	Westward Dr End	North Av	48 Medium-Low
Raymond Pl	S Meadow Dr	Home Av	47.625 Medium-Low
Locust Terr	Locust	Catherine	47.625 Medium-Low
Haswell	North Av	Lakeview Terr	47.625 Medium-Low
Gazo Av	Ethan Allen Pkwy	Randy Ln	47.125 Medium-Low
Surf Rd	Shore Rd	485 Surf Rd	47.125 Medium-Low
Edinborough Dr	Muirfield Rd	Cumberland Rd	47 Medium-Low
Wright Av	Wright Av	Central Av	46.875 Medium-Low
Cumberland Rd	Edinborough Dr	Appletree Pt Rd	46.5 Medium-Low
Stirling Pl	59 Stirling Pl	Shore Rd	46 Medium-Low
Conger Av	Wright Av	Lakeside Av	45.75 Medium-Low
Lafountain	North St	Cedar	45.75 Medium-Low
Wildwood Dr	Holly Ln	Dale Rd	45.75 Medium-Low
Shore Rd	Surf Rd	Crescent Beach Dr	45.375 Medium-Low
Oak Beach Dr	Lake Forest Dr	Flynn Av	45.125 Medium-Low
Dale Rd	Dale Rd End	Wildwood Dr	45.125 Medium-Low
College	S Winooski Av	Center	45 Medium-Low
Grant	N Winooski Av	Elmwood Av	45 Medium-Low
Monroe	Park	N Champlain	45 Medium-Low
Myrtle	N Champlain	Park	45 Medium-Low
Shore Rd	Stirling Pl	Surf Rd	44.75 Medium-Low
Main	S Union	S Winooski Av	44.25 Medium-Low
Main	East Av	East Av	44.25 Medium-Low
James Av	Matthew Av	Sandra Cir	44.125 Medium-Low

Pine	Across Locust	Lakeside Av	43.875	Medium-Low
Lafayette Pl	Pearl	Lafayette Pl End	43.875	Medium-Low
Lafountain	Cedar	North St	43.875	Medium-Low
N Willard	Adsit Ct	Brookes Av	43.875	Medium-Low
Canfield	Lakeview Terr	North Av	43.875	Medium-Low
Drew	Strong	North St	43.875	Medium-Low
Main	S Prospect	University Terr	43.875	Medium-Low
Woodridge Dr	Lakewood Pkwy	Birchwood Ln	43.875	Medium-Low
Blondin Cir	Blondin Cir End	Lopes Av	43.875	Medium-Low
Arlington Ct	48 Arlington Ct	Heineberg Rd	43.875	Medium-Low
Wildwood Dr	Glenwood Ln	Holly Ln	43.875	Medium-Low
Clover Ln	Turf Rd	Barley Rd	43.875	Medium-Low
Barley Rd	Clover Ln	Turf Rd	43.875	Medium-Low
Central Av	Central Av	Harrison Av	43.125	Medium-Low
Sandra Cir	Gazo Av	James Av	43	Medium-Low
Ledge Rd	Hillcrest Rd	Prospect Pkwy	42.75	Medium-Low
S Prospect	Ledge Rd	Burlington Country Club	42.75	Medium-Low
Summit Rdg	Summit Rdg End	Cliff	42.375	Medium-Low
Gazo Av	Hope	Faith	42.375	Medium-Low
Prospect Pkwy	Ledge Rd	Crescent Rd	42.25	Medium-Low
Stirling Pl	Stirling Pl End	Alexis Dr	42.125	Medium-Low
Booth	North St	Loomis	42	Medium-Low
N Prospect	North St	Henry	42	Medium-Low
Drew	Strong	Ward	42	Medium-Low
Arlington Ct	Heineberg Rd	48 Heineberg Rd	42	Medium-Low
Pleasant Av	95 Pleasant Av	145 Pleasant Av	42	Medium-Low
North Av	North Av End	3075 North Av	41.75	Medium-Low
Spruce	Spruce Ct	St Paul	41.25	Medium-Low
Gazo Av	Randy Ln	Sandra Cir	41.125	Medium-Low
Pine	Pine Pl	Kilburn	40.875	Medium-Low
North St	Elmwood Av	N Winooski Av	40.875	Medium-Low
Archibald	N Winooski Av	Bright	40.875	Medium-Low
Pine	S Meadow Dr	Home Av	40.5	Medium-Low
College	S Prospect	S Williams	40.5	Medium-Low

Main	Battery	Lake	40.5	Medium-Low
North St	Lafountain	Rose	40.5	Medium-Low
North St	N Champlain	Murray	40.5	Medium-Low
Archibald	Germain	207 Archibald	40.5	Medium-Low
Main	East Av	Beaumont Av	40.5	Medium-Low
Gazo Av	Matthew Av	Randy Ln	40.125	Medium-Low
Appletree Pt Rd	Cumberland Rd	Muirfield Rd	39.125	Low
Shore Rd	Crescent Beach Dr	Ridgewood Dr	38.75	Low
Pine	Across Birchcliff Pkwy	Sears Ln	38.625	Low
Bank	Pine	St Paul	38.625	Low
Maple	S Champlain	Pine	38.625	Low
Pearl	Battery	Across N Champlain	38.625	Low
Clarke	Grant	Pearl	38.625	Low
Park	Sherman	Pearl	38.625	Low
Dorset Ln	Cayuga Ct	Birch Ct	38.625	Low
North Av	Cayuga Ct	Birch Ct	38.625	Low
North Av	Birch Ct	Fairmont Pl	38.625	Low
Dale Rd	85 Dale Rd	Shore Rd	38.625	Low
Shore Rd	Wildwood Dr	Fern	38.625	Low
Ivy Ln	Dodds Ct	Fern	38.625	Low
Randy Ln	Gazo Av	Lori Ln	38.25	Low
Randy Ln	Lori Ln	Gazo Av	38.25	Low
Kilburn	Pine	St Paul	37.5	Low
St Paul	King	Maple	37.5	Low
St Paul	Howard	Catherine	37.5	Low
Shelburne Rd	Lyman Av	Scarff Av	36.75	Low
Southwind Dr	Oak Beach Dr	58 Southwind Dr	36.75	Low
Shelburne Rd	St Paul	Marian	36.75	Low
Bank	Center	S Winooski Av	36.75	Low
King	S Champlain	Battery	36.75	Low
Main	Summit	S Prospect	36.75	Low
S Willard	Buell	Bradley	36.75	Low
Summit	Maple	Cedar Ln	36.75	Low
S Prospect	College	Main	36.75	Low

Loomis	N Prospect	220 Loomis	36.75 Low
Convent Sq	Convent Sq	Washington	36.75 Low
Riverside Av	Across Hillside Terr	Intervale Rd	36.75 Low
Main	East Av	East Av	36.75 Low
Staniford Rd	Oakland Terr	Western Av	36.75 Low
Brierwood Ln	Dale Rd	Vine	36.75 Low
Lopes Av	Ethan Allen Pkwy	Sandy Ln	35.625 Low
Howard	Hayward	Caroline	35.25 Low
Lyman Av	Pine	Richardson	34.875 Low
Lyman Av	Richardson	Pine	34.875 Low
Lyman Av	Pine	Foster	34.875 Low
Maple	Pine	St Paul	34.875 Low
St Paul	Adams	230 St Paul	34.875 Low
Hungerford Terr	Buell	Bradley	34.875 Low
Hungerford Terr	Bradley	College	34.875 Low
Summit	Cedar Ln	Juniper Terr	34.875 Low
Penny Ln	Penny Ln	Lake	34.875 Low
Myrtle	Park	N Champlain	34.875 Low
Weston	Henry	Loomis	34.875 Low
North St	North Av	Front	34.875 Low
Cedar	Rose	Lafountain	34.875 Low
Spring	Cloarec Ct	Crombie	34.875 Low
Archibald	N Willard	Hyde	34.875 Low
Hyde	Archibald	N Willard	34.875 Low
Hyde	N Willard	Archibald	34.875 Low
N Winooski Av	Grant	Pearl	34.875 Low
N Willard	Pomeroy	Charles	34.875 Low
N Willard	Charles	North St	34.875 Low
Mansfield Av	North St	Wilson	34.875 Low
Lakeview Terr	North Av	145 Lakeview Terr	34.875 Low
North Av	Haswell	Lakeview Terr	34.875 Low
North Av	Sherman	North St	34.875 Low
North Av	North St	Strong	34.875 Low
Strong	Blodgett	Pitkin	34.875 Low

Ward	Blodgett	Manhattan Dr	34.875 Low
Strong	Drew	North Av	34.875 Low
North Av	Ward	Crowley	34.875 Low
North Av	Crowley	Washington	34.875 Low
North Av	Gosse Ct	Woodbury Rd	34.875 Low
North Av	Red Maple Ln	Tracy Dr	34.875 Low
North Av	Green Acres Dr	Cross Pkwy	34.875 Low
North Av	Dodds Ct	Shore Rd	34.875 Low
East Av	Colchester Av	Across 18 East Av	34.875 Low
Gosse Ct	Farrington Pkwy	Gosse Ct End	34.875 Low
James Av	Ethan Allen Pkwy	Faith	34.875 Low
James Av	Faith	Hope	34.875 Low
Gazo Av	Randy Ln	Charity	34.875 Low
Gazo Av	Charity	Hope	34.875 Low
Gazo Av	Faith	Ethan Allen Pkwy	34.875 Low
Moore Ct	Moore Ct End	Moore Dr	34.875 Low
Meridian	Venus Av	Sky Dr	34.875 Low
Sunset Dr	Valade Pk	Plattsburg Av	34.875 Low
Fern	Shore Rd	Brierwood Ln	34.875 Low
Balsam	Brierwood Ln	Shore Rd	34.875 Low
Shore Rd	Fern	Balsam	34.875 Low
Brandywine	Saratoga Av	Village Green	34.875 Low
North Av	Westward Dr	Fairfield Dr	34.875 Low
North Av	West Rd	1571 North Av	34.875 Low
Turf Rd	Plattsburg Av	North Av	34.875 Low
Turf Rd	Barley Rd	Clover Ln	34.875 Low
Westminster Dr	Nottingham Ln	Appletree Pt Rd	34.75 Low
Nottingham Ln	Nottingham Ln End	Appletree Pt Rd	34.125 Low
Hoover	Ludwig Ct	Shelburne Rd	33.75 Low
Maple	Harrington Terr	S Willard	33.75 Low
Maple	S Winooski Av	Church	33.75 Low
S Willard	Main	Maple	33.75 Low
Pearl	St Paul	Church	33.75 Low
Muirfield Rd	Appletree Pt Rd	Edinborough Dr	33.5 Low

Nottingham Ln	Appletree Pt Rd	Westminster Dr	33.125	Low
S Willard	Maple	Tower Terr	33	Low
Oak	St Louis	Walnut	33	Low
Park	North St	Summer	33	Low
North St	N Union	N Winooski Av	33	Low
Front	Summer	North St	33	Low
North St	N Union	School	33	Low
N Winooski Av	North St	N Union	33	Low
Rose	North St	Cedar	33	Low
Intervale Av	Spring	North St	33	Low
Archibald	N Winooski Av	Hyde	33	Low
Bright	Riverside Av	Archibald	33	Low
N Willard	Pearl	Adsit Ct	33	Low
Strong	North Av	Drew	33	Low
Ward	Drew	Blodgett	33	Low
North Av	Woodbury Rd	Edgemoor Dr	33	Low
North Av	Edgemoor Dr	Cayuga Ct	33	Low
Tallwood Ln	Woodridge Dr	Lakewood Pkwy	33	Low
Blondin Cir	Lopes Av	Blondin Cir End	33	Low
Balsam	Shore Rd	Brierwood Ln	33	Low
Westward Dr	North Av	Hardy Av	33	Low
Grey Meadow Dr	Grey Meadow Dr	Starr Farm Rd	33	Low
Barley Rd	Turf Rd	Plattsburg Av	33	Low
Grey Meadow Dr	58 Grey Meadow Dr	Cottage Grove	33	Low
Richardson	Lyman Av	Ferguson Av	31.875	Low
Orchard Terr	Buell	75 Orchard Terr	31.875	Low
S Union	Kingsland Terr	Maple	31.875	Low
S Willard	Deforest Rd	Cliff	31.875	Low
S Prospect	Maple	Across Henderson Terr	31.875	Low
Manhattan Dr	Walnut	St Louis	31.875	Low
Manhattan Dr	Rose	Lafountain	31.875	Low
Intervale Av	Crombie	Decatur	31.875	Low
North Av	Saratoga Av	Village Green	31.875	Low
Grove	100 Grove	Across Schmanska Park	31.875	Low

Westward Dr	Hardy Av	Westward Dr End	31.875 Low
Archibald	Hyde	N Willard	31.5 Low
Wells	Home Av	340 Wells	30 Low
Pine	Ferguson Av	Flynn Av	30 Low
Shelburne Rd	Locust	S Union	30 Low
Bank	Church	Center	30 Low
King	Browns Ct	Church	30 Low
S Union	Spruce	Kingsland Terr	30 Low
Pearl	Pine	St Paul	30 Low
Grant	Clarke	N Winooski Av	30 Low
Intervale Av	Luck	Oak	30 Low
Oak	Intervale Av	St Marys	30 Low
St Marys	Luck	Oak	30 Low
Poplar	N Champlain	20 Poplar	30 Low
Allen	Murray	Elmwood Av	30 Low
School	Loomis	North St	30 Low
N Winooski Av	Archibald	Riverside Av	30 Low
N Willard	Brookes Av	Loomis	30 Low
Colchester Av	University Pl	Across Mansfield Av	30 Low
Poirier Pl	North Av	23 Poirier Pl	30 Low
Dale Rd	Brierwood Ln	Across 85 Dale Rd	30 Low
Plattsburg Av	Barley Rd	North Av	30 Low
North Av	1199 North Av	Leddy Pk Rd	29.625 Low
Dale Rd	Wildwood Dr	Shore Rd	29.625 Low
Nottingham Ln	Westminster Dr	Muirfield Rd	29.375 Low
Pomeroy	32 Pomeroy St	N Willard	29.25 Low
Austin Dr	S Cove Rd	S Cove Rd	28.125 Low
Westminster Dr	Appletree Pt Rd	Nottingham Ln	28.125 Low
Alexis Dr	Stirling Pl	Appletree Pt Rd	28.125 Low
Ledge Rd	Across Hillcrest Rd	Edgewood Ln	27.75 Low
Hillside Terr	Hildred Dr	Riverside Av	27.75 Low
Appletree Pt Rd	Staniford Rd	Cumberland Rd	27.75 Low
Buell	S Willard	Hungerford Terr	26.25 Low
Pearl	N Williams	N Willard	26.25 Low

Appletree Pt Rd	Westminster Dr	Nottingham Ln	26.125 Low
Birchcliff Pkwy	Alder Ln	Bittersweet Ln	25.875 Low
N Champlain	Manhattan Dr	Poplar	25.875 Low
North Av	Shore Rd	1199 North Av	25.875 Low
Fern	Ivy Ln	Shore Rd	25.875 Low
Rivermount Terr	Van Patten Pkwy	141 Rivermount Terr	25.875 Low
Austin Dr	S Cove Rd	Dunder Rd	25.25 Low
Flynn Av	Across Oak Beach Dr	Oakledge Pk	24 Low
High Grove Ct	North St	High Grove Ct End	24 Low
Strong	Pitkin	Blodgett	24 Low
Wing	25 Wing	15 Wing	24 Low
Appletree Pt Rd	Muirfield Rd	Westminster Dr	23.125 Low
Pine	College	Main	22.5 Low
Main	Battery	S Champlain	22.5 Low
Mansfield Av	Wilson	Loomis	22.5 Low
Flynn Av	Shelburne Rd	Flynn Av	20.625 Low
S Winooski Av	Adams	Elm Terr	20.625 Low
S Willard	Cliff	Bayview	20.625 Low
Loomis	N Willard	Booth	20.625 Low
N Winooski Av	Grant	North St	20.625 Low
Ferguson Av	Richardson	Wells	18.75 Low
Maple	Battery	S Champlain	18.75 Low
St Paul	Main	College	18.75 Low
St Paul	Main	Across St Paul	18.75 Low
St Paul	Kilburn	Pine Pl	18.75 Low
Main	111 Main	St Paul	18.75 Low
S Willard	College	Main	18.75 Low
Pearl	S Williams	S Prospect	18.75 Low
Pearl	N Prospect	Handy Ct	18.75 Low
Cedar	N Champlain	Rose	18.75 Low
Colchester Av	N Prospect	University Pl	18.75 Low
Main	University Pl	S Prospect	18.75 Low
Glenwood Ln	Shore Rd	Wildwood Dr	18.75 Low
Flynn Av	Richardson	Wells	16.875 Low

Pine	Flynn Av	Ferguson Av	16.875 Low
Flynn Av	326 Flynn Av	Pine	16.875 Low
Oak Beach Dr	Flynn Av	Southwind Dr	16.875 Low
Pine	Across Lakeside Av	Locust	16.875 Low
Central Av	Central Av	Wright Av	16.875 Low
Shelburne Rd	Hoover	Adams Ct	16.875 Low
S Union	Shelburne Rd	Beech	16.875 Low
Pearl	S Winooski Av	Orchard Terr	16.875 Low
Pearl	Orchard Terr	S Union	16.875 Low
Manhattan Dr	St Louis	St Marys	16.875 Low
Park	Monroe	Sherman	16.875 Low
School	North St	Hyde	16.875 Low
North St	Pitkin	Blodgett	16.875 Low
North St	Front	Park	16.875 Low
Archibald	Walnut	Intervale Av	16.875 Low
Archibald	Across Germain St	N Willard	16.875 Low
Archibald	Bright	Intervale Av	16.875 Low
ELMWOOD AV	Cedar	North St	16.875 Low
N Prospect	North St	Prospect Hill	16.875 Low
Lakeview Terr	Across 9 Lakeview Terr	Haswell	16.875 Low
North Av	Tracy Dr	Loaldo Dr	16.875 Low
North Av	Leddy Pk Rd	Leonard	16.875 Low
North Av	Leonard	Lakewood Pkwy	16.875 Low
Meridian	Sky Dr	Sunset Dr	16.875 Low
Sunset Dr	Sky Dr	Venus Av	16.875 Low
Sunset Dr	Venus Av	Valade Pk	16.875 Low
Borestone Ln	18 Borestone Ln	24 Borestone Ln	16.875 Low
North Av	Browe Ct	Starr Farm Rd	16.875 Low
North Av	Starr Farm Rd	West Rd	16.875 Low
Starr Farm Rd	Pleasant Av	Pleasant Av	16.875 Low
Drew	Ward	Strong	16.5 Low
Richardson	Ferguson Av	Flynn Av	15 Low
Ferguson Av	Pine	Richardson	15 Low
Pine	Ferguson Av	Lyman Av	15 Low

Flynn Av	Pine	Richardson	15 Low
Conger Av	Lakeside Av	Wright Av	15 Low
Central Av	Wright Av	Harrison Av	15 Low
Harrison Av	Harrison Av End	Conger Av	15 Low
St Paul	161 St Paul	King	15 Low
St Paul	Pearl	Cherry	15 Low
Church	1 Church	Pearl	15 Low
Pearl	Church	S Winooski Av	15 Low
Pearl	S Union	Lafayette Pl	15 Low
Pearl	N Winooski Av	Clarke	15 Low
Grant	Elmwood Av	Clarke	15 Low
Pearl	Clarke	Elmwood Av	15 Low
Luck	St Louis	St Marys	15 Low
Oak	St Marys	St Louis	15 Low
St Louis	Luck	Manhattan Dr	15 Low
Monroe	George	Johnson	15 Low
Allen	Elmwood Av	Murray	15 Low
Loomis	N Union	Greene	15 Low
North St	N Winooski Av	N Union	15 Low
North St	School	Hyde	15 Low
Washington	Manhattan Dr	Convent Sq	15 Low
Cedar	Rose	N Champlain	15 Low
Archibald	Spring	Walnut	15 Low
Archibald	Intervale Av	St Louis	15 Low
Archibald	Walnut	Spring	15 Low
N Prospect	Colonial Sq	Colonial Sq	15 Low
Colchester Av	Mill	City Limit	15 Low
Lakeview Terr	Lakeview Terr	North Av	15 Low
Strong	Blodgett	Drew	15 Low
North Av	Route 127	Saratoga Av	15 Low
North Av	Village Green	Ethan Allen Pkwy	15 Low
North Av	Poirier Pl	Heineberg Rd	15 Low
North Av	Heineberg Rd	Gosse Ct	15 Low
York Dr	Oakland Terr	Western Av	15 Low

Lakewood Pkwy	Tallwood Ln	Birchwood Ln	15 Low
Muirfield Rd	Edinburgh Dr	Nottingham Ln	15 Low
Ethan Allen Pkwy	Farrington Pkwy	Sandy Ln	15 Low
Gazo Av	Sandra Cir	Sandra Cir	15 Low
Venus Av	Meridian	Venus Av End	15 Low
Village Green	North Av	End of Sidewalk on Village Green	15 Low
Barley Rd	North Av	Turf Rd	15 Low
Turf Rd	Plattsburg Av	Clover Ln	15 Low
Curtis Av	130 Curtis Av	106 Curtis Av	15 Low
St Paul	Pine Pl	Marble Av	9.375 Low
Browns Ct	Browns Ct End	King	9.375 Low
North St	Blodgett	Drew	9.375 Low
North Av	Strong	Ward	7.5 Low
Nottingham Ln	Muirfield Rd	Nottingham Ln End	7.5 Low
Pleasant Av	Starr Farm Rd	11 Pleasant Av	7.5 Low

FACILITY CONDITION ASSESSMENT AND LEVEL I ENERGY AUDIT

CITY OF BURLINGTON

645 Pine Street
Burlington, Vermont 05402
Martha Keenan



FACILITY CONDITION ASSESSMENT AND LEVEL I ENERGY AUDIT

of

FIRE STATION #5

23 Ferguson Avenue
Burlington, Vermont 05401

PREPARED BY:

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Hunt Valley, Maryland 21031
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Senior Engineering Consultant
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bbyers@emgcorp.com

EMG Project #: 110226.14R-005.294
Date of Report: February 27, 2015
On site Date: September 24, 2014

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ENGINEERING PEACE OF MIND

Immediate Repairs Report
Fire Station #5
2/27/2015

Report Section	ID	Cost Description	Quantity	Unit	Unit Cost	Subtotal	Deficiency Repair Estimate *
5.2	293579	Concrete pavement replace	1961	SF	\$8.09	\$15,864	\$15,864
5.2	293568	Grind Down Concrete	2	EA	\$1,500.00	\$3,000	\$3,000
Immediate Repairs Total							\$18,864

* Location Factor (1.0) included in totals.

Replacement Reserves Report																														
Fire Station #5																														
2/27/2015																														
Report Section	ID	Cost Description	Lifespan (EUL)	EAge	RUL	Quantity	Unit	Unit Cost	Subtotal	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	Deficiency Repair Estimate
5.2	293579	G2012 Concrete pavement replace	30	30	0	1961	SF	\$8.09	\$15,864	\$15,864																			\$15,864	
5.2	293568	G2013 Grind Down Concrete	25	25	0	2	EA	\$1,500.00	\$3,000	\$3,000																			\$3,000	
5.2	293572	G2022 Crack sealing and seal coating of the asphalt	5	2	3	427	SY	\$3.56	\$1,520				\$1,520					\$1,520					\$1,520				\$1,520		\$6,080	
6.4	293564	B2011 General painting cost per SF, minor prep work, single story bldg. (up to 15 feet)	10	9	1	1600	SF	\$2.42	\$3,872		\$3,872										\$3,872								\$7,744	
6.4	293571	B2011 Pressure wash existing masonry	10	9	1	3200	SF	\$1.74	\$5,568		\$5,568										\$5,568								\$11,136	
6.4	293570	B2011 Caulking, expansion joints,1"x1/2", remove and replace	15	6	9	270	LF	\$6.31	\$1,704										\$1,704										\$1,704	
6.5	293566	G2014 Guard rail-metal-paint	10	6	4	65	LF	\$8.00	\$520					\$520										\$520					\$1,040	
6.6	293563	B2011 Scrape and paint exterior metal	7	2	5	375	SF	\$1.56	\$585						\$585							\$585						\$585	\$1,755	
6.6	293560	B2021 Aluminum window replacement, 2-0 x 4-0, operable	25	19	6	28	Each	\$576.00	\$16,128							\$16,128													\$16,128	
7.1	293389	D3041 Replace fan coil unit 5 ton	15	4	11	1	EA	\$3,895.00	\$3,895												\$3,895								\$3,895	
7.1	293396	D3041 Ductless split system heat pump, wall or ceiling mount, 3/4 to 1-ton	15	6	9	1	EA	\$2,146.00	\$2,146										\$2,146										\$2,146	
7.1	314965	D3042 Exhaust fan, utility set, corrosive fume resistant, 1200 to 2180 CFM	15	6	9	1	EA	\$2,855.00	\$2,855										\$2,855										\$2,855	
7.1	293416	D3044 Replace water source unit heater with fan 62.5 MBH	30	23	7	1	EA	\$848.00	\$848								\$848												\$848	
7.1	314954	D3044 Replace In-Line Centrifugal Hydronic Pump, 1/4 to 1/3 HP, Cast Iron, Flanged	15	7	8	1	EA	\$1,366.00	\$1,366									\$1,366											\$1,366	
7.1	314930	D3044 Replace water source unit heater with fan 62.5 MBH	30	23	7	2	EA	\$848.00	\$1,696								\$1,696												\$1,696	
7.1	314955	D3044 Replace In-Line Centrifugal Hydronic Pump, 1/4 to 1/3 HP, Cast Iron, Flanged	15	7	8	1	EA	\$1,366.00	\$1,366									\$1,366											\$1,366	
7.1	314956	D3052 Pad-Mounted Condenser 5-ton	15	4	11	1	EA	\$4,691.00	\$4,691												\$4,691								\$4,691	
7.2	314929	D2023 Water heater, Indirect fired, 45 to 55 gallons	20	3	17	1	EA	\$3,197.00	\$3,197																	\$3,197			\$3,197	
7.4	293419	D5092 Generator, Natural Gas, 20 to 40 kW, replace	25	23	2	1	Each	\$20,670.00	\$20,670			\$20,670																	\$20,670	
8.1	293576	B2011 General painting cost per SF, minor prep work, single story bldg. (up to 15 feet)	10	6	4	3600	SF	\$2.42	\$8,712					\$8,712										\$8,712					\$17,424	
8.1	293569	B2031A Refinish glazed wood doors	4	2	2	16	EA	\$112.00	\$1,792			\$1,792				\$1,792				\$1,792				\$1,792			\$1,792		\$8,960	
8.1	293567	C3024 Rubber flooring, special colors	18	6	12	100	SF	\$14.98	\$1,498													\$1,498							\$1,498	
8.1	293559	C3024 Replace Vinyl tile	18	11	7	210	SY	\$67.75	\$14,228								\$14,228												\$14,228	
8.1	293574	C3025 Replace carpet, standard commercial, medium traffic	8	6	2	8	SY	\$59.90	\$479			\$479								\$479							\$479		\$1,438	
8.1	293575	E1093A Casework, base cabinets, kitchen, stainless steel counter top	20	15	5	15	LF Front	\$168.88	\$2,533						\$2,533														\$2,533	
8.2	293580	E1094 Dishwasher	10	6	4	1	EA	\$880.00	\$880					\$880										\$880					\$1,760	
8.2	293577	E1094 Range, replace	20	11	9	1	EA	\$630.50	\$631										\$631										\$631	
8.2	293561	E1094 Refrigerator	15	11	4	1	EA	\$676.90	\$677					\$677														\$677	\$1,354	
Totals, Unescalated										\$18,864	\$9,440	\$22,941	\$1,520	\$10,789	\$3,118	\$17,920	\$16,772	\$4,252	\$7,335	\$2,271	\$18,026	\$2,083	\$1,520	\$11,904	\$0	\$0	\$3,197	\$3,791	\$1,262	\$157,006
Location Factor (1.00)										\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Totals, Escalated (3.0% inflation, compounded annually)										\$18,864	\$9,723	\$24,338	\$1,661	\$12,143	\$3,615	\$21,397	\$20,627	\$5,386	\$9,571	\$3,052	\$24,952	\$2,970	\$2,232	\$18,006	\$0	\$0	\$5,284	\$6,454	\$2,213	\$192,490

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CERTIFICATION

The City of Burlington, Vermont retained EMG to perform this Facility Condition Assessment and Level I Energy Audit in connection with its Fire Station #5, 23 Ferguson Avenue, Burlington, Vermont, the "Property". It is our understanding that the primary interest of The City of Burlington, Vermont is to locate and evaluate materials and building system defects that might significantly affect the value of the property and to determine if the present Property has conditions that will have a significant impact on its continued operations.

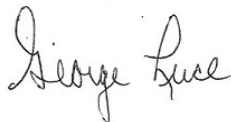
The conclusions and recommendations presented in this report are based on the brief review of the plans and records made available to our Project Manager(s) during the site visit, interviews of available property management personnel and maintenance contractors familiar with the Property, appropriate inquiry of municipal authorities, our Project Manager's walk-through observations during the site visit, and our experience with similar properties.

No testing, exploratory probing, dismantling or operating of equipment or in depth studies were performed unless specifically required under Section 2 of this report. This assessment did not include engineering calculations to determine the adequacy of the Property's original design or existing systems. Although walk-through observations were performed, not all areas were observed (See Section 4.2 for areas observed). There may be defects in the Property, which were in areas not observed or readily accessible, may not have been visible, or were not disclosed by management personnel when questioned. The report describes property conditions at the time that the observations and research were conducted.

Any reuse or distribution of this report without such consent shall be at The City of Burlington, Vermont and the recipient's sole risk, without liability to EMG.

Prepared by: Scott Lattimer, PE, Project Manager
Cheyenne Irby, AIA assoc., Project Manager

Reviewed by:



George Luce, Technical Report Reviewer for:
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1. EXECUTIVE SUMMARY

1.1. PROPERTY INFORMATION AND GENERAL PHYSICAL CONDITION

The property information is summarized in the table below. More detailed descriptions may be found in the various sections of the report and in the Appendices.

Property Information	
Address:	23 Ferguson Avenue, Burlington, Vermont 05401
Year constructed:	1991
Current owner of property:	City of Burlington, Vermont
Management Point of Contact:	City of Burlington, Martha Keenan, Capital Improvement Program Manager 802.540.0701 phone
Property type:	Fire station
Site area:	0.4 Acres
Gross floor area:	7,328 Square Feet
Number of buildings:	1
Number of stories:	2
Parking type and number of spaces:	4 spaces in open lots
Building construction:	Masonry bearing walls and wood-framed roofs
Roof construction:	Combination hipped roofs with asphalt shingles
Exterior Finishes:	Brick and concrete panel veneer
Heating and/or Air-conditioning:	Split system fan coil unit with hot water heat and pad-mounted condensers
Fire and Life/Safety:	Fire sprinklers, hydrants, smoke detectors, alarms, extinguishers, and strobes
Dates of visit:	September 24, 2014
Point of Contact (POC):	Martha Keenan
Assessment and Report Prepared by:	Scott Lattimer and Cheyenne Irby
Reviewed by:	George Luce Technical Report Reviewer gluce@emgcorp.com 800.733.0660 x6261

Generally, the property appears to have been constructed within industry standards in force at the time of construction. The property appears to have been well maintained in recent years and is in good to fair overall condition.

According to property management personnel, the property has had an active capital improvement expenditure program over the past three years, primarily consisting of HVAC upgrades. The work was evident during the site visit.

Summary of Energy Audit:

EMG has conducted an Energy Audit on Fire Station #5. The study included a review of the building's construction features, historical energy and water consumption and costs, review of the building envelope, HVAC equipment, heat distribution systems, lighting, and the building's operational and maintenance practices.

EMG has identified 8 Energy Conservation Measures (ECMs) for this property. The savings for each measure are calculated using standard engineering methods followed in the industry, and detailed calculations for ECM are provided in Appendix H for reference. A 10% discount in energy savings was applied to account for the interactive effects amongst the ECMs. In addition to the consideration of the interactive effects, EMG has applied a 15% contingency to the implementation costs to account for potential cost overruns during the implementation of the ECMs.

Summary of Financial Information for Recommended Energy Conservation Measures

Item	Estimate
Total Projected Initial ECM Investment	\$ 36,199 <i>(In Current Dollars)</i>
Estimated Annual Cost Savings Related to ECMs	\$ 3,311 <i>(In Current Dollars)</i>
Net Effective ECM Payback	10.93 years
Estimated Annual Energy Savings	36.21%
Estimated Annual Cost Savings	25.37%

1.2. SPECIAL ISSUES AND FOLLOW-UP RECOMMENDATIONS

As part of the FCA, a limited assessment of accessible areas of the building(s) was performed to determine the presence of mold, conditions conducive to mold growth, and/or evidence of moisture. Property personnel were interviewed concerning any known or suspected mold, elevated relative humidity, water intrusion, or mildew-like odors. Sampling is not a part of this assessment.

There are no visual indications of the presence of mold growth, conditions conducive to mold growth, or evidence of moisture in representative readily accessible areas of the property.

The following issues should be considered:

- Verify that all warranties are transferable.
- Verify that any alterations, installations, or other improvements since the project was first constructed and occupied have been properly permitted and approved by municipal agencies.
- Verify that no defective materials or equipment are used at the property.

Copies of the documents listed below should be obtained:

- All roof, equipment and system warranties/guarantees and transfers. Manufacturers often levy a warranty transfer fee and require that the equipment or system be in pristine condition in order to provide such transfers. This requirement often necessitates upgrades, repairs, or servicing.
- All available site and building construction drawings and specifications.
- All government documents such as Certificates of Occupancy, permits, zoning variances, easements, tax receipts, and other pertinent records.

1.3. OPINIONS OF PROBABLE COST

Cost estimates are attached at the front of this report (following the cover page).

These estimates are based on Invoice or Bid Document/s provided either by the Owner/facility and construction costs developed by construction resources such as *R.S. Means* and *Marshall & Swift*, EMG's experience with past costs for similar properties, city cost indexes, and assumptions regarding future economic conditions.

Opinions of probable costs should only be construed as preliminary, order of magnitude budgets. Actual costs most probably will vary from the consultant's opinions of probable costs depending on such matters as type and design of suggested remedy, quality of materials and installation, manufacturer and type of equipment or system selected, field conditions, whether a physical deficiency is repaired or replaced in whole, phasing of the work (if applicable), quality of contractor, quality of project management exercised, market conditions, and whether competitive pricing is solicited, etc. ASTM E2018-08 recognizes that certain opinions of probable costs cannot be developed within the scope of this guide without further study. Opinions of probable cost for further study should be included in the PCR.

1.3.1. Methodology

Physical Needs Assessment:

Based upon site observations, research, and judgment, along with referencing Expected Useful Life (EUL) tables from various industry sources, EMG opines as to when a system or component will most probably necessitate replacement. Accurate historical replacement records, if provided, are typically the best source of information. Exposure to the elements, initial quality and installation, extent of use, the quality and amount of preventive maintenance exercised, etc., are all factors that impact the effective age of a system or component. As a result, a system or component may have an effective age that is greater or less than its actual chronological age. The Remaining Useful Life (RUL) of a component or system equals the EUL less its effective age. Projections of Remaining Useful Life (RUL) are based on continued use of the Property similar to the reported past use. Significant changes in tenants and/or usage may affect the service life of some systems or components.

Where quantities could not be derived from an actual take-off, lump sum costs or allowances are used. Estimated costs are based on professional judgment and the probable or actual extent of the observed defect, inclusive of the cost to design, procure, construct and manage the corrections.

The evaluation period identified in this report is defined as 20 years.

The physical condition of building component to be repaired is typically defined as being in one of five categories: Priority One through Five. For the purposes of this report, the following definitions are used:

Priority One - These items are to be addressed as Immediate. Items in this category require immediate action and include corrective measures to:

1. Correct life safety and/or code hazards
2. Repair item permitting water leaks into the building or structure
3. Repair mold or mildew conditions
4. Down unit repairs
5. Further study investigations

Priority Two - These items are to be addressed within the next 1 year. Items in this category require corrective measures to:

1. Return a system to normal operation
2. Stop deterioration to other systems
3. Stop accelerated deterioration

4. Replace items that have reached or exceeded their useful service life
5. ADA/UFAS deficiencies

Priority Three - These items are to be addressed within the next 2-3 years. Items in this category, if not corrected expeditiously, will become critical in the next several years. Items in this category include corrective measures to:

1. Stop intermittent interruptions
2. Correct rapid deterioration
3. Replace items that will reach or exceed their useful service life
4. Correct functionality and/or aesthetic issues that are not critical

Priority Four - These items are to be addressed within the next 3-5 years. Items in this category include conditions requiring appropriate attention to preclude predictable deterioration or potential downtime and the associated damage or higher costs if deferred further.

Priority Five - These items are to be addressed within 6-20 years. Items in this category represent a sensible improvement to the existing conditions. These are not required for the most basic function of the facility; however, Priority 5 projects will improve overall usability and/or reduce long-term maintenance costs.

Energy Audit:

All the ECMs are broken into two major categories:

1. **No/Low Cost Recommendations:** No/Low cost is defined as any project with initial investment of less than \$1000
2. **Capital Cost Recommendations:** Capital cost defined as any project with initial investment greater than \$1000

EMG screens ECMs based on the payback criteria.

Simple Payback Period – The number of years required for the cumulative value of energy or water cost savings less future non-fuel or non-water costs to equal the investment costs of the building energy or water system, without consideration of discount rates. ECMs with a payback period greater than the Expected Useful Life (EUL) of the project are not typically recommended, as the cost of the project will not be recovered during the lifespan of the equipment. These ECMs are recommended for implementation during future system replacement. At that time, replacement may be evaluated based on the premium cost of installing energy efficient equipment.

$$\text{Simple Payback} = \frac{\text{Initial Cost}}{\text{Annual Savings}}$$

1.3.2. Immediate Repairs and Short Term Costs

Immediate repairs are opinions of probable costs that require immediate action as a result of: (1) material existing or potential unsafe conditions, (2) material building or fire code violations, or (3) conditions that, if not addressed, have the potential to result in, or contribute to, critical element or system failure within one year or will most probably result in a significant escalation of its remedial cost.

Short term costs are opinions of probable costs to remedy physical deficiencies, such as deferred maintenance, that may not warrant immediate attention, but that require repairs or replacements, which should be undertaken on a priority basis in addition to routine preventive maintenance. Opinions of probable costs may include costs for testing, exploratory probing, and further analysis should this be deemed warranted by the consultant. The performance of such additional services is beyond the FCA scope of work. Generally, the time frame for such repairs is within one to two years. Short Term costs are included in the Replacement Reserves Report.

1.3.3. Replacement Reserves

Replacement Reserves are for recurring probable expenditures, which are not classified as operation or maintenance expenses. The replacement reserves should be budgeted for in advance on an annual basis. Replacement Reserves are reasonably predictable both in terms of frequency and cost. However, Replacement Reserves may also include components or systems that have an indeterminable life but, nonetheless, have a potential for failure within an estimated time period.

Replacement Reserves exclude systems or components that are estimated to expire after the reserve term and are not considered material to the structural and mechanical integrity of the subject property. Furthermore, systems and components that are not deemed to have a material effect on the use of the Property are also excluded. Costs that are caused by acts of God, accidents, or other occurrences that are typically covered by insurance, rather than reserved for, are also excluded.

Replacement costs are solicited from ownership/property management, EMG's discussions with service companies, manufacturers' representatives, and previous experience in preparing such schedules for other similar facilities. Costs for work performed by the ownership's or property management's maintenance staff are also considered.

EMG's reserve methodology involves identification and quantification of those systems or components requiring capital reserve funds within the assessment period. The assessment period is defined as the effective age plus the reserve term. Additional information concerning system's or component's respective replacement costs (in today's dollars), typical expected useful lives, and remaining useful lives were estimated so that a funding schedule could be prepared. The Replacement Reserves Schedule presupposes that all required remedial work has been performed or that monies for remediation have been budgeted for items defined in the Immediate Repairs Report.

2. PURPOSE AND SCOPE

2.1. PURPOSE

EMG was retained by the client to render an opinion as to the Property's current general physical condition on the day of the site visit.

Based on the observations, interviews and document review outlined below, this report identifies significant deferred maintenance issues, existing deficiencies, and material code violations of record at municipal offices that affect the Property's use. Opinions are rendered as to its structural integrity, building system condition and the Property's overall condition. The report also notes building systems or components that have realized or exceeded their typical expected useful lives.

The physical condition of building components is typically defined as being in one of three categories: Good, Fair, and Poor. For the purposes of this report, the following definitions are used:

- Good = Satisfactory as-is. Requires only routine maintenance during the assessment period. Repair or replacement may be required due to a system's estimated useful life.
- Fair = Satisfactory as-is. Repair or replacement is required due to current physical condition and/or estimated remaining useful life.
- Poor = Immediate repair, replacement, or significant maintenance is required.

2.2. SCOPE

The standard scope of the Facility Condition Assessment includes the following:

- Visit the Property to evaluate the general condition of the building and site improvements, review available construction documents in order to familiarize ourselves with, and be able to comment on, the in-place construction systems, life safety, mechanical, electrical, and plumbing systems, and the general built environment.
- Identify those components that are exhibiting deferred maintenance issues and provide cost estimates for Immediate, Short Term, and Replacement Reserves based on observed conditions, maintenance history and industry standard useful life estimates. This will include the review of documented capital improvements completed within the last five-year period and work currently contracted for, if applicable.
- Provide a full description of the Property with descriptions of in-place systems and commentary on observed conditions.
- Provide a general statement of the subject Property's compliance to National Building Code Accessibility standards. This will not constitute a full survey, but will help identify exposure to issues and the need for further review.
- Perform a limited assessment of accessible areas of the building(s) for the presence of mold, conditions conducive to mold growth, and/or evidence of moisture. EMG will also interview Project personnel regarding the presence of any known or suspected mold, elevated relative humidity, water intrusion, or mildew-like odors. Potentially affected areas will be photographed. Sampling will not be considered in routine assessments.
- List the current utility service providers.
- Review maintenance records and procedures with the in-place maintenance personnel.

- Observe a representative sample of the interior tenant spaces/units, including vacant spaces/units, in order to gain a clear understanding of the property's overall condition. Other areas to be observed include the exterior of the property, the roofs, interior common areas, and mechanical, electrical and elevator equipment rooms.
- Appropriate inquiries of municipal officials regarding the existence of pending unresolved building or fire code violations on file, and a determination of the current zoning category, flood hazard area, and seismic zone for the Property.
- Provide recommendations for additional studies, if required, with related budgetary information.
- Tenant responsibility for maintenance, repair or replacement of finishes, fixtures, or equipment is not addressed by this scope of services.
- Provide an Executive Summary at the beginning of this report with cost estimates as a quick, user-friendly summary of the Property's condition and the assigned costs by category. These costs are tied to the report sections where reference to the issues are clearly defined and expanded.

2.3. PERSONNEL INTERVIEWED

The following personnel from the facility and government agencies were interviewed in the process of conducting the FCA:

Name and Title	Organization	Phone Number
Martha Keenan Capital Improvement Program Manager	City of Burlington	802.540.0701
Sybil Thomas Burlington Code Enforcement Department	Burlington Code Enforcement Office	802.863.0442
Nic Anderson Planning and Zoning Clerk	Burlington Planning Department	802.865.7188
Meghan Sweeney Administrative Assistant	Burlington Fire Department	802.865.5387
Martha Keenan Capital Improvement Program Manager	City of Burlington	802.540.0701

The FCA was performed with the assistance of Martha Keenan, Capital Improvement Program Manager, City of Burlington, the on site Point of Contact (POC), who was cooperative and provided information that appeared to be accurate based upon subsequent site observations. The on site contact is completely knowledgeable about the subject property and answered most questions posed during the interview process. The POC's management involvement at the property has been for the past 7 months.

2.4. DOCUMENTATION REVIEWED

Prior to the FCA, relevant documentation was requested that could aid in the knowledge of the subject property's physical improvements, extent and type of use, and/or assist in identifying material discrepancies between reported information and observed conditions. The review of submitted documents does not include comment on the accuracy of such documents or their preparation, methodology, or protocol. The Documentation Request Form is provided in Appendix E.

Although Appendix E provides a summary of the documents requested or obtained, the following list provides more specific details about some of the documents that were reviewed or obtained during the site visit.

- Summary of recent capital improvements

2.5. PRE-SURVEY QUESTIONNAIRE

A Pre-Survey Questionnaire was sent to the Client's representative prior to the site visit. The questionnaire is included in Appendix E. Information obtained from the questionnaire has been used in preparation of this report.

2.6. WEATHER CONDITIONS

On the day of the site visit, September 24, 2014, the weather was clear, with temperatures in the 80s (°F) and light winds.

3. CODE INFORMATION AND ACCESSIBILITY

3.1. CODE INFORMATION, FLOOD ZONE AND SEISMIC ZONE

According to Sybil Thomas of the Burlington Code Enforcement Department, there are no outstanding building code violations on file. The Building Department does not have an annual inspection program. They only inspect new construction, work that requires a building permit, and citizen complaints. A copy of the original Certificates of Occupancy were requested but were not available.

Based on a review of the zoning classification information at the Burlington Planning and Zoning Department, the property is located within the downtown mixed use, zoning district and appears to be a conforming use.

According to Meghan Sweeney of the Burlington Fire Department, there are no major outstanding fire code violations on file. The most recent inspection was conducted by the Fire Department within the current year.

According to information obtained from the appraisal, the property is not located in a flood hazard zone. FEMA flood map 50007C0254D of July 18, 2011 shows the site to be in Zone X.

According to the 1997 Uniform Building Code Seismic Zone Map of the United States, the property is located in Seismic Zone 2A, defined as an area of low to moderate probability of damaging ground motion.

According to the Wind Zone Map, published by the Federal Emergency Management Agency (FEMA), the property is located in Zone II and is not located in a Hurricane-Susceptible Region or Special Wind Region.

3.2. ADA ACCESSIBILITY

Generally, Title III of the Americans with Disabilities Act (ADA) prohibits discrimination by entities to access and use of "areas of public accommodations" and "commercial facilities" on the basis of disability. Regardless of its age, these areas and facilities must be maintained and operated to comply with the Americans with Disabilities Act Accessibility Guidelines (ADAAG).

Buildings completed and occupied after January 26, 1992 are required to comply fully with the ADAAG. Existing facilities constructed prior to this date are held to the lesser standard of compliance to the extent allowed by structural feasibility and the financial resources available. As an alternative, a reasonable accommodation pertaining to the deficiency must be made.

During the FCA, a limited visual observation for ADA accessibility compliance was conducted. The scope of the visual observation was limited to those areas set forth in *EMG's Abbreviated Accessibility Checklist* provided in Appendix D of this report. It is understood by the Client that the limited observations described herein does not comprise a full ADA Compliance Survey, and that such a survey is beyond the scope of EMG's undertaking. Only a representative sample of areas was observed and, other than as shown on the Abbreviated Accessibility Checklist, actual measurements were not taken to verify compliance. The scope of the visual observation did not include any areas within tenant spaces.

At a fire station property, there are no areas considered a public accommodation. The general public does not interact with the services offered at this facility.

The facility generally appears to be accessible as stated within the defined priorities of Title III of the Americans with Disabilities Act.

A full ADA Compliance Survey may reveal aspects of the property that are not in compliance.

4. EXISTING BUILDING ASSESSMENT

4.1. TENANT UNIT TYPES

All 7,328 square feet of the building is occupied by the Burlington Fire Department.

4.2. TENANT UNITS OBSERVED

Most of the building was observed in order to gain a clear understanding of the property's overall condition. Other areas accessed included the exterior of the property and the roof.

5. SITE IMPROVEMENTS

5.1. UTILITIES

The following table identifies the utility suppliers and the condition and adequacy of the services.

Site Utilities		
Utility	Supplier	Condition & Adequacy
Sanitary sewer	City of Burlington	Good
Storm sewer	City of Burlington	Good
Domestic water	City of Burlington	Good
Electric service	Burlington Electric Department	Good
Natural gas service	Vermont Gas Systems	Good

Observations/Comments:

- The utilities appear to be adequate for the property. There are no unique, on site utility systems such as, septic systems, water or waste water treatment plants, or propane gas tanks.

5.2. PARKING, PAVING, AND SIDEWALKS

The main entrance drive is located along Ferguson Avenue on the north side of the property. The parking area is paved with asphaltic concrete. The parking area is located at the rear of the building and is accessed via a service drive along the east side of the building.

Based on a physical count, parking is provided for 4 cars. The parking ratio is 1.8 spaces per thousand square feet of floor area. All the parking stalls are located in open lots.

The sidewalks throughout the property are constructed of cast-in-place concrete. There are localized areas of brick paving.

The curbs and gutters are constructed of cast-in-place concrete. Surface runoff is directed to swales along the landscaped areas, which border the paved areas.



Observations/Comments:

- The property does not have a dedicated paving repair and maintenance contractor. On site personnel maintain the paving and flatwork or a contractor is retained when required.
- Service drive and parking area - The asphalt pavement is in good to fair condition. There are no significant signs of cracks or surface deterioration. In order to maximize the pavement life, pothole patching, crack sealing, seal coating, and re-striping of the asphalt paving will be required during the assessment period. The cost of this work is included in the Replacement Reserves Report.

- Driveway for fire engines - The asphalt pavement is in poor condition. The weight of the fire engines has worn wheel treads into the asphalt pavement. Because of the weight of the fire engines it is recommended that the driveway be replaced with concrete paving similar to Central Fire Station. The cost of this work is included in the Replacement Reserves Report.
- The concrete pavement is in good to fair condition. There are no significant signs of cracks or surface deterioration. Epoxy sealing of minor cracks will be required during the assessment period as part of the property management's routine maintenance program. There are some localized areas where the concrete pavement has shifted and heaved up from the ground creating a tripping hazard. These areas of the sidewalk will require repair during the assessment period. The cost of this work is included in the Replacement Reserves Report.
- The concrete curbs throughout the property are in good condition. Routine cleaning and maintenance will be required during the assessment period.

5.3. DRAINAGE SYSTEMS AND EROSION CONTROL

Storm water from the roof and paved areas flows across the surface into the adjacent public street.

Observations/Comments:

- There is no evidence of storm water runoff from adjacent properties. The storm water system appears to provide adequate runoff capacity. There is no evidence of major ponding or erosion.

5.4. TOPOGRAPHY AND LANDSCAPING

The property slopes gently down from the east side of the property to the west property line.

The landscaping consists of trees, shrubs, and grasses.

Landscaped areas are irrigated as needed by hand.

Surrounding properties include residential developments.

Observations/Comments:

- The topography and adjacent uses do not appear to present conditions detrimental to the property.
- The landscape materials are in good condition and will require routine maintenance during the assessment period.



5.5. GENERAL SITE IMPROVEMENTS

Property identification is provided by a monument sign that is mounted to the exterior elevation of the building.

Site lighting is provided by metal street light standards along public streets.

Exterior building illumination is provided by light fixtures surface-mounted on the exterior walls. Recessed light fixtures are located in the exterior soffits.

A perimeter fence is located along the south property lines. The fence is constructed of painted wood boards and wood posts.



Observations/Comments:

- The property and tenant identification signs are in good condition. Routine maintenance will be required during the assessment period.
- The exterior site and building light fixtures are in good condition. Routine maintenance will be required during the assessment period.
- The site fencing is in good condition and will require routine maintenance during the assessment period. Painting is considered to be routine maintenance.

6. BUILDING ARCHITECTURAL AND STRUCTURAL SYSTEMS

6.1. FOUNDATIONS

Based on structures of similar size, configuration, and geographic location, it is assumed that the foundations consist of conventional reinforced concrete spread footings, which support wall and column loads.

Observations/Comments:

- The foundations and footings could not be directly observed during the site visit. There is no evidence of movement that would indicate excessive settlement.

6.2. SUPERSTRUCTURE

The building has concrete masonry unit (CMU) exterior bearing walls and interior steel columns, which support the upper floor and roof diaphragms. The upper floors are topped with light weight concrete. The roofs are sheathed with plywood over wood rafters and wood joists.

Observations/Comments:

- The superstructure is exposed in some locations, which allows for limited observation. Walls and floors appear to be plumb, level, and stable. There are no significant signs of deflection or movement.



6.3. ROOFING

The primary roof is a hipped roof. The roofs are finished with asphalt shingles over asphalt-saturated paper. The roofs have sheet metal flashing elements. The roofs are insulated with fiberglass batts.

The roofs drain over the eaves to paved and landscaped areas.

The attics are ventilated by soffit vents. Attic access is provided by a scuttle hole located in the upper floor common areas.



Observations/Comments:

- The property does not have a dedicated roof repair and maintenance contractor. On site personnel maintain the roofs or a contractor is retained when required.
- The roof finishes are original to the building.
- The roof membranes are in good to fair condition. Based on their estimated Remaining Useful Life (RUL), the roof membranes will require replacement during the assessment period. The cost of this work is included in the Replacement Reserves Report.
- There is no evidence of active roof leaks.
- There is no evidence of roof deck or insulation deterioration. The roof substrate and insulation should be inspected during any future roof repair or replacement work.
- There is no evidence of fire retardant treated plywood (FRT).
- The roof flashings are in fair condition. Some of the flashing, where the flat roof meets the wall of the main volume of the building has failed. There is evidence of water infiltration into the stairwell walls. The flashing will require replacement during the assessment period.
- Roof drainage appears to be adequate. Clearing and minor repair of drain system components should be performed regularly as part of the property management's routine maintenance program.
- The roof vents are in good condition and will require routine maintenance during the assessment period.
- There is no evidence of moisture, water intrusion, or excessive daylight in the attics. The insulation in the attics appears to be adequate.

6.4. EXTERIOR WALLS

The exterior walls are finished with brick masonry veneer and concrete veneer. The soffits are concealed and are finished with painted plywood.

Horizontal and vertical bands of sealant are installed at glazing joints, spandrel panel joints, and at joints between finish transitions.

Building sealants (caulking) are located between dissimilar materials, at joints, and around window and door openings.

*Observations/Comments:*

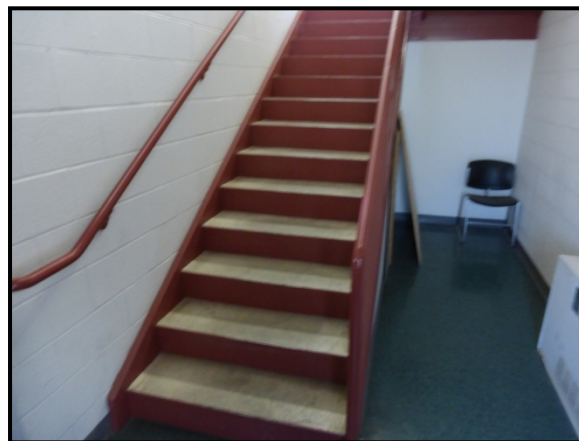
- The exterior finishes are in good condition. Painting and patching will be required during the assessment period. The cost of this work is included in the Replacement Reserves Report.
- The exterior walls of stained and weathered will require pressure washing during the assessment period. The cost of this work is included in the Replacement Reserves Report.
- The sealant is in good condition and will require replacement during the assessment period. The cost of this work is included in the Replacement Reserves Report.

6.5. EXTERIOR AND INTERIOR STAIRS

The interior stairs are constructed of steel with concrete filled steel pan treads. The handrails and balusters are constructed of metal.

Observations/Comments:

- The interior stairs, balusters, and handrails are in good condition and the handrails and balusters will require repainting during the assessment period. The cost of this work is included in the Replacement Reserves Report.



6.6. EXTERIOR WINDOWS AND DOORS

The windows are aluminum-framed, double-glazed hopper units.

The entrance door is a painted metal door with a glazed center panel set in a metal frame. The door has cylindrical locksets with knob handle hardware and keyed deadbolts.

The service doors are painted metal doors set in metal frames. The doors have cylindrical locksets with knob handle hardware.

A total of two overhead doors are located at the front of the building and provides access to the fire stations vehicle bays. The overhead doors are flush-paneled metal doors and are equipped with automatic openers.



Observations/Comments:

- There is no evidence of window leaks or window condensation. The windows are in good to fair condition and based on their estimated useful life, they will require replacement during the assessment period. The cost of this work is included in the Replacement Reserves Report.
- The exterior doors and door hardware are in good condition and will require repainting during the assessment period. The cost of this work is included in the Replacement Reserves Report.
- The overhead doors are in good condition and will require repainting during the assessment period. The cost of this work is included in the Replacement Reserves Report.

6.7. PATIO, TERRACE, AND BALCONY

Not applicable. There are no patios, terraces, or balconies.

6.8. COMMON AREAS, ENTRANCES, AND CORRIDORS

For interior finishes see Section 8.1

7. BUILDING MECHANICAL AND PLUMBING SYSTEMS

7.1. BUILDING HEATING, VENTILATING, AND AIR-CONDITIONING (HVAC)

Heating and cooling are provided in the building by a horizontally suspended direct expansion fan coil unit with hot water heat. The corresponding condensing unit has a capacity of four tons. The cooling equipment uses R-410A as a refrigerant.

Air distribution is provided to supply air registers by ducts concealed above the ceilings. Return air grilles are located in each space. The heating and cooling systems are controlled by local thermostats.

Hot water for the central heating system is supplied by one gas-fired, hot water boiler. The boiler has a rated input capacity of 155,000 BTUH and is located in the basement.



Circulating pumps provide hot water to each temperature-controlled space by a two-pipe distribution system. The hot water supplies the fan coil unit, baseboard heaters, and unit heaters.

The one-story portion of the building is heated by hot water baseboard heat and cooled by a ductless split air conditioner and is not supplied by the fan coil unit serving the main second floor living quarters.

The restrooms and other areas are ventilated by mechanical exhaust fans.

The garage equipment bay is equipped with a Plymovent mechanical ventilation system. The system consists of an exhaust fan and a network of sheet metal ducts. The fans are automatically controlled by carbon monoxide sensors.

Observations/Comments:

- The property does not have a dedicated HVAC repair and maintenance contractor. On site personnel maintain the HVAC equipment or a contractor is retained when required.
- Records of the installation, maintenance, upgrades, and replacement of the HVAC equipment have not been maintained since the property was first occupied.
- The HVAC equipment appears to vary in age. HVAC equipment is reportedly replaced on an "as-needed" basis.
- The common area HVAC equipment appears to be in good condition. Based on its estimated Remaining Useful Life (RUL), the fan coil unit will require replacement during the assessment period. The cost of this work is included in the Replacement Reserves Report.
- The boiler appears to be in good condition. Based on its estimated Remaining Useful Life (RUL), the boiler will require replacement during the assessment period. The cost of this work is included in the Replacement Reserves Report.
- The hot water unit heaters serving the garage equipment bay appear to be in good condition. Based on its estimated Remaining Useful Life (RUL), the hot water unit heaters will require replacement during the assessment period. The cost of this work is included in the Replacement Reserves Report.

- The ductless split air-conditioning unit appears to be in good condition. Based on its estimated Remaining Useful Life (RUL), the window air-conditioning unit will require replacement during the assessment period. The cost of this work is included in the Replacement Reserves Report.
- The mechanical ventilation system and equipment appear to be in good condition and will require routine maintenance during the assessment period. Equipment or component replacements can be performed as part of the property management's routine maintenance program.

7.2. BUILDING PLUMBING AND DOMESTIC HOT WATER

The plumbing systems include the incoming water service, the cold water piping system, and the sanitary sewer and vent system. The risers and the horizontal distribution piping are copper. The soil and vent systems are PVC and cast iron.

The water meter is located in the basement mechanical room.

Domestic hot water is supplied by the HVAC system's boiler. The central hot water system consists of a circulating pumps and a package 55-gallon insulated storage tank with built-in heat exchanger.

The common area restrooms have a combination of commercial grade fixtures and accessories including water closets and lavatories.



Observations/Comments:

- The plumbing systems appear to be well maintained and in good condition. The water pressure appears to be adequate. The plumbing systems will require routine maintenance during the assessment period.
- There is no evidence that the property uses polybutylene piping for the domestic water distribution system.
- The pressure and quantity of hot water appear to be adequate.
- The package hot water heat exchanger storage tank appears to be in good condition. Based on its estimated Remaining Useful Life (RUL), the storage tank will require replacement during the assessment period. The cost of this work is included in the Replacement Reserves Report.
- The circulation pumps appear to be in good condition. Based on their estimated Remaining Useful Life (RUL), the circulation pumps will require replacement during the assessment period. The cost of this work is included in the Replacement Reserves Report.
- The accessories and fixtures in the common area restrooms are in good condition and will require routine maintenance during the assessment period.

7.3. BUILDING GAS DISTRIBUTION

Gas service is supplied from the gas main on the adjacent public street. The gas meter and regulator are located along the exterior walls of the building. The gas distribution piping within the building is malleable steel (black iron).

Observations/Comments:

- The pressure and quantity of gas appear to be adequate.

- The gas meter and regulator appear to be in good condition and will require routine maintenance during the assessment period.
- Only limited observation of the gas distribution piping can be made due to hidden conditions. The gas piping appears to be in good condition.

7.4. BUILDING ELECTRICAL

The electrical supply lines run underground to pole-mounted transformer, which feed exterior-mounted electrical meters.

The main electrical service size is 200 amps, 120/240 volt single-phase three-wire alternating current (AC). The electrical wiring is copper, installed in metallic conduit. Circuit breaker panels are located throughout the building.



Observations/Comments:

- A natural gas-powered 10 KVA emergency electrical generator is located in the basement. The generator provides back-up power for elements of the fire and life safety systems and tenant-installed equipment.
- Observations/Comments:
- The on site electrical systems up to the meter are owned and maintained by the electric utility company.
 - The electrical service and capacity appear to be adequate for the property's demands.
 - The switchgear, circuit breaker panels, and electrical meters appear to be in good condition and will require routine maintenance during the assessment period.
 - The generator is in good condition and is reportedly tested on a weekly basis. The generator will require routine maintenance over the assessment period.

7.5. BUILDING ELEVATORS AND CONVEYING SYSTEMS

Not applicable. There are no elevators or conveying systems.

7.6. FIRE PROTECTION AND SECURITY SYSTEMS

The fire protection system consists of a wet-pipe sprinkler system, a wet standpipe with fire department hose valves and connections, portable fire extinguishers, smoke detectors, pull stations, and alarm horns. Siamese connections are located on the exterior of the building. Hard-wired smoke detectors are located throughout the common areas. The nearest fire hydrants are located along the public streets bordering the property.

Common areas and corridors are equipped with battery back-up exit lights, illuminated exit signs, pull stations, alarm horns, and strobe light alarms.

Fire sprinkler risers are located in the basement. The system is equipped with a back flow preventer.

A central fire alarm panel is located on the main level and monitors the pull stations, smoke detectors, and flow switches. The alarm panel also sounds the alarm and automatically notifies the monitoring service or the fire department in the event of trouble.

Interior fire exit stairwells are accessed from the corridors. The walls of the fire stairwells are exposed masonry. The stairs discharge at the ground floor, directly to the exterior of the building.



Observations/Comments:

- Information regarding the fire sprinkler inspection contractor was requested but was not provided by the maintenance personnel.
- Information regarding the fire alarm inspection contractor was requested but was not provided by the maintenance personnel.
- Information regarding fire department inspection information is included in Section 3.1.
- The fire sprinklers appear to be in good condition and are inspected by a qualified contractor on a routine basis. The fire sprinklers will require routine maintenance during the assessment period.
- The fire extinguishers are serviced annually and appear to be in good condition. The fire extinguishers were serviced and inspected within the last year.
- The pull stations and alarm horns appear to be in good condition and will require routine maintenance during the assessment period.
- Smoke detector replacement is considered to be routine maintenance.
- Exit sign and emergency light replacement is considered to be routine maintenance.
- The central alarm panel appears to be in good condition and is serviced regularly by a qualified fire equipment contractor. Equipment testing is not within the scope of a Facility Condition Assessment.
- The exit stairwells appear to be constructed in accordance with applicable codes in force at the time of construction.
- The stairwell doors and door hardware are fire-rated. Components bearing certification labels are displayed on the doors.

8. INTERIOR SPACES

8.1. INTERIOR FINISHES

The following table generally describes the interior finishes in tenant units:

Typical Tenant Unit Finishes			
Room	Floor	Walls	Ceiling
Vehicle bay	Concrete	Painted CMU	Unfinished concrete
Office	Vinyl tile	Painted CMU	Suspended T-bar system with acoustical tiles
Kitchen	Vinyl tile	Painted drywall	Suspended T-bar system with acoustical tiles
Dining room	Vinyl tile	Painted drywall	Suspended T-bar system with acoustical tiles
Corridor 1 st floor	Vinyl tile	Painted CMU	Suspended T-bar system with acoustical tiles
Corridor 2 nd floor	Vinyl tile	Painted drywall	Suspended T-bar system with acoustical tiles
1 st floor restroom	Vinyl tile	Painted drywall	Suspended T-bar system with acoustical tiles
2 nd floor restroom	Ceramic tile	Painted drywall	Suspended T-bar system with acoustical tiles
Common room	Carpet and Vinyl tile	Painted drywall	Painted drywall
Fire fighter sleeping quarters	Vinyl tile	Painted drywall	Suspended T-bar system with acoustical tiles
Gym 1 st Floor	Vinyl tile	Painted CMU	Suspended T-bar system with acoustical tiles
Gym 2 nd Floor	Rubber tiles	Painted CMU	Suspended T-bar system with acoustical tiles

The interior doors are stained hollow-core wood doors set in metal frames. The interior doors have cylindrical locksets with lever handle hardware.

Observations/Comments:

- The interior finishes are good to fair condition. Repainting and some of the interior finishes will require replacement during the assessment period. The cost of this work is included in the Replacement Reserves Report.



- The interior doors and door hardware are in good condition and will require refinishing during the assessment period during the assessment period. The cost of this work is included in the Replacement Reserves Report.

8.2. COMMERCIAL KITCHEN EQUIPMENT

The kitchen is equipped with residential kitchen appliances, fixtures, and equipment. The equipment is owned and maintained by the fire department.

The kitchen includes the following major appliances, fixtures, and equipment:



Appliance	Comment
Refrigerators	Up-right
Freezers	None
Ranges	Gas
Ovens	Gas
Griddles / Grills	None
Fryers	None
Hood	Exhaust ducted to exterior
Dishwasher	Yes
Microwave	Yes
Ice Machines	None
Steam tables	None
Work tables	None
Shelving	Acrylic laminate topped wood cabinets

Observations/Comments:

- The kitchen appliances appear to be in good condition. Based on their estimated Remaining Useful Life (RUL), the range refrigerator and dishwasher will require replacement during the assessment period. The cost of this work is included in the Replacement Reserves Report.
- The kitchen counter tops and cabinets are in good to fair condition and will require replacement during the assessment period. The cost of this work is included in the Replacement Reserves Report.

8.3. HVAC

Not applicable. See Section 7.1. for descriptions and comments regarding the HVAC systems.

8.4. PLUMBING

Not applicable. See Section 7.2. for descriptions and comments regarding the building plumbing systems.

8.5. ELECTRICAL

Not applicable. See Section 7.4. for descriptions and comments regarding the building electrical systems.

9. OTHER STRUCTURES

Not applicable. There are no major accessory structures.

10. ENERGY AUDIT - PURPOSE AND SCOPE

The purpose of this Energy Audit is to provide the City of Burlington with a baseline of energy usage, the relative energy efficiency of the facility, and specific recommendations for Energy Conservation Measures. Information obtained from these analyses may be used to support a future application to an Energy Conservation Program, Federal and Utility grants towards energy conservation, as well as support performance contracting.

The approach taken in this energy audit began with a benchmarking analysis of the building and associated building systems by:

1. Developing an energy baseline that becomes the basis for the energy savings plan and cost savings plan.
2. Gathering utility data for each building and benchmarking against models by square footage, by facility use and type of structure.

The energy audit consisted of an on site visual assessment to determine current conditions, itemize the energy consuming equipment (i.e. Boilers, split system cooling, DHW equipment); review lighting systems both exterior and interior; and review efficiency of all such equipment. The study also included interviews and consultation with operations and maintenance personnel.

11. FACILITY OVERVIEW AND EXISTING CONDITIONS

11.1. BUILDING OCCUPANCY

Typically, 2 - 15 people occupy the facility 24 hours.

Facility Occupancy (avg. people/day)	24
Standard Operating Hours/day	24
Maintenance/ Staff Hours/day	24

Summary of Facility Operating Hours

	Hours Open to the Public	Hours Open to Employees
Monday-Friday	-	24
Saturday	-	24
Sunday	-	24

11.2. BUILDING ENVELOPE

The building envelope consists of the exterior shell, made up of the walls, windows, roof, and floor. The envelope provides building integrity and separates the exterior from the interior conditioned space.

Foundation:

Based on structures of similar size, configuration, and geographic location, it is assumed that the foundations consist of cast-in-place concrete perimeter wall footings with concrete masonry foundation walls.

Structure:

The building has load-bearing, concrete masonry unit (CMU) exterior walls and interior steel columns. The upper floors and roofs are constructed with wood joists and are sheathed with plywood.

Exterior Walls:

The exterior walls are finished with a brick masonry veneer.

Roof:

The primary roofs are steeply sloped. The roofs are finished with asphalt shingles over asphalt-saturated paper.

Windows:

The windows are aluminum-framed, double-glazed hopper units.

Doors:

The entrance door is a painted metal door with a glazed center panel set in a metal frame. The door has cylindrical locksets with knob handle hardware and keyed deadbolts.

A total of two overhead doors are located at the front of the building and provides access to the fire stations vehicle bays. The overhead doors are flush-paneled metal doors and are equipped with automatic openers.

The glazing is single paned. Weather stripping was observed around the door openings. The weather stripping was observed to be in good condition. Caulking was observed at the perimeter of the door frames. The caulking was observed to be in good condition.

The service doors are painted metal doors set in metal frames. The doors have cylindrical locksets with knob handle hardware.

11.3. BUILDING HEATING, VENTILATION AND AIR-CONDITIONING (HVAC)

Heating:

The facility is heated by a central natural gas-fired hot water boiler. The boiler has a rated input capacity of 155,000 BTUH and is located in the basement.

Cooling:

The facility is cooled by a fan coil unit with remote air cooled condensing unit. The air cooled condensing unit has a nominal rating of 5 tons and uses R-134A as a refrigerant.

Air Distribution:

Circulating pumps provide hot water to each temperature-controlled space by a two-pipe distribution system. The hot water supplies the fan coil unit, baseboard heaters, and unit heaters.

Heating and cooling are provided in the common areas by horizontal fan coil unit equipped with DX cooling and hot water heating coils. The fan coil unit is located in a mechanical room located on the second floor and is supplied with heated water by the central system.

Air distribution is provided to supply air registers by ducts concealed above the ceilings. Return air grilles are located in adjacent to the fan coil unit. The heating and cooling system is controlled by local thermostats.

Space Ventilation:

The restrooms and other areas are ventilated by mechanical exhaust fans.

The garage equipment bay is equipped with a Plymovent mechanical ventilation system. The system consists of an exhaust fan and a network of sheet metal ducts. The fans are automatically controlled by carbon monoxide sensors.

11.4. BUILDING LIGHTING

Space Lighting:

The building has commercial grade tubular florescent lighting through the facility.

Lighting Controls:

The facility does not have any automatic lighting controls on internal light fixtures.

Exterior Lighting:

Utility-owned wood light poles along the street provide site lighting

Surface-mounted light fixtures on the exterior walls provide the exterior building with site illumination.

Exterior lighting remains on from dusk to dawn.

Emergency Lighting:

The building emergency light fixtures and "EXIT" fixtures are continuously energized. In the event of a power failure, the emergency battery in each fixture will be activated to power these fixtures. The EXIT signs in the facility consist of LED fixtures.

11.5. BUILDING ELEVATORS AND CONVEYING SYSTEMS

Not applicable. There are no elevators or conveying systems.

11.6. BUILDING DOMESTIC WATER

The water meter is located in the basement mechanical room.

The HVAC system's boiler supplies the domestic hot water. The central hot water system consists of a package heat exchanger with an 80-gallon insulated storage tank and circulating pumps.

The common area restrooms have a combination of commercial and residential grade fixtures and accessories, including water closets and lavatories. The toilets consist of water closets and flush valves. The typical flush volume was 3.5 GPF. The lavatories are equipped with aerators rated at 2.0 GPM. The lavatories are operated by manual controls. The shower heads have a rated capacity of 2.5 GPM.

11.7. BUILDING NATURAL GAS AND ELECTRICITY

Natural Gas:

The building is connected to the natural gas utility (Vermont Gas). The gas main on the adjacent public street supplies the natural gas service. The gas meter and regulator are located along the exterior walls of the building. The gas distribution piping within the building is malleable steel (black iron).

The facility is individually metered for natural gas.

Electricity:

The main electrical service size is 200 amps, 120/240-volt, single-phase, three-wire alternating current (AC). The electrical wiring is copper, installed in metallic conduit. Circuit breaker panels are located throughout the building.

The facility is individually metered for electricity.

Emergency Electricity Generator:

A natural gas-engine-driven 10 kVA emergency electrical generator is located in the basement mechanical room. The generator provides back-up power for elements of the fire and life safety systems and tenant-installed equipment.

12. ENERGY CONSERVATION MEASURES

EMG has identified 8 Energy Conservation Measures (ECMs) for this property.

List of Recommended Energy Conservation Measures For First Station #5												
ECM #	Description of ECM	Projected Initial Investment	Estimated Annual Energy Savings		Estimated Annual Water Savings	Estimated Cost Savings	Estimated Annual O&M Savings	Total Estimated Annual Cost Savings	Simple Payback	S.I.R.	Life Cycle Savings	Expected Useful Life (EUL)
			Natural Gas	Electricity								
		\$	Therms	kWh	kgal	\$	\$	\$	Years		\$	Years
No/Low Cost Recommendations												
1	Install Low Flow Faucet Aerators	\$156	51	0	11	\$136	\$0	\$136	1.15	7.40	\$1,001	10
	Details : In All Sink And Lavatory Faucets											
2	Control External Air Leakage In Commercial Buildings	\$745	320	237	0	\$442	\$22	\$464	1.61	5.31	\$3,211	10
	Details : Seal Penetrations And Joints											
3	Replace Existing Refrigerator(s) With Energy Star Certified Refrigerator(s)	\$611	0	821	0	\$138	\$0	\$138	4.44	2.69	\$1,034	15
	Details : Update Refrigerator In Kitchen											
4	Replace Existing Dishwashers With High Efficiency Dishwashers	\$500	12	203	1	\$58	\$0	\$58	8.67	0.98	-\$8	10
	Details : Use Energy Star Equipment											
Totals for No/Low Cost Items		\$2,013	383	1,261	12	\$773	\$22	\$795	2.53			
Capital Cost Recommendations												
1	Install Low Flow Restroom Flush Tank Toilets	\$3,245	0	0	70	\$460	\$0	\$460	7.06	2.11	\$3,597	20
	Details : Replace Existing With Energy Star											
2	Replace External Windows	\$15,400	1,069	974	0	\$1,506	\$15	\$1,521	10.12	1.94	\$14,419	30
	Details : Upgrade Windows To More Efficient Models											
3	Improve Attic Insulation Levels	\$8,370	544	403	0	\$751	\$8	\$759	11.03	2.33	\$11,151	50
	Details : Increase Insulation To R-49											
4	Replace Existing Washing Machines With Energy Star Certified Washing Machines	\$2,450	0	720	4	\$145	\$0	\$145	16.94	0.70	-\$724	15
	Details : In The Wash Area											
Total For Capital Cost		\$29,465	1,613	2,098	73	\$2,862	\$23	\$2,885	10.21			
	Interactive Savings Discount @ 10%		-200	-336	-9	-\$363	-\$4	-\$368				
	Total Contingency Expenses @ 15%	\$4,722										
Total for Improvements		\$36,199	1,797	3,023	77	\$3,271	\$40	\$3,311	10.93			

13. UTILITY ANALYSIS

Establishing the energy baseline begins with an analysis of the utility cost and consumption of the building. Utilizing the historical energy data and local weather information, we evaluate the existing utility consumption and assign it to the various end-uses throughout the buildings. The Historical Data Analysis breaks down utilities by consumption, cost and annual profile.

This data is analyzed, using standard engineering assumptions and practices. The analysis serves the following functions:

- Allows our engineers to benchmark the energy and water consumption of the facilities against consumption of efficient buildings of similar construction, use and occupancy.
- Generates the historical and current unit costs for energy and water
- Provides an indication of how well changes in energy consumption correlate to changes in weather.
- Reveals potential opportunities for energy consumption and/or cost reduction. For example, the analysis may indicate that there is excessive, simultaneous heating and cooling, which may mean that there is an opportunity to improve the control of the heating and cooling systems.

By performing this analysis and leveraging our experience, our engineers prioritize buildings and pinpoint systems for additional investigation during the site visit, thereby maximizing the benefit of their time spent on site and minimizing time and effort by the customer's personnel.

Based upon the utility information provided about the Fire Station #5, the following energy rates are utilized in determining existing and proposed energy costs.

Utility Rates used for Cost Analysis

Electricity (Blended Rate)	Natural Gas	Water / Sewer
\$0.17/kWh	\$1.26 /therm	\$6.58/kGal

The data analyzed provides the following information: 1) breakdown of utilities by consumption, 2) cost and annual profile, 3) baseline consumption in terms of energy/utility at the facility, 4) the Energy Use Index, or Btu/sq ft, and cost/sq ft. For multiple water meters, the utility data is combined to illustrate annual consumption for each utility type.

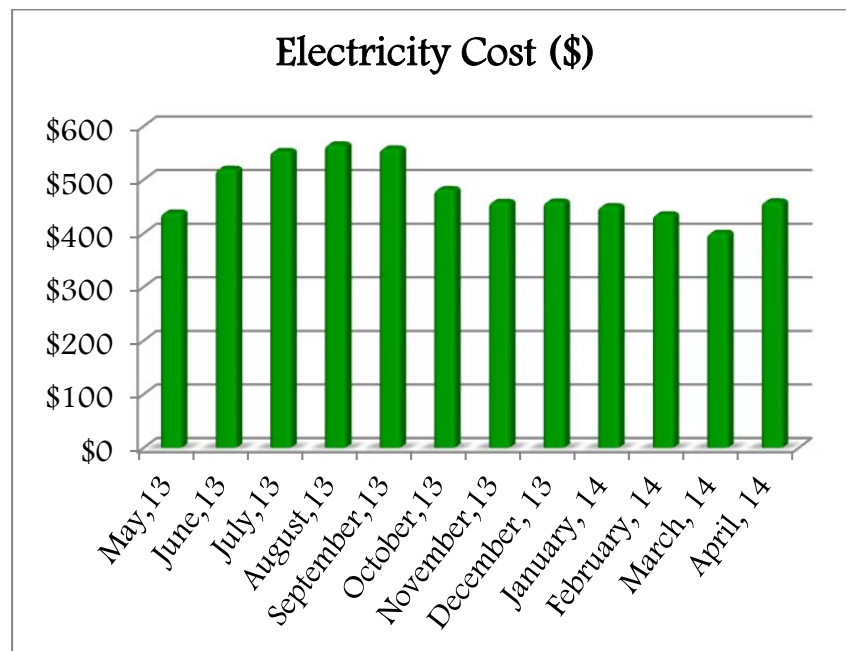
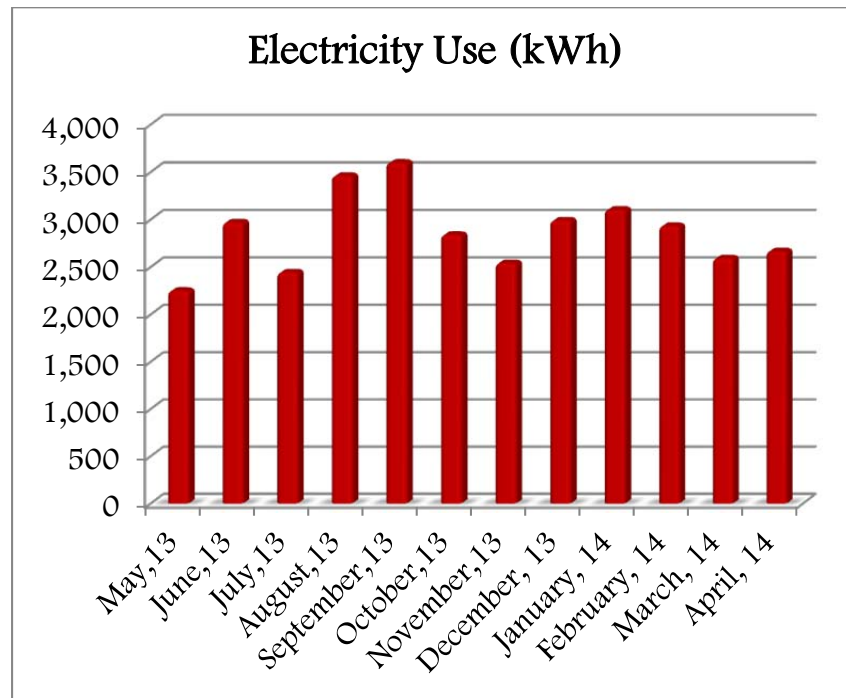
13.1. ELECTRICITY

Burlington Electric satisfies the electricity requirements of the facility.

Electricity Consumption and Cost Data

Based on the 2013 electric usage and costs, the average price paid during the year was \$0.17 per kWh. The total annual electricity consumption for the 12-month period analyzed is 34,424 kWh for a total cost of \$5,779.

Billing Month	Consumption (kWh)	Unit Cost/kWh	Total Cost
May,13	2,253	\$0.19	\$439
June,13	2,973	\$0.17	\$520
July,13	2,446	\$0.23	\$553
August,13	3,463	\$0.16	\$565
September,13	3,602	\$0.15	\$558
October,13	2,842	\$0.17	\$482
November,13	2,544	\$0.18	\$458
December, 13	2,993	\$0.15	\$459
January, 14	3,108	\$0.14	\$450
February, 14	2,936	\$0.15	\$435
March, 14	2,594	\$0.15	\$401
April, 14	2,670	\$0.17	\$459
Total	34,424	\$0.17	\$5,779



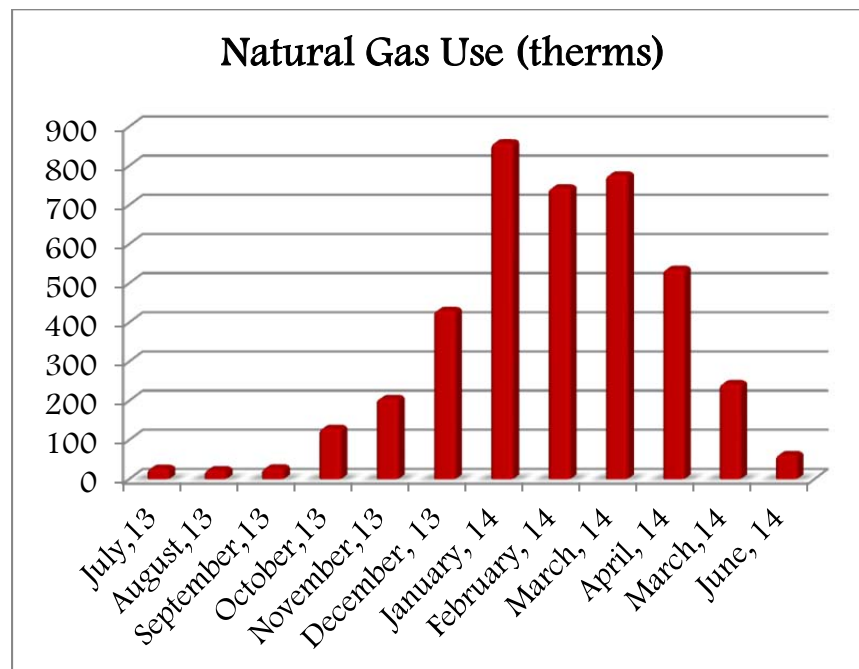
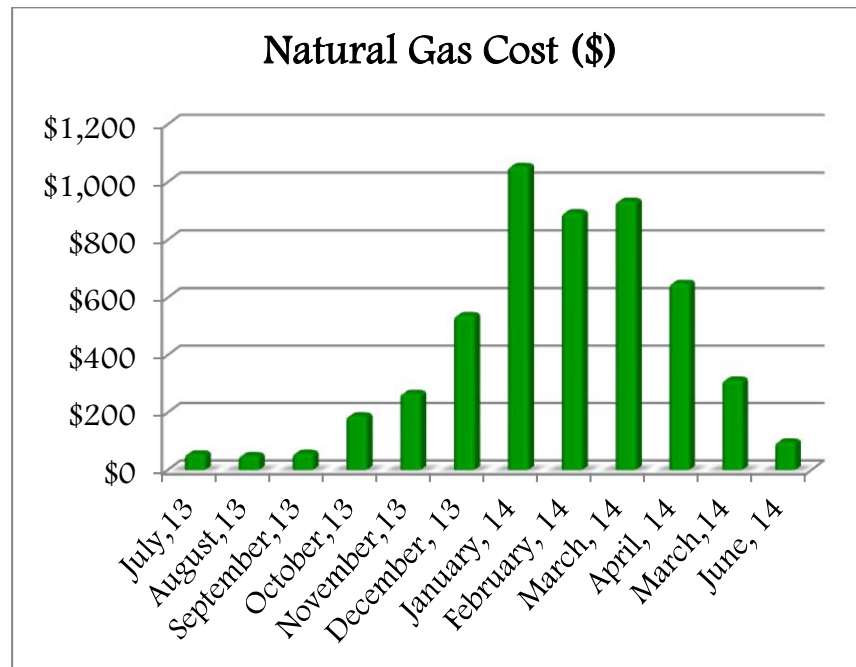
13.2. NATURAL GAS

Vermont Gas satisfies the natural gas requirements of the facility are satisfied by.

Natural Gas Consumption and Cost Data

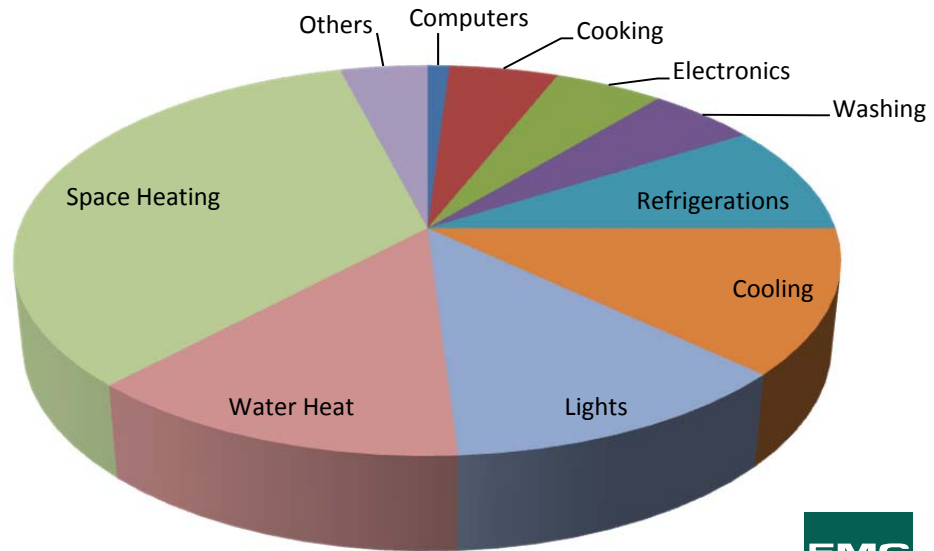
Based on the 2013 natural gas usage and costs, the average price paid during the year was \$1.26 per therm. The total annual natural gas consumption for the 12-month period analyzed is 4,071 therms for a total cost of \$5,114.

Billing Month	Consumption (Therms)	Unit Cost/Therm	Total Cost
July,13	28	\$2.05	\$57
August,13	24	\$2.13	\$51
September,13	29	\$2.05	\$59
October,13	130	\$1.46	\$190
November,13	206	\$1.30	\$268
December, 13	431	\$1.25	\$539
January, 14	859	\$1.23	\$1,056
February, 14	744	\$1.20	\$895
March, 14	777	\$1.20	\$935
April, 14	536	\$1.21	\$651
March,14	244	\$1.29	\$314
June, 14	63	\$1.57	\$99
Total	4,071	\$1.26	\$5,114



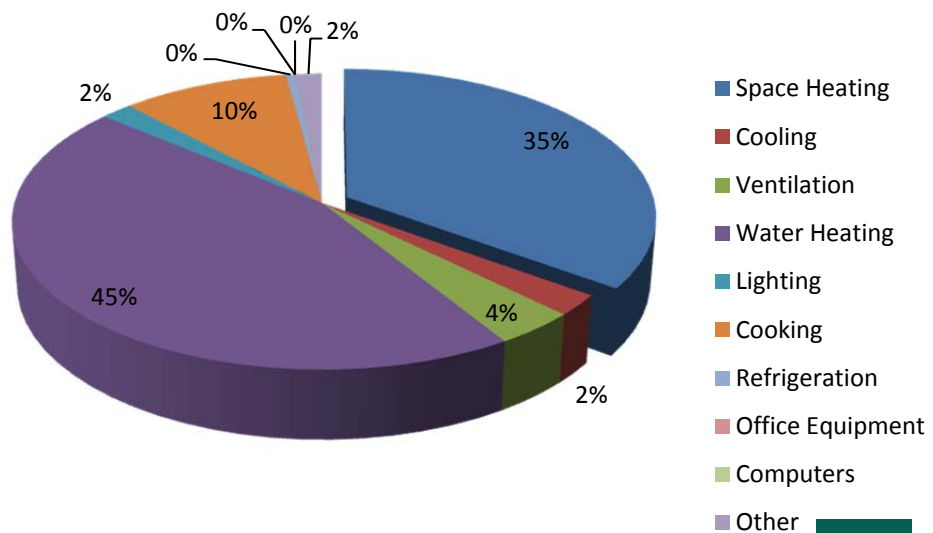
14. END USE ENERGY DISTRIBUTION

Building Energy End Use Distribution Table



EMG

Building Energy End Use Distribution Table



EMG

15. APPENDICES

APPENDIX A: Photographic Record

APPENDIX B: Site Plan

APPENDIX C: Supporting Documentation

APPENDIX D: EMG Abbreviated Accessibility Checklist

APPENDIX E: Pre Survey Questionnaires and Documentation Request Checklist

APPENDIX F: Terminology

APPENDIX G: Glossary of Terms-Energy Audits

APPENDIX H: Energy Conservation Measures

**APPENDIX A:
PHOTOGRAPHIC RECORD**



EMG PHOTOGRAPHIC RECORD

Project No.: 110266.14R-005.294

Project Name: Fire Station #5



Photo #1: Main signage



Photo #2: Front elevation



Photo #3: Right elevation



Photo #4: Rear elevation



Photo #5: Left elevation

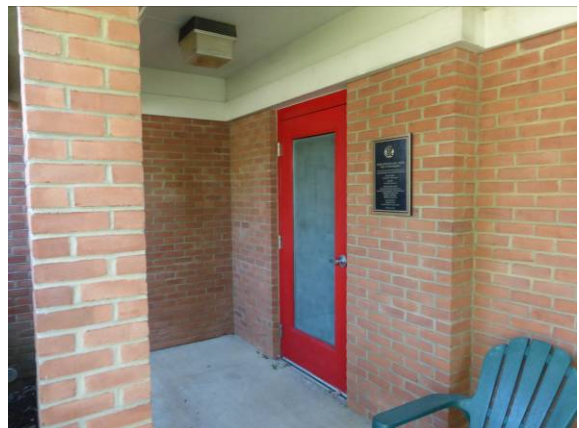


Photo #6: Main entrance



EMG PHOTOGRAPHIC RECORD

Project No.: 110266.14R-005.294

Project Name: Fire Station #5



Photo #7: Exterior doors



Photo #8: Sidewalk

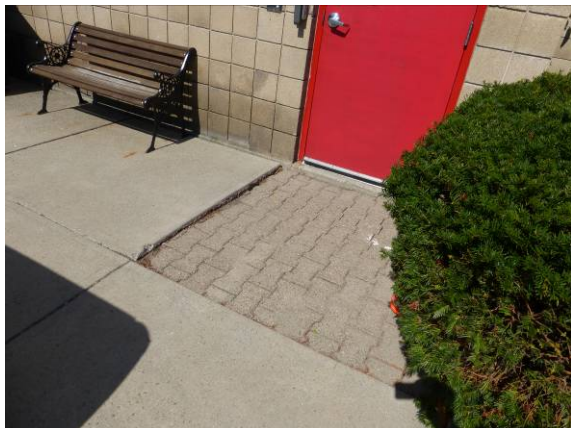


Photo #9: Sidewalk detail



Photo #10: Service drive



Photo #11: Parking area



Photo #12: Roofing detail



EMG PHOTOGRAPHIC RECORD

Project No.: 110266.14R-005.294

Project Name: Fire Station #5



Photo #13: Vehicle bay



Photo #14: First floor restroom

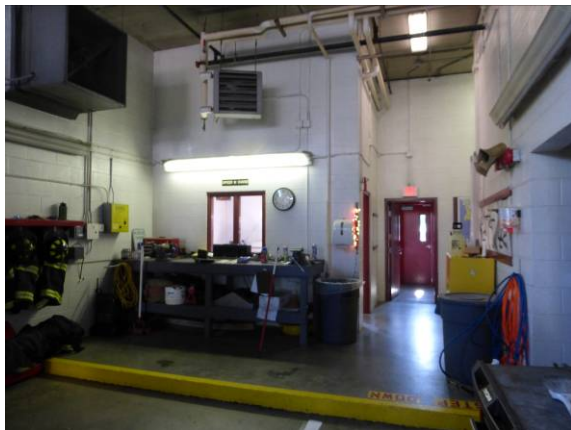


Photo #15: Rear of vehicle bay



Photo #16: Corridor



Photo #17: Storage and mechanical room



Photo #18: Second floor restroom



EMG PHOTOGRAPHIC RECORD

Project No.: 110266.14R-005.294

Project Name: Fire Station #5



Photo #19: Second floor restroom



Photo #20: Gym



Photo #21: Dining room



Photo #22: Common room



Photo #23: Kitchen



Photo #24: Fire pole



EMG PHOTOGRAPHIC RECORD

Project No.: 110266.14R-005.294

Project Name: Fire Station #5



Photo #25: Fire fighter sleeping quarters



Photo #26: Laundry and storage

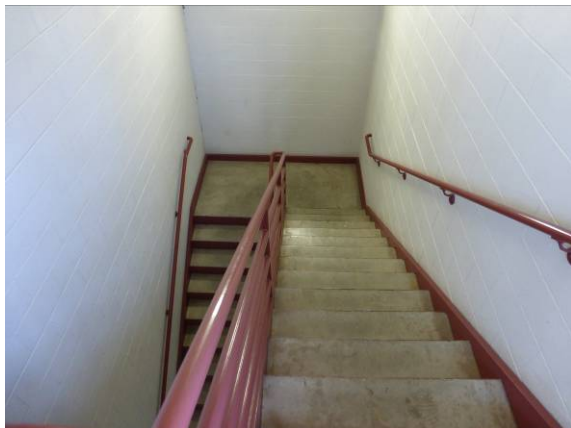


Photo #27: Stair well



Photo #28: Window detail



Photo #29: Ceiling detail

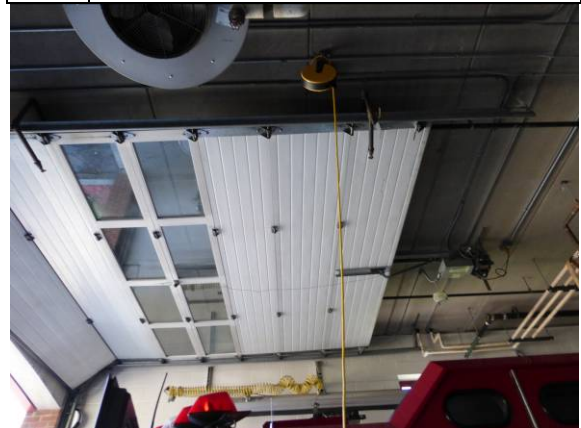


Photo #30: Overhead doors



EMG PHOTOGRAPHIC RECORD

Project No.: 110266.14R-005.294

Project Name: Fire Station #5



Photo #1: Natural gas meter at west elevation



Photo #2: Hot water gas boiler and domestic hot water tank located in the first floor mechanical room



Photo #3: Vertical second floor fan coil unit with hot water heating coil located in the second floor mechanical room



Photo #4: Air cooled condensing unit located at the west elevation



Photo #5: Fan coil unit located in the first floor office area



Photo #6: Hot water base board heat located on the first floor



EMG PHOTOGRAPHIC RECORD

Project No.: 110266.14R-005.294

Project Name: Fire Station #5



Photo #7: Hot water unit heater located in the garage equipment bay



Photo #8: Hot water unit heater located in the garage equipment bay



Photo #9: Exhaust ventilation fan located in the garage equipment bay



Photo #10: Exhaust ventilation louver located in the garage equipment bay



Photo #11: Thermostat located in the second floor living quarters



Photo #12: Vehicle engine exhaust system located in the garage equipment bay



EMG PHOTOGRAPHIC RECORD

Project No.: 110266.14R-005.294

Project Name: Fire Station #5



Photo #13: Vehicle engine exhaust system at west elevation



Photo #14: Boiler exhaust located west elevation



Photo #15: Fire department sprinkler connection at west elevation



Photo #16: Sprinkler alarm and generator exhaust at west elevation



Photo #17: Ductless mini split air conditioner located in the first floor workout room



Photo #18: Ductless mini split air cooled condensing unit at west elevation



EMG PHOTOGRAPHIC RECORD

Project No.: 110266.14R-005.294

Project Name: Fire Station #5



Photo #19: Fan cabinet unit located in the first floor workout room



Photo #20: Radiator located in first floor hallway



Photo #21: First floor restroom located near workout room



Photo #22: Second floor restroom located in living quarters



Photo #23: Second floor restroom located in living quarters

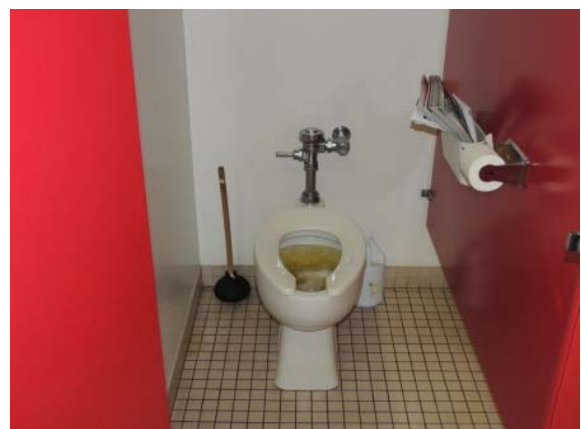


Photo #24: Second floor restroom located in living quarters



EMG PHOTOGRAPHIC RECORD

Project No.: 110266.14R-005.294

Project Name: Fire Station #5



Photo #25: Second floor restroom located in living quarters



Photo #26: Kitchen located in second floor living quarters



Photo #27: Kitchen located in second floor living quarters



Photo #28: Second floor living quarters



Photo #29: Second floor sleeping room



Photo #30: First floor workout room



EMG PHOTOGRAPHIC RECORD

Project No.: 110266.14R-005.294

Project Name: Fire Station #5



Photo #31: Exterior light at main north elevation



Photo #32: Exterior light at rear south entrance

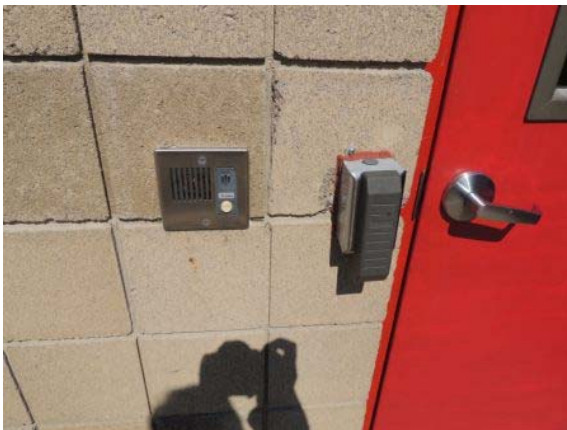


Photo #33: Security entry at rear south elevation



Photo #34: Porch lighting at main north elevation

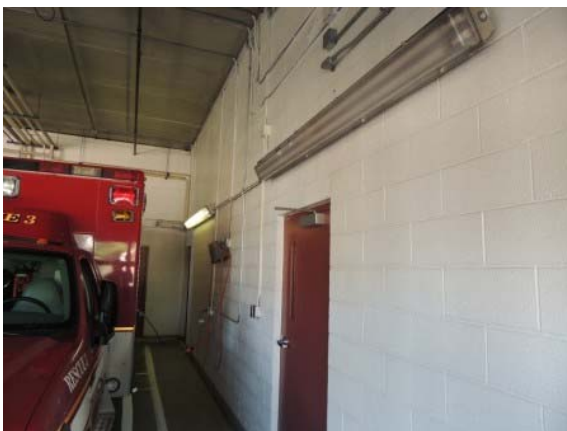


Photo #35: Wall mounted lighting located in garage equipment bay



Photo #36: Typical exit sign



EMG PHOTOGRAPHIC RECORD

Project No.: 110266.14R-005.294

Project Name: Fire Station #5



Photo #37: Typical emergency lighting



Photo #38: Emergency backup generator located in the first floor mechanical room



Photo #39: Incoming electrical service located in the first floor mechanical room



Photo #40: Generator transfer switch



Photo #41: Fire alarm panel



Photo #42: Fire alarm panel



EMG PHOTOGRAPHIC RECORD

Project No.: 110266.14R-005.294

Project Name: Fire Station #5



Photo #43: Typical fire alarm with strobe



Photo #44: Typical pull station



Photo #45: Typical fire alarm sensor



Photo #46: Fire alarm located in the garage equipment bay



Photo #47: Fire alarm located in the second floor living quarters



Photo #48: Communications area located in the second floor living quarters



EMG PHOTOGRAPHIC RECORD

Project No.: 110266.14R-005.294

Project Name: Fire Station #5



Photo #49: Incoming water and sprinkler service located in the first floor mechanical room



Photo #50: Typical sprinkler



Photo #51: Typical sprinkler



Photo #52: Typical fire extinguisher



Photo #53: Vehicle exhaust system located in the garage equipment bay

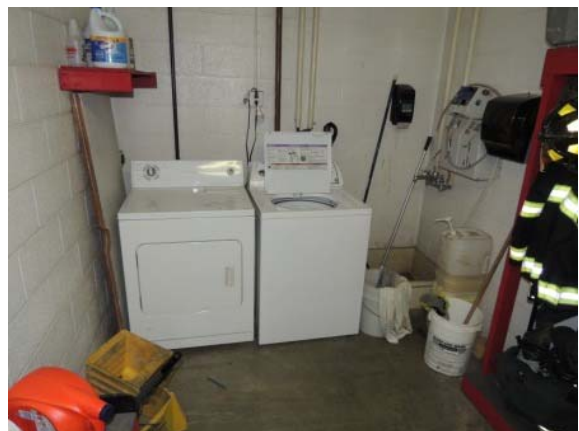


Photo #54: Laundry area located in the first floor equipment storage area

APPENDIX B:

SITE PLAN

Site Plan



Not drawn to scale. The north arrow indicator is an approximation of 0° North.

Project Number:

110266.14R-005.294

Project Name:

Fire Station #5

On-Site Date:

September 24, 2014

**APPENDIX C:
SUPPORTING DOCUMENTATION**

RECORD OF COMMUNICATION

Date: September 24, 2014
Recorded by: Cheyenne Irby
Project Name: Fire Station #5
Project Number: 110266.14R-005.294

Communication with: Sybil Thomas
of: Burlington Code Enforcement Office
Phone: 802.863.0442

Communication via:

Telephone Conversation
Discussions During Site Inspection
✓ Office Visitation/Meeting

Re:

Outstanding violations, Certificate of Occupancy, and other record information.

Summary of Communication:

See Section 2.5 for information regarding the Point of Contact

RECORD OF COMMUNICATION

Date: September 24, 2014
Recorded by: Cheyenne Irby
Project Name: Fire Station #5
Project Number: 110266.14R-005.294

Communication with: Nic Anderson
of: Burlington Planning and Zoning Department
Phone:

Communication via:

✓ ☐ Telephone Conversation
☐ Discussions During Site Inspection
☒ Office Visitation/Meeting

Re:

Outstanding violations, Certificate of Occupancy, and other record information.

Summary of Communication:

See Section 2.3 and 3.1 for information regarding the Point of Contact

RECORD OF COMMUNICATION

Date: September 24, 2014
Recorded by: Cheyenne Irby
Project Name: Fire Station #5
Project Number: 110266.14R-005.294

Communication with: Meghan Sweeney
of: Burlington Fire Department
Phone: 802.865.5387

Communication via:

✓ ☐ Telephone Conversation
☐ Discussions During Site Inspection
☒ Office Visitation/Meeting

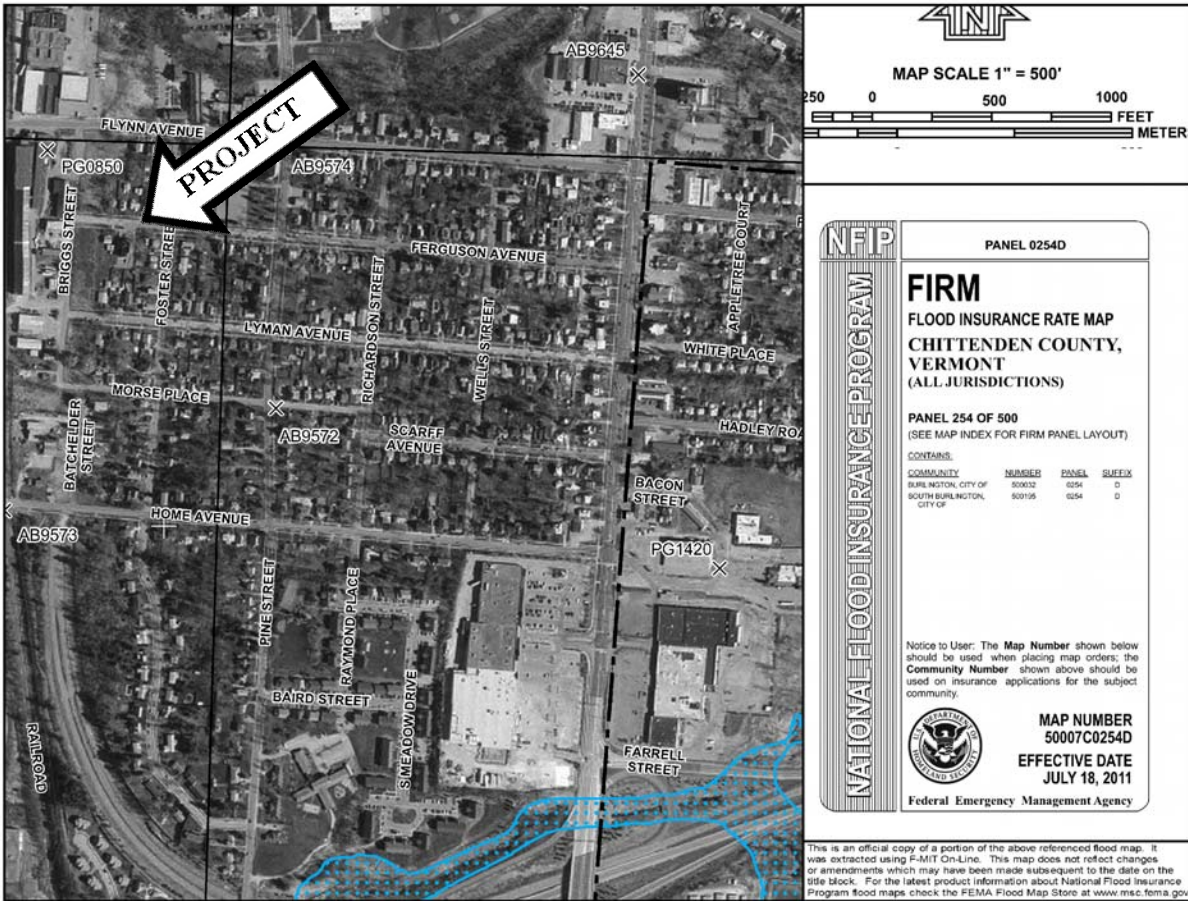
Re:

Outstanding fire code violations and inspection history

Summary of Communication:

See Section 2.3 and 3.1 for information regarding the Point of Contact

Flood Map



Source:

FEMA Map Number: 50007C0254D
Dated: July 18, 2011



Not drawn to scale. The north arrow indicator is an approximation of 0° North.

Project Number:

110266.14R-005.294

Project Name:

Fire Station #5

On-Site Date:

September 24, 2014

APPENDIX D:
EMG ABBREVIATED ACCESSIBILITY CHECKLIST

FACILITY CONDITION ASSESSMENT

& LEVEL I ENERGY AUDIT

110266.14R-005.294

Property Name: Fire Station #5

Date: September 24, 2014

Project Number: 110266.14R-005.294

EMG Abbreviated Accessibility Checklist					
	Building History	Yes	No	N/A	Comments
1.	Has the management previously completed an ADA review?			✓	The fire station is generally not assessable to the general public
2.	Have any ADA improvements been made to the property?			✓	
3.	Does a Barrier Removal Plan exist for the property?			✓	
4.	Has the Barrier Removal Plan been reviewed/approved by an arms-length third party such as an engineering firm, architectural firm, building department, other agencies, etc.?			✓	
5.	Has building ownership or management received any ADA related complaints that have not been resolved?			✓	
6.	Is any litigation pending related to ADA issues?			✓	
	Parking	Yes	No	N/A	Comments
1.	Are there sufficient parking spaces with respect to the total number of reported spaces?			✓	
2.	Are there sufficient van-accessible parking spaces available (96" wide/ 96" aisle for van)?			✓	
3.	Are accessible spaces marked with the International Symbol of Accessibility? Are there signs reading "Van Accessible" at van spaces?			✓	
4.	Is there at least one accessible route provided within the boundary of the site from public transportation stops, accessible parking spaces, passenger loading zones, if provided, and public streets and sidewalks?			✓	
5.	Do curbs on the accessible route have depressed, ramped curb cuts at drives, paths, and drop-offs?			✓	
6.	Does signage exist directing you to accessible parking and an accessible building entrance?			✓	



EMG Abbreviated Accessibility Checklist					
	Ramps	Yes	No	N/A	Comments
1.	If there is a ramp from parking to an accessible building entrance, does it meet slope requirements? (1:12)			✓	
2.	Are ramps longer than 6 ft complete with railings on both sides?			✓	
3.	Is the width between railings at least 36 inches?			✓	
4.	Is there a level landing for every 30 ft horizontal length of ramp, at the top and at the bottom of ramps and switchbacks?			✓	
	Entrances/Exits	Yes	No	N/A	Comments
1.	Is the main accessible entrance doorway at least 32 inches wide?			✓	
2.	If the main entrance is inaccessible, are there alternate accessible entrances?			✓	
3.	Can the alternate accessible entrance be used independently?			✓	
4.	Is the door hardware easy to operate (lever/push type hardware, no twisting required, and not higher than 48 inches above the floor)?			✓	
5.	Are main entry doors other than revolving door available?			✓	
6.	If there are two main doors in series, is the minimum space between the doors 48 inches plus the width of any door swinging into the space?			✓	
	Paths of Travel	Yes	No	N/A	Comments
1.	Is the main path of travel free of obstruction and wide enough for a wheelchair (at least 36 inches wide)?			✓	
2.	Does a visual scan of the main path reveal any obstacles (phones, fountains, etc.) that protrude more than 4 inches into walkways or corridors?			✓	
3.	Are floor surfaces firm, stable, and slip resistant (carpets wheelchair friendly)?			✓	
4.	Is at least one wheelchair-accessible public telephone available?			✓	
5.	Are wheelchair-accessible facilities (toilet rooms, exits, etc.) identified with signage?			✓	
6.	Is there a path of travel that does not require the use of stairs?			✓	

EMG Abbreviated Accessibility Checklist					
	Paths of Travel (cont.)	Yes	No	N/A	Comments
7.	If audible fire alarms are present, are visual alarms (strobe light alarms) also installed in all common areas?			✓	
	Elevators	Yes	No	N/A	Comments
1.	Do the call buttons have visual signals to indicate when a call is registered and answered?			✓	
2.	Are there visual and audible signals inside cars indicating floor change?			✓	
3.	Are there standard raised and Braille marking on both jambs of each host way entrance?			✓	
4.	Do elevator doors have a reopening device that will stop and reopen a car door if an object or a person obstructs the door?			✓	
5.	Do elevator lobbies have visual and audible indicators of car arrival?			✓	
6.	Does the elevator interior provide sufficient wheelchair turning area (51" x 68")?			✓	
7.	Are elevator controls low enough to be reached from a wheelchair (48 inches front approach/54 inches side approach)?			✓	
8.	Are elevator control buttons designated by Braille and by raised standard alphabet characters (mounted to the left of the button)?			✓	
9.	If a two-way emergency communication system is provided within the elevator cab, is it usable without voice communication?			✓	
	Restrooms	Yes	No	N/A	Comments
1.	Are common area public restrooms located on an accessible route?			✓	
2.	Are pull handles push/pull or lever type?			✓	
3.	Are there audible and visual fire alarm devices in the toilet rooms?			✓	
4.	Are corridor access doors wheelchair-accessible (at least 32 inches wide)?			✓	
5.	Are public restrooms large enough to accommodate a wheelchair turnaround (60" turning diameter)?			✓	
6.	In unisex toilet rooms, are there safety alarms with pull cords?			✓	

EMG Abbreviated Accessibility Checklist					
	Restrooms (cont.)	Yes	No	N/A	Comments
7.	Are stall doors wheelchair accessible (at least 32" wide)?			✓	
8.	Are grab bars provided in toilet stalls?			✓	
9.	Are sinks provided with clearance for a wheelchair to roll under (29" clearance)?			✓	
10.	Are sink handles operable with one hand without grasping, pinching or twisting?			✓	
11.	Are exposed pipes under sink sufficiently insulated against contact?			✓	
12.	Are soap dispensers, towel, etc. reachable (48" from floor for frontal approach, 54" for side approach)?			✓	
13.	Is the base of the mirror no more than 40" from the floor?			✓	

**APPENDIX E:
PRE SURVEY QUESTIONNAIRES AND
DOCUMENTATION REQUEST CHECKLIST**

PROPERTY CONDITION ASSESSMENT :PRE-SURVEY QUESTIONNAIRE

This questionnaire should be completed by someone knowledgeable about the subject property. *The completed form should be presented to EMG's Field Observer on the day of the site visit.* If the form is not completed, EMG's Project Manager will require *additional time* during the on-site visit with such a knowledgeable person in order to complete the questionnaire. During the site visit, EMG's Field Observer may ask for details associated with selected questions. This questionnaire will be utilized as an exhibit in EMG's final Property Condition Report.

Name of person completing
questionnaire:

Pete Brown

Association with property:

Length of association with property:

Date Completed:

Phone Number:

Building Name:

FS#5

Directions: Please answer all questions to the best of your knowledge and in good faith. Please provide additional details Comments column, or backup documentation for any Yes responses.

INSPECTIONS		DATE LAST INSPECTED	LIST ANY OUTSTANDING REPAIRS REQUIRED
1	Elevators	Ø	
2	HVAC, Mechanical, Electric, Plumbing	NEW	
3	Life- Safety/Fire		sprinkler - August extinguishers - January fire alarm - March
4	Roofs	NEW	
QUESTION			RESPONSE
5	List any major capital improvement within the last three years.		roof, HVAC, boiler, insulation
6	List any major capital expenditures planned for the next year.		
7	What is the age of the roof(s)?		NEW

8	What building systems (HVAC, roof, interior/exterior finishes, paving, etc.) are the responsibilities of contractors to replace?	All
---	--	-----

Mark the column corresponding to the appropriate response. Please provide additional details in the Comments column, or backup documentation for any Yes responses. Note: NA indicates "Not Applicable", Unk indicates "Unknown"						
QUESTION		RESPONSE				COMMENTS
		Y	N	NA	Unk	
9	Are there any unresolved building, or fire code issues?		X			
10	Are there any "down" or unusable units?			X		
11	Are there any problems with erosion, stormwater drainage or areas of paving that do not drain?	X	X			STORMWATER - down
12	Is the property served by a private water well?		X			
13	Is the property served by a private septic system or other waste treatment systems?		X			
14	Are there any problems with foundations or structures?		X			
15	Is there any water infiltration in basements or crawl spaces?		X			
16	Are there any wall, or window leaks?		X			
17	Are there any roof leaks?		X			
18	Is the roofing covered by a warranty or bond?	X				
19	Are there any poorly insulated areas?	X				walls
20	Is Fire Retardant Treated (FRT) plywood used?		X			
21	Is exterior insulation and finish system (EIFS) or a synthetic stucco finish used?		X			
22	Are there any problems with the utilities, such as inadequate capacities?		X			

Mark the column corresponding to the appropriate response. Please provide additional details in the Comments column, or backup documentation for any Yes responses. Note: **NA** indicates "Not Applicable", **Unk** indicates "Unknown"

QUESTION		RESPONSE				COMMENTS
		Y	N	NA	Unk	
23	Are there any problems with the landscape irrigation systems?			X		
24	Has a termite/wood boring insect inspection been performed within the last year?		X			SPIDERS
25	Do any of the HVAC systems use R-11, 12, or 22 refrigerants?					?
26	Has any part of the property ever contained visible suspect mold growth?		X			
27	Is there a mold Operations and Maintenance Plan?		X			
28	Have there been indoor air quality or mold related complaints from tenants?	X				tested
29	Is polybutylene piping used?				X	
30	Are there any plumbing leaks or water pressure problems?	X				domestic water feed
31	Are there any leaks or pressure problems with natural gas service?		X			
32	Does any part of the electrical system use aluminum wiring?		X			
33	Do Residential units have a less than 60-Amp service?			X		
34	Do any Commercial units have less than 200-Amp service?		X			
35	Are there any recalled fire sprinkler heads (Star, GEM, Central, Omega)?		X			
36	Is there any pending litigation concerning the property?		X			
37	Has the management previously completed an ADA review?	X				
38	Have any ADA improvements been made to the property?		X			
39	Does a Barrier Removal Plan exist for the property?		X			

Mark the column corresponding to the appropriate response. Please provide additional details in the Comments column, or backup documentation for any Yes responses. Note: NA indicates "Not Applicable", Unk indicates "Unknown"						
QUESTION		RESPONSE				COMMENTS
		Y	N	NA	Unk	
40	Has the Barrier Removal Plan been approved by an arms-length third party?		X			
41	Have there been any ADA or Section 504 related complaints?				X	
42	Does elevator equipment require upgrades to meet ADA standards?			X		
43	Are there any problems with exterior lighting?	X				
44	Are there any other significant issues/hazards with the property?		X			
45	Are there any unresolved construction defects at the property?		X			

On the day of the site visit, provide EMG's Field Observer access to all of the available documents listed below. Provide copies if possible.

INFORMATION REQUIRED	
1. All available construction documents (blueprints) for the original construction of the building or for any tenant improvement work or other recent construction work. 2. A site plan, preferably 8 1/2" X 11", which depicts the arrangement of buildings, roads, parking stalls, and other site features. 3. For commercial properties, provide a tenant list which identifies the names of each tenant, vacant tenant units, the floor area of each tenant space, and the gross and net leasable area of the building(s). 4. For apartment properties, provide a summary of the apartment unit types and apartment unit type quantities, including the floor area of each apartment unit as measured in square feet. 5. For hotel or nursing home properties, provide a summary of the room types and room type quantities. 6. Copies of Certificates of Occupancy, building	8. The company name, phone number, and contact person of all outside vendors who serve the property, such as mechanical contractors, roof contractors, fire sprinkler or fire extinguisher testing contractors, and elevator contractors. 9. A summary of recent (over the last 5 years) capital improvement work which describes the scope of the work and the estimated cost of the improvements. Executed contracts or proposals for improvements. Historical costs for repairs, improvements, and replacements. 10. Records of system & material ages (roof, MEP, paving, finishes, furnishings). 11. Any brochures or marketing information. 12. Appraisal, either current or previously prepared. 13. Current occupancy percentage and typical turnover rate records (for commercial and apartment properties). 14. Previous reports pertaining to the physical condition of property.



Energy Audit Pre-Survey Questionnaire

This questionnaire must be completed by the property owner, the owner's designated representative, or someone knowledgeable about the subject property. **The completed form must be provided on or before the day of the site visit.** If the form is not completed, EMG's Project Manager will require **additional time** during the on-site visit with such a knowledgeable person in order to complete the questionnaire. During the site visit, EMG's Field Observer may ask for details associated with selected questions. This questionnaire will be utilized as an exhibit in EMG's final report.

Name of Institution:		
Name of Building:	FS#5	Building #:

Unk = Unknown, NA = Not Applicable	Yes	No	NA	Unk	Comments
1. Are the plumbing fixtures Low Flow (Below 2.0GPM, 1.6GPF)	☒	☐	☐	☐	
2. Are there any vacant buildings or significant building areas?	☐	☒	☐	☐	
3. Do tenants pay for utilities at leased properties?	☐	☐	☐	☐	
4. Does the owner pay for exterior site lighting electricity?	☒	☐	☐	☐	

Site Information					
Primary Heating System & Fuel?	993				
Secondary Heating System & Fuel?	electric				
Primary Cooling System & Capacity?	1991				
Year of Construction?	1991				
No. of Stories?	2 Floors.				
Total Site Area?	1/3 Acres				
Total Building Area?	Sqft				
Area Heated (%)	100 %				
Area Cooled (%)	60 %				
Total Conditioned Area (%)	60 %				
	Elec.	Natural Gas	Propane	No.2 Oil	Dist. Steam
Primary Heating Fuel?	☐	☒	☐	☐	☐
Secondary Heating Fuel?	☐	☐	☐	☐	☐
Domestic Water Heater Fuel?	☐	☒	☐	☐	☐

Building Occupancy/Schedule		
Facility Occupancy (avg. people ea. day)	2	
After Hours Facility Occupancy (avg. people ea. day)	2	
Standard Building Occupancy Timing	24/7 : AM/PM - : AM/PM	
Maintenance Staff Hours	24/7 : AM/PM - : AM/PM	
	Hours open to Public	Hours open to Staff
Monday	: AM/PM - : AM/PM	: AM/PM - : AM/PM
Tuesday	: AM/PM - : AM/PM	: AM/PM - : AM/PM
Wednesday	: AM/PM - : AM/PM	: AM/PM - : AM/PM
Thursday	: AM/PM - : AM/PM	: AM/PM - : AM/PM
Friday	: AM/PM - : AM/PM	: AM/PM - : AM/PM
Saturday	: AM/PM - : AM/PM	: AM/PM - : AM/PM
Sunday	: AM/PM - : AM/PM	: AM/PM - : AM/PM
Number of Months the Facility Operates in a Year?	12 Months	
Estimated Percentage of Male Staff and Guests (%)	100 %	



Energy Audit Pre-Survey Questionnaire

Building Structure							
		Y/N		Y/N		Y/N	Additional Comments?
Roof Type:	Pitched?	☒	Flat		Both		
Attic Insulation:	Batt		Cellulose	☒	Fiberglass		
Window Frame:	Wooden		Vinyl		Metal	☒	
Window Glazing:	Single		Double	☒	Triple		
Structure	Wooden	☒	Metal	☒	Conc.		BRICK

Building Lighting			
Type of Linear Fluorescent Lamps? (T8/T12)	T8	Exterior Lighting Control (Timer/Photocell)	YES
Type of Common Lamps? (Incan/CFLs)	LED	Exterior Light Timing	12 Hr
Lighting Sensors? (Y/N)	Y	EXIT Lights (Incan/Fluor/LED)	

Other Systems			
	Qty	Selection	Additional Comments?
# of Elevators	0	Hydraulic/Traction	
# of Electric Meters	1	Master/Sub	
# of Nat. Gas Meters	1	Resi/Commercial/Indust.	
# of Water Meters	1		
# of Backup Generator	1	Generator Fuel?	gas

Issues or Concerns That EMG Should Know About?	
1.	RAMP
2.	
3.	

Items Provided to EMG Auditors				
	Yes	No	N/A	Additional Comments?
Access to All Mechanical Spaces	☒			
Access to Roof/Attic Space	☒			
Access to Building As-Built Drawings				
Access to last 12/24 Months Utility Data	☒			
Access to last 12/24 Month Water & Sewer Bills				

REQUEST FOR DOCUMENTATION

On the day of the site visit, provide EMG's Field Observer the documents listed below. Signify which documents will be copied, available for review at the site, not available, or not applicable by placing a check mark in the appropriate columns. Also provide this completed checklist.

		Copies Provided	Reviewed at Site	Not Available	Not Applicable
1	Maintenance Contractor List. Provide the company name, phone number, and contact person of all maintenance contractors who serve the property, such as mechanical contractors, roof contractors, fire sprinkler and fire alarm testing contractors, and elevator contractors.	✓			
2	Construction Documents (Blueprints). Provide all available construction documents for the original construction of the building or for any tenant improvement work or other recent construction work.			✓	
3	Site plan. Provide a site plan, preferably 8 1/2" X 11", which depicts the arrangement of buildings, roads, parking stalls, and other site features.			✓	
4	Certificates of Occupancy and original Building Permits.			✓	
5	Tenant List. For commercial properties, provide a tenant list, which identifies the names of each tenant, vacant tenant units, the floor area of each tenant space, and the gross and net leasable area of the building(s).			✓	
6	Apartment Unit Summary. For apartment properties, provide a summary of the apartment unit types and quantities, including the floor area of each apartment unit as measured in square feet.			✓	
7	Hotel & Nursing Home Room Summary. For hotel or nursing home properties, provide a summary of the room types and room type quantities, including the floor area of each room type.			✓	
8	Occupancy Percentage. Provide the current occupancy percentage and typical turnover rate records (for commercial and apartment properties).			✓	
9	Inspection Documents and Certificates. Fire, building, and health department inspection reports and elevator inspection certificates.			✓	
10	Warranties. Roof and HVAC warranties, or any other similar relevant documents.			✓	
11	Utility Companies. The names of the local utility companies which serve the property, including the water, sewer, electric, gas, and phone companies.			✓	
12	Capital Improvement Summary. A summary of recent (over the last 5 years) capital improvement work which describes the scope of the work and the cost of the improvements.			✓	
13	Proposed Improvements. Pending contracts or proposals for future improvements.			✓	
14	Historical Costs. Costs for repairs, improvements, and replacements.			✓	
15	Records. Records of system & material ages (roof, MEP, paving, finishes, furnishings).			✓	
16	Brochures or Marketing Information.			✓	
17	Appraisal, either current or previously prepared.			✓	
18	Previous reports pertaining to the physical condition of property.			✓	
19	ADA survey and status of improvements implemented.			✓	
20	Litigation. Current / pending litigation related to property condition.			✓	

**APPENDIX F:
TERMINOLOGY**

The following are definitions of terms utilized in this report.

TERMINOLOGY	
Actual Knowledge	Information or observations known first hand by EMG.
ADA	The Americans with Disabilities Act
Ancillary Structures	Structures that are not the primary improvements of the Property but which may have been constructed to provide support uses.
Appropriate Inquiry	A requests for information from appropriate entity conducted by a Freedom of Information Letter (FOIL), verbal request, or by written request made either by fax, electronic mail, or mail. A good-faith one time effort conducted to obtain the information in light of the time constraints to deliver the FCA.
ASTM	American Society for Testing and Materials
Base Building	That portion of the building (common area) and its systems that are not typically subject to improvements to suit tenant requirements.
Baseline	A minimum scope level of observation, inquiry, research, documentation review, and cost estimating for conducting a Facility Condition Assessment as normally conducted by EMG.
BOMA	Building Owners & Managers Association
Building	Referring to the primary building or buildings on the Property, which are within the scope of the FCA as defined under Section 2.
Building Codes	A compilation of rules adopted by the municipal, county and/or state governments having jurisdiction over the Property that govern the property's design &/or construction of buildings.
Building Department Records	Information concerning the Property's compliance with applicable Building, Fire and Zoning Codes that is readily available for use by EMG within the time frame required for production of the Facility Condition Assessment.
Building Systems	Interacting or interdependent components that comprise a building such as structural, roofing, side wall, plumbing, HVAC, water, sanitary sewer and electrical systems.
BUR	Built Up Roof
Client	The entity identified on the cover of this document as the Client.
Commercial Real Estate	Real property used for industrial, retail, office, agricultural, other commercial, medical, or educational purposes, and property used for residential purposes that has more than four (4) residential dwelling units.
Commercial Real Estate Transaction	The transfer of either a mortgage, lease, or deed; the re-financing of a commercial property by an existing mortgagee; or the transferring of an equity interest in commercial property.
Component	A piece of equipment or element in its entirety that is part of a system.
Consultant	The entity or individual that prepares the Facility Condition Assessment and that is responsible for the observance of, and reporting on the physical condition of Commercial Property.
Dangerous or Adverse Conditions	Situations which may pose a threat or possible injury to the Project Manager, or those situations which may require the use of special protective clothing, safety equipment, access equipment, or any precautionary measures.
Deferred Maintenance	Deficiencies that result from postponed maintenance, or repairs that have been put off until a later time and that require repair or replacement to an acceptable condition relative to the age of the system or property.
Dismantle	To take apart; disassemble; tear down any component, device or piece of equipment that is bolted, screwed, secured, or fastened by other means.
DWV	Drainage Waste Ventilation

TERMINOLOGY	
EIFS	Exterior Insulation and Finish System
EMS	Energy Management System
Engineering	Analysis or design work requiring extensive formal education, preparation and experience in the use of mathematics, chemistry, physics, and the engineering sciences as provided by a Professional Engineer licensed to practice engineering by any state of the 50 states.
Expected Useful Life (EUL)	The average amount of time in years that a system or component is estimated to function when installed new.
FEMA	Federal Emergency Management Agency
FFHA	Federal Fair Housing Act
Fire Department Records	Information generated or acquired by the Fire Department having jurisdiction over the Property, and that is readily available to EMG within the time frame required for production of the FCA.
FIRM	Flood Insurance Rate Maps
FM	Factory Mutual
FOIA	U.S. Freedom of Information Act (5 USC 552 et seq.)
FOIL	Freedom of Information Letter
FRT	Fire Retardant Treated
Guide	A series of options or instructions that do not recommend a specific course of action.
His	Referring to either a male or female Project Manager, or individuals interviewed by the Project Manager.
HVAC	Heating, Ventilating & Air-conditioning
IAQ	Indoor Air Quality
Immediate Repairs	Physical deficiencies that require immediate action as a result of: (i) existing or potentially material unsafe conditions, (ii) significant negative conditions impacting tenancy/marketability, (iii) material building code violations, or (iv) poor or deteriorated condition of critical element or system, or (v) a condition that if left "as is", with an extensive delay in addressing same, has the potential to result in or contribute to critical element or system failure within one (1) year.
Interviews	Interrogatory with those knowledgeable about the Property.
Material	Having significant importance or great consequence to the asset's intended use or physical condition.
MEP	Mechanical, Electrical, and Plumbing
NFPA	National Fire Protection Association
Observations	The results of the Project Manager's Walk-through Survey.
Observe	The act of conducting a visual, unaided survey of items, systems or conditions that are readily accessible and easily visible on a given day as a result of the Project Manager's walk-through.
Obvious	That which is plain or evident; a condition that is readily accessible and can be easily seen by the Project Manager as a result of his Walk-through without the removal of materials, moving of chattel, or the aid of any instrument, device, or equipment.
Owner	The entity holding the deed to the Property that is the subject of the FCA.
FCA	Facility Condition Assessment, the Purpose and Scope of which is defined in Section 2. of this report.

TERMINOLOGY	
Physical Deficiency	Patent, conspicuous defects, or significant deferred maintenance of the Property's material systems, components, or equipment as observed during the Project Manager's Walk-through Survey. Material systems, components, or equipment that are approaching, have realized, or have exceeded their typical Expected Useful Life (EUL); or, that have exceeded their useful life result of abuse, excessive wear and tear, exposure to the elements, or lack of proper or adequate maintenance. This definition specifically excludes deficiencies that may be remedied with routine maintenance, miscellaneous repairs, normal operating maintenance, and conditions that do not present a material deficiency to the Property.
PML	Probable Maximum Loss
Practically Reviewable	Information that is practically reviewable means that the information is provided by the source in a manner and form that, upon examination, yields information relevant to the property without the need for extraordinary analysis of irrelevant data.
Practice	A definitive procedure for performing one or more specific operations or functions that does not produce a test result.
Primary Improvements	The site and building improvements that are of fundamental importance with respect to the Property.
Project Manager	The individual Professional Engineer or Registered Architect having a general, well rounded knowledge of all pertinent site and building systems and components that conducts the on site visit and walk-through observation.
Property	The site and building improvements, which are specifically within the scope of the FCA to be prepared in accordance with the agreement between the Client and EMG.
Readily Accessible	Those areas of the Property that are promptly made available for observation by the Project Manager without the removal of materials or chattel, or the aid of any instrument, device, or equipment at the time of the Walk-through Survey.
Reasonably Ascertainable	Information that is publicly available, provided to EMG's offices from either its source or an information research/retrieval concern, practically reviewable, and available at a nominal cost for either retrieval, reproduction or forwarding.
Recreational Facilities	Spas, saunas, steam baths, swimming pools, tennis courts, playground equipment, and other exercise, entertainment, or athletic facilities.
Remaining Useful Life (RUL)	The consultant's professional opinion of the number of years before a system or component will require replacement or reconditioning. The estimate is based upon observation, available maintenance records, and accepted EUL's for similar items or systems. Inclement weather, exposure to the elements, demand on the system, quality of installation, extent of use, and the degree and quality of preventive maintenance exercised are all factors that could impact the RUL of a system or component. As a result, a system or component may have an effective age greater or less than its actual age. The RUL may be greater or less than its Expected Useful Life (EUL) less actual age.
Replacement Costs	Costs to replace the system or component "in kind" based on Invoices or Bid Documents provided by the current owner or the client, construction costs developed by construction resources such as <i>Means</i> and <i>Dodge</i> , EMG's experience with past costs for similar properties, or the current owner's historical incurred costs.
Replacement Reserves	Major recurring probable expenditures, which are neither commonly classified as an operation or maintenance expense. Replacement Reserves are reasonably predictable both in terms of frequency and cost. However, they may also include components or systems that have an indeterminable life but nonetheless have a potential liability for failure within the reserve term.
RTU	Rooftop Unit

TERMINOLOGY	
RUL	Remaining Useful Life (See definition)
Short Term Repair Costs	Opinions of Costs to remedy Physical Deficiencies, such as deferred maintenance, that may not warrant immediate attention, but requiring repairs or replacements that should be undertaken on a priority basis, taking precedence over routine preventive maintenance work within a zero to one year time frame. Included are such Physical Deficiencies resulting from improper design, faulty installation and/or substandard quality of original system or materials. Components or systems that have realized or exceeded their Expected Useful Life (EUL) that may require replacement to be implemented within zero to one-year time frame are also included.
Shut-Down	Equipment or systems that are not operating at the time of the Project Manager's Walk-through Survey. Equipment or systems may be considered shutdown if it is not in operation as a result of seasonal temperatures.
Significant	Important, material, and/or serious.
Site Visit	The visit to the property by EMG's Project Manager including walk-through visual observations of the Property, interviews of available project personnel and tenants (if appropriate), review of available documents and interviews of available municipal personnel at municipal offices, all in accordance with the agreement for the Facility Condition Assessment.
Specialty Consultants	Practitioners in the fields of engineering, architecture; or, building system mechanics, specialized service personnel or other specialized individuals that have experience in the maintenance and repair of a particular building component, equipment, or system that have acquired detailed, specialized knowledge in the design, assessment, operation, repair, or installation of the particular component, equipment, or system.
Structural Component	A component of the building, which supports non-variable forces or weights (dead loads) and variable forces or weights (live loads).
Suggested Remedy	A preliminary opinion as to a course of action to remedy or repair a physical deficiency. There may be alternate methods that may be more commensurate with the Client's requirements. Further investigation might make other schemes more appropriate or the suggested remedy unworkable. The suggested remedy may be to conduct further research or testing, or to employee Specialty Consultants to gain a better understanding of the cause, extent of a deficiency (whether observed or highly probable), and the appropriate remedy.
Survey	Observations as the result of a walk-through scan or reconnaissance to obtain information by EMG of the Property's readily accessible and easily visible components or systems.
System	A combination of interacting or interdependent components assembled to carry out one or more functions.
Technically Exhaustive	The use of measurements, instruments, testing, calculations, exploratory probing or discover, and/or other means to discover and/or troubleshoot Physical Deficiencies, develop scientific or Engineering findings, conclusions, and recommendations. Such efforts are not part of this report unless specifically called for under Section 2.2.
Term	Reserve Term: The number of years that Replacement Reserves are projected for as specified in the Replacement Reserves Cost Estimate.
Timely Access	Entry provided to the Project Manager at the time of his site visit.
UST	Underground Storage Tank

TERMINOLOGY	
Walk-through Survey	The Project Manager's site visit of the Property consisting of his visual reconnaissance and scan of readily accessible and easily visible components and systems. This definition connotes that such a survey should not be considered in depth, and is to be conducted without the aid of special protective clothing, exploratory probing, removal of materials, testing, or the use of special equipment such as ladders, scaffolding, binoculars, moisture meters, air flow meters, or metering/testing equipment or devices of any kind. It is literally the Project Manager's walk of the Property and observations.

APPENDIX G:
GLOSSARY OF TERMS-ENERGY AUDITS

Glossary of Terms and Acronyms-Energy Audit

ECM - Energy Conservation Measures are projects recommended to reduce energy consumption. These can be No/Low cost items implemented as part of routine maintenance or Capital Cost items to be implemented as a capital improvement project.

Initial Investment - The estimated cost of implementing an ECM project. Estimates typically are based on R.S. Means Construction cost data and Industry Standards.

Annual Energy Savings - The reduction in energy consumption attributable to the implementation of a particular ECM. These savings values do not include the interactive effects of other ECMs.

Cost Savings - The expected reduction in utility or energy costs achieved through the corresponding reduction in energy consumption by implementation of an ECM.

Simple Payback Period - The number of years required for the cumulative value of energy or water cost savings less future non-fuel or non-water costs to equal the investment costs of the building energy or water system, without consideration of discount rates.

EUL - Expected Useful Life is the estimated lifespan of a typical piece of equipment based on industry accepted standards.

RUL - Remaining Useful Life is the EUL minus the effective age of the equipment and reflects the estimated number of operating years remaining for the item.

SIR - The savings-to-investment ratio is the ratio of the present value savings to the present value costs of an energy or water conservation measure. The numerator of the ratio is the present value of net savings in energy or water and non-fuel or non-water operation and maintenance costs attributable to the proposed energy or water conservation measure. The denominator of the ratio is the present value of the net increase in investment and replacement costs less salvage value attributable to the proposed energy or water conservation measure. It is recommended that energy-efficiency recommendations be based on a calculated SIR, with larger SIRs receiving a higher priority. A project typically is recommended only if the SIR is greater than or equal to 1.0, unless other factors outweigh the financial benefit.

Life Cycle Cost - The sum of the present values of (a) Investment costs, less salvage values at the end of the study period; (b) Non-fuel operation and maintenance costs; (c) Replacement costs less salvage costs of replaced building systems; and (d) Energy and/or water costs.

Life Cycle Savings - The sum of the estimated annual cost savings over the EUL of the recommended ECM, expressed in present value dollars.

Building Site Energy Use Intensity - The sum of the total site energy use in thousand of Btu per unit of gross building area. Site energy accounts for all energy consumed at the building location only not the energy consumed during generation and transmission of the energy to the site.

Building Source Energy Use Intensity - The sum of the total source energy use in thousand of Btu per unit of gross building area. Source energy is the energy consumed during generation and transmission in supplying the energy to your site.

Building Cost Intensity - This metric is the sum of all energy use costs in dollars per unit of gross building area.

Greenhouse Gas Emissions - Although there are numerous gases that are classified as contributors to the total for Greenhouse Emissions, the scope of this energy audit focuses on carbon dioxide (CO₂). Carbon dioxide enters the atmosphere through the burning of fossil fuels (oil, natural gas, and coal), solid waste, trees and wood products, and also as a result of other chemical reactions (e.g., manufacture of cement).

APPENDIX H:
ENERGY CONSERVATION MEASURES

UIC	Replace Existing Dishwashers With High Efficiency Dishwashers			
EAA3	Details: Use Energy Star equipment			
Number of Dishwashers To Be Replaced		1	Qty	Enter Estimated Loads/ Week / Washer
		7	Qty	
Existing				
Select Type of Existing Model		Typical 2000 Model (Select)		
Estimated Annual kWh Consumption / Unit:		434	(Kwh)	
Estimated Annual Hot Water Consumption/ Unit:		3,094	(Gal)	
Proposed Energy Star Qualified Dishwasher				
Estimated Annual kWh Consumption of Proposed Machine:		231	(Kwh)	
Estimated Annual Hot Water Consumption of Proposed Machine:		1,820	(Gal)	
Energy, Water & Cost Saving				
Water Savings				
Annual Hot Water Savings Per Unit	1,274	Gal	Total Annual Hot Water Savings:	1.27 Kgal
Current Water Tariff	\$6.58	\$/Kgal	Total Annual Water Cost Savings	\$8.38 \$\$
Energy Savings				
Annual Kwh Savings Per Unit	203	kWh	Total Annual Kwh Savings	203 kWh
Current Electrical Tariff	\$0.17	\$/kWh	Total Annual Electric Cost Savings	\$34.08 \$\$
Hot Water Based Energy Savings				
Select Type of Hot Water Heating Fuel	Natural Gas		Energy Factor of DWH:	0.54 EF
Cost of Heating Fuel (\$\$/Unit)	\$1.26	\$/Therm	Hot Water Supply Temperature (140F in Most Cases)	125.00 F
Energy Savings From Hot Water	1,208	kBtu	Energy Savings From Hot Water	12 Therms
Total Cost Savings From Hot Water	\$15	\$\$		
COST ANALYSIS				
Total Annual Cost Savings:		\$58	\$\$	
Total Installation Cost Including, Eco Friendly Disposal Of Existing Dishwashers (\$\$)				
1 No. of Units	\$50.00 Disposal Tax	\$450 Unit Cost	\$500 Total Cost	\$\$
Simple Return on Investment			8.67	Yrs
Note:- Average Life of a Dishwasher is 10-15 Years				
Type of Recommendation		No/Low Cost ECM Recommendation		

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ECM DESCRIPTION:

A dishwasher built before 1994 wastes more than 10 gallons of water per cycle. A new, energy star qualified dishwasher will save, on average, 1,300 gallons of water over its lifetime. New dishwasher models consume 4.25 gallons per cycle for compact sized dishwashers for capacities of lower than 8 place settings and six serving piece and 5.8 gallons per cycle for standard sized dishwashers of higher capacity. Newer models also contain wash cycle options that provide the option of using less water with a shorter cycle for slightly soiled place settings and serving pieces. Water consumption can also be greatly reduced if dishes are scraped off and not rinsed before loading into dishwasher, dishwashers and detergents are designed to do the complete cleaning. Energy star qualified dishwashers are 10% more efficient than non-qualified models and are more efficient than models that simply meet the federal minimum standard for energy efficiency

Summary:

Initial Investment:	\$500	Simple Payback:	8.67
Annual Cost Savings:	\$58		

UIC	Install Low Flow Shower Heads	
EAP1	Details: Replace existng shower heads with low flow types	
Total Number of Shower Heads To Be Replaced	2	
No. of Shower Days/Year	100	
No. of Residents	5	
Estimated Time Per Shower	8.10	Mins
GPM of Existing Shower Head	2.5	GPM
GPM of Proposed Shower Head *	(Select) 1.75	GPM
*(Federal Law Requires all new shower heads to have a max flow rate of 2.5 GPM)		
Water & Energy Savings Calculations		
Property Location in United States	Northern Localities	
Select Type of Water Heater Fuel	(Select) Natural Gas	
Average Hot Water Discharge Temperature	120.00	°F
Annual Water Savings	3	kGal
(Assuming 1 shower/day/person for 365 days a year)		
Energy Factor of Domesitc Hot Water Heater:	0.93	EF
Equivalent Heating Fuel Energy savings:	2,177	kBtu
Cost Savings Calculations		
Equivalent Heating Fuel Savings	Natural Gas 22	Therms
Water Tariff (\$/1000 Gal)	\$6.58	\$/kGal
Annual Cost Savings In Form of Water	\$20	\$\$
Annual Energy Savings From Water Heater	\$27	\$\$
Estimated Total Annual Cost Savings	\$47	\$\$
Estimated Installation Costs		
Estimated Total Installation Cost	\$95	\$\$
Simple Payback Period	2.00	Years
Type of Recommendation	No/Low Cost ECM Recommendation	

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ECM EXPLANATION:

By reducing the flow of water coming off the shower heads, savings can be generated in the form of reduced water and sewer costs. Additional savings can be realized via reduction in the demand for hot water. Currently Federal law requires all new shower heads to have a maximum flow rate of 2.5 GPM.

EMG recommends replacing the existing shower heads with new low flow shower heads as mentioned above. The proposed ECM shall also result in an annual energy saving in form of reduction in water heating bills.

Summary:

Initial Investment:	\$95	Simple Payback:	2.00
Annual Cost Savings:	\$47.33		

UIC	Install Low Flow Faucet Aerators			
EAP2	Details: In all sink and lavatory faucets			
Property Type:	Residential	Estimated No. of Operational Weeks	52	
No. of Occupants	5	Number of Occupied Days/Week (Max 7)	7	
KITCHEN FAUCETS		BATHROOM FAUCETS		
Do You Want To Replace Kitchen Faucets Aerators	Yes (Select)	Do You Want To Replace Bathroom Faucets Aerators	Yes (Select)	
Total Number of Faucet Aerators To Be Replaced	1	Total Number of Faucet Aerators To Be Replaced	4	
Total Number of Faucets To Be Replaced:	0	Total Number of Faucets To Be Replaced:	0	
GPM of Existing Faucet Aerators	2.2 GPM	GPM of Existing Faucet Aerators	2 GPM	
GPM of Proposed Faucet Aerator	1 GPM	GPM of Proposed Faucet Aerator	1 GPM	
Estimated Number of Uses Per Day	4	Estimated Number of Uses Per Day	6	
Estimated Time Per Faucet Use 8.1 Min/Person/day @AWWA	0.49 Mins	Estimated Time Per Faucet Use 8.1 Min/Person/day @AWWA	0.74 Mins	
Annual Water Savings From Kitchen Faucets	2.59 kGal	Annual Water Savings From Bathroom Faucets	4.85 kGal	
WATER & ENERGY SAVING CALCULATION		COST SAVING CALCULATION		
Select Type of Water Heater Fuel:	Natural Gas (Select)	Property Location in United States	Northern Localities	
Energy Factor of Domestic Hot Water Heater:	0.93 EF	Heating Fuel Tariff	\$1.26 \$/Therm	
Hot Water Discharge Temperature at Faucet	120.00 °F	Water Tariff (\$/1000 Gal)	\$6.58 \$/kGal	
Equivalent Heating Fuel Savings: Savings Discounted by 15% to Account For Cold Water Use	45 Therms	Annual Cost Savings In Form of Water	\$49 \$	
Annual Water Savings	7.44 kGal	Annual Energy Savings From Water Heater	\$57 \$	
COST BENEFIT ANALYSIS				
Estimated Total Annual Cost Savings	\$106 \$\$	Estimated Total Installation Cost	\$156 \$\$	
Simple Payback Period	1.48 Years	Type of Recommendation	No/Low Cost ECM Recommendation	

Disclaimer: PREPARED BY EMG. JANUARY 2014, INFORMATION CONTAINED IN THIS DOCUMENT IS PRIVILEGED AND CONFIDENTIAL "TRADE SECRET" AND IS THE SOLE PROPERTY OF EMG CORP. THIS MATERIAL MUST BE CONSIDERED PRIVILEGED AND CONFIDENTIAL BY ALL PARTIES PRIVY.

ECM EXPLANATION:

By reducing the flow of water coming from the restroom faucets, aerators can generate energy savings at low cost and with easy installation. The savings generated would be in the form of reduced water and sewer costs and at the same time aerators would save energy by reducing the demand for hot water. The average faucet has a flow rate of about 2 to 4 GPM. Adding a screw-in faucet aerator reduces the flow to 0.5 to 1.5 GPM in the bathroom and 2.2 GPM in the kitchen. In addition to saving energy and water, the "foamier" water that comes from faucet aerators wets objects better than water from a faucet with no aerator, which tends to bounce off the object rather than thoroughly wetting it.

EMG recommends replacing the proposed faucet aerators with new low flow aerators as mentioned above. The proposed ECM shall also result in an annual energy saving in form of reduction in water heating bills.

Summary:

Initial Investment:	\$156.38	Estimated Annual Cost Savings:	\$105.97	Simple Payback Period (Yrs):	1.48
---------------------	----------	--------------------------------	----------	------------------------------	------

UIC	Install Low Flow Restroom Flush Tank Toilets	
EAP3	Details: Replace existing with Energy Star	
EXISTING CONDITION		
Total Occupants:	20	
Number of Water Closets To Be Replaced	1	
Number of Occupied Days Per Week (Max 7)	7	
Number of Occupied Weeks/Year (Max 52)	52	
Estimated Restroom Usage/Individual/Day	4	(Select)
5.05 flushes/person/day@American Water Works Association (AWWA)		
PROPOSED RETROFIT/REPLACEMENT		
Water Closets With External Flush Tanks		
Existing Gallons Per Flush Ratings For Water Closet Flushes	1.60	GPF
GPF of Proposed New Low Flow Water Closet Fixture*	1.28	GPF
*(Federal Law Requires All Flushes Not To Exceed 1.6 GPF)		
Water & Cost Saving Calculations		
Water Savings By The Use of Low Flow Water Closet Flush Valves/Day	25.60	gal
Total Annual Water Savings in gallons	9.32	kgal
Cost Savings Calculations		
Enter Water Tariff Rate (\$/1000Gal)	\$6.58	\$\$
Estimated Cost Savings From Water	\$61	\$\$
Estimated Cost of Retrofit		
Estimated Total Cost For Retrofit**	\$649	\$\$
**\$549/WC replacement		
Simple Pay Back Period	10.58	Yrs
Type of Recommendation	No/Low Cost ECM Recommendation	

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ECM EXPLANATION:

The highest water utilization at any home/office occurs in the restrooms. It is estimated that on an average a normal human being uses the restroom at least four times a day. Keeping with the global water conservation objectives, federal law prohibits use of any new water closet flushes over 1.6 GPF.

Existing toilets can be retrofitted with pressure-assisted flush technology to reduce the flush rate to 1.0 GPF or less. Though water efficient these toilets make considerable amount of noise as this involves release of pressurized air during the course of flushing. Thus making them unpopular among residential properties.

Thus EMG recommends replacing the existing high flow toilets with new low flow 1.28GPF rated flush tank toilets, which are comparatively more water efficient at the same time considerably quieter as compared to the pressure assisted technology retrofitted toilets.

Summary:

Initial Investment:	\$649		
	Simple Payback:	10.58	Years
Annual Cost Savings:	\$61		

Date: 18 July 2018

NAME - (PRINTED)

ITEM #

EMAIL ADDRESS

PHONE #

WARD

Dan Girard

MARK MONAHAN

Answered

IB Deep @ 201.1m for 5785376

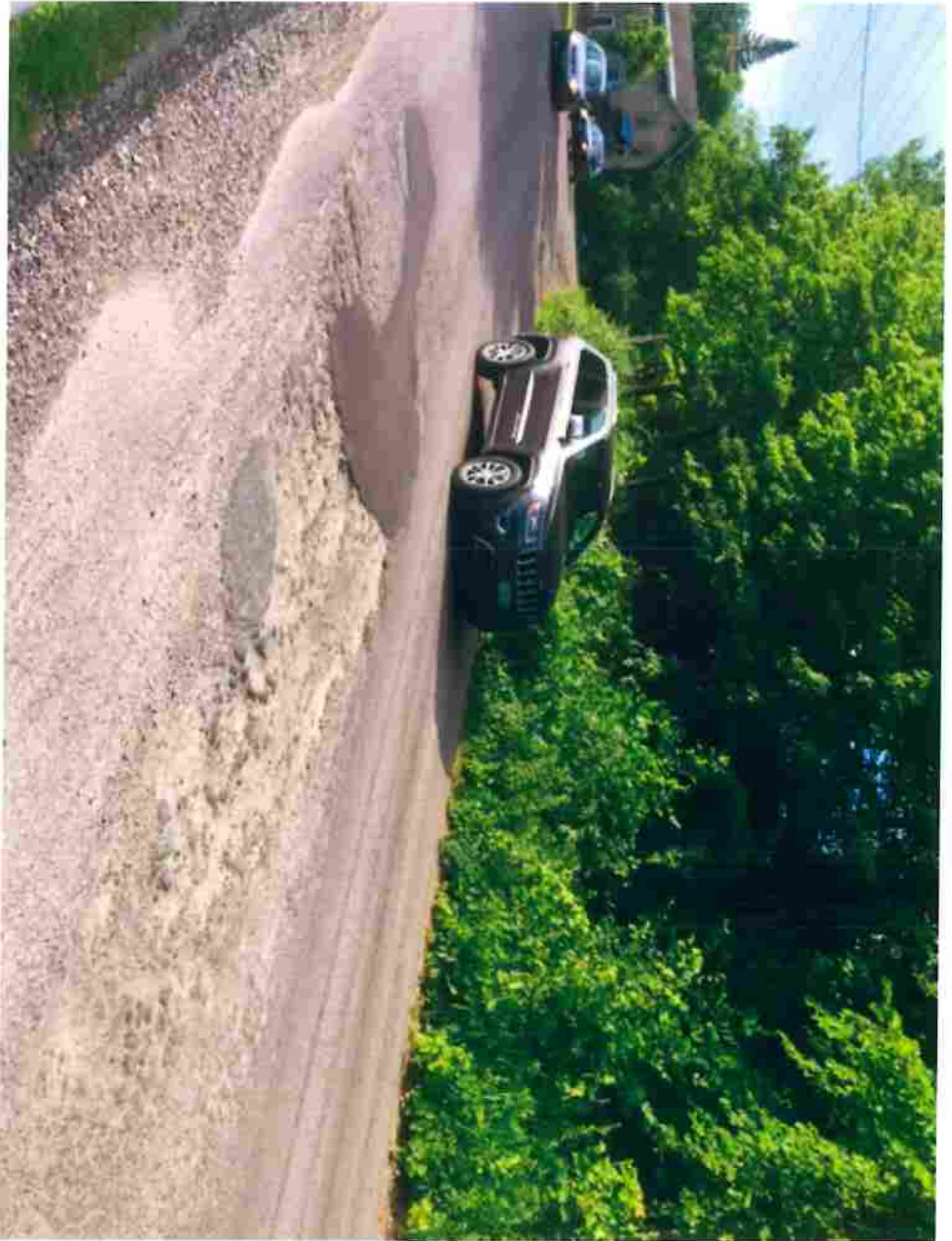
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antiredd-77@gmail.com 861-9244

Please note that this sign-in sheet and any information provided on it will be maintained as a public record and may be subject to disclosure under the Vermont Public Records Act.



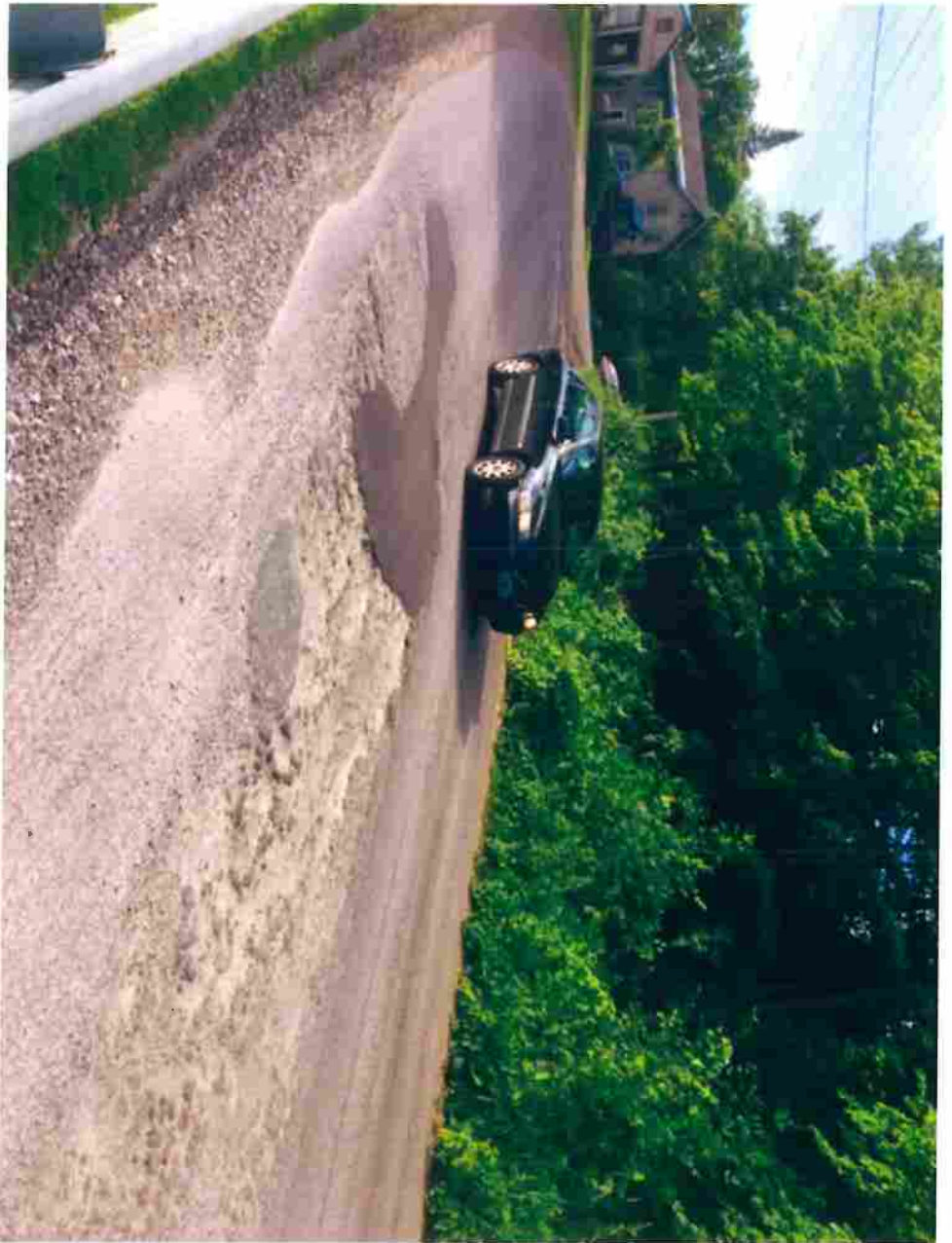












BURLINGTON PUBLIC WORKS

Wastewater and Stormwater Management Update

7.18.18



Clear Progress, More to Do

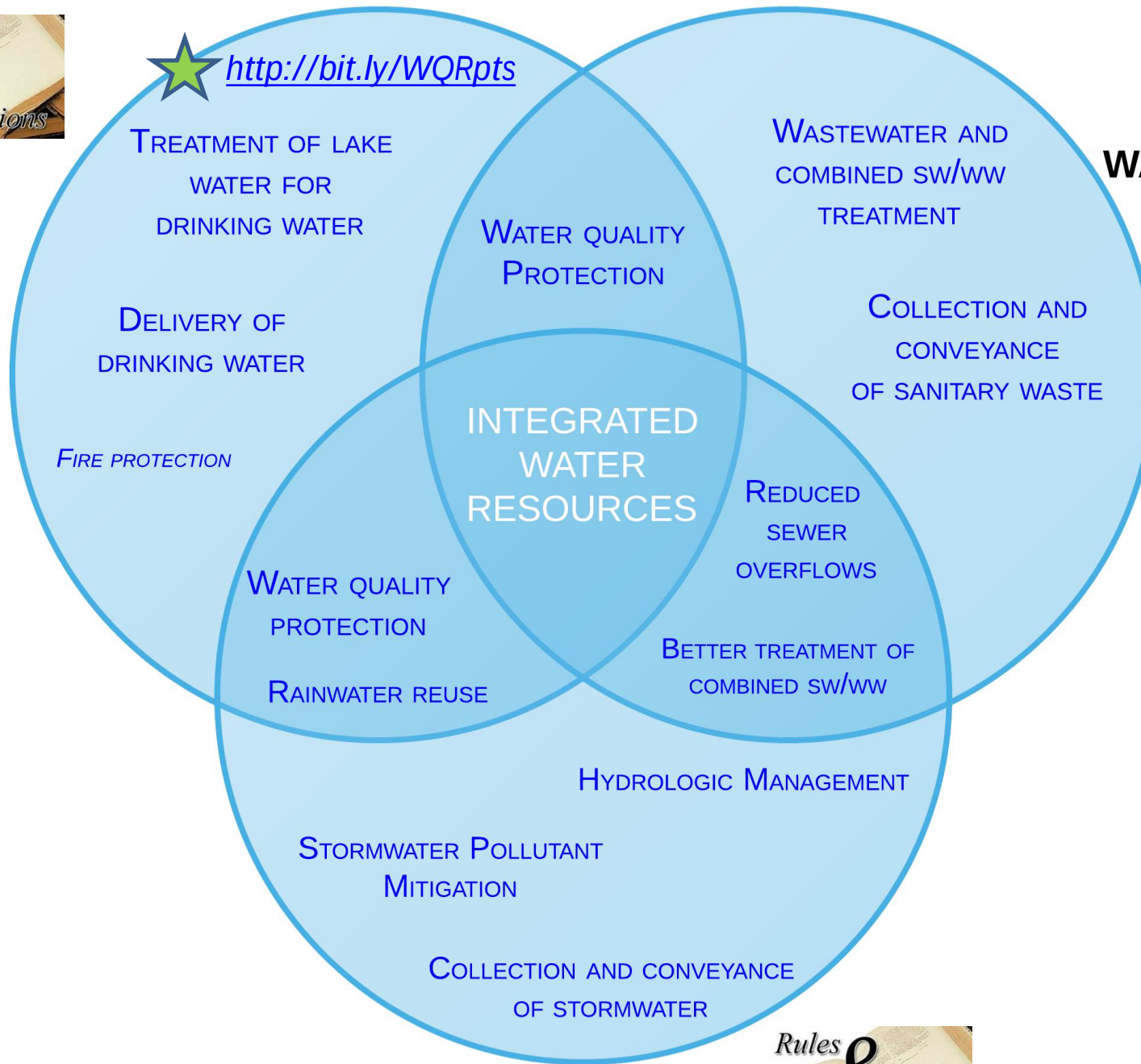
- Any one gallon of less than fully treated and fully disinfected discharge is too many
- While unfortunate and unplanned, recent discharges from the plant have been fully treated according to wet weather standards and all but one discharge have been at least partially disinfected. Stormwater makes up the greatest volume of this flow.
- Act 86, signed in 2016, rightfully requires enhanced public reporting around unpermitted discharge from the plant and untreated CSO (from the collection system) discharge events. We are more likely to hear about these events than we did in the past.
- In the last generation, there has been clear progress in dramatically reducing the number of gallons of untreated, non-disinfected discharge. Before the 1994 Wastewater Improvement Project an estimated average of more than 170 million gallons of untreated Combined Sewer Overflow was entering Burlington's waterbodies.
- CSO points around the City have been reduced from 12+ to 5, with less frequent discharges occurring for most of the remaining CSOs since the most recent wave of implementation subsequent to the launch of the Stormwater Utility in 2009.
- Blanchard Beach was closed from the early 90's until 2007. We now manage beach closures in days rather than weeks or years. Of course, more progress is necessary.
- Integrated Planning and Green Infrastructure Implementation will continue these favorable trends



WATER



<http://bit.ly/WQRpts>



WASTEWATER

STORMWATER

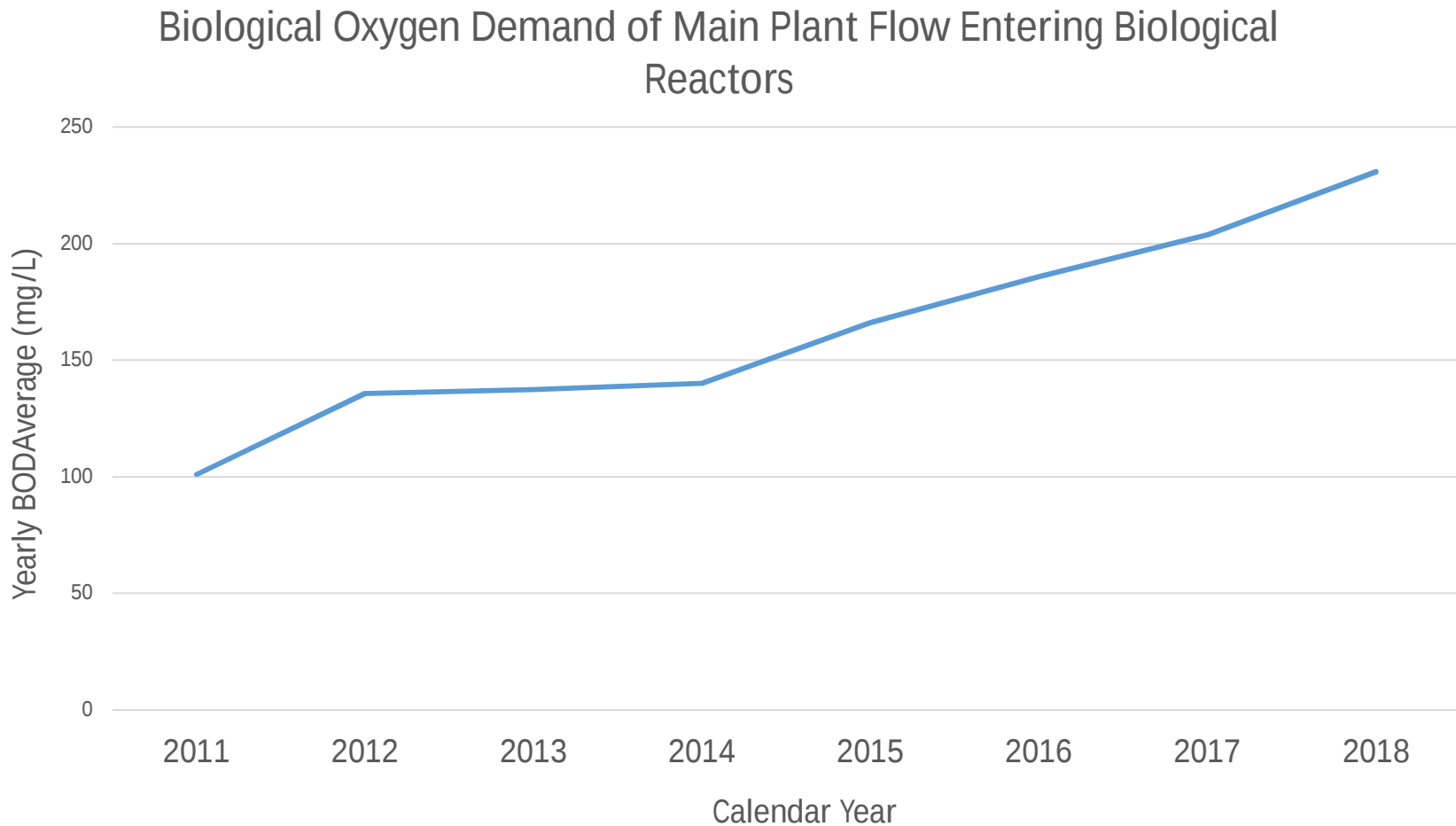


Unauthorized WW Incident Management

Incident	Actions
April 16: Release of 7.1M gallons of treated and partially disinfected effluent from Main WWTP due to valve failure during storm event	• Immediately replaced wet weather disinfection chemical feed valve • Add chemical feed valve area to capital upgrade re-design and implementation plan • (Also see July 10 incident response actions)
May 21: Release of ~500 gallons of WW into Flynn Ave constructed wetland due to paving contractor plugging sewer main	• Billing the contractor for cost of clean up and monitoring • Requiring paving contractors to contact City inspector in any instance of disturbing subterranean infrastructure
June 2 & 4: Release of 1.8M gallons of treated and partially disinfected effluent from Main WWTP due to stressed biological process (nutrient imbalance) and storm event	• Drafting full written incident report; submitting to DEC • Adjusted staffing during intense storms until biological process is back to health • Accelerating pollution prevention plans (P3) with breweries (including enhanced sampling); developing comprehensive P3 program for all high strength dischargers. Met with brewers 6/8 and 6/12 • Working with National WW Treatment expert on possible capital improvements to handle increased BOD

Main Plant's discharge volumes in these incidents are directly related to the size and intensity of the storm events. Additionally, storm events can exacerbate WWTP process challenges.

Increasing Strength (BOD) of Wastewater in Main Plant Flow



Typical domestic WW = 250 mg/L

Brewery/Cidery WW ranges from 4000-15,000 mg/L

July 10 WW Incident Management

Incident	Actions
July 10: Release of 3.3 M gallons of treated and non-disinfected effluent from Main WWTP due to computerized control (PLC) failure during storm event	• On-call staff responded and manually operated the pumps to achieve disinfection of remainder of the storm • Immediately re-wired disinfection system to be operated by primary computer control system. • Maintaining increased staffing during storm events • Issued scopes of work to assess and upgrade disinfection system and engaged qualified consultant (7/17/18) • Computerized control system (disinfection PLC and Main PLC) • Mechanicals and electrical system

Main Plant's discharge volumes in these incidents are directly related to the size and intensity of the storm events. Additionally, storm events can exacerbate WWTP process challenges.

Okay...

**BUT WHY IS MAIN WW PLANT
SIGNIFICANTLY INFLUENCED BY STORM
EVENTS?**

Collection System – Untreated CSO Primer

Prior to 1994, the City had 12+ Untreated Combined Sewer Overflow points

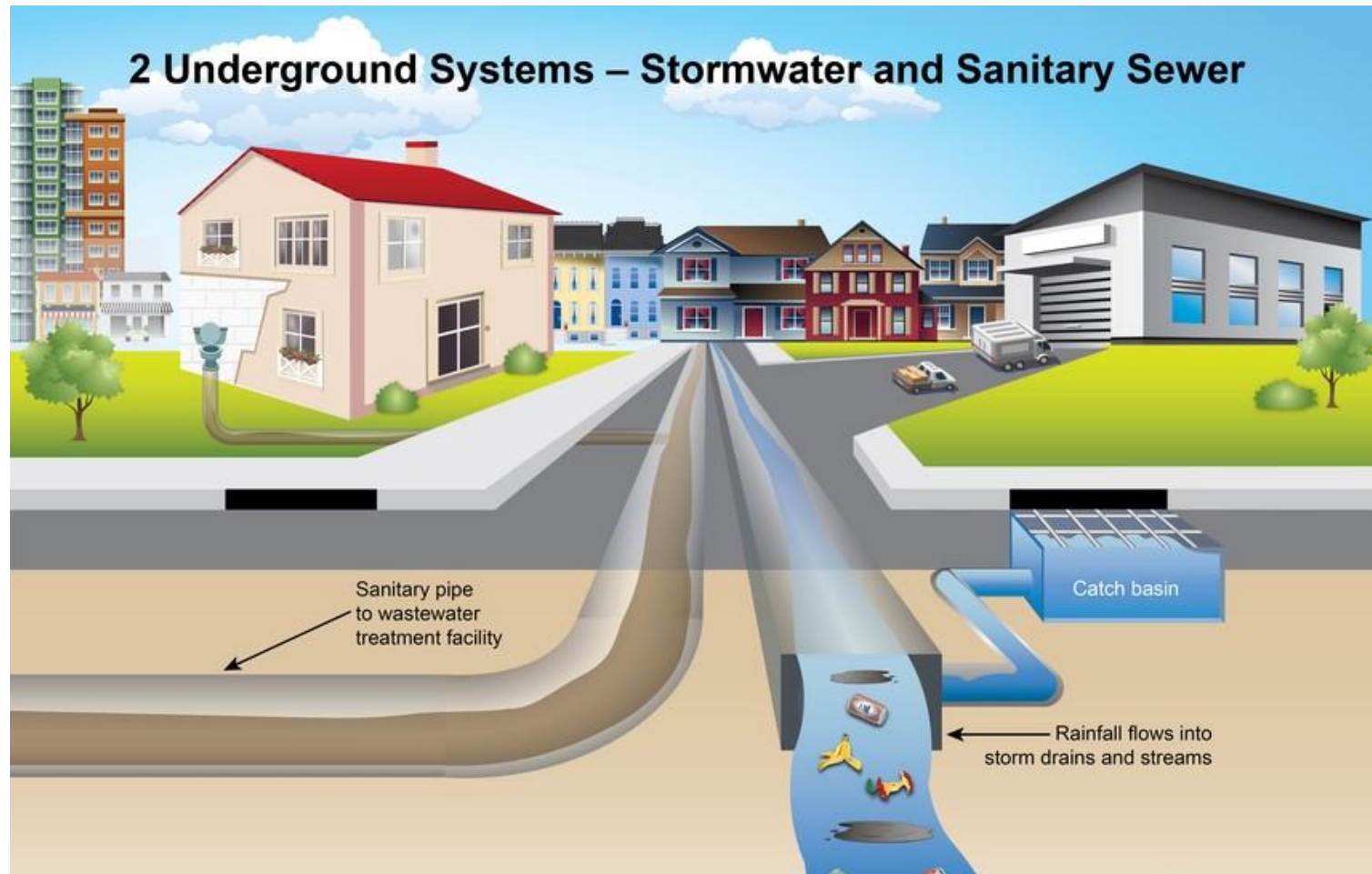


Under normal conditions, wastewater goes directly to the wastewater treatment plant

When a large rain event occurs, stormwater joins wastewater and excess flows get discharged into nearby streams

Collection System – CSO Elimination

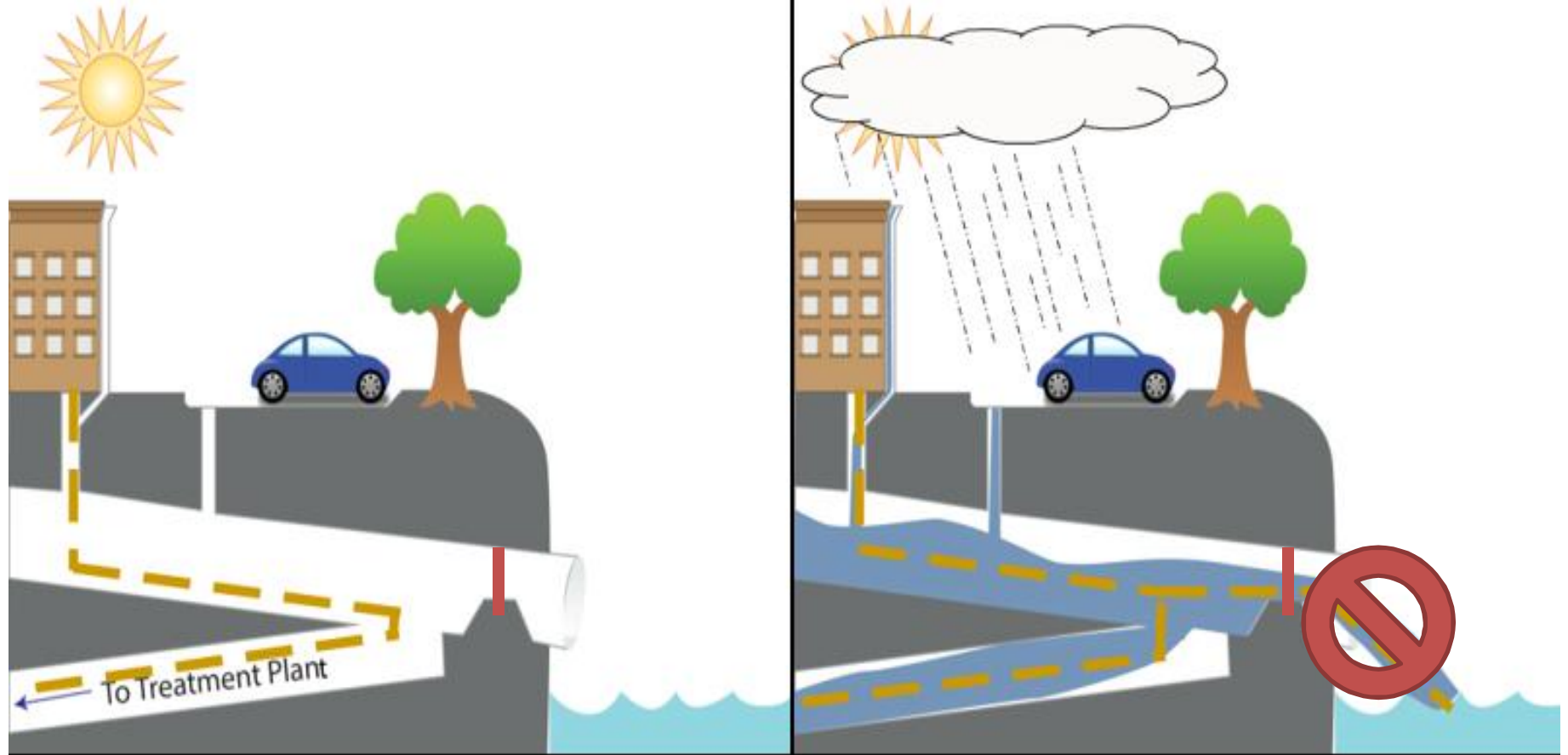
Through sewer separation (unfortunately without treatment)



Unfortunately we now know that untreated stormwater runoff can have long term chronic impacts such as nutrient loading and bacteria pollution.

Collection System – CSO Treatment

Through end of pipe wet weather treatment



Under normal conditions, wastewater goes directly to the wastewater treatment plant

In Burlington, storm events up to 0.15"/hr go through full WW treatment; > 0.15"/hr get Wet Weather treatment – screening and disinfection

When a large rain event occurs, stormwater joins wastewater and excess flows get discharged into nearby streams

CSOs were eliminated except for 5 locations in the City where local pipe capacity causes overflow

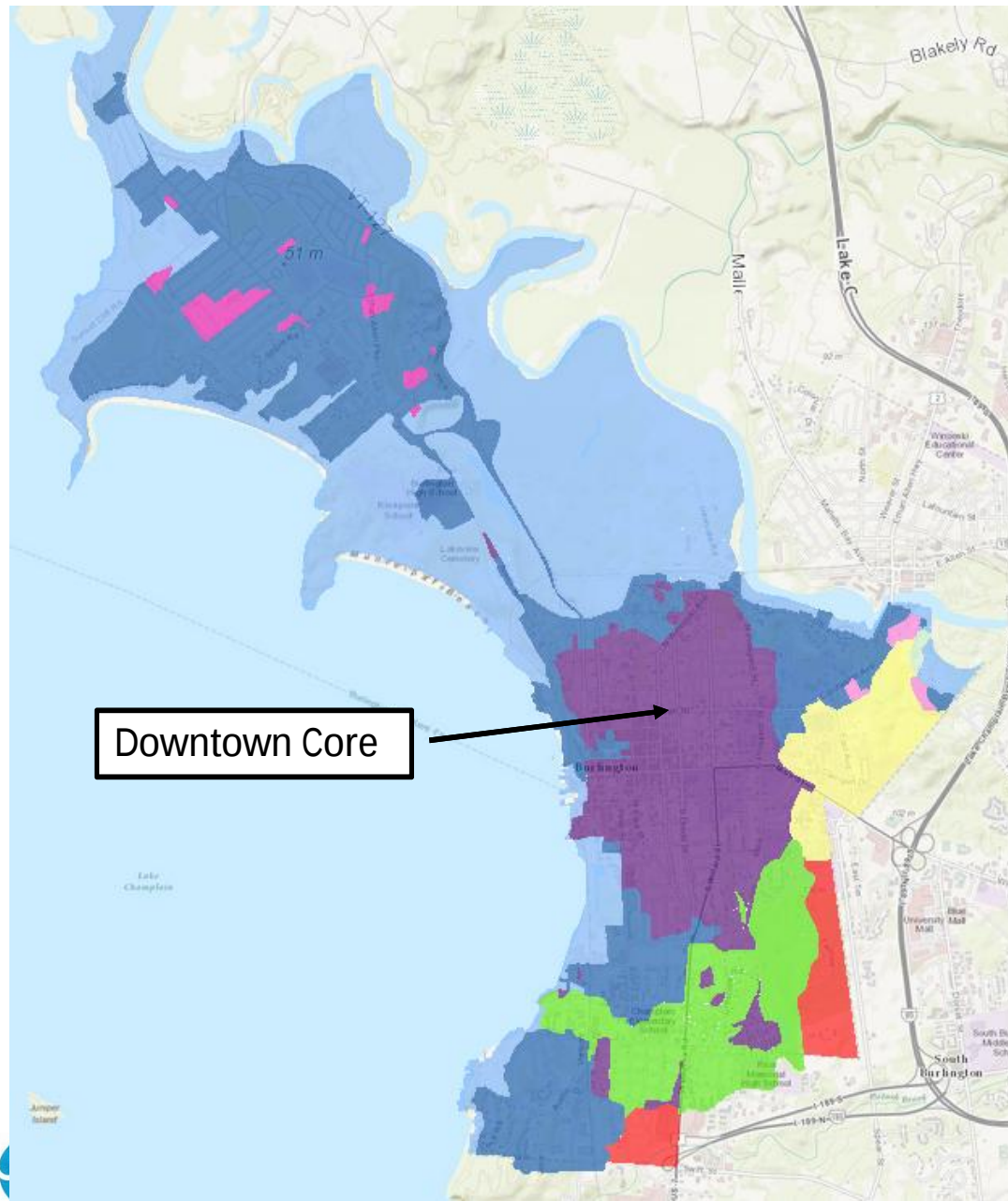
Early 1990s: \$52 M Wastewater Bond : Upgraded WWTPs and Significantly Reduced # and Volume of Untreated CSOs

Up until early 1990s – 12+ CSO	Today – 5 Locations
Gazo Ave	Gazo Ave
Manhattan @ Park St	Manhattan @ Park St
Manhattan @ N Champlain St	Manhattan @ N Champlain St
Colchester Ave (not ID'ed until 2010)	Colchester Ave (not ID'ed until 2010)
Pine St @ Lakeside (not ID'ed until 2015)	Pine St @ Lakeside (not ID'ed until 2015)
Bottom of Maple St	
Bottom of College St	
Howard St	
Marble Ave	
Englesby Brook (multiple points)	
Main WWTP (shoreline discharge with no treatment or disinfection)	

An estimated 170,000,000 gallons of Untreated Combined Sewage was being discharged annually prior to 1994 WW upgrades



Burlington Sewersheds/ Watersheds



Drainage Area		Remaining Combined Sewer
1.1 Main Plant	}	
1.2 North Plant		
1.3 East Plant		
2.1 Englesby Brook		
2.2 Centennial Brook		
2.3 Potash Brook		
3 MS4 (Non Impaired)		
4 Direct Discharge (Non Impaired)		

- 26% of sewered land area 37% of City's total impervious area drains to Combined Sewer (3 WWTPs)
 - Main WWTP Plant Combined Sewer Area has very high % imperviousness (~57% avg)

Collection System – Remaining Untreated CSOs



Today – 5 Locations

Gazo Ave

Manhattan @ Park St

Manhattan @ N Champlain St

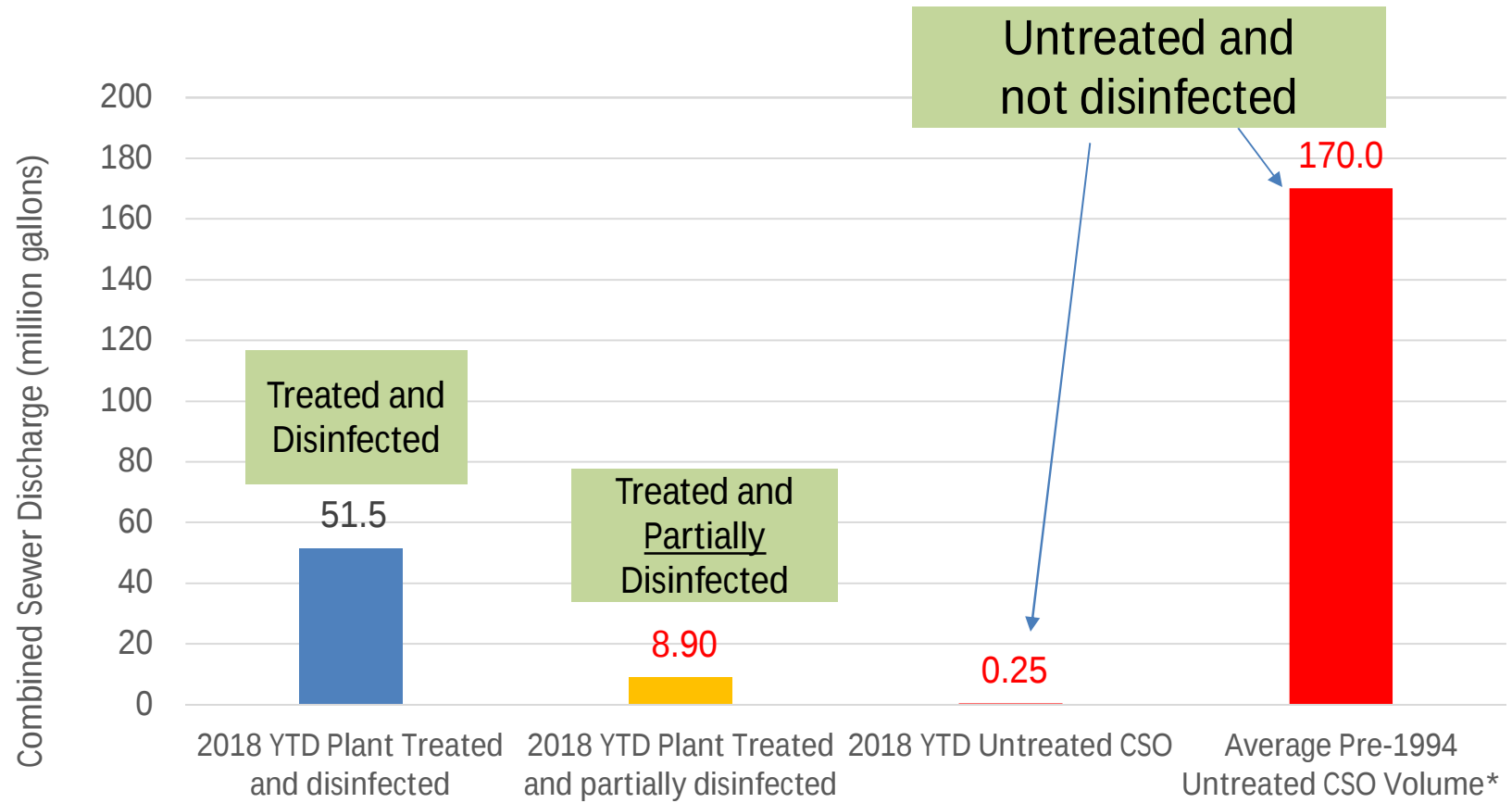
Colchester Ave (not ID'ed until 2010)

Pine St @ Lakeside (not ID'ed until 2015)

Pine Street CSO is the most active CSO

Main Wastewater Plant

Comparison of Combined Sewer Discharges Pre 1994 to 2018 Through 7/1/18



*Pre-1994 estimate is based on average annual combined sewer wet weather flows treated by Vortex between 2001 and 2017.

See <https://www.burlingtonvt.gov/DPW/Water-Quality-History>.

Authorized Wet Weather Flow Incidents

Incident	Actions
January 12: 81 minute and ~68,000 gallons Pine Street Barge Canal CSO from 0.54" storm event, peak of 0.27"	• Continue to implement Chapter 26 stormwater management requirements and Wastewater offset requirements for larger projects • Advancing integrated planning (including CSO Long Term Control Plan) • Installing flow meters for improved Hydrologic/Hydraulic modeling • Identifying/prioritizing Wet Weather management projects • Increasing WW and SW capital reinvestment, coordinated with other City reinvestment projects • <u>Enhancing downstream sampling of waterways to determine possible recreation impacts during recreation season</u>
April 16: 47 minute ~40,000 gallons Pine Street Barge Canal CSO, 0.79" rainfall, peak intensity 0.17" (possible snow melt/frozen/saturated ground influence)	
June 18: Release of ~145,000 gallons (>90% SW) from Pine St CSO point into Barge Canal from 2.28" storm event with two peaks of intense rainfall	
55 second CSO from Gazo	

Stormwater Management

- Launched Stormwater utility in 2009 – 2nd in state
- Greater regulatory review of new developments (Chapter 26 of City Ordinance)
 - Required to manage at least 50% of current impervious
 - Required to manage 100% of new impervious
 - Large projects required to take additional SW off Combined Sewer system to offset their projected WW flows (Cambrian Rise, City Place Burlington, etc.)
- Embedding SW management into City infrastructure projects (Paving, Traffic Calming, Great Streets, City Hall Park, Champlain Parkway)
- Underway with Enhanced Illicit Discharge Detection & Elimination (IDDE) efforts

Collection System – Improving Untreated CSO Trends

Frequency of Untreated CSOs 2005 through 6/18/18

Year	N. Champlain	Park	Gazo	Colchester	Pine Street	Notes
2005	3	12	1	UNK	UNK	
2006	1	11	3	UNK	UNK	
2007	3	8	2	UNK	UNK	
2008	2	13	?	UNK	UNK	
2009	4	8-9	?	UNK	UNK	
2010	0	5	?	2	UNK	Colchester Ave CSO discovered through mapping/outfall visits
2011	1	9	1	3	UNK	Gazo, North Champlain and Park frequency and Volume reduced by ARRA projects 2010-2012
2012	1	6	1	9	UNK	
2013	4	6	2	10 - 13	UNK	Wet year
2014	0	1	1	2	UNK	Colchester CSO improved through pipe cleaning downstream
2015	0	3	1	0	8	Pine Street Discovered through mapping
2016	0	1	0	0	5	
2017	0	1	1	0	8	
2018 YTD	0	0	1*	0	3	Late 2017 conducted significant cleaning of downstream section

Note: Frequency data do not show decreases in duration or volume, particularly for Park and Gazo; nor adjust for the impact of wet/intense rainfall years such as 2011 and 2013.

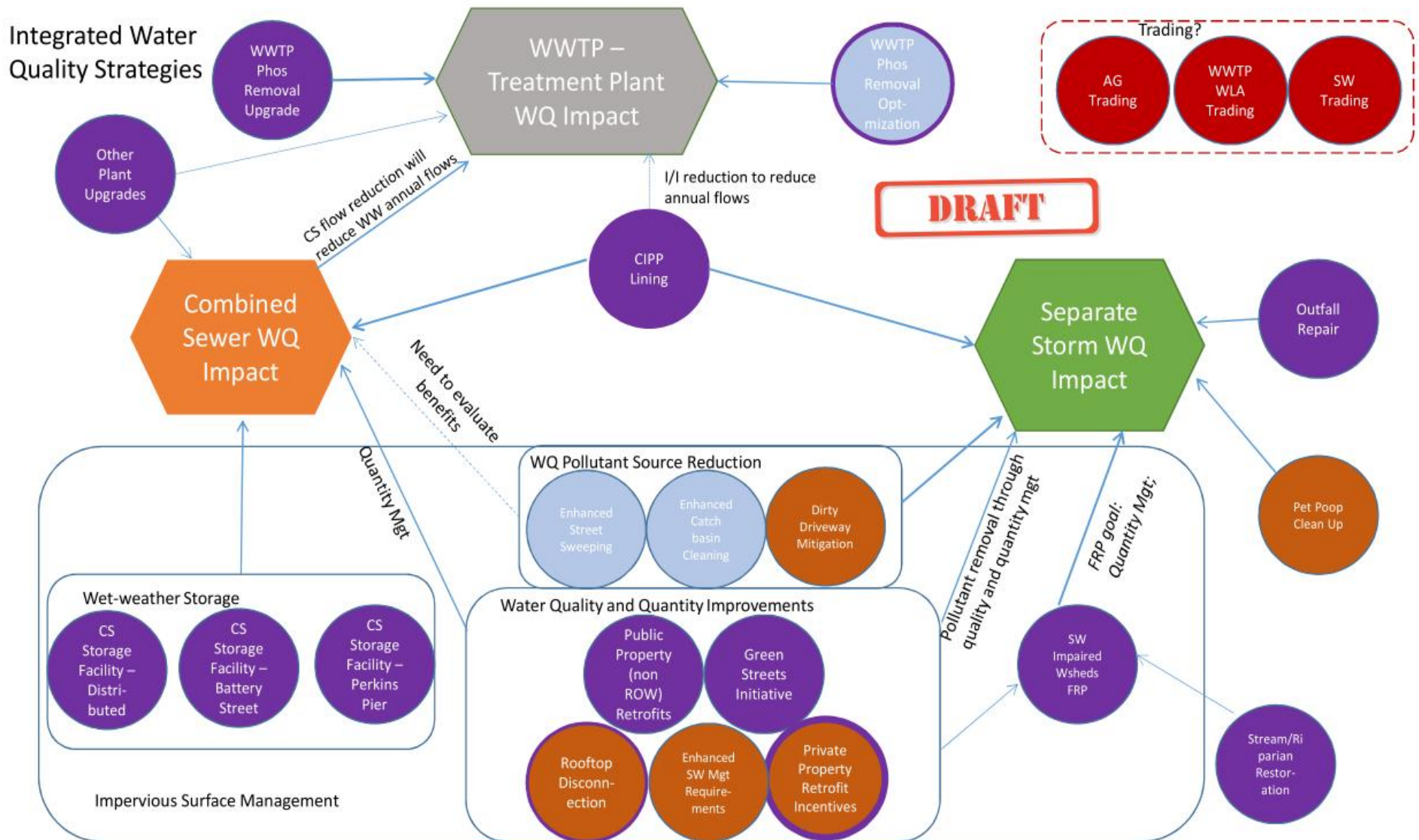
UNK = Previously unidentified CSO point, no data available

? = data not easily available, still researching

Range provided when unclear or multiple events on one day

* Gazo discharged for 55 seconds on 6/18/18

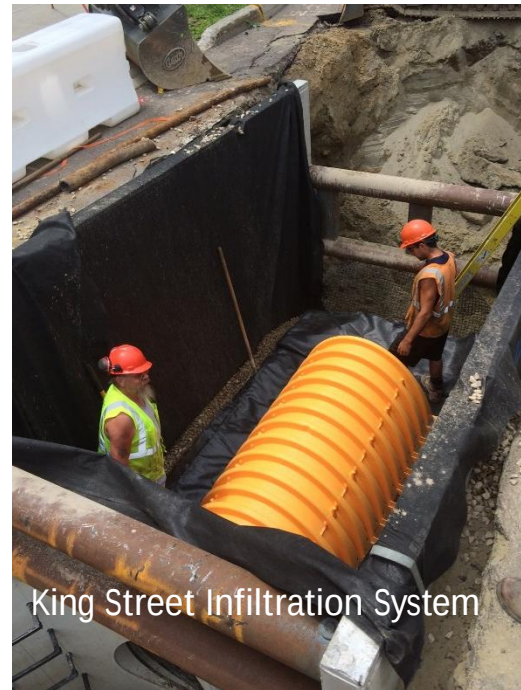
INTEGRATED WATER QUALITY PLANNING 2017-2019



Water Resources Wet Weather Work



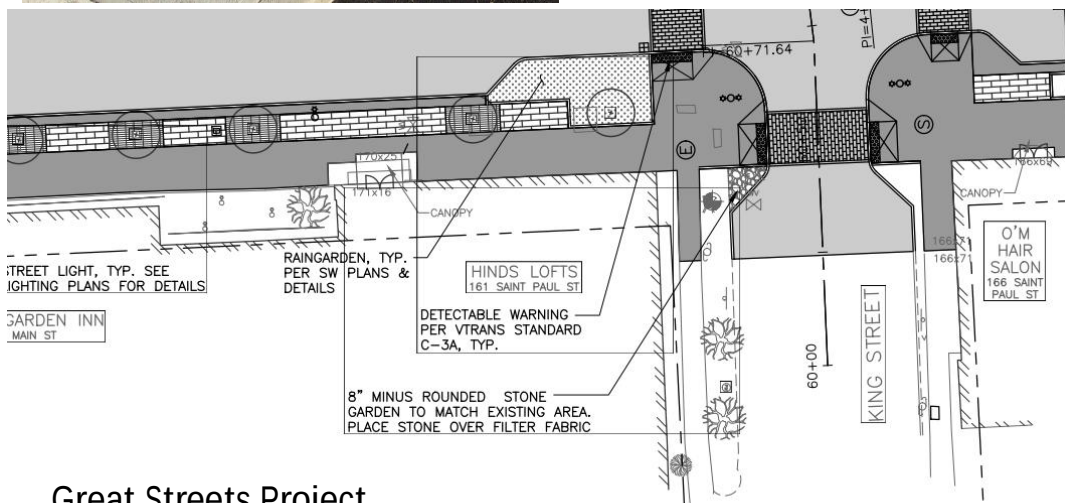
Grant Street Infiltration System



King Street Infiltration System



Upper North Infiltration Bumpouts



Great Streets Project

Additional Implementation:

- Hyde Street Bioretention
- S. Winooski SW Sidewalk
- Park Street Infiltration System
- Russell Street Infiltration System
- North Ave Infiltration System
- Allen Street Infiltration System
- Booth Street Bumpouts
- Possible Separate SW Outfall for Railyard Enterprise Project



Looking ahead to FY 20 and beyond

Challenges

- Future Water Resources Borrowing Needs to Meet Existing Capital Needs and Implementation of Next Wave of Water Quality Improvements
 - Wastewater:
 - Replacement of existing treatment system components at WWTPs and pump stations (\$8-10M)
 - Existing Collection System Pipe capital needs (~\$1M/year for 5 years)
 - Lake Champlain TMDL possible plant upgrades
 - Biosolids management
 - Stormwater
 - Existing Collection System Pipe capital needs (~\$1M/year for 5 years)
 - Existing Outfall Repair (\$3 M to fix top 11 worst outfalls)
 - Lake Champlain TMDL impervious retrofits
 - Englesby Bacterial TMDL
 - Stormwater Impaired Streams TMDL
 - Combined Sewer Overflow Management

*Bond Vote Plan
due December 1
for Town Meeting
Day 2019 Vote*

Public Resources

- Detailed Informational Releases

- <https://www.burlingtonvt.gov/Press/Water-Resources%E2%80%99-Statement-on-April-16-Wet-Weather-Event-Partially-Disinfected-Release-into>
- <https://www.burlingtonvt.gov/Press/PUBLIC-WORKS-STATEMENT-ON-SANITARY-SEWER-OVERFLOW-EVENT>
- <https://www.burlingtonvt.gov/Press/PUBLIC-WORKS-STATEMENT-ON-CONTINUED-BEACH-CLOSURE>
- <https://www.burlingtonvt.gov/Press/Water-Resources%E2%80%99-Statement-on-June-2-4-Wet-Weather-Events-Partially-Disinfected-Release-into>
- <https://www.burlingtonvt.gov/Press/PUBLIC-WORKS-STATEMENT-ON-JUNE-20TH-BEACH-CLOSURES>
- <https://www.burlingtonvt.gov/Press/public-works-statement-on-july-10th-wastewater-treatment-plant-discharge>

- Water Quality History Document

- <https://www.burlingtonvt.gov/DPW/Water-Quality-History>

- DPW is planning to host a public engagement opportunity on Water Quality



Questions ?

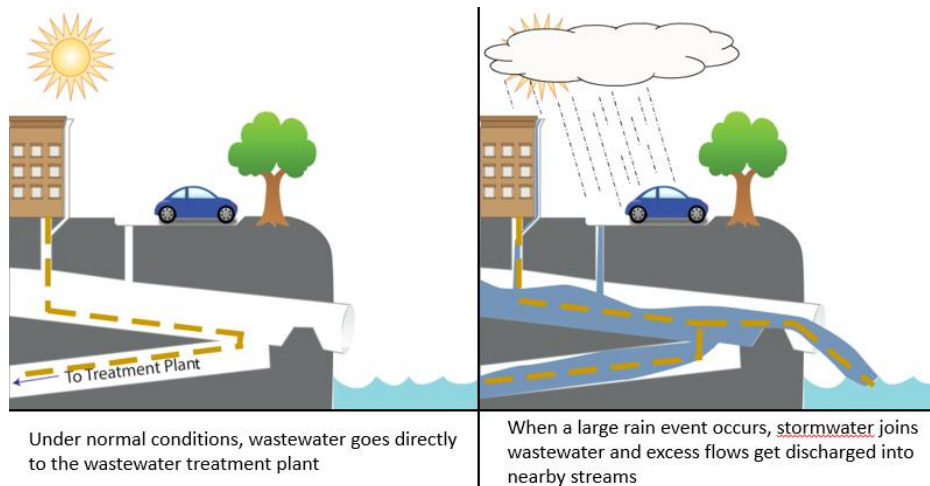


Burlington's Water Quality Journey (Written by M.Moir, 6/11/18)

Our Water Quality Past:

Despite the fact that sewage treatment in Burlington was discussed as early as 1905, the first large scale sewage treatment plant (Main Wastewater Treatment Plant) was not built until 1953, with North Plant and Riverside Plants built in 1961 and 1963 respectively. Main Plant was reportedly the first large scale sewage treatment plant built in Vermont. Before this time, Burlington was discharging the raw waste from its inhabitants and industries directly into Burlington Bay, Englesby Brook and the Winooski River. Until the 1920s, when gas chlorination was added to the drinking water filtration plants, waterborne illness was a common issue for Burlington's citizens cited in the City's Annual Reports. (See Water Resources History [https://www.burlingtonvt.gov/DPW/History](https://www.burlingtonvt.gov/DPW/History;);)

The Wastewater Treatment Plants (WWTPs) were all upgraded for additional flow capacity and treatment improvements in the 1970s. Meanwhile, all throughout this time and even after the 1970s upgrade, the City had a number of "sewer relief points" which we now call combined sewer overflows (CSOs). As was typical of older cities, much of Burlington had only one pipe to carry both sanitary waste and stormwater flow away from the buildings and streets. Anytime the volume in the combined sewer system exceed the capacity of the wastewater treatment plant (or in some cases the local pipe network) a mixture of stormwater and untreated sewage would discharge to waterbodies around Burlington (see below). This was to protect the WWTPs and also prevent discharges from the water backing up until people's homes, but obviously had water quality impacts. To this day, there are nearly 860 communities across the United States that still have combined sewer systems (<http://bit.ly/EPACsos>).



Up until the 1990s, as Burlington grew there were on-shore sewage discharges whenever it rained to the Lake and frequent beach closures (<http://bit.ly/BacT1990>). Burlington voted for a \$52 Million Bond¹ to upgrade the WWTPs to improve phosphorus removal, and most importantly to greatly reduce the frequency and volume of untreated CSOs. Based on measurements of what our wet weather system treats now, it is estimated that an average of 170 million gallons of untreated, undisinfected combined

¹ The \$52 Million covered 3 plant upgrades, re-piping to capture existing CSOs and convey them to Main Plant and sewer separation where sewer separation was possible. Approximately \$30M was spent on the Plant upgrades, with \$22M spent on Main Plant upgrades alone. The remainder was spent on sewer separation.

sewer overflows were discharging to the Lake, the Winooski River and Englesby Brook on an annual basis until the upgrade in 1994.²

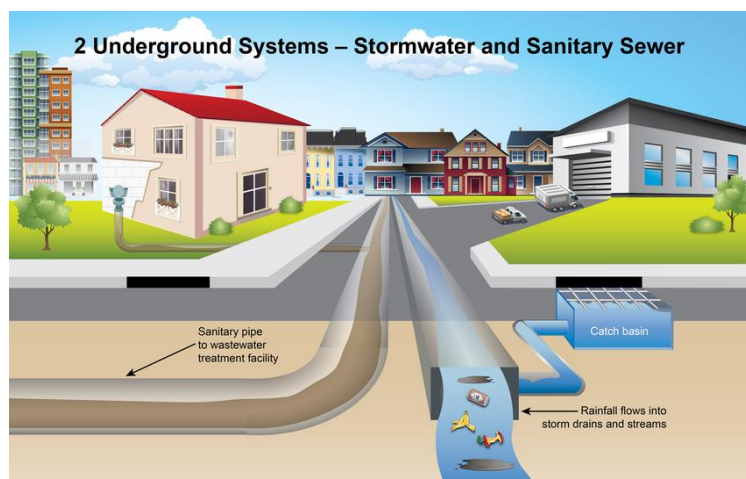
Untreated CSOs eliminated as part of upgrade:

- Bottom of Maple Street
- Marble Avenue
- Howard Street
- Bottom of College Street
- Main WWTP CSO (on-shore with no treatment or disinfection)
- Englesby Brook (various)*

Untreated CSOs still remaining after upgrade (see “Recent Improvements” for additional information on these CSOs)

- Gazo Avenue (frequency reduced due to sewer separation)
- Manhattan at Park Street
- Manhattan at North Champlain
- Colchester Avenue (discovered in 2010 during field visits of stormwater outfalls)
- Pine Street (discovered in 2015 due to mapping updates)

The strategy in the 1990s design for CSO abatement (either elimination or reduction of frequency) was two-fold. Sewer separation and CSO treatment. In areas where it was feasible, a separate storm sewer was installed so that the stormwater flow would not commingle with the sewage.



In other areas where this was more challenging, combined sewer flow was intercepted and conveyed to Burlington's Main Wastewater Treatment Plant where it could be treated (solids removal) and disinfected to mitigate its water quality impacts (the New England region's first Vortex treatment and disinfection system – see <http://bit.ly/2JsaCao>). Main Plant's overall average daily dry weather capacity

² This estimate is based on the amount of Combined Sewer Wet Weather Flow that the current Main WWTP treats in its Vortex screening and wet weather disinfection system. 2001 – 2017 time period, average gallons treated = 170 MG, with 315 MG and 270 MG treated in 2011 (Hurricane Irene Year) and 2013 (frequent intense rain storms).

was increased to 5.3 million gallons per day (MGD), and it was also designed to be able to handle and provide the full range of treatment processes (primary clarification/settling, biological treatment, secondary clarification/settling and disinfection) for smaller storm events and for the slug of waste concentrated by the Wet Weather Vortex solids separator, up to 13 million gallons. This is substantially more treatment than typical separated stormwater receives. The CSOs that remain are all related to downstream pipe capacity.

Table 1: Volume of Combined Sewer Wet Weather Flow Treated and Disinfected in the Vortex System
(Does not include volume treated by WWTP)

Year	Millions of Gallons	Notes
2001	58	drought year
2002	146	
2003	140	
2004	154	
2005	170	
2006	272	
2007	124	
2008	167	
2009	161	
2010	194	
2011	315	Hurricane Irene
2012	128	
2013	270	Intense Summer Rains
2014	163	
2015	176	
2016	98	very dry
2017	167	
Average	170.7647	
Median	163	
Max	315	
Min	58	

While the storm events that are conveyed to Main Plant can present additional operational challenges, this design does greatly reduce the water quality impacts presented by our combined sewer design and keeps a great deal of untreated combined sewer volume out of our waterbodies. Sewer separation is not without its water quality impacts since we now know stormwater also contains many pollutants (including bacteria from wildlife and pet waste) and discharging stormwater to water bodies over the long term can cause chronic pollution due to nutrients, sedimentation and other pollutants (see: <http://bit.ly/BacT1990>). Again, without the installation of the Vortex, Burlington would either still be having massive volumes of untreated combined sewer overflows or would have had to borrow millions more to fully separate. Rough estimates for complete sewer separation (putting in a new storm pipe on streets where only combined sewers exist) would likely be well over \$100 million, and that would not include the installation of stormwater treatment necessary to manage long term stormwater pollution.

Burlington does continue to pursue sewer separation where it makes sense, such as when we determine that a roof drain is connected to the combined sewer system (as roof water adds volume but is not as

dirty as pavement surfaces), but overall, recently we have been focusing on managing the stormwater in the combined sewer system at its source – that is, either reducing the inputs through allowing the stormwater to infiltrate into the ground (reconnecting it to its natural hydrologic cycle) or storing the stormwater and releasing it slowly to the system in a flow rate that the WWTP can fully treat in its full treatment train. Where possible, Burlington prefers implementation of green wet-weather infrastructure to maximize benefits to the community, since green infrastructure not only manages stormwater runoff, but also adds more green space, shading, pedestrian/biking, and property value improvements than typical “grey” infrastructure (storage tanks).

Managing untreated CSOs -- Recent History

As mentioned above, Burlington does still have a few remaining untreated CSOs, including two discovered as part of the City’s outfall inspection and mapping efforts in 2010 and 2015.

- Gazo Avenue
- Manhattan at Park Street
- Manhattan at North Champlain
- Colchester Avenue (discovered in 2010 during field visits of stormwater outfalls)
- Pine Street (discovered in 2015 due to mapping updates)

Map of WWTP and CSO locations (<http://bit.ly/CSOloc>).

Monitoring of these untreated CSOs has advanced over the years, from the early monitoring with a “fish bobber” on a string that would have to be checked after each large storm event, to the CSO alarm technology installed around 2008 (to our knowledge well before any other CSO communities) which sends out emails and text messages letting staff know that the CSO has activated and when the CSO has ended. In 2018 we have purchased and are in the process of installing permanent flow meters in these locations so that we can quantify the amount of combined sewer overflow that occurs in each event. Currently, we have to estimate the volume based on pipe size and duration of event.

Untreated CSO and Sewage Release Reporting

CSO reporting and public notification has also advanced over the years. In accordance with policies at the time, prior to approximately 2013, untreated CSO events were only reported directly to the Department of Environmental Conservation on our monthly Wastewater Discharge reports. Between 2013 and 2016, only untreated CSOs that were considered non-compliant (i.e. occurred during a storm event that did not meet the criteria of the 2.5”, 24-hour storm) were reported for publishing in the ANR public database. With the advent of the Act 86 public notification law(<http://bit.ly/2t3tW30>), all untreated CSOs since 2016 (regardless of the size/nature of the storm event which caused them) are reported to the ANR public notification database.

All volumes and measurements for Burlington’s treated combined sewer flows are and have been reported monthly on the Wastewater Discharge report. Per Burlington Main Plant’s permit, upsets of any portion of the disinfection system (whether the daily disinfection system or the wet weather) were required to be publically noticed within 12 hours via notification to “two radio stations and one print media” entities as well as to nearby towns, the DEC, Burlington Water and Champlain Water. More recently Act 86 added the public alert/notification system and also required the posting of beaches within 1 mile. These later requirements also apply to any situations such as a sewer back up (in the

sewer system, not the WWTP) that causes a discharge of sewage to nearby waters (usually nearby separate stormwater systems where those exist)

Managing CSOs -- Continued Implementation

As shown in the tables above, while the overall volume was greatly reduced, CSOs were still occurring. Though it was recognized that Burlington had made significant gains in CSO reduction and had greatly reduced the overall volume of discharge, there were still CSOs occurring.

Table 2: Estimated Annual Frequency of CSO events since 2005

Year	N. Champlain	Park	Gazo	Colchester	Pine Street	Notes
2005	3	12	1	UNK	UNK	
2006	1	11	3	UNK	UNK	
2007	3	8	2	UNK	UNK	
2008	2	13	?	UNK	UNK	
2009	4	8-9	?	UNK	UNK	
2010	0	5	?	2	UNK	Colchester Ave CSO discovered through mapping/outfall visits
2011	1	9	1	3	UNK	
2012	1	6	1	9	UNK	
2013	4	6	2	10 - 13	UNK	
2014	0	1	1	2	UNK	Colchester CSO improved through pipe cleaning downstream
2015	0	3	1	0	8	Pine Street Discovered through mapping
2016	0	1	0	0	5	
2017	0	1	1	0	8	
2018 YTD	0	0	0	0	1	Late 2017 conducted significant cleaning of downstream section

Note: Does not demonstrate decrease in duration or volume, particularly for Park and Gazo, nor adjust for the impact of wet/intense rainfall years such as 2011 and 2013.

UNK =	Previously unidentified CSO point, no data available
? =	data not easily available, still researching
Range provided when unclear or multiple events on one day	

Even though some of the events listed above in Table 2 were considered compliant with the 1990 State CSO Policy (which allowed CSOs to occur if the storm event had characteristics related to the 2.5", 24-hour storm, and did not require reporting), non-compliant CSOs were still occurring. Moreover, it was recognized that while the Vortex was treating wet-weather flow appropriately, any opportunity to remove or slow down stormwater in the combined sewer system would improve our overall Water Quality portfolio. As seen in Table 2, the efforts below have made gains in our CSO reduction journey.

- 2000 - A large storage tank was installed on South Prospect in between College and Main Street to attenuate (slow down) stormwater runoff entering the combined sewer system from the redesigned Upper Main Street.
- 2008 -0.5 acre of roof top at the Gosse Court Armory (now Robert Miller Community & Recreation Center) was separated from the combined sewer system (connected to the storm sewer system)
- There are a few examples in this time period (2000s) of development projects in the combined sewer system (which, because they discharge to the combined sewer system did not need a State stormwater permit) that were required to install storage tanks to attenuate their flow, but it appears these tanks were based on minimizing the increase in stormwater, not necessarily improving stormwater runoff situations.

- In 2009, the City of Burlington was the second (after South Burlington) community in Vermont to take the important step of creating a Stormwater Utility to ensure that there would be dedicated funding for continued investments in Water Quality improvements. As part of this creation, the Wastewater ordinance was updated to include stormwater requirements and the authority to require new development and redevelopment projects to more fully manage their stormwater, regardless of state requirements. (See “How Burlington Leverages Development to Improve Water Quality”)
- The most recent significant investment in mitigating wet weather runoff to the combined sewer came in 2009-2011, when the City was awarded \$1.2 Million in American Recovery & Reinvestment Act funding (50% forgiveness). With this funding, the City implemented the following:
 - o In the Manhattan Drive CSO sewersheds:
 - § Construction of 13 subsurface infiltration systems (allowing the runoff from more than 3.5 acres of impervious surface to be absorbed and never reach the combined sewer system, approximately 220,000 gallons during a 2.5” storm)
 - § Separation of a roof drain from H.O. Wheeler (0.55 acres, 36,600 gallons)
 - § Frequency of CSOs at Manhattan/North Champlain has nearly ceased (with the exception of 2013, a very wet year)
 - § Frequency and duration of CSOs at Manhattan/Park has greatly decreased.
 - o In the Gazo CSO sewershed
 - § Separation of roof drain for LC Hunt (1.6 acres, 106,400 gallons)
 - § Separation of roof drain for CP Smith (0.7 acres, 46,500 gallons)
 - § Frequency of CSOs and duration has stabilized at Gazo CSO.
- Since the ARRA project, Burlington Water Resources has continued annual implementation of smaller scale combined sewer reduction projects throughout the City coordinated with other investments the City is making
 - o 2013 – Infiltrating bio-retention system installed in the traffic calming bumpouts on upper North Street
 - o 2014- Infiltrating bio-retention system installed in the traffic calming/road cut off project on northern Hyde Street
 - o 2015 – Installation of permeable pavers (stormwater friendly sidewalk) and Silva cells to support tree canopy growth as part of redevelopment of South Winooski sidewalk (between Main and King)
 - o 2016 – Installation of subsurface infiltration system at Grant Street and infiltrating bio-retention bumpout coordinated with street paving and traffic calming
 - o 2017 – Installation of subsurface infiltration system at bottom of King Street.
 - o 2018 (mid June completion) – Installation of subsurface infiltration system at Park & Myrtle coordinated with street paving.
- With the discovery of the untreated Colchester Ave CSO in 2010 and monitoring showing very frequent discharge, a private contractor was hired in 2013/2014 to remove significant amounts of sediment downstream of the CSO to restore pipe capacity. Adjustments were also made to the internal weir in the CSO manhole structure. Since this time, Colchester Ave CSO frequencies have been reduced to zero.

- Pine Street Untreated CSO, discovered in 2015, has shown itself to also be easily activated. Recent flow metering and camera work show that there may be some more complexity to what is going on at this location, namely that some events that have been reported as CSOs may have actually been events where the storm sewer was overflowing to the combined sewer. This is our first permanently flow metered CSO point as of 2018. Additionally, significant pipe cleaning occurred downstream of the CSO in late 2017 and staff are monitoring this CSO very closely to determine what level of intervention remains. Abating this CSO is a prime focus of the City's Integrated Water Quality Planning (see below).

How Burlington Leverages Development to Improve Water Quality

As part of the update to the Chapter 26 Ordinance, projects that disturb more than 400 sq. ft. are reviewed for stormwater impacts. The Burlington Stormwater Program is currently working to more fully codify the below principles which have been applied to commercial and industrial projects in the combined sewer system in recent years, regardless of whether or not a State Stormwater Permit is needed:

- 100% of stormwater volume from new impervious mitigated for the 1 year, 24-hour storm (2.1")
- Mitigation of stormwater volume from redevelopment impervious (a parking lot that turns into a roof top) to the maximum extent practicable, but with a minimum management target of 50% of the existing impervious surface
- Mitigation of any increased stormwater volume from "drainage efficiency" projects (installing drainage inlets, pipes etc).

Examples of recently constructed redevelopment projects that have greatly contributed to our combined sewer runoff reduction efforts include:

- Redevelopment of ICV building at 180 Battery St (storage tanks and permeable pavers)
- Redevelopment of QTs at 237 North Winooski Ave (infiltration system and permeable pavers)
- Redevelopment of parcels at 258 North Winooski Ave (infiltration system)
- Bright Street Housing Cooperative redevelopment (infiltration system)
- Drainage efficiency project at UVM's Waterman Building (storage tanks)

Recently, as part of the on-going evolution of Burlington's approach to combined sewer reductions, projects that are significantly increasing their sanitary wastewater flows to our plant have been required to not only manage stormwater in accordance with the framework above, but also to remove additional stormwater, either from their site (if a pure redevelopment project) or through providing funding for implementation of additional runoff reduction projects. Example include:

- Cambrian Rise: 100% management of new impervious, disconnection of all runoff from the combined sewer system for the redeveloped portion of their project, financial contribution to the design and installation of subsurface infiltration that will reduce stormwater inputs from North Ave runoff to the combined sewer system.
- 85 North Ave (top of Depot St): 100% management of new and redeveloped impervious, financial contribution to the North Ave runoff reduction system
- City Place Burlington: 100% management of all existing and new impervious; disconnecting roof drains that were directly connected to the combined sewer system.

Future Water Quality Improvement Planning

The City of Burlington, having already invested millions of dollars into water quality improvements, is still not done. There are numerous Clean Water Act regulations (Lake Champlain Phosphorus TMDL, Updated 2016 Vermont CSO Policy, Stormwater Impaired Streams TMDL) and clean water concerns (beach closures due to E. coli from stormwater or wastewater issues, beach closures due to algae blooms) that Burlington must address.

In 2014 Burlington was awarded a Technical Assistance Grant from the EPA to begin a process called Integrated Planning, which encourages communities to examine all of their obligations in one holistic planning effort vs. as individual requirements. (See: <https://www.burlingtonvt.gov/DPW/Stormwater/IMSWP>)

In 2016, the City applied for a planning loan and grant from the State to begin the official Integrated Planning Process. The primary scope items of this work include:

- Evaluating improvements at the WWTPs for enhancing phosphorus removal
- Evaluating improvements at Main WWTP for enhancing wet weather treatment
- Identifying and prioritizing combined sewer wet weather reduction strategies (throughout the City, including small scale infiltration and storage measures as well as large scale storage structures) that will 1) bring CSOs into compliance with the 2016 Vermont CSO Rule 2) reduce stormwater inputs to the Main Plant collection system and result in water quality improvements in wet weather related discharge.
- Identifying and prioritizing separate storm sewer pollution reduction strategies

While this work was originally anticipated to be completed at the end of 2018, early evaluations of our existing Hydraulic/ Hydrologic model revealed that additional model development and calibrations were necessary to fully optimize our water quality capital planning. Permanent flow meters were installed in early 2018 for the Main Plant collection system, and model calibration will be completed over the winter of 2018/2019.

Already, our Water Resources and Integrated Planning team has:

- developed a comprehensive map and analysis of stormwater and wet weather opportunities (<http://bit.ly/RunoffOpp>) to reduce stormwater pollution and reduce the frequency of combined sewer overflows and volume of stormwater reaching Main WWTP.
- developed an analysis of possible non-structural strategies for reducing runoff pollution (enhanced street sweeping, lawn waste collection programs etc.)
- evaluated our current phosphorus removal optimization efforts (indicating that we are performing excellent phosphorus removal)
- evaluated possible tertiary (enhanced) phosphorus removal technologies

The remaining work and evaluations, including prioritizing the various strategies, will occur (along with more citizen engagement) over 2018-2019, with a final deliverable anticipated in early 2020. From there, Burlington will be pursuing design work and construction funding for the first round of

implementation. Full implementation is likely to take upwards of 20 years, however the goal of Integrated Planning is to implement the projects with the greatest return on investment (most water quality improvement for the money) early on in the implementation cycle.

Meanwhile, while this planning effort is occurring, the Water Resources team continues to work with the rest of the City to coordinate implementation of wet weather improvements with other City investments, such as the street paving program (see Grant, King and Park street infiltration systems above). In particular, Burlington Water Resources has ensured that the upcoming Great Street and City Hall Park projects have significant improvements to stormwater/wet weather management: bio-retention areas that collect and allow stormwater to soak in and slow down before reaching the combined sewer system, permeable pavers that capture and infiltrate stormwater, and the construction of “enhanced soil volume systems” that will support the growth of healthy and robust tree canopies that can capture even more stormwater.

Other Wastewater Infrastructure Needs:

In parallel with planning Burlington’s Water Quality future, there are existing systems that need near term investment.

Currently, Burlington Water Resources anticipates a need for \$8-10 Million of investment over the next 3-4 years in existing WWTP equipment to avoid future structural or mechanical issues. Additionally, approximately \$1 Million of investment is needed each year for the next 5 years in our sanitary sewer/combined sewer pipe infrastructure to ensure that those pipes can continue to safely convey sewage and combined sewer flow to the WWTPs.

Burlington Water Resources will be working in FY19 to advance these projects and plan for likely borrowing through the Clean Water State Revolving Fund Loan program.

Burlington Department of Public Works Commission Meeting
Draft Minutes, 18 July 2018
53 Lavalley Lane – Main Wastewater Treatment Plant

Commissioners Present: Robert Alberry (*arrives at 6:41pm*); Tiki Archambeau (Chair); Jim Barr; Chris Gillman (Clerk); Brendan Hogan; Solveig Overby. **Commissioners Absent:** Justine Sears (Vice Chair)

Item 1 – Call to Order – Welcome – Chair Comments

DPW Director Chapin Spencer calls meeting to order at 6:37pm and states that he will moderate the meeting until the Commission's officers are elected.

Item 2 – Agenda

Commissioner Barr makes motion to accept Agenda and is seconded by Commissioner Archambeau.

Action taken: motion approved;
"Ayes" are unanimous.

Commissioner Alberry arrives

Item 2 – Nominations for Chair, Vice Chair & Secretary

Commissioner Barr nominates Commissioner Archambeau for Commission Chair, Commissioner Sears for Commission Vice Chair (with understanding that if the absent Commission Vice Chair nominee declines the position it can be re-filled at the next meeting), and Commissioner Gillman for Commission Clerk, and is seconded by Commissioner Hogan.

Discussion

Commissioners Archambeau, Gillman, and Overby all speak on the nominee for Commission Vice Chair.

Action taken: nominations approved;
"Ayes" are unanimous.

Director Spencer passes the meeting gavel to elected Chair Archambeau to run the remainder of the meeting.

Item 4 – Public Forum (3 minute per person time limit)

Andrea Todd speaks on street sweeping, the Water Resources Division's patch repairs, and GMT (Green Mountain Transit) involvement in the department.

Mark Monaghan speaks on his business venture.

Dan Girard speaks on Intervale Rd conditions.

Item 5 – Consent Agenda

A. Traffic Request Status Report

B. Complete Streets CY18 Paving – Added Streets

C. Great Streets – St. Paul Street Refine Ordinance Language

D. Great Streets – St. Paul Street Temporary Construction Parking Changes

E. Proposed Accessible Parking on Adams Court

F. Proposed Truck loading Zone on College St

G. Enforcement Authority for City-Leased & Managed Lots

Commissioner Barr makes motion to accept Consent Agenda and is seconded by Commissioner Alberry.

Discussion

Commissioner Overby speaks on Item G, specifically Appendix C and post-5:30pm parking rates; Director Spencer and Assistant DPW Director – Parking & Traffic Patrick Mulligan respond.

Action taken: motion approved.

“Ayes” are unanimous.

Item 6 – Draft ADA Transition Plan

A) Presentation by DPW Engineer Laura Wheelock and Associate Engineer Phillip Peterson who speak on the creation of an ADA (Americans with Disabilities Act) plan for the department.

B) Commission Questions

Clerk Gillman speaks on changes this plan will prioritize; Commissioner Hogan speaks on typos in the presentation and potential for penalties for non-ADA-compliant curb reconstructions; Commissioner Overby speaks on requirements in the Right of Way, public outreach, CIP abbreviation meaning, and vibrating pedestrian push buttons; Engineer Wheelock responds.

C) Public Comment

D) Commissioner Discussion

E) Action Requested – None.

Item 7 – Update on Wastewater and Stormwater Management

A) Presentation by Director Spencer and Assistant DPW Director – Water Resources Megan Moir who speak on departmental plans concerning recent wastewater and stormwater discharges.

B) Commission Questions

Chair Archambeau speaks on the reduction of CSOs (Combined Sewer Overflows), year-to-date gallons of discharge, BOD (Biochemical Oxygen Demand) increases, untreated discharge amounts decreasing, staffing increased costs, aging PLCs (Programmable Logic Controllers), infrastructure security considerations, and wastewater recovery potential; Clerk Gillman speaks on failure assessments, historical discharge comparisons, and the disinfection system detection systems; Commissioner Hogan speaks on historical severe weather planning comparisons and demands on infiltration systems; Commissioner Overby speaks on computerized control systems, warning sensors, CSO flow meters, and infiltration bump outs for Main St; Director Spencer, Assistant Director Moir, and Stormwater Program Manager Jenna Olson respond.

C) Public Comment

Andrea Todd speaks on stormwater requirements for new developments, increased population demands, water permitting for businesses, and the new marina’s effect on the lake with Assistant Director Moir responding.

D) Commissioner Discussion

Chair Archambeau speaks on scheduled public forums and public reactions; Director Spencer and Assistant Director Moir respond.

E) Action Requested – None.

Item 8 – Approval of Draft Minutes of 6-20-18

Commissioner Alberry makes motion to accept draft minutes of 6-20-18 and is seconded by Clerk Gillman.

Action take: motion approved;

Commissioner Alberry: Aye

Chair Archambeau: Aye

Commissioner Barr: *abstains*

Clerk Gillman: Aye

Commissioner Hogan: *abstains*

Commissioner Overby: Aye

Vice Chair Sears: *abstains*

Item 9 – Director’s Report

Director Spencer reports on Commissioner Hogan’s orientation, updating the construction portal, the annual report of the Commission to the City Council, no August Commission meeting, and the annual employee party occurring August 10.

Item 10 – Commissioner Communications

Chair Archambeau speaks on the next Permit Reform Committee meeting occurring in September; Commissioner Barr speaks on potential for climbing bike lane for Colchester Ave; Commissioner Hogan speaks on joining the Commission; Director Spencer and Senior Transportation Planner Nicole Losch respond.

Item 12 – Adjournment & Next Meeting Date – September 19, 2018

Motion to adjourn made by Commissioner Barr and seconded by Clerk Gillman.

Action taken: motion approved;

“Ayes” are unanimous.

Meeting adjourned at 8:50pm.

Burlington Department of Public Works Commission Meeting
Final Minutes, 18 July 2018
53 Lavalley Lane – Main Wastewater Treatment Plant

Commissioners Present: Robert Alberry (*arrives at 6:41pm*); Tiki Archambeau (Chair); Jim Barr; Chris Gillman (Clerk); Brendan Hogan; Solveig Overby. **Commissioners Absent:** Justine Sears (Vice Chair)

Item 1 – Call to Order – Welcome – Chair Comments

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Item 2 – Agenda

Commissioner Barr makes motion to accept Agenda and is seconded by Commissioner Archambeau.

Action taken: motion approved;
"Ayes" are unanimous.

Commissioner Alberry arrives

Item 2 – Nominations for Chair, Vice Chair & Secretary

Commissioner Barr nominates Commissioner Archambeau for Commission Chair, Commissioner Sears for Commission Vice Chair (with understanding that if the absent Commission Vice Chair nominee declines the position it can be re-filled at the next meeting), and Commissioner Gillman for Commission Clerk, and is seconded by Commissioner Hogan.

Discussion

Commissioners Archambeau, Gillman, and Overby all speak on the nominee for Commission Vice Chair.

Action taken: nominations approved;
"Ayes" are unanimous.

Director Spencer passes the meeting gavel to elected Chair Archambeau to run the remainder of the meeting.

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Dan Girard speaks on Intervale Rd conditions.

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C. Great Streets – St. Paul Street Refine Ordinance Language

D. Great Streets – St. Paul Street Temporary Construction Parking Changes

E. Proposed Accessible Parking on Adams Court

F. Proposed Truck loading Zone on College St

G. Enforcement Authority for City-Leased & Managed Lots

Commissioner Barr makes motion to accept Consent Agenda and is seconded by Commissioner Alberry.

Discussion

Commissioner Overby speaks on Item G, specifically Appendix C and post-5:30pm parking rates; Director Spencer and Assistant DPW Director – Parking & Traffic Patrick Mulligan respond.

Action taken: motion approved.

“Ayes” are unanimous.

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C) Public Comment

D) Commissioner Discussion

E) Action Requested – None.

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D) Commissioner Discussion

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E) Action Requested – None.

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Commissioner Alberry makes motion to accept draft minutes of 6-20-18 and is seconded by Clerk Gillman.

Action take: motion approved;

Commissioner Alberry: Aye

Chair Archambeau: Aye

Commissioner Barr: *abstains*

Clerk Gillman: Aye

Commissioner Hogan: *abstains*

Commissioner Overby: Aye

Vice Chair Sears: *abstains*

Item 9 – Director’s Report

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Item 12 – Adjournment & Next Meeting Date – September 19, 2018

Motion to adjourn made by Commissioner Barr and seconded by Clerk Gillman.

Action taken: motion approved;

“Ayes” are unanimous.

Meeting adjourned at 8:50pm.