APPENDIX 'A'

Location Map

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Poject Limits:
Mt. Read Blvd
to
Lake Ave

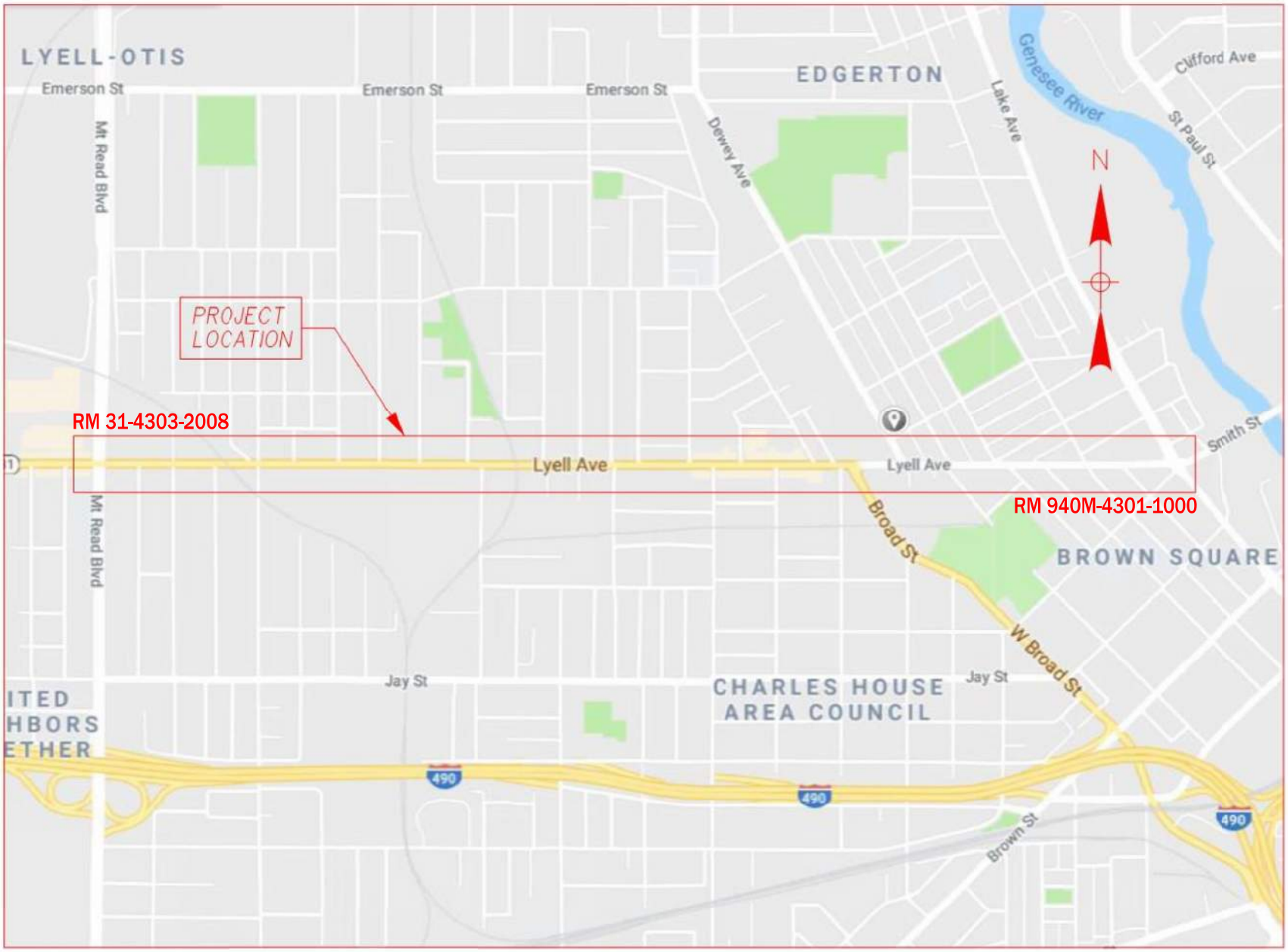
Poject Length:
3.6 Lane Miles

Functional Class:
Urban Minor Arterial

Federal Aid System:
Non-NHS

Existing AADT:
17,724 (2013)
Per IPP

Truck %:
6.13%



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255 EAST AVENUE
ROCHESTER, NY 14604
(585) 512-2000

LYELL AVENUE (NY 31) | FIGURE 1

PROJECT LOCATION MAP
Monroe County
City of Rochester, NY

APPENDIX 'B'

Pavement Evaluation and Treatment Selection Report (PETSR)

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PAVEMENT EVALUATION & TREATMENT SELECTION REPORT (PETSR)

4/2018
Lyell Avenue

General

Region: 04 County: Monroe Route No.: Lyell Ave (NY 31) PIN: 4CR004

Project Description: 2020 Preventive Maintenance Group #11

Begin RM: 31-4303-2008 Mt. Read Blvd End RM: 940M-4301-1000 Lake Ave Total Length: 3.6 Lane Miles

Latest Pavement Rehabilitation/Treatment Date(s):

Original Contract Date(s): Unknown

Related Pavement Data:

Traffic AADT (Range): 17,724 Date: 2013 % Trucks: 6.13%

Sufficiency Rating Surface Score: 6 Date: Unknown

Roadway Features

Roadway: Divided ☐ Non-Divided ☒

Median: NA Flush ☐ Raised ☐ Concrete Median Barrier ☐

Curbs: Mountable ☐ Non-Mountable ☒ HMA ☐ PCC ☐ Stone ☒

Gutter: None ☒ Present ☐ Location:

MIARDS/CARDS: None ☒ Present ☐ Location:

Travel Lanes:

Number: 2 Width(s): 2 @ 11'

Type: Reinforced PCC ☐ Non-Reinforced PCC ☐ HMA ☒ HMA over PCC ☒

Thickness (normal): Total: (HMA: 10 - 17 1/4" PCC: NA) **Note: See Pavement Core Data - Appendix C**

Reinforced and Non-Reinforced PCC Pavements only:

Slab Length:

Load Transfer Type: Dowels ☐ 2 Component ☐

Transverse Joints: Contraction ☐ Expansion ☐

Subbase: Type: Thickness (nominal):

Shoulders: NA

Type: HMA ☐ PCC ☐ Gravel ☐ Thickness:

Surface Treatment/Stabilized Gravel ☐ Thickness:

Width: Left: Right:

Drainage Type: Open System ☐ Closed System ☒

PAVEMENT EVALUATION & TREATMENT SELECTION REPORT (PETSR)

PAVEMENT DISTRESS	SEVERITY – Typical for Length of Project				COMMENTS
Wheelpath Cracking	☐ None	☒ Low	☐ Medium	☐ High	
Transverse Cracking	☐ None	☐ Low	☐ Medium	☒ High	
Longitudinal Cracking	☐ None	☐ Low	☒ Medium	☐ High	
Edge Cracking	☐ None	☐ Low	☐ Medium	☒ High	
Raveling	☒ None	☐ Low	☐ Medium	☐ High	
Rutting	☐ None	☒ Low	☐ Medium	☐ High	
Corrugations	☒ None	☐ Low	☐ Medium	☐ High	
Settlements/Heaves	☐ None	☐ Low	☐ Medium	☒ High	
Other	☒ None	☐ Low	☐ Medium	☐ High	

SHOULDER DISTRESS NA	SEVERITY – Typical for Length of Project				COMMENTS
Cracking	☐ None	☐ Low	☐ Medium	☐ High	
Separation	☐ None	☐ Low	☐ Medium	☐ High	
Drop Off	☐ None	☐ Low	☐ Medium	☐ High	
Deformation	☐ None	☐ Low	☐ Medium	☐ High	

EXISTING PAVEMENT CONDITION REMARKS:

Pavement is in good condition.

EXISTING SHOULDER REMARKS: NA

REMARKS AND PAVEMENT RECOMMENDATIONS:

Mill existing pavement surface; place T & L course as needed to achieve cross slope, if necessary; tack coat milled surface; and place new hot mix asphalt.

GEOTECHNICAL REMARKS AND RECOMMENDATIONS:

See Appendix C for the geotechnical report including pavement core data and photographs.

PAVEMENT EVALUATION & TREATMENT SELECTION REPORT (PETSR)

Treatment Options: NA

1.

2.

3.

Results of Life Cycle Cost Analysis: NA

Recommendations: NA

If you have any questions regarding this report, please contact Dennis Kennelly, PE at (585) 512-2000.

Prepared by: Meaghan Capuano, PE
Date: 4/23/2018

Approved by:
Date:

Professional Engineering Seal for Recommendations to Use Beyond Preservation Treatments:

APPENDIX 'C'

Pavement Core Data

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Terracon GeoReport

Lyell Avenue Cores – Various Locations
Rochester, New York

January 17, 2018

Terracon Project No. J5171371

Prepared for:

T.Y. Lin International
Rochester, New York

Prepared by:

Terracon Consultants-NY, Inc.
Rochester, New York

January 17, 2018

T.Y. Lin International
255 East Avenue
Rochester, NY 14604
Phone: 585 512 2000

Attn: Mark D. Bellavia
E: mark.bellavia@tylin.com

Re: Geotechnical Data Report
Lyell Avenue Cores – Various Locations
Rochester, New York
Terracon Project No. J5171371

Dear Mr. Bellavia:

Terracon Consultants-NY, Inc. (Terracon) has completed the geotechnical exploration services for the above referenced project. This study was performed in general accordance with our proposal dated October 5, 2017. This report presents the findings of the subsurface exploration program for the proposed project.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning this report, or if we may be of further service, please contact us.

Sincerely,
Terracon Consultants-NY, Inc.

Frank R. Minnolera
Project Manager

Charles B. Guzzetta
Office Manager

REPORT TOPICS

GEOTECHNICAL DATA REPORT
LYELL AVENUE CORES – VARIOUS LOCATIONS
ROCHESTER, NEW YORK

Terracon Project No. J5171371
January 17, 2018

INTRODUCTION

This report presents the results of our subsurface exploration services performed for the Lyell Avenue pavement investigation project located at various locations along Lyell Avenue between Mount Read Boulevard and Lake Street in the City of Rochester, New York. The purpose of these services is to provide information relative to:

- Existing pavement thickness and type
- Pavement comments

The geotechnical exploration scope of work for this project included the advancement of nineteen pavement cores at various locations along Lyell Avenue through the existing asphalt section.

Maps showing the site are shown in the **Site Location** section and core locations are shown on the **Exploration Plan,** respectively. Core photographs with measurements are included in the **Pavement Photo Log** section. These sections are included as an appendix to this report.

PROJECT DESCRIPTION

Our understanding of the project conditions can be generalized as follows:

Item	Description
Project Location	Various locations along Lyell Avenue in the City of Rochester, New York
Existing Improvements	Existing roadway
Current Ground Cover	Asphalt Pavement

EXPLORATION AND TESTING PROCEDURES

Field Exploration

Our field exploration consisted of extracting nineteen pavement cores through the roadway section to the top of subbase materials. The coring locations were selected by the City of Rochester – Department of Environmental Services and laid out in the field by Terracon personnel. The locations of the pavement cores should be considered accurate only to the degree implied by the means and methods used to define them.

Subsurface Exploration Procedures: The existing flexible pavement at each location was cored using a portable coring machine equipped with either a 4-inch or a 6-inch (nominal) diameter diamond thin wall core barrel. The recovered core samples were labeled in the field and returned to the laboratory for measurement and photographs.

The pavement locations were then patched with quick setting, high strength non-shrink grout upon completion of coring.

Results of the field exploration can be found in the **Pavement Photo Log** section.

GENERAL COMMENTS

Variations will occur between exploration point locations, across the site, or due to the modifying effects of construction or weather. The nature and extent of such variations may not become evident until during or after construction. Our scope of services does not include either specifically or by implication any environmental or biological (e.g., mold, fungi, bacteria) assessment of the site or identification or prevention of pollutants, hazardous materials or conditions. If the owner is concerned about the potential for such contamination or pollution, other studies should be undertaken.

Our services and any correspondence are intended for the sole benefit and exclusive use of our client for specific application to the project discussed and are accomplished in accordance with generally accepted geotechnical engineering practices with no third party beneficiaries intended. Any third party access to services or correspondence is solely for information purposes only. Reliance upon the services and any work product is limited to our client, and is not intended for third parties. Any use or reliance of the provided information by third parties is done solely at their own risk. No warranties, either express or implied, are intended or made.

SITE LOCATION AND EXPLORATION PLAN

SITE LOCATION

Lyell Avenue Cores ▪ Rochester, NY

January 17, 2018 ▪ Terracon Project No. J5171371

Terracon GeoReport

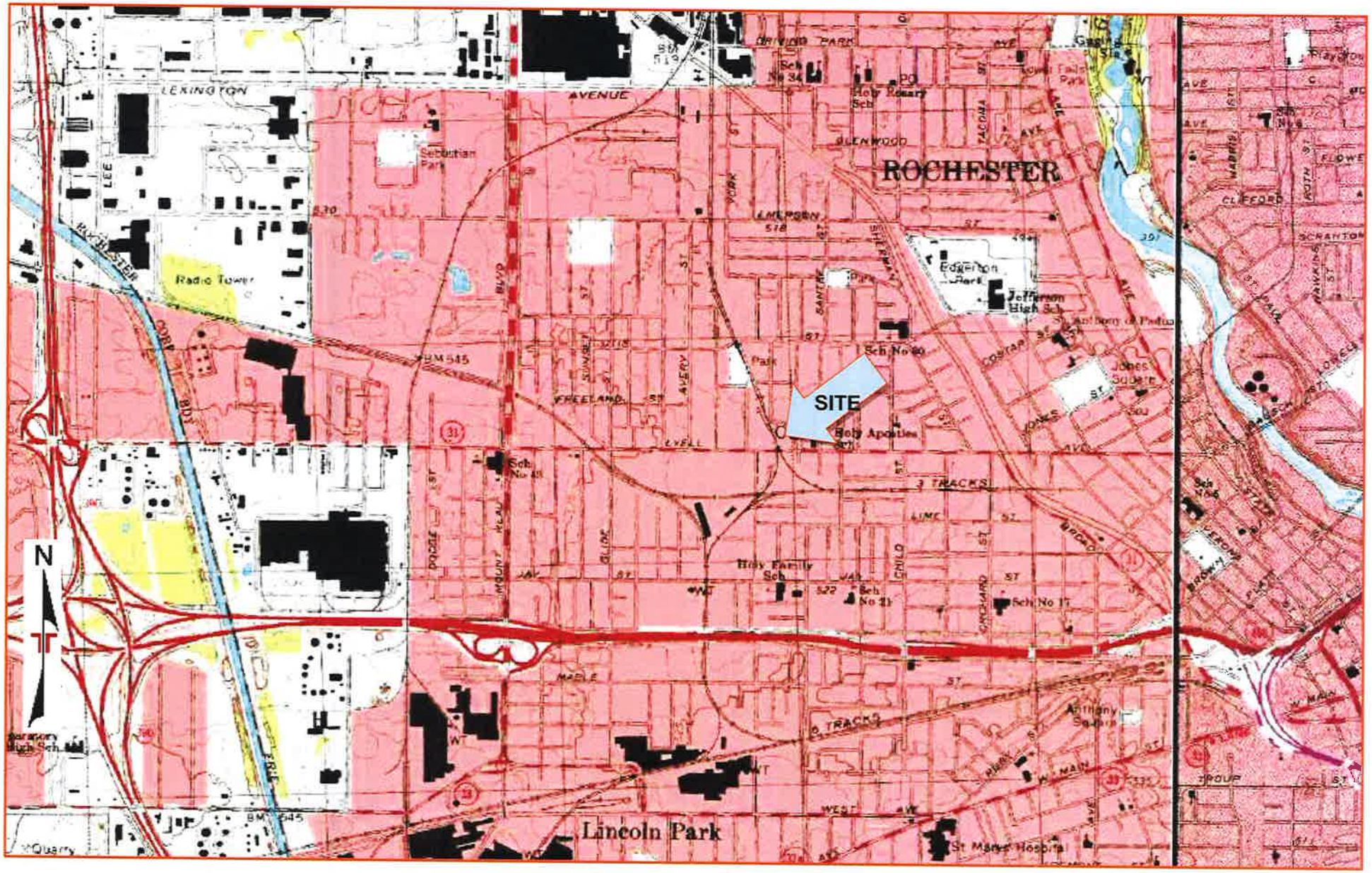


DIAGRAM IS FOR GENERAL LOCATION ONLY, AND IS NOT INTENDED FOR CONSTRUCTION PURPOSES

TOPOGRAPHIC MAP IMAGE COURTESY OF THE U.S. GEOLOGICAL SURVEY QUADRANGLES INCLUDE: ROCHESTER WEST, NY (1/1/1994) and ROCHESTER EAST, NY (1/1/1978).

EXPLORATION PLAN – CORES C-1 THROUGH C-9

Lyell Avenue Cores ■ Rochester, NY

January 17, 2018 ■ Terracon Project No. J5171371

Terracon GeoReport

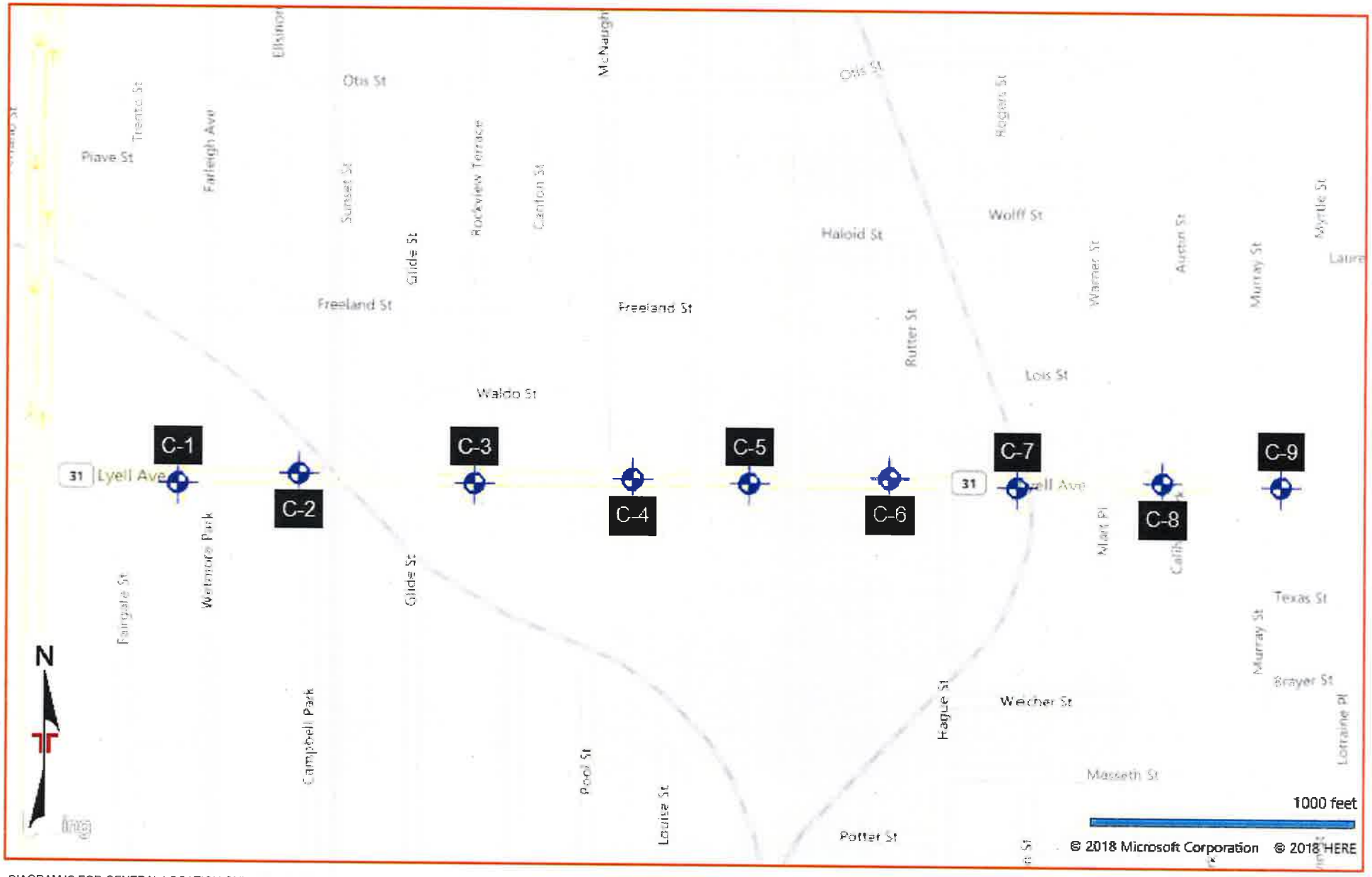
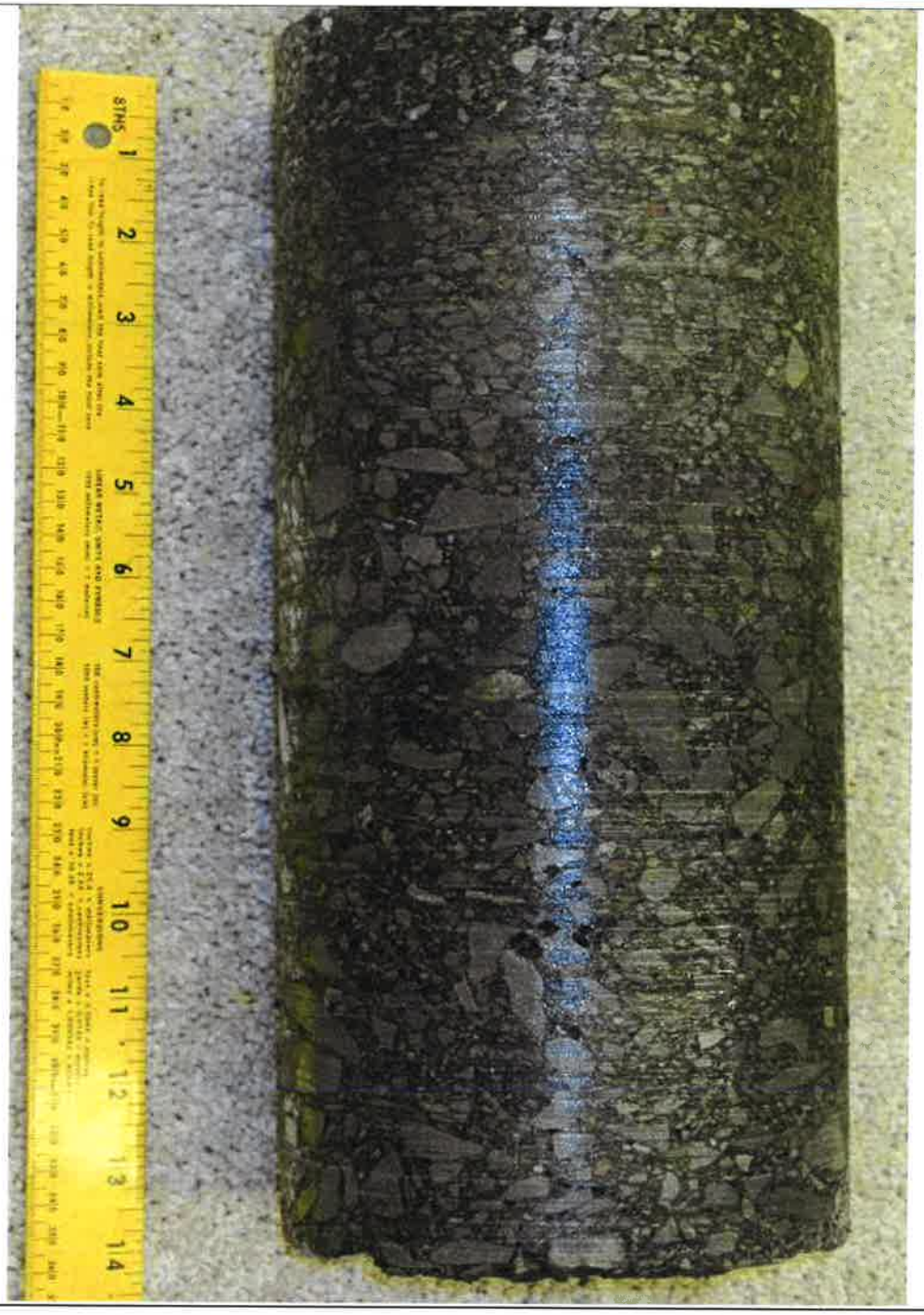


DIAGRAM IS FOR GENERAL LOCATION ONLY, AND IS NOT INTENDED FOR CONSTRUCTION PURPOSES

AERIAL PHOTOGRAPHY PROVIDED BY MICROSOFT BING MAPS

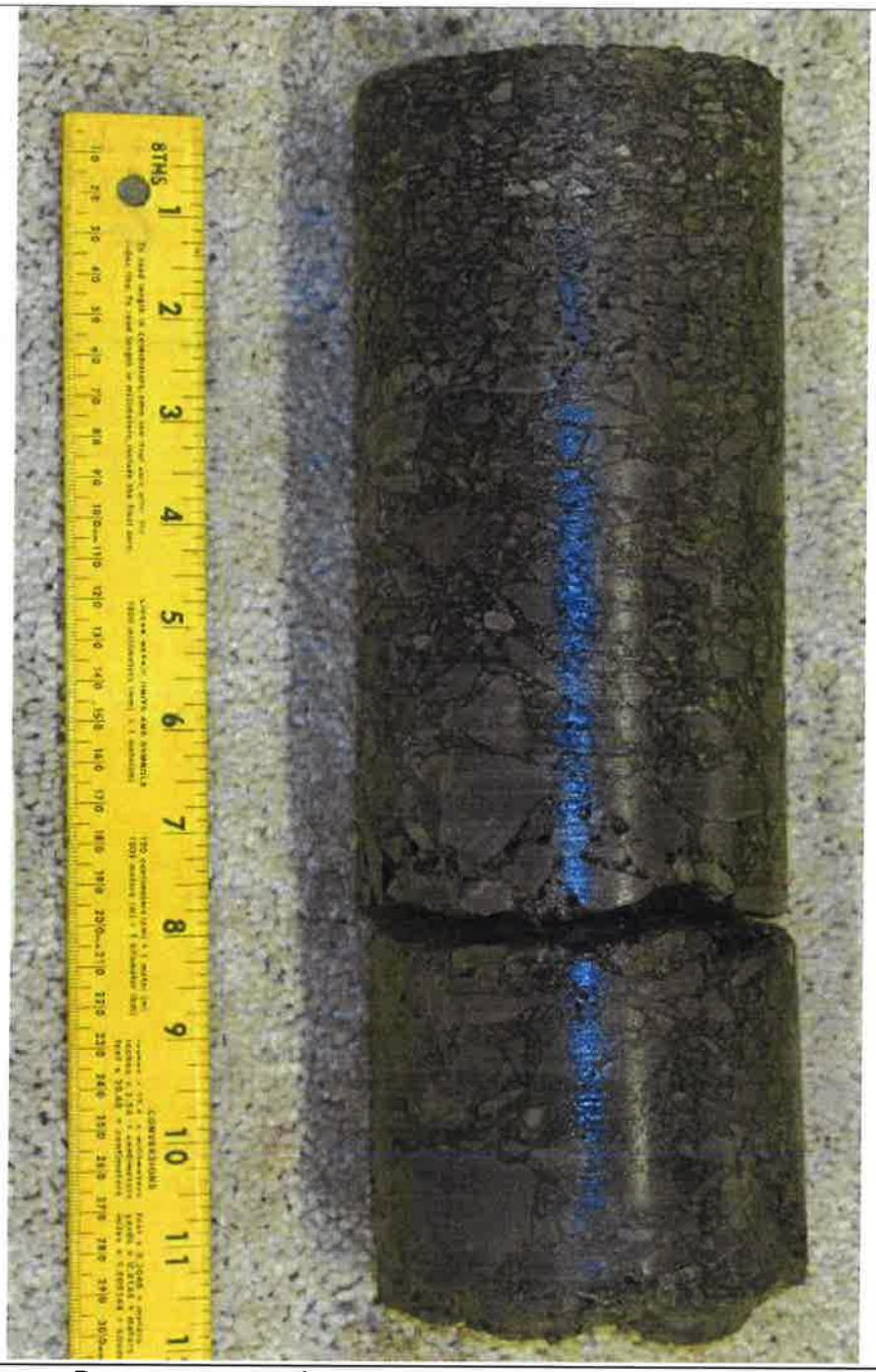
Pavement core at Location C-1 : Front of #1219 Lyell Ave.

Course	Thickness	Conditions	Remarks
Top	2" Overlay 3"	Good	Delamination at 5"
Base	7"	Good	
TOTAL	**12 inches**		



Pavement Core at Location C-2 : Front of #1168 Lyell Ave.

Course	Thickness	Conditions	Remarks
Top	1 ½" Overlay 3 ½"	Good	
Binder/Base	8 ¾"	Good	
TOTAL 13 ¾ inches			



Pavement core at Location C-3 : Front of #1069 Lyell Ave.

Course	Thickness	Conditions	Remarks
Top	1 ¼" Overlay 1 ½" Overlay 1 ¼" Overlay 1 ½" Top	Good	
Base	6 ¼"	Good	Delamination at 8 inch depth
TOTAL 11 3/4 inches			

Pavement core at Location C-4 : Front of #1004 Lyell Ave.

Course	Thickness	Conditions	Remarks
Top	1 ½" Overlay 3 " Overlay	Good	
Base	3 ¾" Overlay 3 ¾" Base	Good	
TOTAL 12 inches			

Pavement Core at Location C-5 : Front of #961 Lyell Ave.			
Course	**Thickness**	**Conditions**	**Remarks**
Top	1 ½" Overlay 2" Overlay 1" Overlay 1 ½" Overlay	Good	
Binder/Base	3" Base Overlay 4 ¾" Base	Good	
TOTAL 13 ¾ inches			

Pavement core at Location C-6 : Front of #568 Lyell Ave.

Course	Thickness	Conditions	Remarks
Top	1 ¼" Overlay 1" Overlay 2 ¾" Overlay (Coarse)	Good	
Base	7"	Good	
TOTAL 12 inches			

Pavement core at Location C-7 : East of #563 Lyell Ave.

Course	Thickness	Conditions	Remarks
Top	1 ½" Overlay 2" Overlay	Good	
Base	4 ¼" Overlay 4 ¾" Base	Good	
TOTAL	**12 1/2 inches**		

Pavement Core at Location C-8 : Front of #530 Lyell Ave.

Course	Thickness	Conditions	Remarks
Top	1 ¾" Overlay 1 ¾""	Good	
Binder/Base	3 ¾" Base Overlay 6 ¾" Base	Good	
TOTAL 14 inches			

Pavement core at Location C-9 : Front of #497 Lyell Ave.

Course	Thickness	Conditions	Remarks
Top	1 ¾" Overlay 1 ¾" Overlay 2" Top	Good	
Binder/Base	3 ½" Overlay 3 ¼" Base	Good	
TOTAL 12 1/4 inches			

Pavement core at Location C-10 : Front of #468 Lyell Ave.

Course	Thickness	Conditions	Remarks
Top	1 ½" Overlay 1" Overlay 2" Top	Good	
Binder/Base	3 ¾" Overlay 3 ¾" Base	Good	
TOTAL 12 inches			

Terracon GeoReport

Pavement Core at Location C-11 : Front of #437 Lyell Ave.

Course	Thickness	Conditions	Remarks
Top	¾" Overlay ¾" Coarse Overlay 1 ½" Fine Overlay	Good	
Binder/Base	3 ¼" Base Overlay 7 ½" Concrete	Good	
TOTAL 13 3/4 inches			

PAVEMENT CORE PHOTOS

Lyell Avenue Cores ■ various locations along Lyell Avenue, Rochester, New York
January 17, 2018 ■ Terracon Project No. J5171371

Terracon GeoReport

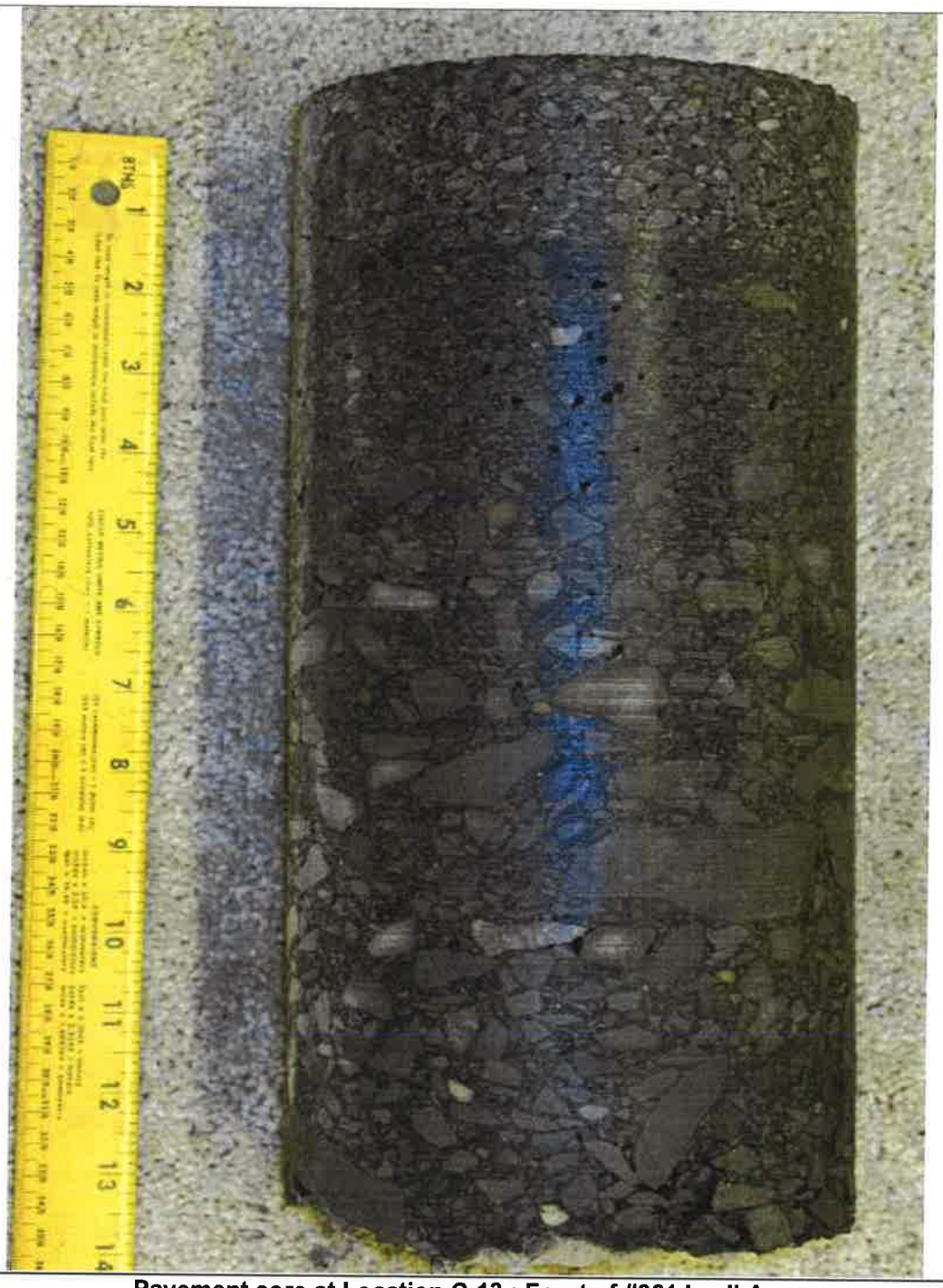
Pavement core at Location C-12 : West of #392 Lyell Ave.

Course	Thickness	Conditions	Remarks
Top	2" Overlay 3 ¼" Top	Good	
Base	8 ¼" Base	Good	
TOTAL	**13 1/2 inches**		

PAVEMENT CORE PHOTOS

Lyell Avenue Cores ■ various locations along Lyell Avenue, Rochester, New York
January 17, 2018 ■ Terracon Project No. J5171371

Terracon GeoReport



Pavement core at Location C-13 : Front of #361 Lyell Ave.

Course	Thickness	Conditions	Remarks
Top	2 ½" Overlay 2 ½" Overlay 2 ½" Top	Good	
Base	3" Overlay 3 ¼" Base	Good	
TOTAL 13 3/4 inches			

Pavement Core at Location C-14 : Front of #280 Lyell Ave.

Course	Thickness	Conditions	Remarks
Top	1 ½" Overlay 1 ¼" Overlay 1 ¼" Overlay 1 ½" Overlay 1 ½" Overlay	Good	
Binder/Base	3 ¼" Binder/Base 7" Concrete	Good	Delamination Between Concrete and Base/Binder Courses
TOTAL 17 1/4 inches			

PAVEMENT CORE PHOTOS

Lyell Avenue Cores ■ various locations along Lyell Avenue, Rochester, New York
January 17, 2018 ■ Terracon Project No. J5171371

Terracon GeoReport

Pavement core at Location C-15 : Front of #229 Lyell Ave.

Course	Thickness	Conditions	Remarks
Top	1 ½" Overlay 2 " Top	Good	
Binder/Base	7 ¼" Binder/Base	Good	Delaminated at 7" Depth
TOTAL 10 3/4 inches			

Terracon GeoReport

Pavement core at Location C-16 : Front of #158 Lyell Ave.

Course	Thickness	Conditions	Remarks
Top	1 ½" Overlay 2" Coarse Overlay 2 ½" Coarse Top	Good	
Binder/Bse	4 ½" Binder/Base	Good	
TOTAL 10 1/2 inches			

Pavement Core at Location C-17 : Front of #103 Lyell Ave.			
Course	**Thickness**	**Conditions**	**Remarks**
Top	2 ½" Overlay 1 ¼" Coarse 2 ¾" Top	Good	
Base	5" Concrete	Good	Delamination Between Concrete and Asphalt Courses
TOTAL 11 1/2 inches			

Terracon GeoReport

Pavement core at Location C-18 : Front of #50 Lyell Ave.

Course	Thickness	Conditions	Remarks
Top	1 ¼" Overlay 1 ¾" Top	Good	
Base	7" Base	Good	Delamination at 7" Depth
TOTAL 10 inches			

Pavement core at Location C-19 : Front of #15 Lyell Ave.

Course	Thickness	Conditions	Remarks
Top	1" Overlay 3" Coarse Top	Good	
Binder/Base	6 ½" Binder/Base	Good	
TOTAL 10 1/2 inches			

APPENDIX 'D'

Accident Analysis and Summary Tables

Priority Investigation Locations

Accident Rate Tables

Synchro Printouts

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LYELL AVENUE CORRIDOR ACCIDENT ANALYSIS

The accident analysis was conducted using the most recent three years of available data (10/1/2014 - 9/31/2017) obtained from the NYSDOT. The countywide and statewide average accident rates have been provided by MCDOT based upon three years of accident data from 2014-2016 and from the NYSDOT based on two years of acccident data from 2015-2016. A summary of the accident rates can be found in the following Tables 1 through 3. The accident data summarized by type and year can be found in Tables 4-6.

Table 1 - Accident Rates Midblock Sections

Midblock Sections	No. Accidents	Intersection Rate (Acc/Mvm)	MCDOT Rate (Acc/Mvm)	Rate Exceeded?
1 Mt. Read Blvd to Glide St	15	2.86	2.53	Y
2 Glide St to Hague St	24	3.25	2.53	Y
3 Hague St to Murray St	20	4.68	2.53	Y
4 Murray St to Child St	30	9.09	2.53	Y
5 Child St to Broad St	29	5.98	2.53	Y
6 Broad St to Dewey Ave	9	6.62	2.53	Y
7 Dewey Ave to Saratoga Ave	9	2.9	2.53	Y
8 Saratoga Ave to Plymouth Ave	16	5.5	2.53	Y
9 Plymouth Ave to Lake Ave	18	6.18	2.53	Y

Table 2 - Accident Rates Signalized Intersections

Signalized Intersections	No. Accidents	Intersection Rate (Acc/Mev)	County/State DOT Rate (Acc/Mev)	Rate Exceeded?
1 Mt. Read Blvd	64	1.54	0.25	Y
2 Glide Street	30	1.18	1.00	Y
3 Hague Street	17	0.79	0.51	Y
4 Murray Street	40	1.83	0.51	Y
5 Child Street	56	2.25	1.00	Y
6 Sherman Street	11	0.48	0.51	N
7 Broad Street	39	1.38	1.16	Y
8 Dewey Avenue	48	1.63	1.16	Y
9 Saratoga Ave/Spencer St	32	1.45	0.51	Y
10 Plymouth Avenue	15	0.63	1.00	N
11 Lake Ave/State St/Smith St	96	1.99	0.25	Y

Table 3 - Accident Rates Unsignalized Intersections

Unsignalized Intersections	No. Accidents	Intersection Rate (Acc/Mev)	MCDOT Rate (Acc/Mev)	Rate Exceeded?
1 Fairgate Street	3	0.15	0.19	N
2 Wetmore Park	3	0.15	0.19	N
3 Campbell Park	4	0.20	0.19	Y
4 Sunset Street	10	0.48	0.19	Y
5 Rockview Terrace	4	0.20	0.19	Y
6 McNaughton Street	6	0.28	0.19	Y
7 Avery Street	10	0.47	0.19	Y
8 Burrows Street	10	0.48	0.19	Y
9 Rutter Street	8	0.39	0.19	Y
10 Warner Street	9	0.43	0.19	Y
11 Calihan Park	3	0.14	0.19	N
12 Austin Street	5	0.24	0.19	Y
13 Myrtle Street	13	0.62	0.19	Y
14 Cameron Street	14	0.67	0.19	Y
15 Angle Street	5	0.25	0.19	Y
16 Whitney Street	18	0.86	0.19	Y
17 Likly Alley	1	0.05	0.19	N
18 Orchard Street	17	0.80	0.19	Y
19 Amber Pl	1	0.05	0.19	N
20 Durkin Alley	1	0.05	0.19	N
21 Moore Street	3	0.14	0.19	N
22 Oak Street	8	0.41	0.19	Y
23 Parkway	12	0.57	0.19	Y
24 Daus Alley	8	0.38	0.19	Y
25 Carroll Alley	1	0.05	0.19	N
26 Verona Street	4	0.19	0.19	N
27 Frankfort St	4	0.19	0.19	N

Table 4 - Accident Type Summary by Year

Year	Accidents														Severity	
	Rear-end	Side-swipe	Angle	Left-turn	Right-turn	Overtaking	Fixed Object	Pedestrian	Bicyclist	Head On	Ran Off Road	Other	Unknown	**Total**	Injury	Fatal
2017	71	1	30	16	8	31	5	8	4	2		27	1	**204**	53	
2016	100	8	32	25	11	44	11	16	10	5		34	4	**300**	104	
2015	91	11	30	16	8	39	13	4	5	6	1	21	6	**251**	42	
2014	24	1	8	3	1	11	4	2	2			2	1	**59**	8	
Total	**286**	**21**	**100**	**60**	**28**	**125**	**33**	**30**	**21**	**13**	**1**	**84**	**12**	**814**	**207**	**0**

Table 5 - Midblock Accident Type Summary

Lyell Avenue Midblocks	Accidents														Severity	
	Rear-end	Side-swipe	Angle	Left-turn	Right-turn	Overtaking	Fixed Object	Pedestrian	Bicyclist	Head On	Ran Off Road	Other	Unknown	**Total**	Injury	Fatal
1 Mt. Read Blvd to Glide St	3	1	0	1	1	4	1	0	0	0	0	3	1	15	2	
2 Glide St to Hague St	6	0	4	3	2	5	1	1	0	1	0	1	0	24	6	
3 Hague St to Murray St	9	0	1	2	0	3	1	1	0	0	0	3	0	20	3	
4 Murray St to Child St	10	0	3	0	0	8	1	2	0	1	0	5	0	30	8	
5 Child St to Broad St	7	1	8	0	1	6	0	1	1	0	0	4	0	29	4	
6 Broad St to Dewey Ave	3	0	0	0	1	4	0	0	1	0	0	0	0	9	1	
7 Dewey Ave to Saratoga Ave	5	0	1	0	0	1	0	1	0	0	0	1	0	9	1	
8 Saratoga Ave to Plymouth Ave	8	1	1	0	0	4	0	1	0	1	0	0	0	16	4	
9 Plymouth Ave to Lake Ave	11	1	0	0	0	2	0	0	0	0	0	4	0	18	3	
Total	**62**	**4**	**18**	**6**	**5**	**37**	**4**	**7**	**2**	**3**	**0**	**21**	**1**	**170**	**32**	**0**

Table 6 - Intersection Accident Summary by Type

Lyell Avenue	Accidents														Severity	
	Rear-end	Side-swipe	Angle	Left-turn	Right-turn	Overtaking	Fixed Object	Pedestrian	Bicyclist	Head On	Ran Off Road	Other	Unknown	**Total**	Injury	Fatal
Mt. Read Blvd	32		4	3	1	9	4	1		1		8	1	**64**	14	
Fairgate Street			2							1				**3**	1	
Wetmore Park	1		1									1		**3**		
Campbell Park				2	1				1					**4**	2	
Sunset Street		4		3		1	1					1		**10**	1	
Glide Street	13	2	4	3		2			2	1		2	1	**30**	10	
Rockview Terrace	1				1	1			1					**4**	1	
McNaughton Street			1				1	1				2	1	**6**	4	
Avery Street	2		4	1		1				1		1		**10**	5	
Burrows Street	1	1	2		1		1	1	1	1		1		**10**	3	
Rutter Street	1	1	1	1		1	1					1	1	**8**	2	
Hague Street	6		4			4	2	1						**17**	4	
Warner Street	3		2	1		2	1							**9**	5	
Calihan Park	1						2							**3**	1	
Austin Street	1			1		1		1	1					**5**	3	
Murray Street	12		5	3	1	6	3	1	3	1		4	1	**40**	7	
Myrtle Street	5		2	2		2						2		**13**	5	
Cameron Street	4		1	1	2	3	1					1	1	**14**	4	
Child Street	17		7	4	5	6		4	3	1	1	7	1	**56**	15	
Angle Street	2							1				2		**5**	4	
Whitney Street	7	2	1	1	1	2		2				2		**18**	11	
Sherman Street	3		3			2	1	1				1		**11**	2	
Likly Alley			1											**1**		
Orchard Street	6		2	5	1	2						1		**17**	4	
Broad Street	13		3	4	3	7	2	2	1	1		3		**39**	8	
Dewey Avenue	13	3	11	6	1	6	1	1	1			5		**48**	17	
Amber Pl												1		**1**		
Durkin Alley	1													**1**		
Moore Street							1	1				1		**3**		
Oak Street	4		1		1		1					1		**8**	1	
Parkway	5		1			1			1			4		**12**	1	
Daus Alley	3		2			2						1		**8**		
Saratoga Ave/Spencer St	13	1	2	1		6	2	4				1	2	**32**	5	
Carroll Alley	1													**1**		
Verona Street	3					1								**4**	1	
Plymouth Avenue	3		5			5	1						1	**15**	1	
Frankfort St	2					1						1		**4**	1	
Lake Ave/State St/Smith St	42	1	10	11	4	12	2	1	3	2		7	1	**96**	31	
Total	**221**	**15**	**82**	**53**	**23**	**86**	**28**	**23**	**18**	**10**	**1**	**62**	**11**	**633**	**174**	**0**

LYELL AVENUE SIGNALIZED INTERSECTION ACCIDENT ANALYSIS

#1 Lyell Avenue @ Mt. Read Blvd

ADT Lyell Ave = 17,724
Forecasted ADT Mt. Read Blvd = 20,287
Total: 38,011 veh/day
Total Accidents = 64
Time Period = 3 Years

$$\text{Accident Rate} = \frac{(64 \text{ Accidents})\ 1\text{x}10^{\wedge 6})}{(3 \text{ Yr.})(365 \text{ days/year})(38{,}011 \text{ veh/day})}$$

= 1.54 Acc/Mev*

New York State DOT Average Accident Rate for Signalized Intersections = 0.25 Acc/Mev
Note: * Roadway Segment Exceeds NYSDOT Average Accident Rate.

#2 Lyell Avenue @ Glide Street

ADT Lyell Ave = 17,724
ADT Glide St = 5,451
Total: 23,175 veh/day
Total Accidents = 30
Time Period = 3 Years

$$\text{Accident Rate} = \frac{(30 \text{ Accidents})\ 1\text{x}10^{\wedge 6})}{(3 \text{ Yr.})(365 \text{ days/year})(23{,}175 \text{ veh/day})}$$

= 1.18 Acc/Mev*

Monroe County Average Accident Rate for Signalized Intersections = 1.00 Acc/Mev
Note: * Roadway Segment Exceeds MCDOT Countywide Average Accident Rate.

#3 Lyell Avenue @ Hague Street

ADT Lyell Ave = 17,724
Estimated ADT Hague St = 2,000
Total: 19,724 veh/day
Total Accidents = 17
Time Period = 3 Years

$$\text{Accident Rate} = \frac{(17 \text{ Accidents})\ 1\text{x}10^{\wedge 6})}{(3 \text{ Yr.})(365 \text{ days/year})(19{,}724 \text{ veh/day})}$$

= 0.79 Acc/Mev*

Monroe County Average Accident Rate for Signalized Intersections = 0.51 Acc/Mev
Note: * Roadway Segment Exceeds MCDOT Countywide Average Accident Rate.

#4 Lyell Avenue @ Murray Street

ADT Lyell Ave = 17,724
Estimated ADT Murray St = 2,200
Total: 19,924 veh/day
Total Accidents = 40
Time Period = 3 Years

$$\text{Accident Rate} = \frac{(40 \text{ Accidents})\ 1\text{x}10^{\wedge 6})}{(3 \text{ Yr.})(365 \text{ days/year})(19{,}924 \text{ veh/day})}$$

= 1.83 Acc/Mev*

Monroe County Average Accident Rate for Signalized Intersections = 0.51 Acc/Mev
Note: * Roadway Segment Exceeds MCDOT Countywide Average Accident Rate.

#5 Lyell Avenue @ Child Street

ADT Lyell Ave = 17,724
Forecasted ADT Child St = 5,034
Total: 22,758 veh/day
Total Accidents = 56
Time Period = 3 Years

$$\text{Accident Rate} = \frac{(56 \text{ Accidents})\ 1\text{x}10^{\wedge 6})}{(3 \text{ Yr.})(365 \text{ days/year})(22{,}758 \text{ veh/day})}$$

= 2.25 Acc/Mev*

Monroe County Average Accident Rate for Signalized Intersections = 1.00 Acc/Mev
Note: * Roadway Segment Exceeds MCDOT Countywide Average Accident Rate.

#6 Lyell Avenue @ Sherman Street

ADT Lyell Ave = 17,724
Estimated ADT Sherman St = 3,300
Total: 21,024 veh/day
Total Accidents = 11
Time Period = 3 Years

$$\text{Accident Rate} = \frac{(11 \text{ Accidents})\ 1\text{x}10^{\wedge 6})}{(3 \text{ Yr.})(365 \text{ days/year})(21{,}024 \text{ veh/day})}$$

= 0.48 Acc/Mev

Monroe County Average Accident Rate for Signalized Intersections = 0.51 Acc/Mev

#7 Lyell Avenue @ Broad Street

ADT Lyell Ave = 17,724
Forecasted ADT Broad St = 8,023
Total: 25,747 veh/day
Total Accidents = 39
Time Period = 3 Years

$$\text{Accident Rate} = \frac{(39 \text{ Accidents})\ 1\text{x}10^{\wedge 6})}{(3 \text{ Yr.})(365 \text{ days/year})(25{,}747 \text{ veh/day})}$$

= 1.38 Acc/Mev*

Monroe County Average Accident Rate for Signalized Intersections = 1.16 Acc/Mev
Note: * Roadway Segment Exceeds MCDOT Countywide Average Accident Rate.

#8 Lyell Avenue @ Dewey Avenue

ADT Lyell Ave = 17,724
ADT Dewey Ave = 9,126
Total: 26,850 veh/day
Total Accidents = 48
Time Period = 3 Years

$$\text{Accident Rate} = \frac{(48 \text{ Accidents})\ 1\text{x}10^{\wedge 6})}{(3 \text{ Yr.})(365 \text{ days/year})(26{,}850 \text{ veh/day})}$$

= 1.63 Acc/Mev*

Monroe County Average Accident Rate for Signalized Intersections = 1.16 Acc/Mev
Note: * Roadway Segment Exceeds MCDOT Countywide Average Accident Rate.

#9 Lyell Avenue @ Saratoga Ave/Spencer St

ADT Lyell Ave = 17,724
Estimated ADT Saratoga Ave = 2,500
Total: 20,224 veh/day
Total Accidents = 32
Time Period = 3 Years

$$\text{Accident Rate} = \frac{(32 \text{ Accidents})\ 1\text{x}10^{\wedge 6})}{(3 \text{ Yr.})(365 \text{ days/year})(20{,}224 \text{ veh/day})}$$

= 1.45 Acc/Mev*

Monroe County Average Accident Rate for Signalized Intersections = 0.51 Acc/Mev
Note: * Roadway Segment Exceeds MCDOT Countywide Average Accident Rate.

#10 Lyell Avenue @ Plymouth Avenue

ADT Lyell Ave = 17,724

Estimated ADT Plymouth Ave = 4,100

Total: 21,824 veh/day

Total Accidents = 15

Time Period = 3 Years

$$\text{Accident Rate} = \frac{(15 \text{ Accidents})\ 1\text{x}10^{\wedge 6})}{(3 \text{ Yr.})(365 \text{ days/year})(21{,}824 \text{ veh/day})}$$

= 0.63 Acc/Mev

Monroe County Average Accident Rate for Signalized Intersections = 1.00 Acc/Mev

#11 Lyell Avenue @ Lake Avenue/State Street

ADT Lyell Ave = 17,724

Forecasted ADT Lake Ave = 26,322

Total: 44,046 veh/day

Total Accidents = 96

Time Period = 3 Years

$$\text{Accident Rate} = \frac{(96 \text{ Accidents})\ 1\text{x}10^{\wedge 6})}{(3 \text{ Yr.})(365 \text{ days/year})(44{,}046 \text{ veh/day})}$$

= 1.99 Acc/Mev*

New York State DOT Average Accident Rate for Signalized Intersections = 0.25 Acc/Mev

Note: * Roadway Segment Exceeds NYSDOT Average Accident Rate.

LYELL AVENUE UNSIGNALIZED INTERSECTION ACCIDENT ANALYSIS

#1 Lyell Avenue @ Fairgate Street

ADT Lyell Ave = 17,724
Estimated ADT Fairgate St = 1,000
Total: 18,724 veh/day
Total Accidents = 3
Time Period = 3 Years

$$\text{Accident Rate} = \frac{(3 \text{ Accidents})\ 1\text{x}10^{\wedge 6})}{(3 \text{ Yr.})(365 \text{ days/year})(18{,}724 \text{ veh/day})}$$

= 0.15 Acc/Mev

Monroe County Average Accident Rate for Unsignalized Intersections = 0.19 Acc/Mev

#2 Lyell Avenue @ Wetmore Park

ADT Lyell Ave = 17,724
Estimated ADT Fairgate St = 1,000
Total: 18,724 veh/day
Total Accidents = 3
Time Period = 3 Years

$$\text{Accident Rate} = \frac{(3 \text{ Accidents})\ 1\text{x}10^{\wedge 6})}{(3 \text{ Yr.})(365 \text{ days/year})(18{,}724 \text{ veh/day})}$$

= 0.15 Acc/Mev

Monroe County Average Accident Rate for Unsignalized Intersections = 0.19 Acc/Mev

#3 Lyell Avenue @ Campbell Park

ADT Lyell Ave = 17,724
Estimated ADT Campbell Pk = 1,000
Total: 18,724 veh/day
Total Accidents = 4
Time Period = 3 Years

$$\text{Accident Rate} = \frac{(4 \text{ Accidents})\ 1\text{x}10^{\wedge 6})}{(3 \text{ Yr.})(365 \text{ days/year})(18{,}724 \text{ veh/day})}$$

= 0.20 Acc/Mev*

Monroe County Average Accident Rate for Unsignalized Intersections = 0.19 Acc/Mev
Note: * Roadway Segment Exceeds MCDOT Countywide Average Accident Rate.

#4 Lyell Avenue @ Sunset Street

ADT Lyell Ave = 17,724
Estimated ADT Sunset St = 1,400
Total: 19,124 veh/day
Total Accidents = 10
Time Period = 3 Years

$$\text{Accident Rate} = \frac{(10 \text{ Accidents})\ 1\text{x}10^{\wedge 6})}{(3 \text{ Yr.})(365 \text{ days/year})(19{,}124 \text{ veh/day})}$$

= 0.48 Acc/Mev*

Monroe County Average Accident Rate for Unsignalized Intersections = 0.19 Acc/Mev
Note: * Roadway Segment Exceeds MCDOT Countywide Average Accident Rate.

#5 Lyell Avenue @ Rockview Terrace

ADT Lyell Ave = 17,724
Estimated ADT Rockview Terr = 250
Total: 17,974 veh/day
Total Accidents = 4
Time Period = 3 Years

$$\text{Accident Rate} = \frac{(4 \text{ Accidents})\ 1\text{x}10^{\wedge 6})}{(3 \text{ Yr.})(365 \text{ days/year})(17{,}974 \text{ veh/day})}$$

= 0.20 Acc/Mev*

Monroe County Average Accident Rate for Unsignalized Intersections = 0.19 Acc/Mev
Note: * Roadway Segment Exceeds MCDOT Countywide Average Accident Rate.

#6 Lyell Avenue @ McNaughton Street

ADT Lyell Ave = 17,724
Estimated ADT McNaughton St = 1,600
Total: 19,324 veh/day
Total Accidents = 6
Time Period = 3 Years

$$\text{Accident Rate} = \frac{(6 \text{ Accidents})\ 1\text{x}10^{\wedge 6})}{(3 \text{ Yr.})(365 \text{ days/year})(19{,}324 \text{ veh/day})}$$

= 0.28 Acc/Mev*

Monroe County Average Accident Rate for Unsignalized Intersections = 0.19 Acc/Mev
Note: * Roadway Segment Exceeds MCDOT Countywide Average Accident Rate.

#7 Lyell Avenue @ Avery Street

ADT Lyell Ave = 17,724
Estimated ADT Avery St = 1,600
Total: 19,324 veh/day
Total Accidents = 10
Time Period = 3 Years

$$\text{Accident Rate} = \frac{(10 \text{ Accidents})\ 1\text{x}10^{\wedge 6})}{(3 \text{ Yr.})(365 \text{ days/year})(19{,}324 \text{ veh/day})}$$

= 0.47 Acc/Mev*

Monroe County Average Accident Rate for Unsignalized Intersections = 0.19 Acc/Mev
Note: * Roadway Segment Exceeds MCDOT Countywide Average Accident Rate.

#8 Lyell Avenue @ Burrows Street

ADT Lyell Ave = 17,724
Estimated ADT Burrows St = 1,400
Total: 19,124 veh/day
Total Accidents = 10
Time Period = 3 Years

$$\text{Accident Rate} = \frac{(10 \text{ Accidents})\ 1\text{x}10^{\wedge 6})}{(3 \text{ Yr.})(365 \text{ days/year})(19{,}124 \text{ veh/day})}$$

= 0.48 Acc/Mev*

Monroe County Average Accident Rate for Unsignalized Intersections = 0.19 Acc/Mev
Note: * Roadway Segment Exceeds MCDOT Countywide Average Accident Rate.

#9 Lyell Avenue @ Rutter Street

ADT Lyell Ave = 17,724
Estimated ADT Rutter St = 1,000
Total: 18,724 veh/day
Total Accidents = 8
Time Period = 3 Years

$$\text{Accident Rate} = \frac{(8 \text{ Accidents})\ 1\text{x}10^{\wedge 6})}{(3 \text{ Yr.})(365 \text{ days/year})(18{,}724 \text{ veh/day})}$$

= 0.39 Acc/Mev*

Monroe County Average Accident Rate for Unsignalized Intersections = 0.19 Acc/Mev
Note: * Roadway Segment Exceeds MCDOT Countywide Average Accident Rate.

#10 Lyell Avenue @ Warner Street

ADT Lyell Ave = 17,724
Estimated ADT Warner St = 1,400
Total: 19,124 veh/day
Total Accidents = 9
Time Period = 3 Years

$$\text{Accident Rate} = \frac{(9 \text{ Accidents})\ 1\text{x}10^{\wedge 6})}{(3 \text{ Yr.})(365 \text{ days/year})(19{,}124 \text{ veh/day})}$$

= 0.43 Acc/Mev*

Monroe County Average Accident Rate for Unsignalized Intersections = 0.19 Acc/Mev
Note: * Roadway Segment Exceeds MCDOT Countywide Average Accident Rate.

#11 Lyell Avenue @ Calihan Park

ADT Lyell Ave = 17,724
Estimated ADT Calihan Park = 1,400
Total: 19,124 veh/day
Total Accidents = 3
Time Period = 3 Years

$$\text{Accident Rate} = \frac{(3 \text{ Accidents})\ 1\text{x}10^{\wedge 6})}{(3 \text{ Yr.})(365 \text{ days/year})(19{,}124 \text{ veh/day})}$$

= 0.14 Acc/Mev

Monroe County Average Accident Rate for Unsignalized Intersections = 0.19 Acc/Mev

#12 Lyell Avenue @ Austin Street

ADT Lyell Ave = 17,724
Estimated ADT Austin St = 1,400
Total: 19,124 veh/day
Total Accidents = 5
Time Period = 3 Years

$$\text{Accident Rate} = \frac{(5 \text{ Accidents})\ 1\text{x}10^{\wedge 6})}{(3 \text{ Yr.})(365 \text{ days/year})(19{,}124 \text{ veh/day})}$$

= 0.24 Acc/Mev*

Monroe County Average Accident Rate for Unsignalized Intersections = 0.19 Acc/Mev
Note: * Roadway Segment Exceeds MCDOT Countywide Average Accident Rate.

#13 Lyell Avenue @ Myrtle Street

ADT Lyell Ave = 17,724
Estimated ADT Myrtle St = 1,400
Total: 19,124 veh/day
Total Accidents = 13
Time Period = 3 Years

$$\text{Accident Rate} = \frac{(13 \text{ Accidents})\ 1\text{x}10^{\wedge 6})}{(3 \text{ Yr.})(365 \text{ days/year})(19{,}124 \text{ veh/day})}$$

= 0.62 Acc/Mev*

Monroe County Average Accident Rate for Unsignalized Intersections = 0.19 Acc/Mev
Note: * Roadway Segment Exceeds MCDOT Countywide Average Accident Rate.

#14 Lyell Avenue @ Cameron Street

ADT Lyell Ave = 17,724
Estimated ADT Calihan Park = 1,400
Total: 19,124 veh/day
Total Accidents = 14
Time Period = 3 Years

$$\text{Accident Rate} = \frac{(14 \text{ Accidents})\ 1\text{x}10^{\wedge 6})}{(3 \text{ Yr.})(365 \text{ days/year})(19{,}124 \text{ veh/day})}$$

= 0.67 Acc/Mev*

Monroe County Average Accident Rate for Unsignalized Intersections = 0.19 Acc/Mev
Note: * Roadway Segment Exceeds MCDOT Countywide Average Accident Rate.

#15 Lyell Avenue @ Angle Street

ADT Lyell Ave = 17,724
Estimated ADT Austin St = 250
Total: 17,974 veh/day
Total Accidents = 5
Time Period = 3 Years

$$\text{Accident Rate} = \frac{(5 \text{ Accidents})\ 1\text{x}10^{\wedge 6})}{(3 \text{ Yr.})(365 \text{ days/year})(17{,}974 \text{ veh/day})}$$

= 0.25 Acc/Mev*

Monroe County Average Accident Rate for Unsignalized Intersections = 0.19 Acc/Mev
Note: * Roadway Segment Exceeds MCDOT Countywide Average Accident Rate.

#16 Lyell Avenue @ Whitney Street

ADT Lyell Ave = 17,724
Estimated ADT Whitney St = 1,400
Total: 19,124 veh/day
Total Accidents = 18
Time Period = 3 Years

$$\text{Accident Rate} = \frac{(18 \text{ Accidents})\ 1\text{x}10^{\wedge 6})}{(3 \text{ Yr.})(365 \text{ days/year})(19{,}124 \text{ veh/day})}$$

= 0.86 Acc/Mev*

Monroe County Average Accident Rate for Unsignalized Intersections = 0.19 Acc/Mev
Note: * Roadway Segment Exceeds MCDOT Countywide Average Accident Rate.

#17 Lyell Avenue @ Likly Alley

ADT Lyell Ave = 17,724
Estimated ADT Likley Alley = 1,000
Total: 18,724 veh/day
Total Accidents = 1
Time Period = 3 Years

$$\text{Accident Rate} = \frac{(1 \text{ Accidents})\ 1\text{x}10^{\wedge 6})}{(3 \text{ Yr.})(365 \text{ days/year})(18{,}724 \text{ veh/day})}$$

= 0.05 Acc/Mev

Monroe County Average Accident Rate for Unsignalized Intersections = 0.19 Acc/Mev

#18 Lyell Avenue @ Orchard Street

ADT Lyell Ave = 17,724
Estimated ADT Orchard St = 1,600
Total: 19,324 veh/day
Total Accidents = 17
Time Period = 3 Years

$$\text{Accident Rate} = \frac{(17 \text{ Accidents})\ 1\text{x}10^{\wedge 6})}{(3 \text{ Yr.})(365 \text{ days/year})(19{,}324 \text{ veh/day})}$$

= 0.80 Acc/Mev*

Monroe County Average Accident Rate for Unsignalized Intersections = 0.19 Acc/Mev
Note: * Roadway Segment Exceeds MCDOT Countywide Average Accident Rate.

#19 Lyell Avenue @ Amber Pl

ADT Lyell Ave = 17,724
Estimated ADT Amber Pl = 100
Total: 17,824 veh/day
Total Accidents = 1
Time Period = 3 Years

$$\text{Accident Rate} = \frac{(1 \text{ Accidents})\ 1\text{x}10^{\wedge 6})}{(3 \text{ Yr.})(365 \text{ days/year})(17{,}824 \text{ veh/day})}$$

= 0.05 Acc/Mev

Monroe County Average Accident Rate for Unsignalized Intersections = 0.19 Acc/Mev

#20 Lyell Avenue @ Durkin Alley

ADT Lyell Ave = 17,724
Estimated ADT Durkin Alley = 100
Total: 17,824 veh/day
Total Accidents = 1
Time Period = 3 Years

$$\text{Accident Rate} = \frac{(1 \text{ Accidents})\ 1\text{x}10^{\wedge 6})}{(3 \text{ Yr.})(365 \text{ days/year})(17{,}824 \text{ veh/day})}$$

= 0.05 Acc/Mev

Monroe County Average Accident Rate for Unsignalized Intersections = 0.19 Acc/Mev

#21 Lyell Avenue @ Moore Street

ADT Lyell Ave = 17,724
Estimated ADT Moore St = 1,600
Total: 19,324 veh/day
Total Accidents = 3
Time Period = 3 Years

$$\text{Accident Rate} = \frac{(3 \text{ Accidents})\ 1\text{x}10^{\wedge 6})}{(3 \text{ Yr.})(365 \text{ days/year})(19{,}324 \text{ veh/day})}$$

= 0.14 Acc/Mev

Monroe County Average Accident Rate for Unsignalized Intersections = 0.19 Acc/Mev

#22 Lyell Avenue @ Oak Street

ADT Lyell Ave = 17,724
Estimated ADT Oak St = 100
Total: 17,824 veh/day
Total Accidents = 8
Time Period = 3 Years

$$\text{Accident Rate} = \frac{(8 \text{ Accidents})\ 1\text{x}10^{\wedge 6})}{(3 \text{ Yr.})(365 \text{ days/year})(17{,}824 \text{ veh/day})}$$

= 0.41 Acc/Mev*

Monroe County Average Accident Rate for Unsignalized Intersections = 0.19 Acc/Mev
Note: * Roadway Segment Exceeds MCDOT Countywide Average Accident Rate.

#23 Lyell Avenue @ Parkway

ADT Lyell Ave = 17,724
Estimated ADT Parkway = 1,400
Total: 19,124 veh/day
Total Accidents = 12
Time Period = 3 Years

$$\text{Accident Rate} = \frac{(12 \text{ Accidents})\ 1\text{x}10^{\wedge 6})}{(3 \text{ Yr.})(365 \text{ days/year})(19{,}124 \text{ veh/day})}$$

= 0.57 Acc/Mev*

Monroe County Average Accident Rate for Unsignalized Intersections = 0.19 Acc/Mev
Note: * Roadway Segment Exceeds MCDOT Countywide Average Accident Rate.

#24 Lyell Avenue @ Daus Alley

ADT Lyell Ave = 17,724
Estimated ADT Daus Alley = 1,400
Total: 19,124 veh/day
Total Accidents = 8
Time Period = 3 Years

$$\text{Accident Rate} = \frac{(8 \text{ Accidents})\ 1\text{x}10^{\wedge 6})}{(3 \text{ Yr.})(365 \text{ days/year})(19{,}124 \text{ veh/day})}$$

= 0.38 Acc/Mev*

Monroe County Average Accident Rate for Unsignalized Intersections = 0.19 Acc/Mev
Note: * Roadway Segment Exceeds MCDOT Countywide Average Accident Rate.

#25 Lyell Avenue @ Carroll Alley

ADT Lyell Ave = 17,724
Estimated ADT Carroll Alley = 100
Total: 17,824 veh/day
Total Accidents = 1
Time Period = 3 Years

$$\text{Accident Rate} = \frac{(1 \text{ Accidents})\ 1\text{x}10^{\wedge 6})}{(3 \text{ Yr.})(365 \text{ days/year})(17{,}824 \text{ veh/day})}$$

= 0.05 Acc/Mev

Monroe County Average Accident Rate for Unsignalized Intersections = 0.19 Acc/Mev

#26 Lyell Avenue @ Verona Street

ADT Lyell Ave = 17,724
Estimated ADT Verona St = 2,000
Total: 19,724 veh/day
Total Accidents = 4
Time Period = 3 Years

$$\text{Accident Rate} = \frac{(4 \text{ Accidents})\ 1\text{x}10^{\wedge 6})}{(3 \text{ Yr.})(365 \text{ days/year})(19{,}724 \text{ veh/day})}$$

= 0.19 Acc/Mev

Monroe County Average Accident Rate for Unsignalized Intersections = 0.19 Acc/Mev
Note: * Roadway Segment Exceeds MCDOT Countywide Average Accident Rate.

#27 Lyell Avenue @ Frankfort Street

ADT Lyell Ave = 17,724
Estimated ADT Frankfort St = 1,600
Total: 19,324 veh/day
Total Accidents = 4
Time Period = 3 Years

$$\text{Accident Rate} = \frac{(4 \text{ Accidents})\ 1\text{x}10^{\wedge 6})}{(3 \text{ Yr.})(365 \text{ days/year})(19{,}324 \text{ veh/day})}$$

= 0.19 Acc/Mev

Monroe County Average Accident Rate for Unsignalized Intersections = 0.19 Acc/Mev

LYELL AVENUE MIDBLOCK ACCIDENT ANALYSIS

#1 Lyell Avenue from Mt. Read Blvd to Glide Street:

AADT = 17,724 veh/day
Total Accidents = 15
Time Period = 3 Years
Length of Road = 0.27 Miles

$$\text{Accident Rate} = \frac{(15 \text{ Accidents})(1\text{x}10^{\wedge}6)}{(3 \text{ Yr.})(365 \text{ days/year})(17{,}724 \text{ veh/day})(0.27 \text{ Miles})}$$

= 2.86 Acc/Mvm*

Monroe County Average Accident Rate (Urban Minor Arterial) = 2.53 Acc/Mvm
Note: * Roadway Segment Exceeds MCDOT Countywide Average Accident Rate.

#2 Lyell Avenue from Glide Street to Hague Street:

AADT = 17,724 veh/day
Total Accidents = 24
Time Period = 3 Years
Length of Road = 0.38 Miles

$$\text{Accident Rate} = \frac{(24 \text{ Accidents})(1\text{x}10^{\wedge}6)}{(3 \text{ Yr.})(365 \text{ days/year})(17{,}724 \text{ veh/day})(0.38 \text{ Miles})}$$

= 3.25 Acc/Mvm*

Monroe County Average Accident Rate (Urban Minor Arterial) = 2.53 Acc/Mvm
Note: * Roadway Segment Exceeds MCDOT Countywide Average Accident Rate.

#3 Lyell Avenue from Hague Street to Murray Street:

AADT = 17,724 veh/day
Total Accidents = 20
Time Period = 3 Years
Length of Road = 0.22 Miles

$$\text{Accident Rate} = \frac{(20 \text{ Accidents})(1\text{x}10^{\wedge}6)}{(3 \text{ Yr.})(365 \text{ days/year})(17{,}724 \text{ veh/day})(0.22 \text{ Miles})}$$

= 4.68 Acc/Mvm*

Monroe County Average Accident Rate (Urban Minor Arterial) = 2.53 Acc/Mvm
Note: * Roadway Segment Exceeds MCDOT Countywide Average Accident Rate.

LYELL AVENUE MIDBLOCK ACCIDENT ANALYSIS

#4 Lyell Avenue from Murray Street to Child Street:

AADT = 17,724 veh/day
Total Accidents = 30
Time Period = 3 Years
Length of Road = 0.17 Miles

$$\text{Accident Rate} = \frac{(30 \text{ Accidents})(1\text{x}10^{\wedge 6})}{(3 \text{ Yr.})(365 \text{ days/year})(17{,}724 \text{ veh/day})(0.17 \text{ Miles})}$$

= 9.09 Acc/Mvm*

Monroe County Average Accident Rate (Urban Minor Arterial) = 2.53 Acc/Mvm
Note: * Roadway Segment Exceeds MCDOT Countywide Average Accident Rate.

#5 Lyell Avenue from Child Street to Broad Street:

AADT = 17,724 veh/day
Total Accidents = 29
Time Period = 3 Years
Length of Road = 0.25 Miles

$$\text{Accident Rate} = \frac{(29 \text{ Accidents})(1\text{x}10^{\wedge 6})}{(3 \text{ Yr.})(365 \text{ days/year})(17{,}724 \text{ veh/day})(0.25 \text{ Miles})}$$

= 5.98 Acc/Mvm*

Monroe County Average Accident Rate (Urban Minor Arterial) = 2.53 Acc/Mvm
Note: * Roadway Segment Exceeds MCDOT Countywide Average Accident Rate.

#6 Lyell Avenue from Broad Street to Dewey Avenue:

AADT = 17,724 veh/day
Total Accidents = 9
Time Period = 3 Years
Length of Road = 0.07 Miles

$$\text{Accident Rate} = \frac{(9 \text{ Accidents})(1\text{x}10^{\wedge 6})}{(3 \text{ Yr.})(365 \text{ days/year})(17{,}724 \text{ veh/day})(0.07 \text{ Miles})}$$

= 6.62 Acc/Mvm*

Monroe County Average Accident Rate (Urban Minor Arterial) = 2.53 Acc/Mvm
Note: * Roadway Segment Exceeds MCDOT Countywide Average Accident Rate.

LYELL AVENUE MIDBLOCK ACCIDENT ANALYSIS

#7 Lyell Avenue from Dewey Avenue to Saratoga Avenue:

AADT = 17,724 veh/day
Total Accidents = 9
Time Period = 3 Years
Length of Road = 0.16 Miles

$$\text{Accident Rate} = \frac{(9 \text{ Accidents})(1\text{x}10^{\wedge 6})}{(3 \text{ Yr.})(365 \text{ days/year})(17{,}724 \text{ veh/day})(0.16 \text{ Miles})}$$

= 2.90 Acc/Mvm*

Monroe County Average Accident Rate (Urban Minor Arterial) = 2.53 Acc/Mvm
Note: * Roadway Segment Exceeds MCDOT Countywide Average Accident Rate.

#8 Lyell Avenue from Saratoga Avenue to Plymouth Avenue:

AADT = 17,724 veh/day
Total Accidents = 16
Time Period = 3 Years
Length of Road = 0.15 Miles

$$\text{Accident Rate} = \frac{(16 \text{ Accidents})(1\text{x}10^{\wedge 6})}{(3 \text{ Yr.})(365 \text{ days/year})(17{,}724 \text{ veh/day})(0.15 \text{ Miles})}$$

= 5.50 Acc/Mvm*

Monroe County Average Accident Rate (Urban Minor Arterial) = 2.53 Acc/Mvm
Note: * Roadway Segment Exceeds MCDOT Countywide Average Accident Rate.

#9 Lyell Avenue from Plymouth Avenue to Lake Avenue:

AADT = 17,724 veh/day
Total Accidents = 18
Time Period = 3 Years
Length of Road = 0.15 Miles

$$\text{Accident Rate} = \frac{(18 \text{ Accidents})(1\text{x}10^{\wedge 6})}{(3 \text{ Yr.})(365 \text{ days/year})(17{,}724 \text{ veh/day})(0.15 \text{ Miles})}$$

= 6.18 Acc/Mvm*

Monroe County Average Accident Rate (Urban Minor Arterial) = 2.53 Acc/Mvm
Note: * Roadway Segment Exceeds MCDOT Countywide Average Accident Rate.

Priority Intersection Locations

TO: James R. Pond, P.E., PTOE, Chief of Traffic Signal Engineering & Operations

FROM: David P. Hrankowski, P.E., Principal Traffic Engineering Technician

DATE: June 21, 2018

SUBJECT: Lyell Avenue at Saratoga Avenue/Spencer Street

Introduction

This is a P.I.L. study as part of the High Accident Location Program.

Site Visits

3/1/18	-	field review (PBM)
3/7/18	-	review via Google Maps (DPH)

Discussion

The subject intersection is controlled by a two phase traffic signal. Eastbound and westbound Lyell Avenue comprises the major street, one travel lane for inbound and for outbound with bike lanes on both sides. Saratoga Avenue intersects from the north at a left hand skew with one inbound lane (signal controlled) and one outbound lane. Spencer Street is part of the intersection but is one way away northeasterly. There are marked signal controlled crosswalks on all four legs; the crosswalk on the west leg is enhanced. There are pedestrian actuated buttons to cross Lyell Avenue only. The white crosswalk and stop bar markings are faded. One hour parking is allowed on the south side opposite Saratoga Avenue and on the north side west of Saratoga Avenue. Parking is prohibited on Saratoga Avenue near the intersection; it's alternate parking on Spencer Street.

The three year – three month accident history (10/1/14-12/31/17) revealed a total of 29 accidents. The annual accident rates for 2015 and 2017 exceeded the critical rate. Seventeen of the 29 accidents were either rear end type (twelve) or sideswipe type (five); all but one were in the eastbound or westbound directions. There were also three pedestrian accidents; all three occurred west of the intersection outside the crosswalk, pedestrian error was a factor in all three.

Conclusions/Recommendations

Based on the findings, I recommend no action other than refreshing the crosswalk and stop bar markings. The crosswalk on the west leg is enhanced as per a recommendation from the 2007 Pedestrian Activity Safety Study. The markings should be refreshed with a ladder crosswalk (NYSDOT type LS).

file

TO: Dave Hrankowski, Principal Traffic Engineering Technician D.P.H./BRP

FROM: Paul McComb, Traffic Eng. Tech.

DATE: December 5, 2014

SUBJECT: Lyell Avenue at Whitney Street — updated 11/5/16 PIL Study

Introduction

This is a P.I.L. study as part of the High Accident Location Program.

Site Visits

11/25/14 - field review (PBM)
12/2/14 - field review (DPH/PBM)
12/22/14 - field review - BRP

Discussion

- Lyell Avenue is a two lane east/west minor arterial roadway. Whitney Street is a residential street that "T" intersects Lyell Avenue from the south and is stop controlled for northbound traffic.

- There is small grocery store located on the southeast corner and a used car lot on the southwest corner. There are also businesses on the north side opposite the car lot and a small shopping plaza located about 100 feet west of Whitney Street on the north side with a parking lot for about 50 vehicles.

- There is white edge line on both sides of Lyell Avenue eight feet offset from the curb and bike lanes for eastbound and westbound traffic. The bike lane ends for eastbound traffic east of Whitney Street.

- Unrestricted parking exists on both sides of Lyell Avenue. During the field reviews parked vehicles were sparse on Lyell Avenue. I did not observe any parked vehicles on Lyell Avenue within 100 feet of Whitney Street.

- Sight distance is adequate for northbound traffic looking to the east and west from ten feet back of the white edge line. It's adequate from ten feet back of the curb line on the south side of Lyell Avenue if there are no parked vehicles near the intersection.

Accident History

- The accident history reviewed for a four year – eight month period, 8/1/09 through 3/31/14, identified 19 accidents that occurred at the subject intersection. The annual accident rates generally exceed the critical rate over the past five years.

- There were five right angle type accidents. Four of the five involved a northbound vehicle and an eastbound vehicle. In four of the five right angle accidents the northbound motorist was making a left turn. Failure to yield the right of way was a common factor.

- There was no significant pattern of time in the right angle type accidents; one occurred during the AM peak hour period. Two of the right angle type accidents occurred in 2013 and involved an eastbound vehicle.

- There were eight rear end type accidents. Five of these involved westbound traffic, the most recent occurred in 2012. There was no significant pattern of time; none occurred during a peak hour period.

Conclusions/Recommendations

Based on the findings, I do not recommend any traffic control or traffic feature changes. The sign investigator was notified to have a corner clearance sign installed on the southwest corner in advance of the bus stop.

I concur. D.P.M. 12/10/14

I field reviewed the location on 12/22/14.
I agree that the traffic control and traffic features in place are adequate (with the corner clearance sign added). There are no accident patterns of note. Rear end collisions would be related to signals at other intersections to the east and west, and are expected in a highly urban area like this setting. JRP 12/23/14

12/27/14
I concur
JR

TO: Dave Hrankowski, P.E., Principal Traffic Engineering Technician P.P.H. / JRP File

FROM: Paul McComb, Traffic Eng. Tech. PBM

DATE: November 15, 2016

SUBJECT: Lyell Avenue, Murray Street to Sherman Street

Introduction

This is a P.I.L. study as part of the High Accident Location Program. As a result of a 2014 P.I.L. study at the intersection of Lyell Avenue/Whitney Street a work order was written to install a corner clearance sign on the southwest corner in advance of the bus stop. The bus stop sign and the corner clearance sign no longer exist at this location. To address accident patterns at the intersection with Sherman Street, an eastbound left turn only lane and a westbound right turn only lane was striped in February 2007.

Site Visits

10/31/16 - field review (PBM)
11/2/16 - field review (DPH/PBM)
11/23/16 - field review - JRP

Field Conditions

- The subject section of Lyell Avenue is a two-lane urban minor arterial roadway; development primarily consists of small retail shops. There is also a small shopping plaza located about 100 feet west of Whitney Street on the north side, a fire station opposite Child Street, and a Rite Aid Pharmacy opposite Angle Street.

- There are seven intersections, three with two phase traffic signal control (at Murray Street, Child Street, and Sherman Street). Murray Street is a four legged intersection with the north leg (one way southbound) offset to the west of the south leg by about 20 feet. There are red light cameras for eastbound/westbound traffic at this intersection.

- Child Street "T" intersects Lyell Avenue from the south and Sherman Street "T" intersects Lyell Avenue from the north at a skew. Angle Street intersects from the north and is one way away from Lyell Avenue. The remaining three "T" intersections are stop controlled for northbound or southbound traffic.

- There are no left turn only lanes at Murray Street or at Child Street so there is a negative offset to opposing traffic for westbound left turning vehicles. A negative offset also exists for eastbound left turning vehicles at Sherman Street although there is a left turn only lane for eastbound traffic. These are not true negative offsets because there are no opposing left turn movements at any of these three intersections – thus no one stopped to block the view. — JRP

- A five foot wide bike lane exists on both sides, but is interrupted for westbound traffic along the block east of Murray Street and the block east of Child Street. This allows a bypass lane on the north side for through vehicles to pass westbound left turning vehicles at both intersections.

- Parking is generally allowed on both sides of Lyell Avenue with some time restrictions. The sight distance looking to the east and west from ten feet back of the white edge line is adequate for northbound or southbound traffic at the four unsignalized intersections if there are no parked vehicles. Parking can limit sight distance, but that is normal for urban conditions.

- There is an existing marked crosswalk on the north leg of Myrtle Street at Lyell Avenue. The safe route to school maps do not direct students to cross this leg.

Accident History

The accident history for a three year period from 8/1/13 through 7/31/16 identified 201 accidents that occurred along the subject section of roadway. The intersection and non-intersection annual accident rates are generally above the critical rate. The intersection with Murray Street is a designated P.I.L.

Lyell Avenue at Murray Street

- There were 34 accidents that occurred at this intersection; seven were left turn type accidents, six involved westbound left turning vehicles. Two of the six occurred in 2013, two in 2014 and two in 2015. In both of the accidents that occurred in 2014 the eastbound motorist had just entered traffic from a parked position near the southwest corner. Failure to yield the right was a contributing factor in the two that occurred in 2015 and one in 2013. One of the six occurred during the PM peak hour period.

- There were three right angle type accidents; all three involved a southbound and a westbound vehicle. Two occurred in 2014 and one in 2015. Slippery pavement was a contributing factor in one that occurred in 2014, unsafe speed was a contributing factor in the other that involved a police vehicle that passed the red with lights and sirens. The traffic control being disregarded was a contributing factor in the one that occurred in 2015. The southbound vehicle passed the red in all three.

- There were three bike type accidents. Two of the bike type accidents occurred in 2014 and one in 2015. Unsafe speed was a contributing factor in one, failure to yield the right of way was a contributing factor in one and bicyclist error was a contributing factor in the other.

- There were two pedestrian type accidents; one in 2016 and one in 2013. The one that occurred in 2013 involved a wheel chair. The motorist hit the wheel chair in the crosswalk; she stated that she did not see the wheel chair. The view being obstructed/ limited was a contributing factor. The other one involved a pedestrian being pursued by police, pedestrian error was a contributing factor in this accident.

- There were twelve rear end type accidents, five involved eastbound traffic and five involved westbound traffic. Three of the five that involved eastbound traffic occurred in 2015. Two of the five that involved westbound traffic occurred in 2015, two occurred in 2014. Slippery pavement was a contributing factor in one that involved westbound traffic. Following too closely was a factor in most of them.

Lyell Avenue, East of Murray Street

- There were six accidents that occurred along this section of roadway; four were sideswipe type accidents, two occurred in 2015 and two in 2016. Three of the four involved eastbound traffic, two involved vehicles that were previously parked but attempted to merge into traffic within 50 feet east of Murray Street.

Lyell Avenue at Myrtle Street

- Eight of the nine rear end type accidents involved westbound traffic. Two of the eight occurred in 2013, three occurred in 2014, and three occurred in 2015. All eight occurred on a weekday, three occurred during a peak hour period. A contributing factor in one that occurred in 2015 was slippery pavement, following too closely or driver inattention were factors in the others.

- There was one pedestrian type accident that occurred when the pedestrian was not crossing at a crosswalk and was hit by the mirror of a westbound vehicle. Pedestrian error was a contributing factor.

- There was one bike type accident that occurred when an eastbound left turning vehicle hit the bicyclist crossing Myrtle Street. Failure to yield the right of way was a contributing factor.

Lyell Avenue, East of Myrtle Street

- There were fourteen accidents that occurred along this section of roadway. Five of the eight rear end type accidents involved eastbound traffic. Two of the five occurred in 2015, two in 2013 and four of the five occurred on a weekday. None occurred during a peak hour period, but all four that occurred on a weekday occurred in the afternoon or evening. The three that involved westbound traffic all occurred during a different year, all on a weekday, and all during the afternoon.

- Both sideswipe type accidents occurred in 2015; one involved eastbound traffic and one involved westbound traffic. Both occurred close to the intersection with Cameron Street and involved vehicles entering traffic from a parked position. Failure to yield the right of way or driver inattention were contributing factors.

Lyell Avenue at Cameron Street

- There were four side swipe type accidents; all involved westbound traffic, there was no pattern of time. Two occurred in 2015, one in 2014 and one in 2013. In one of the accidents the motorist at fault was attempting to pass a right turning vehicle on the right side. In another one the motorist at fault made a right turn in front of a street cleaner that was moving along the curb. Failure to yield the right of way was a contributing factor in this accident, passing or improper lane use was a contributing factor in the other three.

Lyell Avenue, East of Cameron Street

- There were thirteen accidents that occurred along this section of roadway, six were rear end type accidents. Of the six accidents, five involved eastbound traffic; three occurred in 2015, two in 2013, and all occurred on a weekday.

- All of the rear end type accidents that involved eastbound traffic occurred during the afternoon, one during the PM peak hour period. A contributing factor in one in 2013 was slippery pavement. The one that involved a westbound vehicle occurred during the AM peak hour period.

- The three side swipe type accidents all involved eastbound traffic; all three occurred during a different year, the most recent one occurred in July 2016. In the ones that occurred in 2016 and 2014, the eastbound vehicles at fault entered the eastbound lane from a parked position. Failure to yield the right of way was a contributing factor in all three accidents.

Lyell Avenue at Child Street

- There were 38 accidents that occurred at this intersection, five were left turn type accidents. Of the five, one occurred in 2015, three occurred in 2014 and all five involved a westbound left turning vehicle. There was no significant pattern of time; all occurred on a weekday, none occurred during a peak hour period. Failure to yield the right of way or driver inattention were contributing factors.

- Of the thirteen rear end type accidents five involved eastbound traffic, six involved westbound traffic, and in one the direction is unknown. Of the five that involved eastbound traffic, two occurred in 2016 and three occurred in 2015. All five occurred on a weekday, two during the PM peak hour period. A contributing factor in one was slippery pavement; following too closely was a contributing factor in three of the others.

- Of the six that involved westbound traffic, two occurred in 2016 and three occurred in 2014. Two occurred during the AM peak hour period and two occurred during the PM peak hour period. Following too closely was a contributing factor in four of the accidents.

- There were nine sideswipe type accidents, six involved westbound traffic. One of the six occurred in 2016, two occurred in 2015, and two occurred in 2013. The five that occurred on a weekday occurred during the afternoon or evening, one occurred during the PM peak hour period. A contributing factor in one was slippery pavement. The contributing factor in the other five was unsafe lane change or improper passing or lane use.

- The three that involved eastbound traffic all occurred during a different year, the most recent was in July of 2016. The one that did not occur on a weekend occurred in 2013. The contributing factors in two of the accidents were unsafe lane change or improper passing or lane use.

- There were three pedestrian type accidents. Two involved northbound right turning vehicles and both occurred in 2016. In one, the pedestrian was hit when the motorist was getting away from the pedestrian after stopping; the pedestrian was later arrested. Pedestrian error was a contributing factor in this accident. Alcohol was a contributing factor in the other accident.

- In the pedestrian type accident that involved a westbound vehicle the pedestrian crossed against the red. Failure to yield the right of way was a contributing factor in this accident.

- In the bike type accident the northbound right turning vehicle was hit by an eastbound bike. Failure to yield the right of way and the traffic control being disregarded was a contributing factor in this accident.

<u>Lyell Avenue, East of Child Street</u>

- There were three driveway type accidents. Two of them involved southbound vehicles exiting the parking lot at #444. In the one involving an eastbound vehicle, the southbound left turning motorist stated that he did not see the eastbound vehicle. Two of the three occurred in 2014, one in 2016, and two occurred during a peak hour period. Failure to yield the right of way was a contributing factor in all three accidents.

- There were three sideswipe type accidents all involving eastbound traffic, all three occurred on a weekday in 2014. In two of the accidents the vehicle was either parked or pulled over before entering traffic. In one of the accidents the vehicle's mirror was covered with snow.

- There were four rear end type accidents; two involved eastbound traffic and two involved westbound traffic. Three occurred in 2015, one in 2016, and none during a peak hour period.

- There were two pedestrian type accidents, one occurred in 2016 and one in 2014. In one, the northbound pedestrian was hit by a westbound vehicle. In the other the pedestrian outside of the crosswalk was hit by a northbound right turning vehicle; failure to yield the right of way was a contributing factor.

Lyell Avenue at Angle Street

- There were three rear end type accidents, all involved westbound traffic. All three occurred during a different year, the most recent one in 2016. There was no significant pattern of time.

Lyell Avenue, East of Angle Street

- There were fifteen accidents, seven were rear end type accidents, one occurred on a weekend. Four of the seven occurred in 2014, two in 2015, and three during the PM peak hour period. Following too closely was a contributing factor in most; driver inexperience in two.

- In one of the two sideswipe type accidents the westbound vehicle at fault was entering traffic from an on street parked position. Failure to yield the right of way was a contributing factor. Unsafe lane change was a contributing factor in the other sideswipe type accident.

Lyell Avenue at Whitney Street

- There were two right angle type accidents, both occurred 2013 and involved a northbound and an eastbound vehicle. Failure to yield the right of way was a contributing factor in both.

- There was one pedestrian type accident occurred when a northbound pedestrian crossing Lyell Avenue was hit by a backing vehicle. Backing unsafely and pedestrian error were contributing factors.

- There were three rear end type accidents that involved westbound traffic. All three occurred during a different year with no pattern of time. There were two sideswipe type accidents that occurred during different years. One involved an eastbound vehicle that entered the roadway from a parked position.

Lyell Avenue, East of Whitney Street

- There were seven rear end type accidents, five involved eastbound traffic. Two of the five occurred in 2015, two in 2014, and there was no pattern of time. A contributing factor in one of the accidents that occurred in 2015 was slippery pavement and unsafe speed. Sun glare was a contributing factor in one that occurred in 2014. All of the rear end type accidents occurred on a weekday, one during a peak hour period.

- There were three sideswipe type accidents, all three involved eastbound vehicles, and all three occurred during a different year. The one that occurred in 2015 involved the eastbound vehicle entering traffic from a parked position. A contributing factor in this accident was the view being obstructed/limited.

Lyell Avenue at Sherman Street

- There were thirteen accidents; six were rear end type accidents, four involved eastbound traffic. Of the four, two occurred in 2014 and one occurred in 2016. Slippery was a contributing factor in one of the two that occurred in 2014.

- There were three left turn type accidents; two occurred in 2013 and one in 2016. Driver inattention was a contributing factor in the one that occurred in 2016, failure to yield the right of way in the other two.

- There was one pedestrian type accident that involved an eastbound left turning vehicle. The pedestrian was struck by the vehicle's mirror; the vehicle left the scene.

Conclusion/Recommendations

Based on the findings, I do not recommend any traffic control or traffic feature changes. There are no accident patterns at any location significant enough to need specific countermeasures at this time. I requested that the sign investigator have the missing corner clearance sign installed on the south side of Lyell Avenue west of Whitney Street. I also requested that the investigator look into missing "One Hour Parking 7 AM to 8 PM" parking signs on the north side from east of Murray Street to Cameron Street. Finally, I asked Brent Penwarden to have the crosswalk on the north leg of the intersection with Myrtle Street be allowed to fade. There is no school route or MCDOT policy reason to have a crosswalk here.

I concur. D.P.N. 11/17/16

I field reviewed the location on 11/23/16. The road has been resurfaced to add bicycle lanes in recent years. This has helped to channelize traffic better. The lack of left turn lanes at the signalized intersections noted above are not of concern for viewing oncoming traffic since none of those left turning movements have opposing left turning traffic either because they are tee intersections (Sherman, Child) or because of one way operation (Murray). Overall, as noted above there are no significant collision patterns. The types we do see are typical of the type of road characteristics found here with parking, frequent signals, and many commercial driveways.

I agree with the above recommendations. JRP 11/26/16

On 11/26/16, I discussed the above with Terry Rose and he concurred. JRP

Accident Rate Tables

AVERAGE ACCIDENT RATES FOR STATE HIGHWAYS BY FACILITY TYPE

(BASED ON ACCIDENT DATA January 1, 2015 TO December 31, 2016)

Average accident rates are based on both reportable and available non-reportable crashes.

MAINLINE ACCIDENTS ONLY: "Non-Intersection Accidents/MVM" is used for linear highway sections where there are no intersecting roads or ramp junctions within analysis limits. An example of the correct use of these rates would involve a linear section of highway which contains no intersections with other public highways, but may contain intersections with private roads or driveways.

MAINLINE & JUNCTURE ACCIDENTS: "Intersection & Non-Intersection Accidents/MVM" includes intersection and mainline accidents. They are used for analysis of linear highway sections where intersections are involved within the analysis limits and are the most commonly used rates for accident analysis purposes.

FACILITY TYPE

FREE ACCESS CONTROLLED	MAINLINE ACCIDENTS ONLY			MAINLINE & JUNCTURE ACCIDENTS		
RURAL FUNCTION CLASS	ALL TYPES	WET ROAD	FIXED OBJECT	ALL TYPES	WET ROAD	FIXED OBJECT
UNDIVIDED	ACC/MVM	ACC/MVM	ACC/MVM	ACC/MVM	ACC/MVM	ACC/MVM
2 LANES	2.1	0.33	0.58	2.61	0.4	0.68
3 LANES	1.87	0.24	0.57	2.25	0.27	0.64
4 LANES	1.9	0.26	0.36	2.55	0.34	0.44
ALL LANES	2.09	0.33	0.58	2.6	0.4	0.68
DIVIDED						
2 LANES	1.88	0.27	0.46	2.56	0.36	0.57
4 LANES	1.92	0.29	0.51	2.15	0.32	0.54
ALL LANES	1.92	0.29	0.48	2.3	0.33	0.57
URBAN FUNCTION CLASS						
UNDIVIDED						
2 LANES	2.23	0.33	0.34	3.5	0.52	0.45
3 LANES	2.71	0.36	0.27	4.31	0.63	0.38
4 LANES	3.22	0.49	0.22	5.5	0.86	0.31
ALL LANES	2.46	0.36	0.31	3.95	0.59	0.43
DIVIDED						
2 LANES	3.13	0.48	0.2	5.14	0.78	0.28
4 LANES	2.85	0.45	0.18	4.52	0.72	0.24
6 LANES	3.65	0.53	0.16	4.8	0.71	0.2
7 LANES	3.05	0.58	0.09	3.99	0.72	0.16
ALL LANES	3.1	0.48	0.16	4.7	0.73	0.25

PARTIAL CONTROL OF ACCESS	MAINLINE ACCIDENTS ONLY			MAINLINE & JUNCTURE ACCIDENTS		
RURAL FUNCTION CLASS	ALL TYPES	WET ROAD	FIXED OBJECT	ALL TYPES	WET ROAD	FIXED OBJECT
UNDIVIDED	ACC/MVM	ACC/MVM	ACC/MVM	ACC/MVM	ACC/MVM	ACC/MVM
2 LANES	1.87	0.35	0.44	2.44	0.48	0.51
ALL LANES	1.91	0.35	0.43	2.47	0.48	0.53
DIVIDED						
4 LANES	1.85	0.29	0.81	1.97	0.32	0.85
ALL LANES	1.84	0.29	0.8	1.96	0.32	0.85
URBAN FUNCTION CLASS						
UNDIVIDED						
2 LANES	1.73	0.32	0.39	2.51	0.45	0.47
ALL LANES	2.02	0.39	0.35	3.11	0.58	0.43
DIVIDED						
4 LANES	1.62	0.27	0.32	1.94	0.32	0.34
6 LANES	1.73	0.27	0.25	2	0.32	0.27
ALL LANES	1.73	0.28	0.31	2.1	0.34	0.33

CONTROLLED ACCESS (FULL)						
RURAL FUNCTION CLASS						
UNDIVIDED						
2 LANES	2.13	0.36	0.56	2.64	0.44	0.67
ALL LANES	2.26	0.37	0.57	2.79	0.44	0.67
DIVIDED						
4 LANES	1.07	0.16	0.45	1.11	0.16	0.46
5 LANES	1.01	0.16	0.47	1.04	0.16	0.5
6 LANES	1.11	0.23	0.51	1.23	0.24	0.55
ALL LANES	1.08	0.16	0.45	1.11	0.17	0.46

	MAINLINE ACCIDENTS ONLY			MAINLINE & JUNCTURE ACCIDENTS		
URBAN FUNCTION CLASS	ALL TYPES	WET ROAD	FIXED OBJECT	ALL TYPES	WET ROAD	FIXED OBJECT
UNDIVIDED	ACC/MVM	ACC/MVM	ACC/MVM	ACC/MVM	ACC/MVM	ACC/MVM
ALL LANES	1.48	0.21	0.27	2.1	0.31	0.34
DIVIDED						
4 LANES	1.08	0.16	0.29	1.18	0.18	0.3
5 LANES	0.99	0.16	0.29	1.14	0.18	0.31
6 LANES	1.16	0.18	0.19	1.26	0.19	0.21
7 LANES	1.42	0.2	0.28	1.47	0.21	0.33
ALL LANES	1.12	0.17	0.22	1.22	0.19	0.24

AVERAGE INTERSECTION ACCIDENT RATES FOR STATE HIGHWAYS BY INTERSECTION TYPE

(BASED ON ACCIDENT DATA January 1, 2015 TO December 31, 2016)

INTERSECTION TYPE	ALL TYPES ACC/MEV	WET ROAD ACC/MEV	LEFT TURN ACC/MEV	REAR END CC/ME	OVER-TAKING ACC/MEV	RIGHT ANGLE ACC/MEV	RIGHT TURN ACC/MEV	HEAD ON ACC/MEV	SIDE-SWIPE ACC/MEV
RURAL FUNCTION CLASS									
3 LEGGED INTERSECTIONS									
SIGNAL ALL LANES	0.26	0.04	0.03	0.09	0.03	0.03	0.01	0.00	0.00
SIGN ALL LANES	0.17	0.02	0.01	0.03	0.01	0.01	0.00	0.00	0.00
NO CONTROL ALL LANES	0.11	0.02	0.01	0.02	0.01	0.01	0.00	0.00	0.00
4LEGGED&>INTERSECTIONS									
SIGNAL ALL LANES	0.58	0.09	0.06	0.16	0.03	0.15	0.02	0.01	0.01
SIGN ALL LANES	0.35	0.05	0.03	0.05	0.01	0.1	0.01	0	0.01
NO CONTROL ALL LANES	0.23	0.05	0.02	0.05	0.01	0.04	0	0.01	0
ON RAMP (ALL CONTROL)									
MERGE W/ 1 LANE	0.19	0	0	0.19	0	0	0	0	0
MERGE W/ 2&> LANES	0.03	0.01	--	--	--	--	--	--	--
OFF RAMP (ALL CONTROL)									
MERGE W/ 1 LANE	0	0	--	--	--	--	--	--	--
MERGE W/ 2&> LANES	0.08	0.01	--	0.01	0	--	--	--	--

INTERSECTION TYPE	ALL TYPES ACC/MEV	WET ROAD ACC/MEV	LEFT TURN ACC/MEV	REAR END CC/ME	OVER-TAKING ACC/MEV	RIGHT ANGLE ACC/MEV	RIGHT TURN ACC/MEV	HEAD ON ACC/MEV	SIDE-SWIPE ACC/MEV
URBAN FUNCTION CLASS									
3 LEGGED INTERSECTIONS									
SIGNAL 1-4 LANES	0.32	0.05	0.03	0.12	0.04	0.04	0.01	0	0.01
SIGNAL W/ LEFT TURN 5 & > LANES	0.14	0.02	0.01	0.05	0.03	0.02	0	0	0
SIGNAL W/0 LEFT TURN 5 & > LANES	0.14	0.02	0.01	0.06	0.03	0.01	0	0	0
SIGN 1-3 LANES	0.18	0.03	0.02	0.06	0.01	0.02	0	0	0
SIGN 4 LANES	0.12	0.02	0.01	0.04	0.01	0.02	0	0	0
SIGN 5 & > LANES	0.06	0.01	0	0.02	0.01	0.01	0	0	0
NO CONTROL ALL LANES	0.05	0.01	0	0.02	0.01	0	0	0	0
4 LEGGED &> INTERSECTIONS									
SIGNAL 1-4 LANES	0.52	0.08	0.05	0.21	0.06	0.08	0.02	0.01	0.01
SIGNAL W/ LEFT TURN 5 & > LANES	0.25	0.04	0.01	0.11	0.04	0.03	0.01	0	0
SIGNAL W/0 LEFT TURN 5 & > LANES	0.2	0.03	0.02	0.06	0.03	0.04	0.01	0	0
SIGN 1-3 LANES	0.29	0.04	0.03	0.08	0.02	0.07	0.01	0	0
SIGN 4 & > LANES	0.16	0.02	0.01	0.05	0.01	0.03	0	0	0
NO CONTROL ALL LANES	0.19	0.03	0.01	0.07	0.02	0.04	0.01	0	0
ON RAMP (ALL CONTROL)									
MERGE W/ 1 LANE	0.17	0	0.01	0.12	0.01	0.01	0	0	0
MERGE W/ 2 LANES	0.03	0	0	0.01	0	0	0	0	0
MERGE W/ 3&> LANES	0.01	0	0	0.01	0	0	0	0	0
OFF RAMP (ALL CONTROL)									
MERGE W/ 1 LANE	0.18	0.03	0	0.06	0.06	0.01	--	--	--
MERGE W/ 2 LANES	0.04	0.01	--	0.01	0.01	--	--	--	--
MERGE W/ 3&> LANES	0.02	0	--	0.01	--	--	--	--	--

MCDOT Average Accident Rates
Intersection Accident Data For 2014-2016

Intersection Functional Class	Number of Intersections	Average Rate
Rural Local / Rural Local - Unsignalized	219	0.19
Rural Major Collector / Rural Local - Unsignalized	30	0.09
Rural Major Collector / Rural Major Collector - Unsignalized	5	0.24
Rural Major Collector / Rural Minor Collector - Unsignalized	4	0.75
Rural Minor Arterial / Rural Local - Unsignalized	7	0.12
Rural Minor Collector / Rural Local - Unsignalized	145	0.17
Rural Minor Collector / Rural Minor Collector - Unsignalized	28	0.34
Urban Collector / Rural Local - Unsignalized	14	0.09
Urban Collector / Urban Collector - Signalized	37	0.99
Urban Collector / Urban Collector - Unsignalized	63	0.35
Urban Collector / Urban Local - Signalized	44	0.78
Urban Collector / Urban Local - Unsignalized	1316	0.21
Urban Local / Rural Local - Unsignalized	13	0.03
Urban Local / Urban Local - Signalized	6	0.52
Urban Local / Urban Local - Unsignalized	2285	0.27
Urban Minor Arterial / Urban Collector - Signalized	99	1.00
Urban Minor Arterial / Urban Collector - Unsignalized	26	0.57
Urban Minor Arterial / Urban Local - Signalized	227	0.51
Urban Minor Arterial / Urban Local - Unsignalized	1621	0.19
Urban Minor Arterial / Urban Minor Arterial - Signalized	131	1.16
Urban Minor Arterial / Urban Minor Arterial - Unsignalized	53	0.23
Urban Principal Arterial (Other Street) / Urban Collector - Signalized	6	0.55
Urban Principal Arterial (Other Street) / Urban Collector - Unsignalized	4	1.09
Urban Principal Arterial (Other Street) / Urban Local - Signalized	24	0.53
Urban Principal Arterial (Other Street) / Urban Local - Unsignalized	99	0.12
Urban Principal Arterial (Other Street) / Urban Minor Arterial - Signalized	14	0.98
Urban Principal Arterial (Other Street) / Urban Minor Arterial - Unsignalized	3	0.66
Urban Principal Arterial (Other Street) / Urban Principal Arterial (Other Street) - Signalized	5	1.39
Urban Principal Arterial (Other Street) / Urban Principal Arterial (Other Street) - Unsignalized	4	0.42

Intersection Rates in Accidents per Million Entering Vehicles

4/12/2018

MCDOT Average Accident Rates
Linear Accident Data For 2014-2016

Functional Class	Total Length (miles)	Average Rate
Rural Local	135.49	2.18
Rural Major Collector	19.48	2.39
Rural Minor Arterial	4.82	2.38
Rural Minor Collector	81.43	2.01
Urban Collector	222.33	2.34
Urban Local	501.42	5.64
Urban Minor Arterial	237.29	2.53
Urban Principal Arterial (Other Street)	15.89	2.39

Linear Rates In Accidents per Million Vehicle Miles

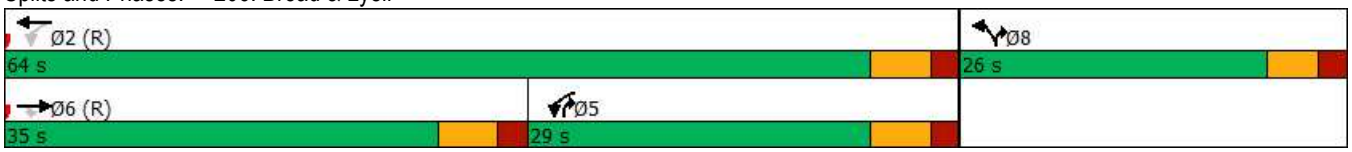
4/12/2018

Lane Group	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Volume (vph)	440	287	288	333	58	198
Future Volume (vph)	440	287	288	333	58	198
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Lane Width (ft)	11	11	10	15	11	11
Storage Length (ft)		0	125		0	125
Storage Lanes		1	1		1	1
Taper Length (ft)			25		25	
Right Turn on Red		Yes				Yes
Link Speed (mph)	30			30	30	
Link Distance (ft)	87			466	2098	
Travel Time (s)	2.0			10.6	47.7	
Peak Hour Factor	0.90	0.90	0.90	0.90	0.90	0.90
Shared Lane Traffic (%)						
Turn Type	NA	Perm	pm+pt	NA	Prot	pt+ov
Protected Phases	6		5	2	8	8 5
Permitted Phases		6	2			
Detector Phase	6	6	5	2	8	8 5
Switch Phase						
Minimum Initial (s)	7.0	7.0	6.0	7.0	6.0	
Minimum Split (s)	29.0	29.0	12.0	29.0	26.0	
Total Split (s)	35.0	35.0	29.0	64.0	26.0	
Total Split (%)	38.9%	38.9%	32.2%	71.1%	28.9%	
Yellow Time (s)	4.0	4.0	4.0	4.0	3.5	
All-Red Time (s)	2.0	2.0	2.0	2.0	2.0	
Lost Time Adjust (s)	-3.0	-3.0	-3.0	-3.0	-2.5	
Total Lost Time (s)	3.0	3.0	3.0	3.0	3.0	
Lead/Lag	Lead	Lead	Lag			
Lead-Lag Optimize?						
Recall Mode	C-Max	C-Max	None	C-Max	None	

Intersection Summary

Area Type: Other
Cycle Length: 90
Actuated Cycle Length: 90
Offset: 0 (0%), Referenced to phase 2:WBTL and 6:EBT, Start of Green
Natural Cycle: 70
Control Type: Actuated-Coordinated

Splits and Phases: 206: Broad & Lyell



Lane Group	EBT	EBR	WBL	WBT	NBL	NBR
Lane Group Flow (vph)	489	319	320	370	64	220
v/c Ratio	0.55	0.35	0.41	0.12	0.31	0.28
Control Delay	20.5	4.0	6.3	1.5	39.7	4.5
Queue Delay	1.4	0.4	0.0	0.0	0.0	0.0
Total Delay	22.0	4.3	6.3	1.5	39.7	4.5
Queue Length 50th (ft)	202	7	19	10	34	13
Queue Length 95th (ft)	326	47	65	26	70	49
Internal Link Dist (ft)	7			386	2018	
Turn Bay Length (ft)			125			125
Base Capacity (vph)	885	914	787	3167	437	968
Starvation Cap Reductn	219	225	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0
Reduced v/c Ratio	0.73	0.46	0.41	0.12	0.15	0.23

Intersection Summary

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Volume (veh/h)	440	287	288	333	58	198
Future Volume (veh/h)	440	287	288	333	58	198
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)		1.00	1.00		1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No	No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1945	1870	1870
Adj Flow Rate, veh/h	489	319	320	370	64	220
Peak Hour Factor	0.90	0.90	0.90	0.90	0.90	0.90
Percent Heavy Veh, %	2	2	2	2	2	2
Cap, veh/h	665	564	930	3101	168	872
Arrive On Green	0.36	0.36	0.90	1.00	0.09	0.10
Sat Flow, veh/h	1870	1585	1781	3793	1781	1585
Grp Volume(v), veh/h	489	319	320	370	64	220
Grp Sat Flow(s),veh/h/ln	1870	1585	1781	1848	1781	1585
Q Serve(g_s), s	20.5	14.6	0.0	0.0	3.0	0.0
Cycle Q Clear(g_c), s	20.5	14.6	0.0	0.0	3.0	0.0
Prop In Lane		1.00	1.00		1.00	1.00
Lane Grp Cap(c), veh/h	665	564	930	3101	168	872
V/C Ratio(X)	0.74	0.57	0.34	0.12	0.38	0.25
Avail Cap(c_a), veh/h	665	564	930	3101	455	1127
HCM Platoon Ratio	1.00	1.00	2.00	2.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	0.93	0.93	1.00	1.00
Uniform Delay (d), s/veh	25.3	23.4	2.0	0.0	38.3	10.6
Incr Delay (d2), s/veh	7.1	4.1	0.1	0.1	0.5	0.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	10.1	5.9	0.6	0.0	1.3	2.1
Unsig. Movement Delay, s/veh						
LnGrp Delay(d),s/veh	32.4	27.5	2.1	0.1	38.8	10.6
LnGrp LOS	C	C	A	A	D	B
Approach Vol, veh/h	808			690	284	
Approach Delay, s/veh	30.5			1.0	17.0	
Approach LOS	C			A	B	

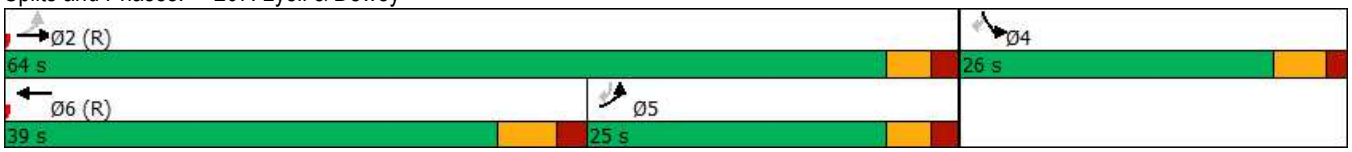
Timer - Assigned Phs		2			5	6	8
Phs Duration (G+Y+Rc), s		78.5			43.5	35.0	11.5
Change Period (Y+Rc), s		6.0			6.0	6.0	5.5
Max Green Setting (Gmax), s		58.0			23.0	29.0	20.5
Max Q Clear Time (g_c+I1), s		2.0			2.0	22.5	5.0
Green Ext Time (p_c), s		1.0			0.5	1.3	0.5

Intersection Summary	
HCM 6th Ctrl Delay	16.9
HCM 6th LOS	B

Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Volume (vph)	194	505	374	65	149	357
Future Volume (vph)	194	505	374	65	149	357
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Lane Width (ft)	10	10	10	10	10	10
Storage Length (ft)	125			125	0	125
Storage Lanes	1			0	1	1
Taper Length (ft)	25				25	
Right Turn on Red				Yes		Yes
Link Speed (mph)		30	30		30	
Link Distance (ft)		466	202		2222	
Travel Time (s)		10.6	4.6		50.5	
Peak Hour Factor	0.90	0.90	0.90	0.90	0.90	0.90
Shared Lane Traffic (%)						
Turn Type	pm+pt	NA	NA		Prot	Perm
Protected Phases	5	2	6		4	
Permitted Phases	2					4 5
Detector Phase	5	2	6		4	4 5
Switch Phase						
Minimum Initial (s)	6.0	6.0	11.0		6.0	
Minimum Split (s)	11.0	11.0	29.0		26.0	
Total Split (s)	25.0	64.0	39.0		26.0	
Total Split (%)	27.8%	71.1%	43.3%		28.9%	
Yellow Time (s)	3.0	3.0	4.0		3.5	
All-Red Time (s)	2.0	2.0	2.0		1.5	
Lost Time Adjust (s)	-2.0	-3.0	-3.0		-2.0	
Total Lost Time (s)	3.0	2.0	3.0		3.0	
Lead/Lag	Lag		Lead			
Lead-Lag Optimize?						
Recall Mode	None	C-Max	C-Max		None	

Intersection Summary	
Area Type:	Other
Cycle Length: 90	
Actuated Cycle Length: 90	
Offset: 0 (0%), Referenced to phase 2:EBTL and 6:WBT, Start of Green	
Natural Cycle: 70	
Control Type: Actuated-Coordinated	

Splits and Phases: 207: Lyell & Dewey



Lane Group	EBL	EBT	WBT	SBL	SBR
Lane Group Flow (vph)	216	561	488	166	397
v/c Ratio	0.28	0.42	0.31	0.58	0.48
Control Delay	2.2	2.1	18.4	44.1	10.4
Queue Delay	0.0	0.3	0.0	0.0	0.0
Total Delay	2.2	2.4	18.4	44.1	10.4
Queue Length 50th (ft)	9	24	104	98	84
Queue Length 95th (ft)	20	45	162	161	109
Internal Link Dist (ft)		386	122	2142	
Turn Bay Length (ft)	125				125
Base Capacity (vph)	785	1341	1572	422	919
Starvation Cap Reductn	0	315	0	0	0
Spillback Cap Reductn	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0
Reduced v/c Ratio	0.28	0.55	0.31	0.39	0.43

Intersection Summary

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Volume (veh/h)	194	505	374	65	149	357
Future Volume (veh/h)	194	505	374	65	149	357
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00			1.00	1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No	No		No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	216	561	416	72	166	397
Peak Hour Factor	0.90	0.90	0.90	0.90	0.90	0.90
Percent Heavy Veh, %	2	2	2	2	2	2
Cap, veh/h	741	1288	1213	208	455	405
Arrive On Green	0.49	1.00	0.40	0.40	0.26	0.26
Sat Flow, veh/h	1781	1870	3126	521	1781	1585
Grp Volume(v), veh/h	216	561	242	246	166	397
Grp Sat Flow(s),veh/h/ln	1781	1870	1777	1777	1781	1585
Q Serve(g_s), s	0.0	0.0	8.5	8.7	6.9	22.4
Cycle Q Clear(g_c), s	0.0	0.0	8.5	8.7	6.9	22.4
Prop In Lane	1.00			0.29	1.00	1.00
Lane Grp Cap(c), veh/h	741	1288	711	711	455	405
V/C Ratio(X)	0.29	0.44	0.34	0.35	0.36	0.98
Avail Cap(c_a), veh/h	741	1288	711	711	455	405
HCM Platoon Ratio	2.00	2.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	0.88	0.88	1.00	1.00	0.84	0.84
Uniform Delay (d), s/veh	9.3	0.0	18.8	18.8	27.5	33.3
Incr Delay (d2), s/veh	0.1	0.9	1.3	1.3	0.2	35.6
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.7	0.3	3.7	3.7	2.9	21.3
Unsig. Movement Delay, s/veh						
LnGrp Delay(d),s/veh	9.4	0.9	20.1	20.1	27.7	68.9
LnGrp LOS	A	A	C	C	C	E
Approach Vol, veh/h		777	488		563	
Approach Delay, s/veh		3.3	20.1		56.7	
Approach LOS		A	C		E	

Timer - Assigned Phs		2		4	5	6
Phs Duration (G+Y+Rc), s		64.0		26.0	25.0	39.0
Change Period (Y+Rc), s		5.0		5.0	5.0	6.0
Max Green Setting (Gmax), s		59.0		21.0	20.0	33.0
Max Q Clear Time (g_c+I1), s		2.0		24.4	2.0	10.7
Green Ext Time (p_c), s		1.4		0.0	0.5	1.1

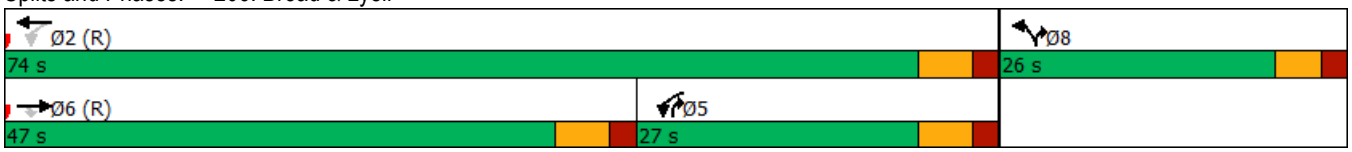
Intersection Summary	
HCM 6th Ctrl Delay	24.2
HCM 6th LOS	C

Lane Group	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Volume (vph)	526	215	281	588	157	350
Future Volume (vph)	526	215	281	588	157	350
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Lane Width (ft)	11	11	10	15	11	11
Storage Length (ft)		0	125		0	125
Storage Lanes		1	1		1	1
Taper Length (ft)			25		25	
Right Turn on Red		Yes				Yes
Link Speed (mph)	30			30	30	
Link Distance (ft)	88			466	2098	
Travel Time (s)	2.0			10.6	47.7	
Peak Hour Factor	0.90	0.90	0.90	0.90	0.90	0.90
Shared Lane Traffic (%)						
Turn Type	NA	Perm	pm+pt	NA	Prot	pt+ov
Protected Phases	6		5	2	8	8 5
Permitted Phases		6	2			
Detector Phase	6	6	5	2	8	8 5
Switch Phase						
Minimum Initial (s)	7.0	7.0	6.0	7.0	6.0	
Minimum Split (s)	29.0	29.0	12.0	29.0	26.0	
Total Split (s)	47.0	47.0	27.0	74.0	26.0	
Total Split (%)	47.0%	47.0%	27.0%	74.0%	26.0%	
Yellow Time (s)	4.0	4.0	4.0	4.0	3.5	
All-Red Time (s)	2.0	2.0	2.0	2.0	2.0	
Lost Time Adjust (s)	-3.0	-3.0	-3.0	-3.0	-2.5	
Total Lost Time (s)	3.0	3.0	3.0	3.0	3.0	
Lead/Lag	Lead	Lead	Lag			
Lead-Lag Optimize?						
Recall Mode	C-Max	C-Max	None	C-Max	None	

Intersection Summary

Area Type: Other
Cycle Length: 100
Actuated Cycle Length: 100
Offset: 92 (92%), Referenced to phase 2:WBTL and 6:EBT, Start of Green
Natural Cycle: 70
Control Type: Actuated-Coordinated

Splits and Phases: 206: Broad & Lyell



Lane Group	EBT	EBR	WBL	WBT	NBL	NBR
Lane Group Flow (vph)	584	239	312	653	174	389
v/c Ratio	0.65	0.27	0.49	0.22	0.59	0.49
Control Delay	24.2	3.4	13.6	1.5	46.0	11.0
Queue Delay	1.4	0.4	0.0	0.0	0.0	0.0
Total Delay	25.7	3.7	13.6	1.5	46.0	11.0
Queue Length 50th (ft)	323	16	58	8	103	80
Queue Length 95th (ft)	466	16	143	35	161	142
Internal Link Dist (ft)	8			386	2018	
Turn Bay Length (ft)			125			125
Base Capacity (vph)	897	882	641	2991	393	868
Starvation Cap Reductn	152	282	0	0	0	0
Spillback Cap Reductn	0	0	0	111	2	0
Storage Cap Reductn	0	0	0	0	0	0
Reduced v/c Ratio	0.78	0.40	0.49	0.23	0.45	0.45

Intersection Summary

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Volume (veh/h)	526	215	281	588	157	350
Future Volume (veh/h)	526	215	281	588	157	350
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)		1.00	1.00		1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No	No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1945	1870	1870
Adj Flow Rate, veh/h	584	239	312	653	174	389
Peak Hour Factor	0.90	0.90	0.90	0.90	0.90	0.90
Percent Heavy Veh, %	2	2	2	2	2	2
Cap, veh/h	823	697	739	2933	261	753
Arrive On Green	0.44	0.44	0.65	1.00	0.15	0.15
Sat Flow, veh/h	1870	1585	1781	3793	1781	1585
Grp Volume(v), veh/h	584	239	312	653	174	389
Grp Sat Flow(s),veh/h/ln	1870	1585	1781	1848	1781	1585
Q Serve(g_s), s	25.4	9.9	0.0	0.0	9.2	0.0
Cycle Q Clear(g_c), s	25.4	9.9	0.0	0.0	9.2	0.0
Prop In Lane		1.00	1.00		1.00	1.00
Lane Grp Cap(c), veh/h	823	697	739	2933	261	753
V/C Ratio(X)	0.71	0.34	0.42	0.22	0.67	0.52
Avail Cap(c_a), veh/h	823	697	739	2933	410	885
HCM Platoon Ratio	1.00	1.00	2.00	2.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	0.82	0.82	0.98	0.98
Uniform Delay (d), s/veh	22.8	18.5	10.0	0.0	40.4	18.3
Incr Delay (d2), s/veh	5.1	1.3	0.1	0.1	1.1	0.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	11.9	3.8	2.6	0.1	4.1	6.1
Unsig. Movement Delay, s/veh						
LnGrp Delay(d),s/veh	27.9	19.8	10.1	0.1	41.5	18.5
LnGrp LOS	C	B	B	A	D	B
Approach Vol, veh/h	823			965	563	
Approach Delay, s/veh	25.6			3.4	25.6	
Approach LOS	C			A	C	

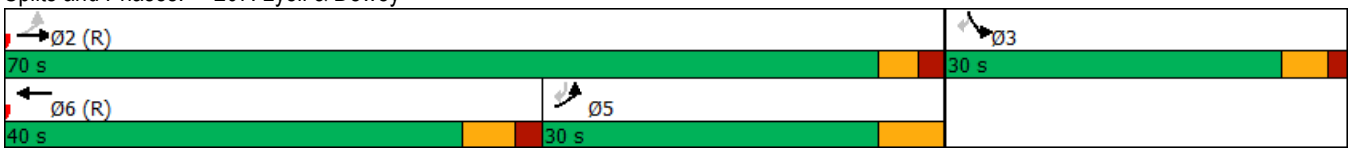
Timer - Assigned Phs		2			5	6	8
Phs Duration (G+Y+Rc), s		82.4			35.4	47.0	17.6
Change Period (Y+Rc), s		6.0			6.0	6.0	5.5
Max Green Setting (Gmax), s		68.0			21.0	41.0	20.5
Max Q Clear Time (g_c+I1), s		2.0			2.0	27.4	11.2
Green Ext Time (p_c), s		1.9			0.5	1.9	0.9

Intersection Summary	
HCM 6th Ctrl Delay	16.5
HCM 6th LOS	B

Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Volume (vph)	351	573	672	98	66	329
Future Volume (vph)	351	573	672	98	66	329
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Lane Width (ft)	10	10	10	10	10	10
Storage Length (ft)	125			125	0	125
Storage Lanes	1			0	1	1
Taper Length (ft)	25				25	
Right Turn on Red				Yes		Yes
Link Speed (mph)		30	30		30	
Link Distance (ft)		466	202		2222	
Travel Time (s)		10.6	4.6		50.5	
Peak Hour Factor	0.90	0.90	0.90	0.90	0.90	0.90
Shared Lane Traffic (%)						
Turn Type	pm+pt	NA	NA		Prot	Perm
Protected Phases	5	2	6		3	
Permitted Phases	2					3 5
Detector Phase	5	2	6		3	3 5
Switch Phase						
Minimum Initial (s)	3.0	6.0	11.0		6.0	
Minimum Split (s)	8.0	11.0	29.0		26.0	
Total Split (s)	30.0	70.0	40.0		30.0	
Total Split (%)	30.0%	70.0%	40.0%		30.0%	
Yellow Time (s)	5.0	3.0	4.0		3.5	
All-Red Time (s)	0.0	2.0	2.0		1.5	
Lost Time Adjust (s)	0.0	0.0	0.0		0.0	
Total Lost Time (s)	5.0	5.0	6.0		5.0	
Lead/Lag	Lag		Lead			
Lead-Lag Optimize?						
Recall Mode	None	C-Max	C-Max		None	

Intersection Summary	
Area Type:	Other
Cycle Length: 100	
Actuated Cycle Length: 100	
Offset: 92 (92%), Referenced to phase 2:EBTL and 6:WBT, Start of Green	
Natural Cycle: 70	
Control Type: Actuated-Coordinated	

Splits and Phases: 207: Lyell & Dewey



Lane Group	EBL	EBT	WBT	SBL	SBR
Lane Group Flow (vph)	390	637	856	73	366
v/c Ratio	0.58	0.45	0.53	0.48	0.60
Control Delay	11.0	2.8	22.4	57.3	27.9
Queue Delay	14.1	0.3	0.0	0.0	0.0
Total Delay	25.1	3.1	22.4	57.3	27.9
Queue Length 50th (ft)	56	42	241	47	182
Queue Length 95th (ft)	115	99	307	92	283
Internal Link Dist (ft)		386	122	2142	
Turn Bay Length (ft)	125				125
Base Capacity (vph)	671	1405	1622	413	838
Starvation Cap Reductn	261	289	0	0	0
Spillback Cap Reductn	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0
Reduced v/c Ratio	0.95	0.57	0.53	0.18	0.44

Intersection Summary

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Volume (veh/h)	351	573	672	98	66	329
Future Volume (veh/h)	351	573	672	98	66	329
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00			1.00	1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No	No		No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	390	637	747	109	73	366
Peak Hour Factor	0.90	0.90	0.90	0.90	0.90	0.90
Percent Heavy Veh, %	2	2	2	2	2	2
Cap, veh/h	595	1222	1058	154	439	391
Arrive On Green	0.51	1.00	0.34	0.34	0.25	0.25
Sat Flow, veh/h	1781	1870	3205	454	1781	1585
Grp Volume(v), veh/h	390	637	426	430	73	366
Grp Sat Flow(s),veh/h/ln	1781	1870	1777	1789	1781	1585
Q Serve(g_s), s	4.9	0.0	20.8	20.9	3.2	22.6
Cycle Q Clear(g_c), s	4.9	0.0	20.8	20.9	3.2	22.6
Prop In Lane	1.00			0.25	1.00	1.00
Lane Grp Cap(c), veh/h	595	1222	604	608	439	391
V/C Ratio(X)	0.66	0.52	0.71	0.71	0.17	0.94
Avail Cap(c_a), veh/h	595	1222	604	608	445	396
HCM Platoon Ratio	2.00	2.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	0.78	0.78	1.00	1.00	0.92	0.92
Uniform Delay (d), s/veh	17.7	0.0	28.7	28.7	29.6	36.9
Incr Delay (d2), s/veh	2.0	1.2	6.8	6.8	0.1	27.3
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	5.0	0.4	9.8	9.9	1.4	11.6
Unsig. Movement Delay, s/veh						
LnGrp Delay(d),s/veh	19.7	1.2	35.5	35.4	29.6	64.2
LnGrp LOS	B	A	D	D	C	E
Approach Vol, veh/h		1027	856		439	
Approach Delay, s/veh		8.3	35.4		58.5	
Approach LOS		A	D		E	

Timer - Assigned Phs		2			5	6	8
Phs Duration (G+Y+Rc), s		70.3			30.3	40.0	29.7
Change Period (Y+Rc), s		5.0			5.0	6.0	5.0
Max Green Setting (Gmax), s		65.0			25.0	34.0	25.0
Max Q Clear Time (g_c+I1), s		2.0			6.9	22.9	24.6
Green Ext Time (p_c), s		1.6			1.6	1.8	0.1

Intersection Summary	
HCM 6th Ctrl Delay	27.8
HCM 6th LOS	C

APPENDIX 'E'

Safety Assessment Checklist

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Exhibit 7-1 Resurfacing ADA and Safety Assessment Form (Page 1 of 2)

PIN: 4CR004	Date: 4/23/2018	PIL, PII or HAL?	ADT: 17,724 (2013)	Posted Speed:
Safety Assessment Team	Design: Traffic: Maintenance :	Lyell Avenue Mt. Read Blvd to Lake Ave		City Speed Limit 30 mph

✓	Element	Guidance	Comments
Elements for All Single and Multicourse Resurfacing Projects (1R, 2R, and 3R):			
✓	Signing	• Regulatory and warning signs should be installed as needed, in accordance with the National MUTCD and NYS Supplement. Review signs for condition (obvious fading or graffiti), location, post type (breakaway or rigid), appropriateness (need). • Immediately notify the Resident Engineer of any missing regulatory or warning signs. • Identify regulatory and warning signs obscured by vegetation for clearing and grubbing.	To be determiend during final design.
✓	Pavement Markings	Pavement markings should be installed in accordance with the MUTCD. The adequacy of existing passing zones should be evaluated. Current EIs and specifications must be followed. See EI 13-021 to restripe 9' & 10' lane widths on high-speed highways to 11' where a 4' minimum shoulder can be retained for non-motorized traffic, or to restripe 12' and greater lane widths on low-speed highways with shoulders less than 4' to widen the shoulder for non-motorized traffic.	Markings will be replaced in compliance with the City's Complete Street Policy and NACTO Urban Street Design Guide.
	Delineation	Install per the National MUTCD and NYS Supplement.	NA
✓	ADA	**1R projects**: curb ramps and crosswalks that were built or altered before March 15, 2012 must be in conformance with the appropriate acceptable values in the Critical Elements for the Design, Layout and Acceptance of Pedestrian Facilities table and HDM Section 7.3.2.1. Sidewalks and pedestrian signal upgrades are not required unless they are altered as part of the project. **2R / 3R projects**: all pedestrian facilities must be in conformance with the acceptable values in the Critical Elements for the Design, Layout and Acceptance of Pedestrian Facilities table , New or replacement pedestrian signals must be accessible. Exceptions on 1R/2R/3R projects must be justified per HDM Ch 2, Section 2.8.	Sidewalk curb ramps and crosswalks will be upgraded to comply with current ADA standards. Hazardous sidewalks will be replaced.
	Rumble Strips	Include CARDs as required by EI 13-021, and SHARDs in accordance with EI 16- 014.	NA
✓	Sight Distance	Consult HDM Chapters 2 and 5 to identify the standard sight distances for the posted speed. Clear and grub vegetation to improve the following sight distances that are observed to be substantially less than the standard (precise measurements and calculations are not required): • Intersection sight distance for right on red at signalized intersections and for left, through and right turns at unsignalized intersections and major driveways. • Sag vertical curve SSD obscured by overhead trees. • Horizontal SSD. Consider intersection warning signs for segments with sight distances that are observed to be substantially less than the standard and will not be improved.	Site distances are acceptable.
✓	Fixed Objects	**1R projects**: Address obvious objects that are within the prevailing clear area and within the ROW based on engineering judgment from a field visit (e.g., tree removal on the outside of a curve or installation of traversable driveway culvert end sections within the prevailing clear zone). **2R/3R projects**: Reestablish the clear zone and remove, relocate, modify to make crash worthy, shield by guide rail/crash cushion, or delineate any fixed objects. For guidance on identifying fixed objects, refer to HDM §10.3.1.2 B.	No fixed objects need to be removed.
	Guide Rail	Review the guide rail for: • Nonfunctioning or severely deteriorated rail (HDM §10.3.1.2 B) • Guide rail height (HDM Table 10-7 and current EIs) considering the proposed overlay thickness. • Deflection distance (HDM §10.2.2.3 and Table 10-3). • Point of need if the end section will be replaced (HDM §10.2.2.1). • Barrier Terminals/End Sections (HDM §10.2.5). • Install median barrier per HDM §10.2.4. (72' criteria for interstates)	NA
	Bridge Rail Transitions	The Regional Structures Group, Regional Design Group, Main Office Structures, and Design Quality Assurance Bureau should be contacted, as needed, to help identify substandard connections to bridge rail and for the recommended treatment.	NA

Exhibit 7-1 Resurfacing ADA and Safety Assessment Form (Page 2 of 2)

✓	Element	Guidance	Comments
	Rail Road Crossing	Contact Regional Rail Coordinator. Contact Office of Design if replacing crossing surface as required per HDM Ch 23.	NA
	Shoulder Resurfacing	Unpaved, stabilized shoulders should be paved a minimum of 2' beyond the travelled way in uncurbed sections to reinforce the traveled way, for occasional bicyclists, and to improve safety. Design criteria for 2R/3R may require a wider width. A 1:10 pavement slope may be used to transition between the travel way paving and a paved shoulder that will not be resurfaced. Requires milling a longitudinal rebate and cannot exceed max rollover rate of 10% for ≤ 4' shoulders and 8% for wider shoulders.	NA
	Edge Drop-Offs	Edge drop-offs are not permitted between the traveled way and shoulder. Shoulder edge drop offs >2" are to be addressed via the safety edge (EI 10-012) in the §402 items or shoulder backup material. See above for overlays that do not pave the shoulder.	NA
	Super-elevation	Identify where the advisory speed, ball bank indicator, accelerometer, or record plans reveal superelevation that is less than recommended for the posted speed (using AASHTO Method 2 noted in HDM §5.7.3). Improve superelevation (up to the maximum rate as necessary using AASHTO Superelevation Distribution Method 2) to have the recommended speed equal to the posted speed. Where the maximum rate is insufficient, install advisory speed signs as needed and consider additional treatments (e.g., chevrons, roadside clearing), as needed.	NA
	Utilities	Manholes, valves, frames and grates are to be adjusted in accordance with Sections 655 and 663 of the Standard Specifications. Poles, guy wires, sign posts, trees, and other obstructions should be 18" or more from the face of curb. In uncurbed areas, they should be 48" or more from the edge line. Vertical drops at grates or frames should be addressed if they exceed 1" and horizontal gaps parallel to the direction of traffic should be addressed if they exceed 5/8"	Adjustment and/or replacement of receiving basins frame and grates and manhole frame and covers will be done.
Additional Elements for 2R and 3R Projects:			
	Super-elevation	For Freeway projects, the superelevation is to be improved to meet the values in HDM Ch 2, Exhibits 2-13a or 2-14a (which utilizes AASHTO Superelevation Distribution Method 5).	NA
	Speed Change Lanes	Speed change lanes should meet AASHTO "Green Book" Ch 10 standards. Shoulders for speed change lanes should meet HDM §2.7.5.2 and §2.7.5.3	NA
	Clear Zone(s)	Establish based on HDM §10.3.2.2 A for non-freeway and HDM §10.2.1 for freeways. Check all points of need (HDM §10.2.2.1).	NA
	Traffic Signals	Signal heads should be upgraded to meet current requirements. Detection systems should be evaluated for actuated signals and considered for fixed-time signals. New traffic signals that meet the signal warrants may be included.	NA
	Shoulder Widening	Shoulders should be widened to 2' min on local rural roads and low speed collectors. 4' min is used for other nonfreeway rural facilities for crash avoidance, bicyclists, and pedestrians.	NA
	Lane Widening	Non-freeway lanes may be widened per HDM Exhibits 7-5 and 7-9. New through travel lanes are not permitted.	NA
	Design Vehicle	Intersections should accommodate the design vehicle without encroachment into other travel lanes or turning lanes.	NA
	Driveways	Driveways shall meet the spirit and intent of the most recent "Policy and Standards for the Design of Entrances to State Highways" in HDM Chapter 5, Appendix 5A .	NA
	Turn Lanes	Turn lanes should meet the requirements of HDM §5.9.8.2	NA
	Curbing	Curbing must meet the requirements of HDM §10.2.2.4. For freeways, curbing that cannot be eliminated should be replaced with the 1:3 slope, 4" high traversable curb.	NA
	Drainage	Closed drainage work may include new closed drainage structures, culverts, and the cleaning and repair of existing systems. Subsurface utility exploration should be considered for closed drainage system modifications.	NA
	Pedestrian & Bicycle	Pedestrian facilities must meet the requirements of HDM Chapter 18, and the values shown in the Critical Elements for the Design, Layout and Acceptance of Pedestrian Facilities table. Consider installing crosswalks and pedestrian push buttons at signals. Install pedestrian countdown timers as needed. Minimum shoulder width of 4' if no curbing.	NA

APPENDIX 'F'

Curb Ramp Inventory Form and Photos

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NON-COMPLIANT ADA RAMP LOCATIONS		
STREET NAME	**RAMP QUADRANT**	**NON-COMPLIANT JUSTIFICATION (see Notes)**
CAMPBELL PARK	SE	EXISTING RIGHT OF WAY AND BUILDING
SUNSET STREET	NW	EXISTING RIGHT OF WAY
GLIDE STREET	SW	EXISTING RIGHT OF WAY
	SE	EXISTING RIGHT OF WAY AND BUILDING
McNAUGHTON STREET	NE	EXISTING RIGHT OF WAY AND BUILDING
HAGUE STREET	SW	EXISTING RIGHT OF WAY AND BUILDING
MART PLACE	SE	EXISTING RIGHT OF WAY
MURRAY STREET	NW	EXISTING RIGHT OF WAY AND BUILDING
	NE	EXISTING RIGHT OF WAY AND BUILDING
MYRTLE STREET	NW	EXISTING RIGHT OF WAY AND BUILDING
CHILD STREET	SE	EXISTING RIGHT OF WAY AND BUILDING
ANGLE STREET	NW	EXISTING RIGHT OF WAY
	NE	EXISTING RIGHT OF WAY
DEWEY AVENUE	NE	EXISTING RIGHT OF WAY
MOORE STREET	SE	EXISTING RIGHT OF WAY
PARKWAY	NW	EXISTING RIGHT OF WAY
	NE	EXISTING RIGHT OF WAY AND BUILDING
OAK STREET	SW	EXISTING RIGHT OF WAY
	SE	EXISTING RIGHT OF WAY
DAUS ALLEY	NE	EXISTING RIGHT OF WAY AND BUILDING
SARATOGA AVENUE	SW	EXISTING RIGHT OF WAY AND BUILDING
	SE	EXISTING RIGHT OF WAY
SPENCER STREET	NE	EXISTING RIGHT OF WAY AND BUILDING
CARROLL ALLEY	NE	EXISTING RIGHT OF WAY AND BUILDING
VERONA STREET	SE	EXISTING RIGHT OF WAY
PLYMOUTH AVENUE	NW	EXISTING CONCRETE RETAINING WALL
FRANKFORT STREET	SW	EXISTING RIGHT OF WAY AND BUILDING
	SE	EXISTING RIGHT OF WAY

Notes:

1. The required design slopes at the ramps identified above cannot be fully met due to restrictions as noted.
2. Improvements to these ramps will be made to the maximum extent practicable, including slopes, concrete repair and installation of detectable warning units
3. The final determination for justification of nonstandard features will be made during the construction phase.

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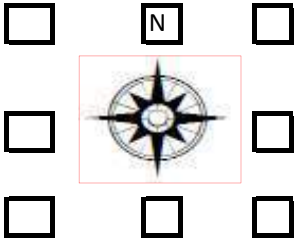
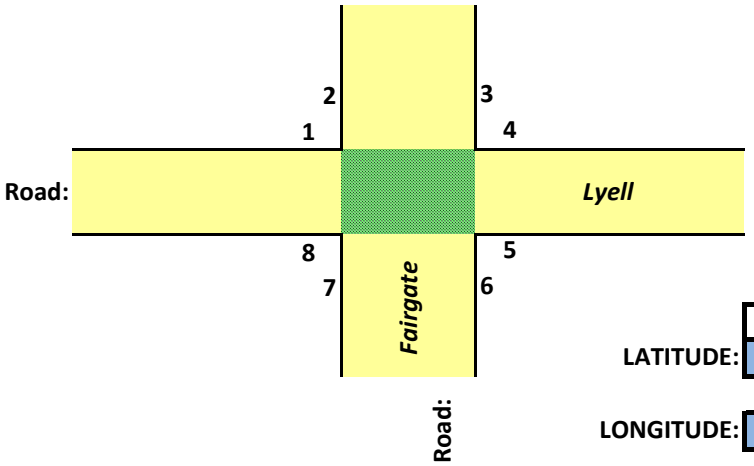
NYSDOT - Region 4
Curb Ramp Inventory Form



Indicate North Direction



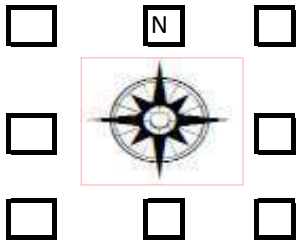
PIN:	
DATE:	12/21/2017
PREPARED BY:	JB

Identify curb ramp number and complete that column. For diagonal ramps merge the two fields, then complete the column.

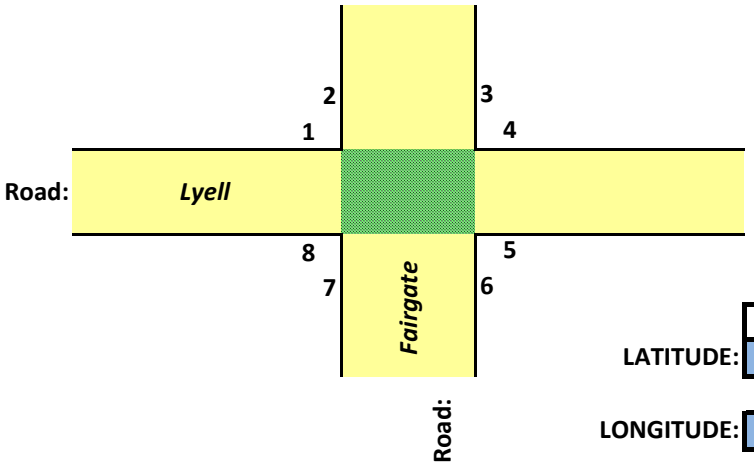
	Degrees		Minutes		Seconds		
LATITUDE:	4	3	0	9	5	2	NORTH
LONGITUDE:	7	7	3	9	2	9	WEST

		Curb Ramp Number																
		Ramp Field Measured Values																
Feature	**Criteria**	**1**		**2**		**3**		**4**		**5**		**6**		**7**		**8**		**Notes**
Ramp	Standard Sheet Type																	
	Running Slope (%)											7.7						
	Cross Slope (%)											1.7						
	Length (ft)											6						
	Width (ft)											3.5						
	Side Flare Slope (%)	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	
												12.4	11.5					
Turning Space (top of ramp)	Length (ft)											5						
	Width (ft)											5.25						
	Cross Slope (%)											2.6						
Detectable Warning	Dome Orientation											n/a						
	Color											n/a						
	Length (ft)											n/a						
	Width (ft)											n/a						
	Condition											n/a						none
Transition to Roadway	Vertical Difference (in)											0						
Clear Space (bottom of ramp)	Length (ft)											3.42						
	Width (ft)											3.5						
	Cross Slope (%)											0.5						
	Counter Slope (%)											0						

NYSDOT - Region 4
Curb Ramp Inventory Form



Indicate North Direction



PIN:	
DATE:	12/21/2017
PREPARED BY:	JB

Identify curb ramp number and complete that column. For diagonal ramps merge the two fields, then complete the column.

	Degrees		Minutes		Seconds		
LATITUDE:	4	3	0	9	5	2	NORTH
LONGITUDE:	7	7	3	9	3	0	WEST

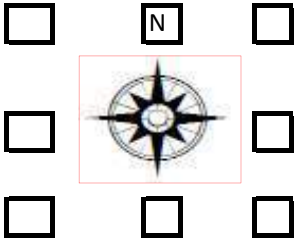
		Curb Ramp Number																
		Ramp Field Measured Values																
Feature	**Criteria**	**1**		**2**		**3**		**4**		**5**		**6**		**7**		**8**		**Notes**
Ramp	Standard Sheet Type																	
	Running Slope (%)													8.8				
	Cross Slope (%)													7.9				
	Length (ft)													8				
	Width (ft)													3				
	Side Flare Slope (%)	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	
														12.9	21.2			
Turning Space (top of ramp)	Length (ft)													5.42				
	Width (ft)													4.92				
	Cross Slope (%)													4.7				
Detectable Warning	Dome Orientation													n/a				
	Color													n/a				
	Length (ft)													n/a				
	Width (ft)													n/a				
	Condition													n/a				none
Transition to Roadway	Vertical Difference (in)													-0.5				
Clear Space (bottom of ramp)	Length (ft)													4				
	Width (ft)													3				
	Cross Slope (%)													1.7				
	Counter Slope (%)													3.7				

Lyell Ave & Fairgate St

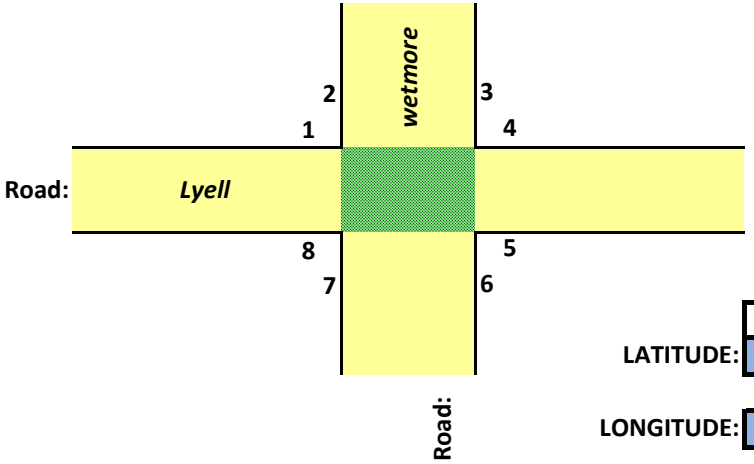
SE Corner – CW 6

SW Corner – CW 7

NYSDOT - Region 4
Curb Ramp Inventory Form



Indicate North Direction



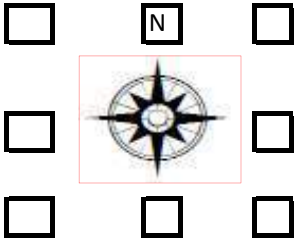
PIN:	
DATE:	12/21/2017
PREPARED BY:	JB

Identify curb ramp number and complete that column. For diagonal ramps merge the two fields, then complete the column.

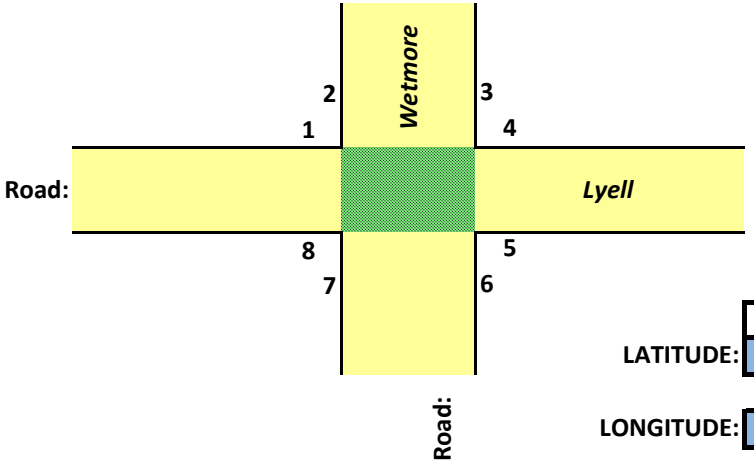
	Degrees		Minutes		Seconds		
LATITUDE:	4	3	0	9	5	3	NORTH
LONGITUDE:	7	7	3	9	2	5	WEST

		Curb Ramp Number																
		Ramp Field Measured Values																
Feature	**Criteria**	**1**		**2**		**3**		**4**		**5**		**6**		**7**		**8**		**Notes**
Ramp	Standard Sheet Type																	
	Running Slope (%)			11.4														
	Cross Slope (%)			4														
	Length (ft)			11.75														
	Width (ft)			6.75														
	Side Flare Slope (%)	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	
				10.8	n/a													
Turning Space (top of ramp)	Length (ft)			5														
	Width (ft)			4.33														
	Cross Slope (%)			0.7														
Detectable Warning	Dome Orientation			n/a														none
	Color			n/a														
	Length (ft)			n/a														
	Width (ft)			n/a														
	Condition			n/a														
Transition to Roadway	Vertical Difference (in)			-1														
Clear Space (bottom of ramp)	Length (ft)			10.5														
	Width (ft)			6.75														
	Cross Slope (%)			3														
	Counter Slope (%)			0.1														

NYSDOT - Region 4
Curb Ramp Inventory Form



Indicate North Direction



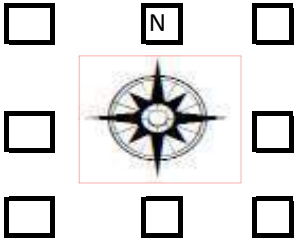
PIN:	
DATE:	12/21/2017
PREPARED BY:	JB

Identify curb ramp number and complete that column. For diagonal ramps merge the two fields, then complete the column.

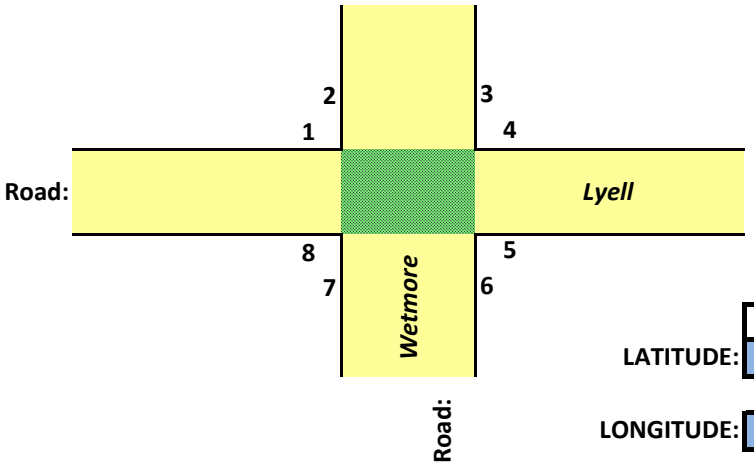
	Degrees		Minutes		Seconds		
LATITUDE:	4	3	0	9	5	3	NORTH
LONGITUDE:	7	7	3	9	2	5	WEST

		Curb Ramp Number																
		Ramp Field Measured Values																
Feature	**Criteria**	**1**		**2**		**3**		**4**		**5**		**6**		**7**		**8**		**Notes**
Ramp	Standard Sheet Type																	
	Running Slope (%)					8.9												
	Cross Slope (%)					8.3												
	Length (ft)					12.5												
	Width (ft)					4.5												
	Side Flare Slope (%)	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	
						7.8	7.9											
Turning Space (top of ramp)	Length (ft)					5												
	Width (ft)					5												
	Cross Slope (%)					1.6												
Detectable Warning	Dome Orientation					n/a												
	Color					n/a												
	Length (ft)					n/a												
	Width (ft)					n/a												
	Condition					n/a												none
Transition to Roadway	Vertical Difference (in)					0												
Clear Space (bottom of ramp)	Length (ft)					5												
	Width (ft)					4.5												
	Cross Slope (%)					3												
	Counter Slope (%)					3.3												

NYSDOT - Region 4
Curb Ramp Inventory Form



Indicate North Direction



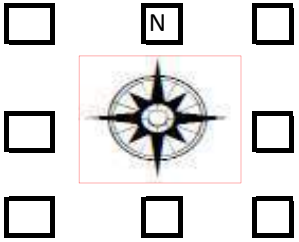
PIN:	
DATE:	12/21/2017
PREPARED BY:	JB

Identify curb ramp number and complete that column. For diagonal ramps merge the two fields, then complete the column.

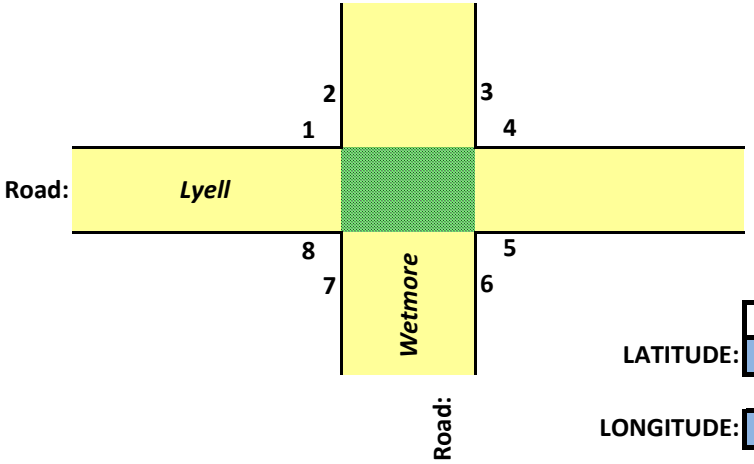
	Degrees		Minutes		Seconds		
LATITUDE:	4	3	0	9	5	2	NORTH
LONGITUDE:	7	7	3	9	2	5	WEST

		Curb Ramp Number																
		Ramp Field Measured Values																
Feature	**Criteria**	**1**		**2**		**3**		**4**		**5**		**6**		**7**		**8**		**Notes**
Ramp	Standard Sheet Type																	
	Running Slope (%)											7.1						
	Cross Slope (%)											7.4						
	Length (ft)											9.42						
	Width (ft)											5.42						
	Side Flare Slope (%)	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	
												6.7	16.8					
Turning Space (top of ramp)	Length (ft)											5						
	Width (ft)											5						
	Cross Slope (%)											1.9						
Detectable Warning	Dome Orientation											n/a						
	Color											n/a						
	Length (ft)											n/a						
	Width (ft)											n/a						
	Condition											n/a						none
Transition to Roadway	Vertical Difference (in)											0						
Clear Space (bottom of ramp)	Length (ft)											5.5						
	Width (ft)											5.42						
	Cross Slope (%)											1.4						
	Counter Slope (%)											1.8						

NYSDOT - Region 4
Curb Ramp Inventory Form



Indicate North Direction



PIN:	
DATE:	12/21/2017
PREPARED BY:	JB

Identify curb ramp number and complete that column. For diagonal ramps merge the two fields, then complete the column.

	Degrees		Minutes		Seconds		
LATITUDE:	4	3	0	9	5	2	NORTH
LONGITUDE:	7	7	3	9	2	5	WEST

		Curb Ramp Number																
		Ramp Field Measured Values																
Feature	**Criteria**	**1**		**2**		**3**		**4**		**5**		**6**		**7**		**8**		**Notes**
Ramp	Standard Sheet Type																	
	Running Slope (%)													8.8				
	Cross Slope (%)													9.2				
	Length (ft)													9.75				
	Width (ft)													4.08				
	Side Flare Slope (%)	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	
														6.3	8.9			
Turning Space (top of ramp)	Length (ft)													5				
	Width (ft)													5				
	Cross Slope (%)													3				
Detectable Warning	Dome Orientation													n/a				
	Color													n/a				
	Length (ft)													n/a				
	Width (ft)													n/a				
	Condition													n/a				none
Transition to Roadway	Vertical Difference (in)													0				
Clear Space (bottom of ramp)	Length (ft)													5				
	Width (ft)													4.08				
	Cross Slope (%)													0.2				
	Counter Slope (%)													0.3				

Lyell Ave & Wetmore Park

NW Corner – CW 2

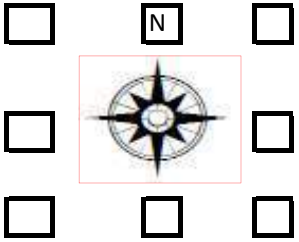
NE Corner – CW 3

Lyell Ave & Wetmore Park

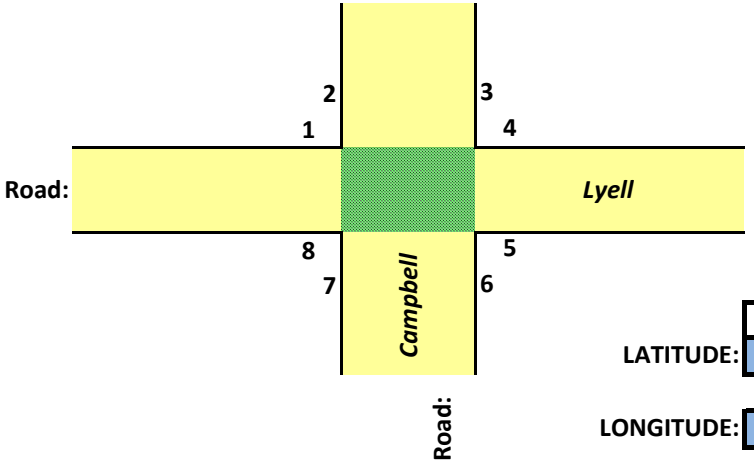
SE Corner – CW 6

SW Corner – CW 7

NYSDOT - Region 4
Curb Ramp Inventory Form



Indicate North Direction



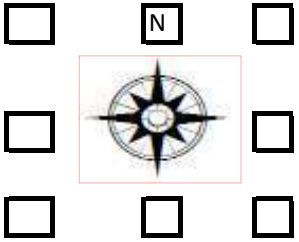
PIN:	
DATE:	12/21/2017
PREPARED BY:	JB

Identify curb ramp number and complete that column. For diagonal ramps merge the two fields, then complete the column.

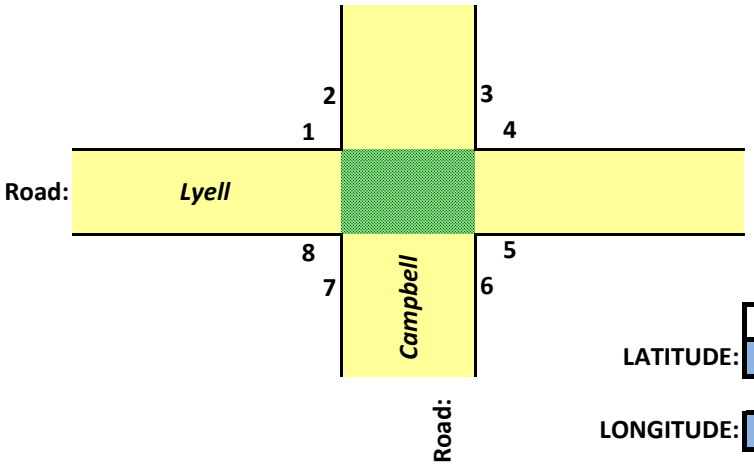
	Degrees		Minutes		Seconds		
LATITUDE:	4	3	0	9	5	2	NORTH
LONGITUDE:	7	7	3	9	2	0	WEST

		Curb Ramp Number																
		Ramp Field Measured Values																
Feature	**Criteria**	**1**		**2**		**3**		**4**		**5**		**6**		**7**		**8**		**Notes**
Ramp	Standard Sheet Type																	
	Running Slope (%)											11.9						
	Cross Slope (%)											0.1						
	Length (ft)											5.5						
	Width (ft)											6.42						
	Side Flare Slope (%)	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	
												11.3	6.5					
Turning Space (top of ramp)	Length (ft)											4.75						
	Width (ft)											4.25						
	Cross Slope (%)											1.3						
Detectable Warning	Dome Orientation											n/a						none
	Color											n/a						
	Length (ft)											n/a						
	Width (ft)											n/a						
	Condition											n/a						
Transition to Roadway	Vertical Difference (in)											0.5						
Clear Space (bottom of ramp)	Length (ft)											0						road
	Width (ft)											0						
	Cross Slope (%)											0.2						
	Counter Slope (%)											4.6						

NYSDOT - Region 4
Curb Ramp Inventory Form



Indicate North Direction



PIN:	
DATE:	12/21/2017
PREPARED BY:	JB

Identify curb ramp number and complete that column. For diagonal ramps merge the two fields, then complete the column.

	Degrees		Minutes		Seconds		
LATITUDE:	4	3	0	9	5	2	NORTH
LONGITUDE:	7	7	3	9	2	0	WEST

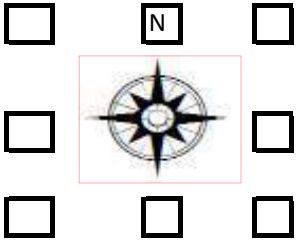
		Curb Ramp Number																
		Ramp Field Measured Values																
Feature	**Criteria**	**1**		**2**		**3**		**4**		**5**		**6**		**7**		**8**		**Notes**
Ramp	Standard Sheet Type																	
	Running Slope (%)													8.2				
	Cross Slope (%)													0.9				
	Length (ft)													9.67				
	Width (ft)													4.33				
	Side Flare Slope (%)	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	
														7.3	7.9			
Turning Space (top of ramp)	Length (ft)													2.5				
	Width (ft)													7.67				
	Cross Slope (%)													0.3				
Detectable Warning	Dome Orientation													n/a				none
	Color													n/a				
	Length (ft)													n/a				
	Width (ft)													n/a				
	Condition													n/a				
Transition to Roadway	Vertical Difference (in)													0				
Clear Space (bottom of ramp)	Length (ft)													5				road
	Width (ft)													5.5				
	Cross Slope (%)													1.9				
	Counter Slope (%)													2.8				

Lyell Ave & Campbell Park

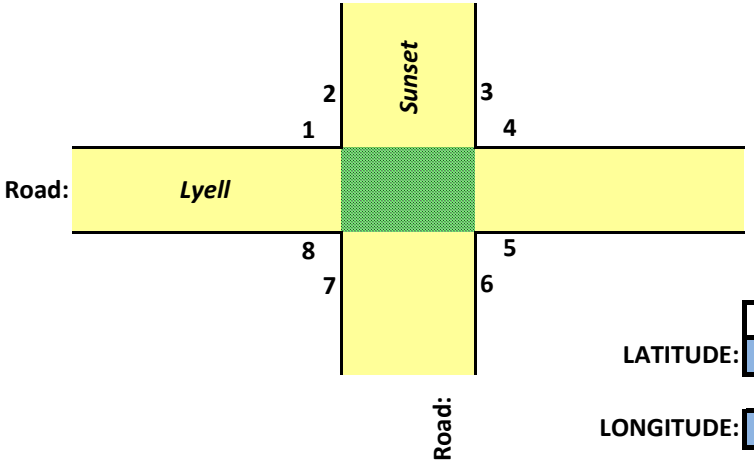
SE Corner – CW 6

SW Corner – CW 7

NYSDOT - Region 4
Curb Ramp Inventory Form



Indicate North Direction



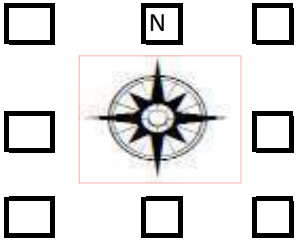
PIN:	
DATE:	12/18/2017
PREPARED BY:	JB

Identify curb ramp number and complete that column. For diagonal ramps merge the two fields, then complete the column.

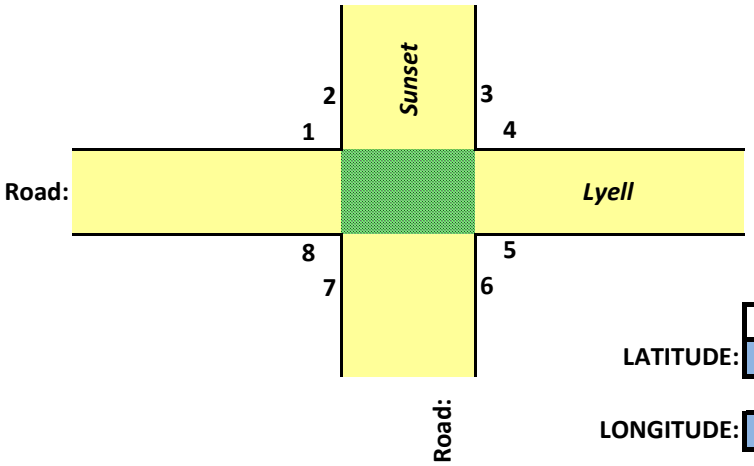
	Degrees		Minutes		Seconds		
LATITUDE:	4	3	0	9	5	3	NORTH
LONGITUDE:	7	7	3	9	1	7	WEST

		Curb Ramp Number																
		Ramp Field Measured Values																
Feature	**Criteria**	**1**		**2**		**3**		**4**		**5**		**6**		**7**		**8**		**Notes**
Ramp	Standard Sheet Type																	
	Running Slope (%)			9														
	Cross Slope (%)			0.7														
	Length (ft)			8.83														
	Width (ft)			5.17														
	Side Flare Slope (%)	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	
				11.6	7.0													
Turning Space (top of ramp)	Length (ft)			6.25														
	Width (ft)			5.5														
	Cross Slope (%)			0.8														
Detectable Warning	Dome Orientation			perp														
	Color			grey														
	Length (ft)			2.17														
	Width (ft)			5														
	Condition			fair														sunken brick
Transition to Roadway	Vertical Difference (in)			0.5														
Clear Space (bottom of ramp)	Length (ft)			3														road
	Width (ft)			5.17														
	Cross Slope (%)			1.8														
	Counter Slope (%)			1.2														

NYSDOT - Region 4
Curb Ramp Inventory Form



Indicate North Direction



PIN:	
DATE:	12/21/2017
PREPARED BY:	JB

Identify curb ramp number and complete that column. For diagonal ramps merge the two fields, then complete the column.

	Degrees		Minutes		Seconds		
LATITUDE:	4	3	0	9	5	3	NORTH
LONGITUDE:	7	7	3	9	1	6	WEST

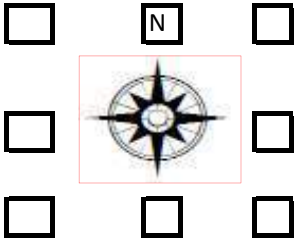
		Curb Ramp Number																
		Ramp Field Measured Values																
Feature	**Criteria**	**1**		**2**		**3**		**4**		**5**		**6**		**7**		**8**		**Notes**
Ramp	Standard Sheet Type																	
	Running Slope (%)					10.9												
	Cross Slope (%)					2.8												
	Length (ft)					7.2												
	Width (ft)					4												
	Side Flare Slope (%)	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	
						11.3	14.3											
Turning Space (top of ramp)	Length (ft)					6												
	Width (ft)					8.08												
	Cross Slope (%)					1.6												
Detectable Warning	Dome Orientation					n/a												none
	Color					n/a												
	Length (ft)					n/a												
	Width (ft)					n/a												
	Condition					n/a												
Transition to Roadway	Vertical Difference (in)					-0.75												
Clear Space (bottom of ramp)	Length (ft)					1												road
	Width (ft)					4												
	Cross Slope (%)					1.7												
	Counter Slope (%)					0.2												

Lyell Ave & Sunset St

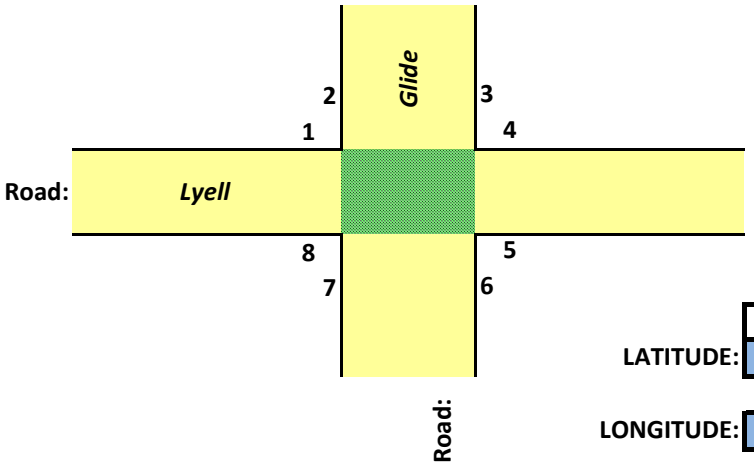
NW Corner – CW 2

NE Corner – CW 3

NYSDOT - Region 4
Curb Ramp Inventory Form



Indicate North Direction



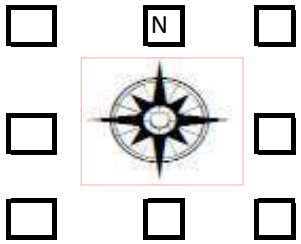
PIN:	
DATE:	12/21/2017
PREPARED BY:	JB

Identify curb ramp number and complete that column. For diagonal ramps merge the two fields, then complete the column.

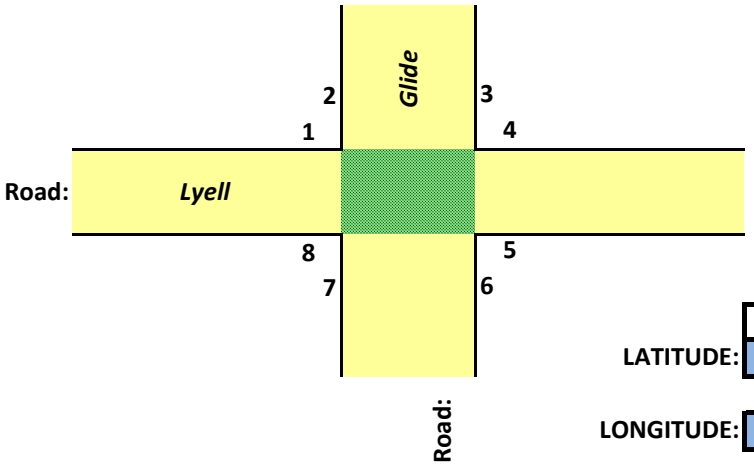
	Degrees		Minutes		Seconds		
LATITUDE:	4	3	0	9	5	3	NORTH
LONGITUDE:	7	7	3	9	1	5	WEST

		Curb Ramp Number																
		Ramp Field Measured Values																
Feature	**Criteria**	**1**		**2**		**3**		**4**		**5**		**6**		**7**		**8**		**Notes**
Ramp	Standard Sheet Type																	
	Running Slope (%)	9.8																
	Cross Slope (%)	1.5																
	Length (ft)	6.42																
	Width (ft)	4.92																
	Side Flare Slope (%)	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	
		9.2	15.3															
Turning Space (top of ramp)	Length (ft)	5.42																
	Width (ft)	4.92																
	Cross Slope (%)	1.1																
Detectable Warning	Dome Orientation	perp																
	Color	grey																
	Length (ft)	2																
	Width (ft)	4.92																
	Condition	good																brick
Transition to Roadway	Vertical Difference (in)	0																
Clear Space (bottom of ramp)	Length (ft)	2																
	Width (ft)	4.92																
	Cross Slope (%)	1.6																
	Counter Slope (%)	2.5																

NYSDOT - Region 4
Curb Ramp Inventory Form



Indicate North Direction



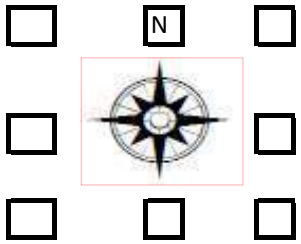
PIN:	
DATE:	12/21/2017
PREPARED BY:	JB

Identify curb ramp number and complete that column. For diagonal ramps merge the two fields, then complete the column.

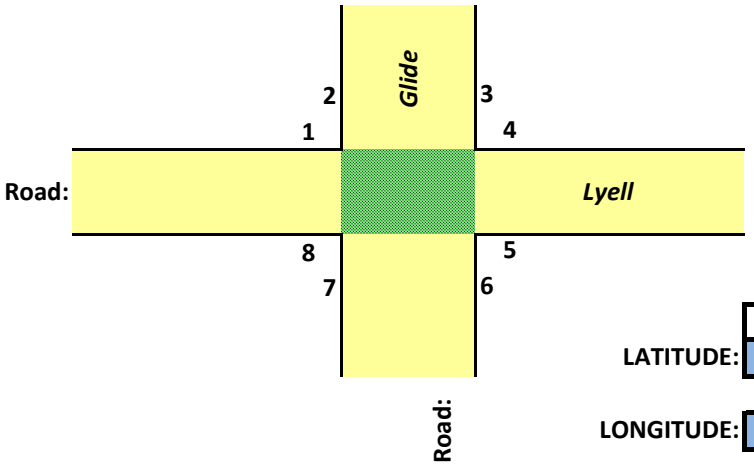
	Degrees		Minutes		Seconds		
LATITUDE:	4	3	0	9	5	3	NORTH
LONGITUDE:	7	7	3	9	1	5	WEST

		Curb Ramp Number																
		Ramp Field Measured Values																
Feature	**Criteria**	**1**		**2**		**3**		**4**		**5**		**6**		**7**		**8**		**Notes**
Ramp	Standard Sheet Type																	
	Running Slope (%)			6.9														
	Cross Slope (%)			0.5														
	Length (ft)			6.83														
	Width (ft)			5														
	Side Flare Slope (%)	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	
				15.9	9.2													
Turning Space (top of ramp)	Length (ft)			6														
	Width (ft)			4.58														
	Cross Slope (%)			0.1														
Detectable Warning	Dome Orientation			perp														
	Color			grey														
	Length (ft)			2														
	Width (ft)			5														
	Condition			ok														sunken brick
Transition to Roadway	Vertical Difference (in)			0														
Clear Space (bottom of ramp)	Length (ft)			3														
	Width (ft)			5														
	Cross Slope (%)			0.5														
	Counter Slope (%)			0.9														

NYSDOT - Region 4
Curb Ramp Inventory Form



Indicate North Direction



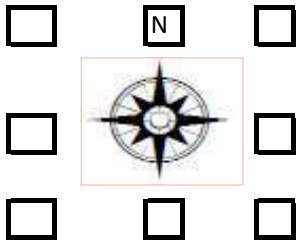
PIN:	
DATE:	12/21/2017
PREPARED BY:	JB

Identify curb ramp number and complete that column. For diagonal ramps merge the two fields, then complete the column.

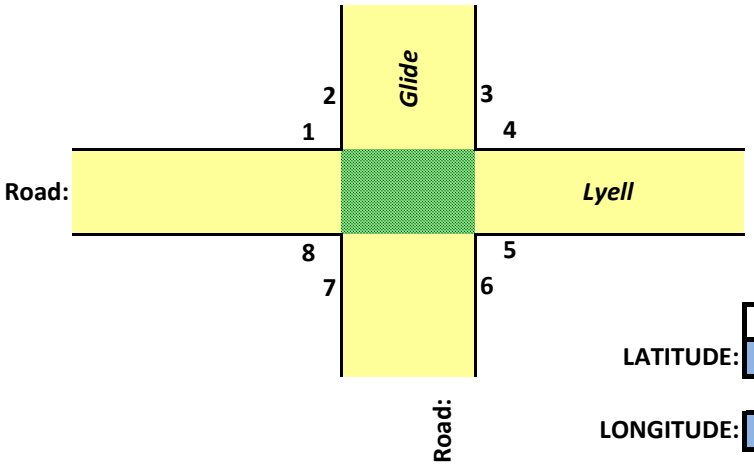
	Degrees		Minutes		Seconds		
LATITUDE:	4	3	0	9	5	3	NORTH
LONGITUDE:	7	7	3	9	1	5	WEST

		Curb Ramp Number																
		Ramp Field Measured Values																
Feature	**Criteria**	**1**		**2**		**3**		**4**		**5**		**6**		**7**		**8**		**Notes**
Ramp	Standard Sheet Type																	
	Running Slope (%)					6.8												
	Cross Slope (%)					4.6												
	Length (ft)					7.58												
	Width (ft)					5												
	Side Flare Slope (%)	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	
						16.3	14											
Turning Space (top of ramp)	Length (ft)					5.33												
	Width (ft)					5												
	Cross Slope (%)					1												
Detectable Warning	Dome Orientation					perp												
	Color					grey												
	Length (ft)					2												
	Width (ft)					5												
	Condition					ok												sunken brick
Transition to Roadway	Vertical Difference (in)					-0.25												
Clear Space (bottom of ramp)	Length (ft)					2												
	Width (ft)					5												
	Cross Slope (%)					0.7												
	Counter Slope (%)					2.3												

NYSDOT - Region 4
Curb Ramp Inventory Form



Indicate North Direction



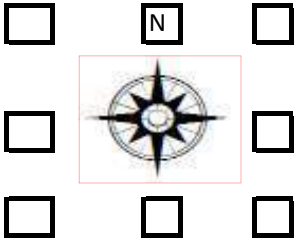
PIN:	
DATE:	12/21/2017
PREPARED BY:	JB

Identify curb ramp number and complete that column. For diagonal ramps merge the two fields, then complete the column.

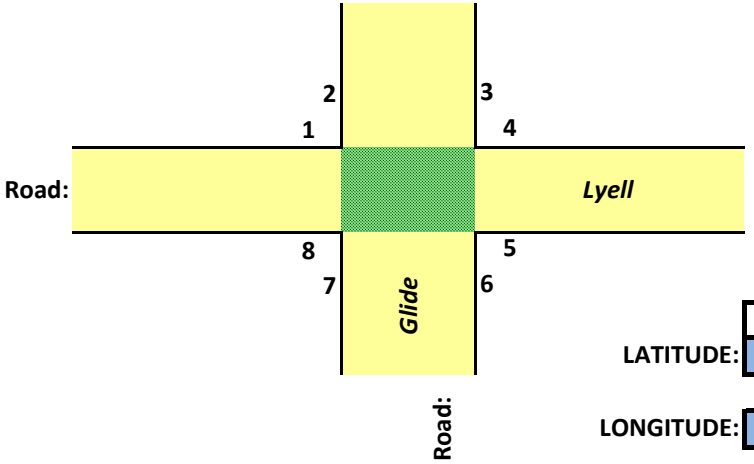
	Degrees		Minutes		Seconds		
LATITUDE:	4	3	0	9	5	3	NORTH
LONGITUDE:	7	7	3	9	1	5	WEST

		Curb Ramp Number																
		Ramp Field Measured Values																
Feature	**Criteria**	**1**		**2**		**3**		**4**		**5**		**6**		**7**		**8**		**Notes**
Ramp	Standard Sheet Type																	
	Running Slope (%)							7.9										
	Cross Slope (%)							0.5										
	Length (ft)							5.83										
	Width (ft)							4.9										
	Side Flare Slope (%)	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	
								16.3	9.3									
Turning Space (top of ramp)	Length (ft)							7.75										
	Width (ft)							5.33										
	Cross Slope (%)							0.8										
Detectable Warning	Dome Orientation							perp										
	Color							grey										
	Length (ft)							2										
	Width (ft)							5										
	Condition							good										brick
Transition to Roadway	Vertical Difference (in)							0										
Clear Space (bottom of ramp)	Length (ft)							2										
	Width (ft)							4.9										
	Cross Slope (%)							1.4										
	Counter Slope (%)							0.3										

NYSDOT - Region 4
Curb Ramp Inventory Form



Indicate North Direction



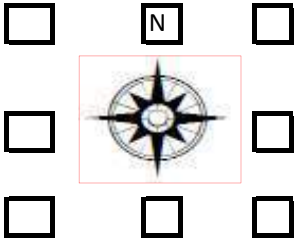
PIN:	
DATE:	12/21/2017
PREPARED BY:	JB

Identify curb ramp number and complete that column. For diagonal ramps merge the two fields, then complete the column.

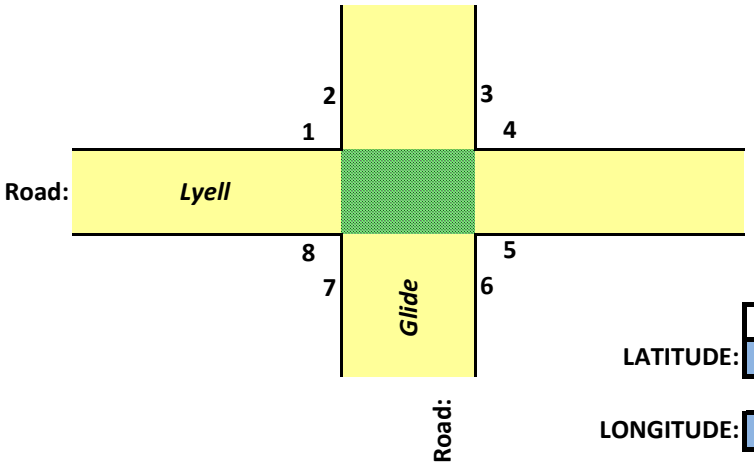
	Degrees		Minutes		Seconds		
LATITUDE:	4	3	0	9	5	3	NORTH
LONGITUDE:	7	7	3	9	1	5	WEST

		Curb Ramp Number																
		Ramp Field Measured Values																
Feature	**Criteria**	**1**		**2**		**3**		**4**		**5**				**7**		**8**		**Notes**
Ramp	Standard Sheet Type																	
	Running Slope (%)									10.3								
	Cross Slope (%)									2.7								
	Length (ft)									13.25								
	Width (ft)									3.83								
	Side Flare Slope (%)	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*			*RT*	*LT*	*RT*	*LT*	*RT*	
										8.2		6						
Turning Space (top of ramp)	Length (ft)									5								
	Width (ft)									6.33								
	Cross Slope (%)									3.3								
Detectable Warning	Dome Orientation									n/a								
	Color									n/a								
	Length (ft)									n/a								
	Width (ft)									n/a								
	Condition									n/a								none
Transition to Roadway	Vertical Difference (in)									0								
Clear Space (bottom of ramp)	Length (ft)									6.25								
	Width (ft)									3.83								
	Cross Slope (%)									2.3								
	Counter Slope (%)									1.7								

NYSDOT - Region 4
Curb Ramp Inventory Form



Indicate North Direction



PIN:	
DATE:	12/21/2017
PREPARED BY:	JB

Identify curb ramp number and complete that column. For diagonal ramps merge the two fields, then complete the column.

	Degrees		Minutes		Seconds		
LATITUDE:	4	3	0	9	5	2	NORTH
LONGITUDE:	7	7	3	9	1	5	WEST

		Curb Ramp Number																
		Ramp Field Measured Values																
Feature	**Criteria**	**1**		**2**		**3**		**4**		**5**		**6**		**7**				**Notes**
Ramp	Standard Sheet Type																	
	Running Slope (%)													10.3				
	Cross Slope (%)													3.1				
	Length (ft)													11.42				
	Width (ft)													5				
	Side Flare Slope (%)	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*			*RT*	
														5.3			8.4	
Turning Space (top of ramp)	Length (ft)													5				
	Width (ft)													5				
	Cross Slope (%)													0				
Detectable Warning	Dome Orientation													n/a				
	Color													n/a				
	Length (ft)													n/a				
	Width (ft)													n/a				
	Condition													n/a				none
Transition to Roadway	Vertical Difference (in)													-0.5				
Clear Space (bottom of ramp)	Length (ft)													4				
	Width (ft)													5				
	Cross Slope (%)													2.2				
	Counter Slope (%)													3.2				

Lyell Ave & Glide St

NW Corner – CW 1

NW Corner - CW 2

NE Corner – CW 3

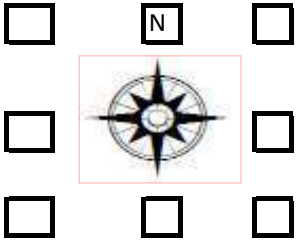
NE Corner - CW 4

Lyell Ave & Glide St

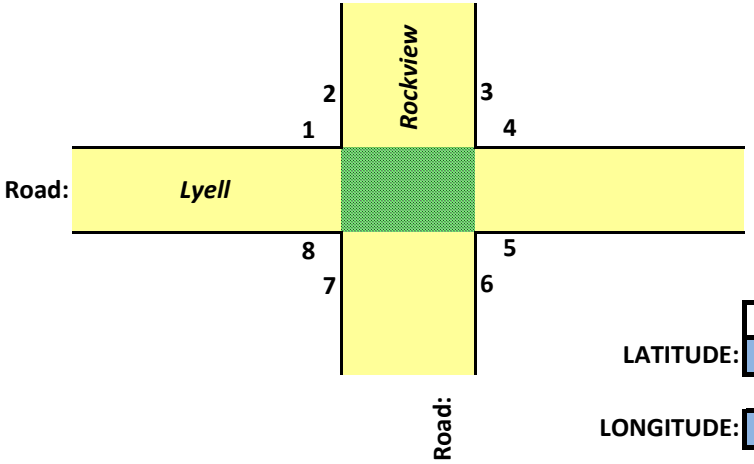
SE Corner – CW 5

SW Corner - CW 7

NYSDOT - Region 4
Curb Ramp Inventory Form



Indicate North Direction



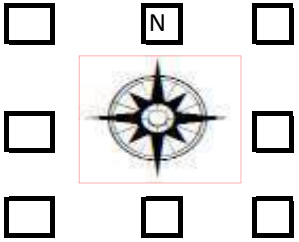
PIN:	
DATE:	12/18/2017
PREPARED BY:	JB

Identify curb ramp number and complete that column. For diagonal ramps merge the two fields, then complete the column.

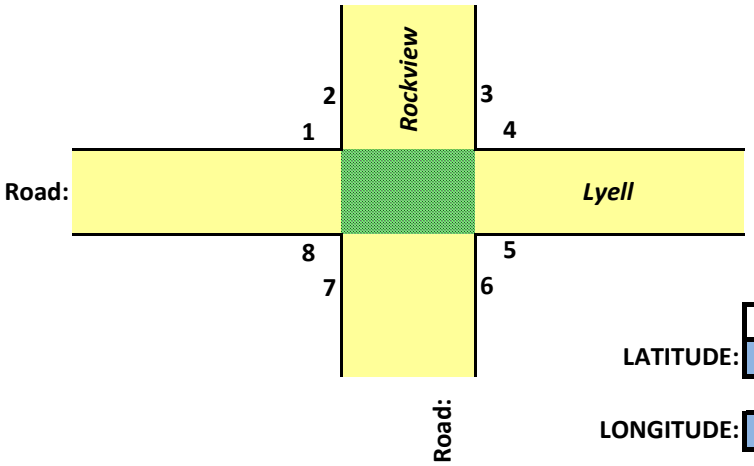
	Degrees		Minutes		Seconds		
LATITUDE:	4	3	0	9	5	3	NORTH
LONGITUDE:	7	7	3	9	1	1	WEST

		Curb Ramp Number																
		Ramp Field Measured Values																
Feature	**Criteria**	**1**		**2**		**3**		**4**		**5**		**6**		**7**		**8**		**Notes**
Ramp	Standard Sheet Type																	
	Running Slope (%)			7.6														
	Cross Slope (%)			8.3														
	Length (ft)			8.25														
	Width (ft)			6														
	Side Flare Slope (%)	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	
				12.4	11.8													
Turning Space (top of ramp)	Length (ft)			4.5														
	Width (ft)			5														
	Cross Slope (%)			3.2														
Detectable Warning	Dome Orientation			n/a														none
	Color			n/a														
	Length (ft)			n/a														
	Width (ft)			n/a														
	Condition			n/a														
Transition to Roadway	Vertical Difference (in)			0														
Clear Space (bottom of ramp)	Length (ft)			5.25														road
	Width (ft)			6														
	Cross Slope (%)			1.8														
	Counter Slope (%)			2.8														

NYSDOT - Region 4
Curb Ramp Inventory Form



Indicate North Direction



PIN:	
DATE:	12/18/2017
PREPARED BY:	JB

Identify curb ramp number and complete that column. For diagonal ramps merge the two fields, then complete the column.

	Degrees		Minutes		Seconds		
LATITUDE:	4	3	0	9	5	3	NORTH
LONGITUDE:	7	7	3	9	1	0	WEST

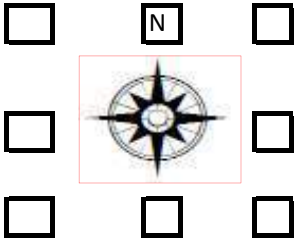
		Curb Ramp Number																
		Ramp Field Measured Values																
Feature	**Criteria**	**1**		**2**		**3**		**4**		**5**		**6**		**7**		**8**		**Notes**
Ramp	Standard Sheet Type																	
	Running Slope (%)					8												
	Cross Slope (%)					9												
	Length (ft)					9.25												
	Width (ft)					5												
	Side Flare Slope (%)	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	
						23.4	13.4											
Turning Space (top of ramp)	Length (ft)					5.92												
	Width (ft)					5												
	Cross Slope (%)					3.8												
Detectable Warning	Dome Orientation					n/a												none
	Color					n/a												
	Length (ft)					n/a												
	Width (ft)					n/a												
	Condition					n/a												
Transition to Roadway	Vertical Difference (in)					-0.5												
Clear Space (bottom of ramp)	Length (ft)					5												road
	Width (ft)					5												
	Cross Slope (%)					2.3												
	Counter Slope (%)					0.6												

Lyell Ave & Rockview Terrace

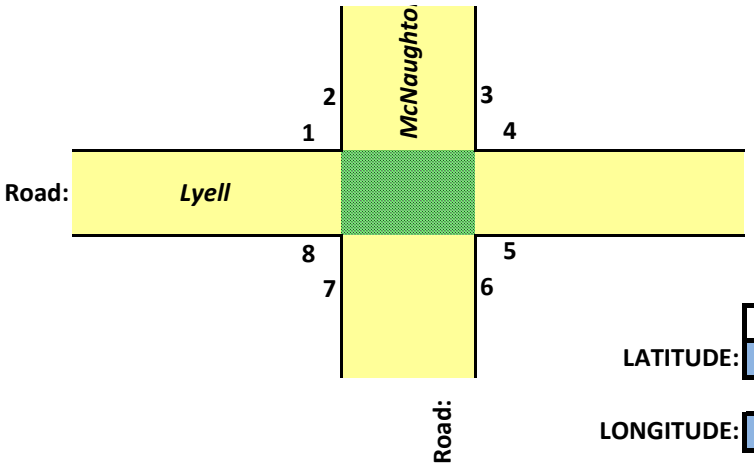
NW Corner – CW 2

NE Corner – CW 3

NYSDOT - Region 4
Curb Ramp Inventory Form



Indicate North Direction



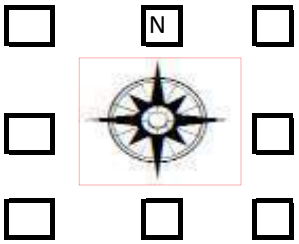
PIN:	
DATE:	12/18/2017
PREPARED BY:	JB

Identify curb ramp number and complete that column. For diagonal ramps merge the two fields, then complete the column.

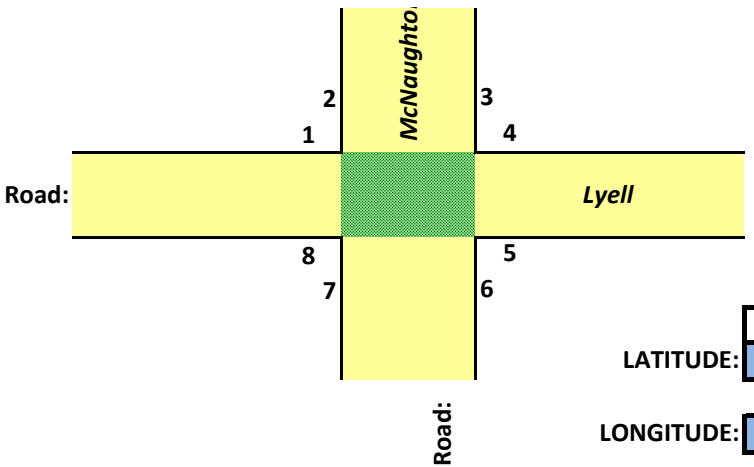
	Degrees		Minutes		Seconds		
LATITUDE:	4	3	0	9	5	3	NORTH
LONGITUDE:	7	7	3	9	0	6	WEST

		Curb Ramp Number																
		Ramp Field Measured Values																
Feature	**Criteria**	**1**		**2**		**3**		**4**		**5**		**6**		**7**		**8**		**Notes**
Ramp	Standard Sheet Type																	
	Running Slope (%)			7.4														
	Cross Slope (%)			10.7														
	Length (ft)			9.92														
	Width (ft)			5.75														
	Side Flare Slope (%)	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	
				13.3	15.0													
Turning Space (top of ramp)	Length (ft)			5.75														
	Width (ft)			4.83														
	Cross Slope (%)			4.3														
Detectable Warning	Dome Orientation			n/a														none
	Color			n/a														
	Length (ft)			n/a														
	Width (ft)			n/a														
	Condition			n/a														
Transition to Roadway	Vertical Difference (in)			0														
Clear Space (bottom of ramp)	Length (ft)			4.33														road
	Width (ft)			5.75														
	Cross Slope (%)			1.2														
	Counter Slope (%)			0.4														

NYSDOT - Region 4
Curb Ramp Inventory Form



Indicate North Direction



PIN:	
DATE:	12/18/2017
PREPARED BY:	JB

Identify curb ramp number and complete that column. For diagonal ramps merge the two fields, then complete the column.

	Degrees		Minutes		Seconds		
LATITUDE:	4	3	0	9	5	3	NORTH
LONGITUDE:	7	7	3	9	0	5	WEST

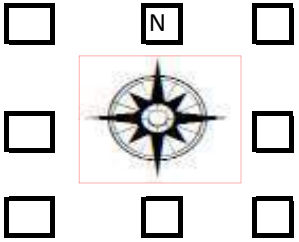
		Curb Ramp Number																
		Ramp Field Measured Values																
Feature	**Criteria**	**1**		**2**		**3**		**4**		**5**		**6**		**7**		**8**		**Notes**
Ramp	Standard Sheet Type																	
	Running Slope (%)					7.5												
	Cross Slope (%)					7.1												
	Length (ft)					10												
	Width (ft)					5												
	Side Flare Slope (%)	*LT*	*RT*			*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	
						16.4	16.4											
Turning Space (top of ramp)	Length (ft)					5.92												
	Width (ft)					4.75												
	Cross Slope (%)					3												
Detectable Warning	Dome Orientation					perp												
	Color					grey												
	Length (ft)					2												
	Width (ft)					4												
	Condition					good												d/w poly mat
Transition to Roadway	Vertical Difference (in)					-0.5												
Clear Space (bottom of ramp)	Length (ft)					6												road
	Width (ft)					5												
	Cross Slope (%)					1.7												
	Counter Slope (%)					2												

Lyell Ave & McNaughton St

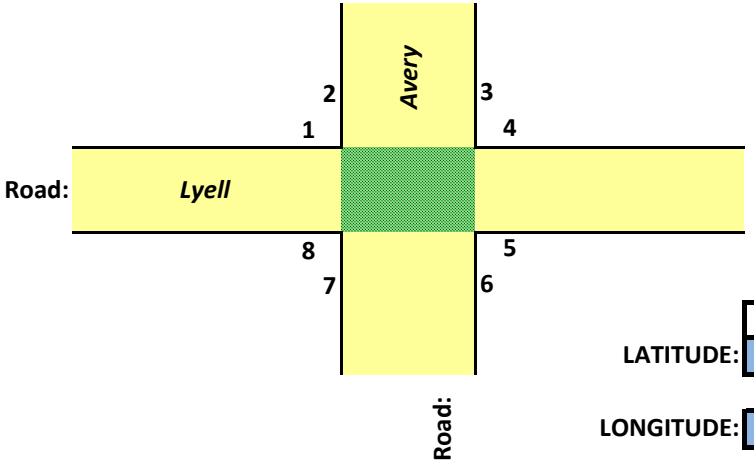
NW Corner – CW 2

NE Corner – CW 3

NYSDOT - Region 4
Curb Ramp Inventory Form



Indicate North Direction



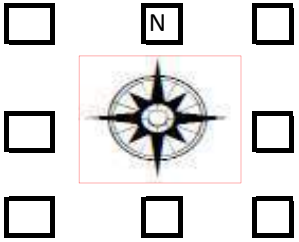
PIN:	
DATE:	12/18/2017
PREPARED BY:	JB

Identify curb ramp number and complete that column. For diagonal ramps merge the two fields, then complete the column.

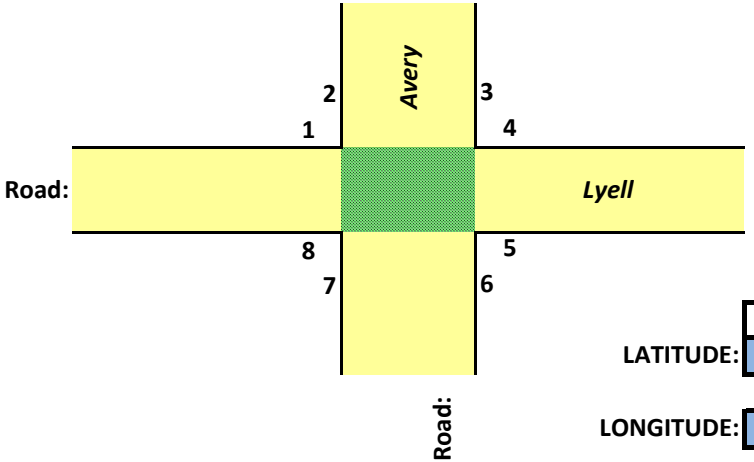
	Degrees		Minutes		Seconds		
LATITUDE:	4	3	0	9	5	3	NORTH
LONGITUDE:	7	7	3	9	0	1	WEST

		Curb Ramp Number																
		Ramp Field Measured Values																
Feature	**Criteria**	**1**		**2**		**3**		**4**		**5**		**6**		**7**		**8**		**Notes**
Ramp	Standard Sheet Type																	
	Running Slope (%)			9.8														
	Cross Slope (%)			8.7														
	Length (ft)			9														
	Width (ft)			5.33														
	Side Flare Slope (%)	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	
				18.6	13.7													
Turning Space (top of ramp)	Length (ft)			5.75														
	Width (ft)			6.17														
	Cross Slope (%)			3.3														
Detectable Warning	Dome Orientation			n/a														none
	Color			n/a														
	Length (ft)			n/a														
	Width (ft)			n/a														
	Condition			n/a														
Transition to Roadway	Vertical Difference (in)			0														
Clear Space (bottom of ramp)	Length (ft)			5.5														road
	Width (ft)			5.33														
	Cross Slope (%)			2.1														
	Counter Slope (%)			0.9														

NYSDOT - Region 4
Curb Ramp Inventory Form



Indicate North Direction



PIN:	
DATE:	12/18/2017
PREPARED BY:	JB

Identify curb ramp number and complete that column. For diagonal ramps merge the two fields, then complete the column.

	Degrees		Minutes		Seconds		
LATITUDE:	4	3	0	9	5	3	NORTH
LONGITUDE:	7	7	3	9	0	0	WEST

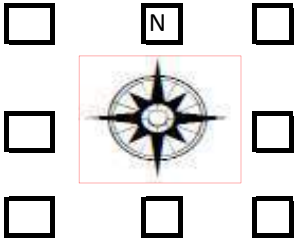
		Curb Ramp Number																
		Ramp Field Measured Values																
Feature	**Criteria**	**1**		**2**		**3**		**4**		**5**		**6**		**7**		**8**		**Notes**
Ramp	Standard Sheet Type																	
	Running Slope (%)					6.6												
	Cross Slope (%)					8												
	Length (ft)					8.5												
	Width (ft)					5												
	Side Flare Slope (%)	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	
						16.3	15.6											
Turning Space (top of ramp)	Length (ft)					5.5												
	Width (ft)					5.5												
	Cross Slope (%)					1.3												
Detectable Warning	Dome Orientation					n/a												none
	Color					n/a												
	Length (ft)					n/a												
	Width (ft)					n/a												
	Condition					n/a												
Transition to Roadway	Vertical Difference (in)					0												
Clear Space (bottom of ramp)	Length (ft)					4.5												road
	Width (ft)					5												
	Cross Slope (%)					0.8												
	Counter Slope (%)					1.4												

Lyell Ave & Avery St

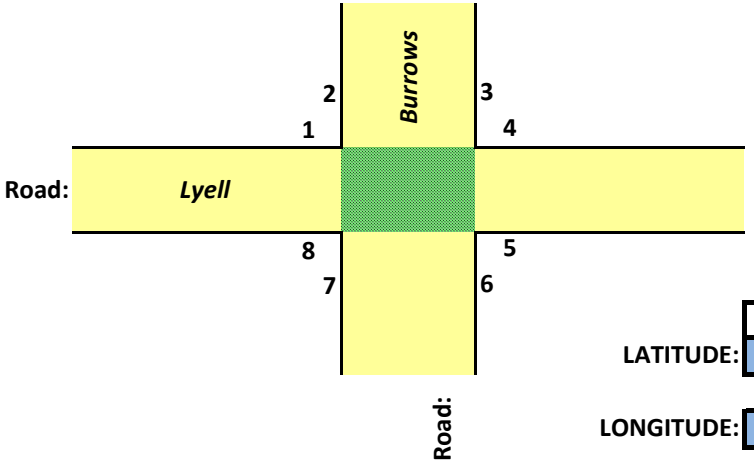
NW Corner – CW 2

NE Corner - CW 3

NYSDOT - Region 4
Curb Ramp Inventory Form



Indicate North Direction



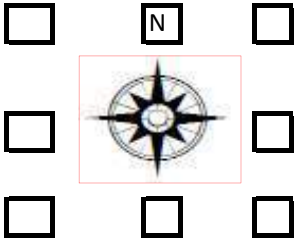
PIN:	
DATE:	12/18/2017
PREPARED BY:	JB

Identify curb ramp number and complete that column. For diagonal ramps merge the two fields, then complete the column.

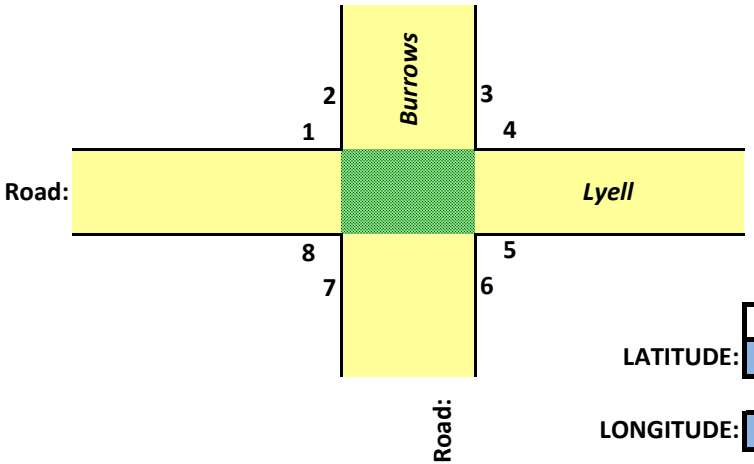
	Degrees		Minutes		Seconds		
LATITUDE:	4	3	0	9	5	3	NORTH
LONGITUDE:	7	7	3	8	5	6	WEST

		Curb Ramp Number																
		Ramp Field Measured Values																
Feature	**Criteria**	**1**		**2**		**3**		**4**		**5**		**6**		**7**		**8**		**Notes**
Ramp	Standard Sheet Type																	
	Running Slope (%)			9.5														
	Cross Slope (%)			4.1														
	Length (ft)			7.58														
	Width (ft)			5.67														
	Side Flare Slope (%)	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	
				18.4	8.3													
Turning Space (top of ramp)	Length (ft)			6														
	Width (ft)			5.5														
	Cross Slope (%)			2.4														
Detectable Warning	Dome Orientation			n/a														none
	Color			n/a														
	Length (ft)			n/a														
	Width (ft)			n/a														
	Condition			n/a														
Transition to Roadway	Vertical Difference (in)			0														
Clear Space (bottom of ramp)	Length (ft)			5														road
	Width (ft)			5.67														
	Cross Slope (%)			1.6														
	Counter Slope (%)			1.5														

NYSDOT - Region 4
Curb Ramp Inventory Form



Indicate North Direction



PIN:	
DATE:	12/19/2017
PREPARED BY:	JB

Identify curb ramp number and complete that column. For diagonal ramps merge the two fields, then complete the column.

	Degrees		Minutes		Seconds		
LATITUDE:	4	3	0	9	5	3	NORTH
LONGITUDE:	7	7	3	8	5	5	WEST

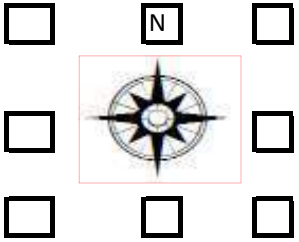
		Curb Ramp Number																
		Ramp Field Measured Values																
Feature	**Criteria**	**1**		**2**		**3**		**4**		**5**		**6**		**7**		**8**		**Notes**
Ramp	Standard Sheet Type																	
	Running Slope (%)					9.3												
	Cross Slope (%)					4.8												
	Length (ft)					9.33												
	Width (ft)					4.58												
	Side Flare Slope (%)	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	
						15.3	18.1											
Turning Space (top of ramp)	Length (ft)					5.67												
	Width (ft)					5.25												
	Cross Slope (%)					0.6												
Detectable Warning	Dome Orientation					n/a												none
	Color					n/a												
	Length (ft)					n/a												
	Width (ft)					n/a												
	Condition					n/a												
Transition to Roadway	Vertical Difference (in)					0												
Clear Space (bottom of ramp)	Length (ft)					4												road
	Width (ft)					4.58												
	Cross Slope (%)					3.7												
	Counter Slope (%)					0.4												

Lyell Ave & Burrows St

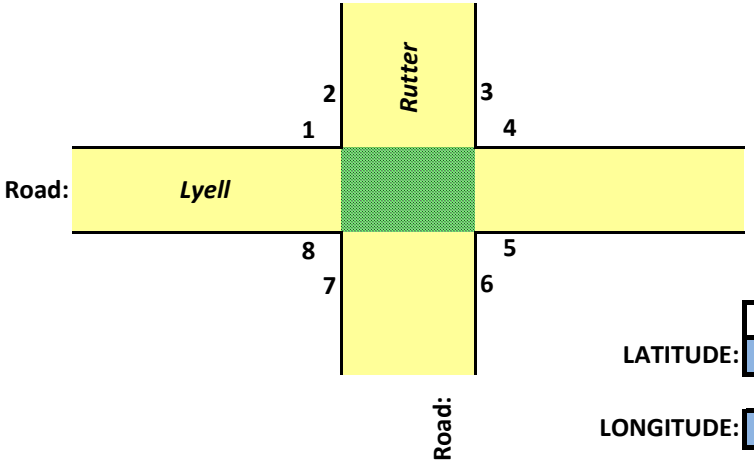
NW Corner – CW 2

NE Corner - CW 3

NYSDOT - Region 4
Curb Ramp Inventory Form



Indicate North Direction



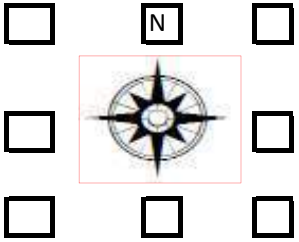
PIN:	
DATE:	12/18/2017
PREPARED BY:	JB

Identify curb ramp number and complete that column. For diagonal ramps merge the two fields, then complete the column.

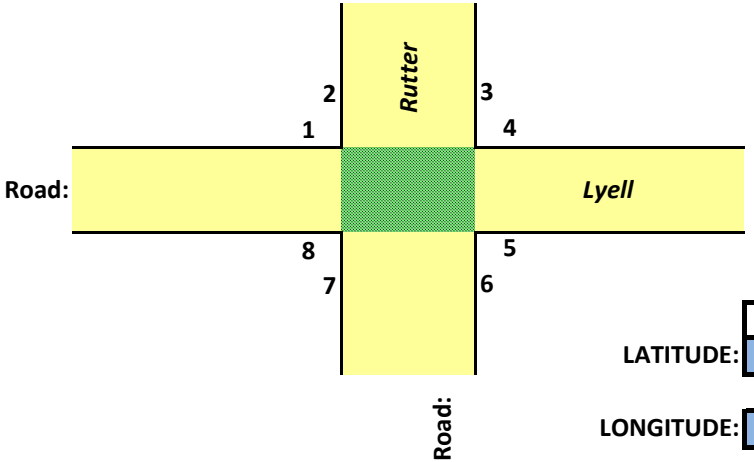
	Degrees		Minutes		Seconds		
LATITUDE:	4	3	0	9	5	3	NORTH
LONGITUDE:	7	7	3	8	5	0	WEST

		Curb Ramp Number																
		Ramp Field Measured Values																
Feature	**Criteria**	**1**		**2**		**3**		**4**		**5**		**6**		**7**		**8**		**Notes**
Ramp	Standard Sheet Type																	
	Running Slope (%)			10.7														
	Cross Slope (%)			2.7														
	Length (ft)			9.08														
	Width (ft)			5.75														
	Side Flare Slope (%)	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	
				10	7.7													
Turning Space (top of ramp)	Length (ft)			5														
	Width (ft)			7														
	Cross Slope (%)			1.1														
Detectable Warning	Dome Orientation			n/a														none
	Color			n/a														
	Length (ft)			n/a														
	Width (ft)			n/a														
	Condition			n/a														
Transition to Roadway	Vertical Difference (in)			0														
Clear Space (bottom of ramp)	Length (ft)			4.17														road
	Width (ft)			5.75														
	Cross Slope (%)			3														
	Counter Slope (%)			1.1														

NYSDOT - Region 4
Curb Ramp Inventory Form



Indicate North Direction



PIN:	
DATE:	12/18/2017
PREPARED BY:	JB

Identify curb ramp number and complete that column. For diagonal ramps merge the two fields, then complete the column.

	Degrees		Minutes		Seconds		
LATITUDE:	4	3	0	9	5	3	NORTH
LONGITUDE:	7	7	3	8	4	9	WEST

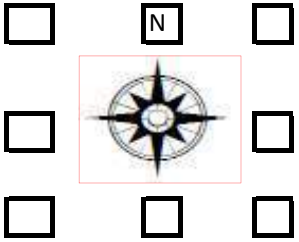
		Curb Ramp Number																
		Ramp Field Measured Values																
Feature	**Criteria**	**1**		**2**		**3**		**4**		**5**		**6**		**7**		**8**		**Notes**
Ramp	Standard Sheet Type																	
	Running Slope (%)					11												
	Cross Slope (%)					10												
	Length (ft)					11.5												
	Width (ft)					5.58												
	Side Flare Slope (%)	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*			*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	
						6.7	9.1											
Turning Space (top of ramp)	Length (ft)					3.75												
	Width (ft)					4.5												
	Cross Slope (%)					0.8												
Detectable Warning	Dome Orientation					n/a												none
	Color					n/a												
	Length (ft)					n/a												
	Width (ft)					n/a												
	Condition					n/a												
Transition to Roadway	Vertical Difference (in)					-0.5												
Clear Space (bottom of ramp)	Length (ft)					5.33												road
	Width (ft)					5.58												
	Cross Slope (%)					3.3												
	Counter Slope (%)					0.6												

Lyell Ave & Rutter St

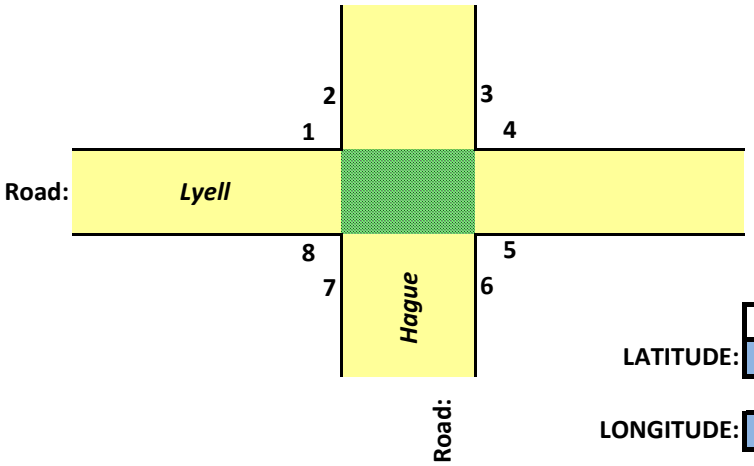
NW Corner – CW 2

NE Corner – CW 3

NYSDOT - Region 4
Curb Ramp Inventory Form



Indicate North Direction



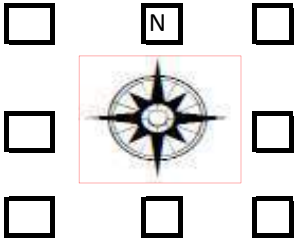
PIN:	
DATE:	12/18/2017
PREPARED BY:	JB

Identify curb ramp number and complete that column. For diagonal ramps merge the two fields, then complete the column.

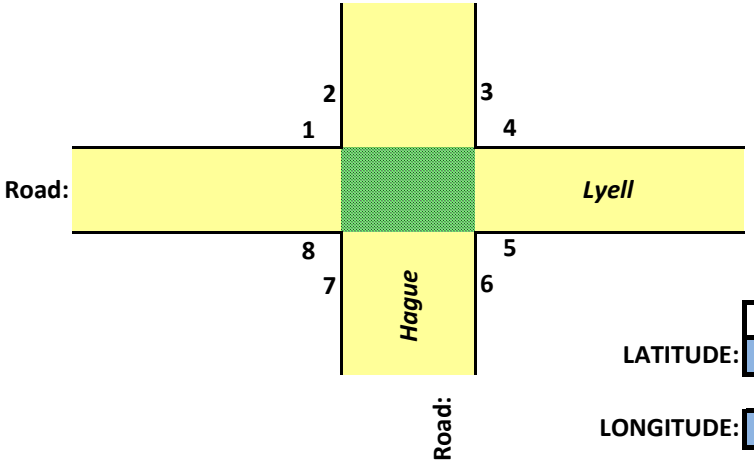
	Degrees		Minutes		Seconds		
LATITUDE:	4	3	0	9	5	3	NORTH
LONGITUDE:	7	7	3	8	4	8	WEST

		Curb Ramp Number																
		Ramp Field Measured Values																
Feature	**Criteria**	**1**		**2**		**3**		**4**		**5**		**6**		**7**		**8**		**Notes**
Ramp	Standard Sheet Type																	
	Running Slope (%)	7.8																
	Cross Slope (%)	0.3																
	Length (ft)	8.67																
	Width (ft)	4.75																
	Side Flare Slope (%)	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	
		15.2	17.4															
Turning Space (top of ramp)	Length (ft)	3.25																landscaping
	Width (ft)	6																
	Cross Slope (%)	0.2																
Detectable Warning	Dome Orientation	n/a																none
	Color	n/a																
	Length (ft)	n/a																
	Width (ft)	n/a																
	Condition	n/a																
Transition to Roadway	Vertical Difference (in)	0																
Clear Space (bottom of ramp)	Length (ft)	0																road
	Width (ft)	4.75																
	Cross Slope (%)	1.4																
	Counter Slope (%)	1.9																

NYSDOT - Region 4
Curb Ramp Inventory Form



Indicate North Direction



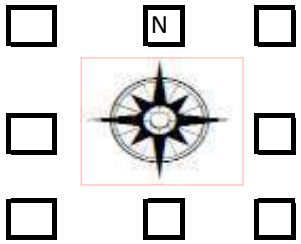
PIN:	
DATE:	12/18/2017
PREPARED BY:	JB

Identify curb ramp number and complete that column. For diagonal ramps merge the two fields, then complete the column.

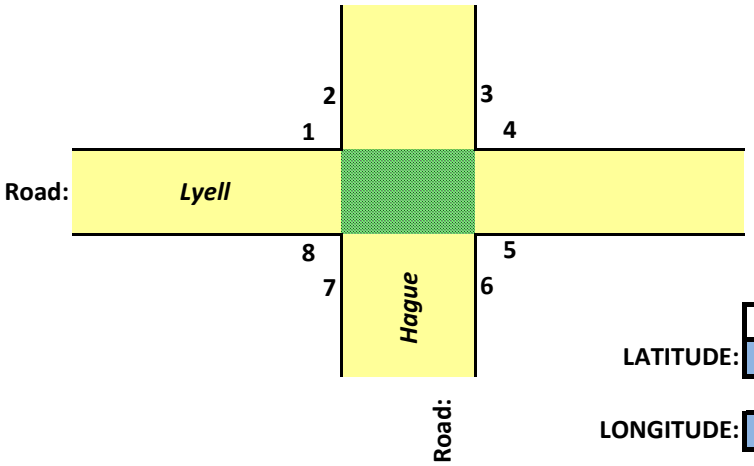
	Degrees		Minutes		Seconds		
LATITUDE:	4	3	0	9	5	2	NORTH
LONGITUDE:	7	7	3	8	4	8	WEST

		Curb Ramp Number																
		Ramp Field Measured Values																
Feature	**Criteria**	**1**		**2**		**3**		**4**		**5**		**6**		**7**		**8**		**Notes**
Ramp	Standard Sheet Type																	
	Running Slope (%)											12						
	Cross Slope (%)											5.3						
	Length (ft)											10						
	Width (ft)											6.58						
	Side Flare Slope (%)	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	
												11.1	9.7					
Turning Space (top of ramp)	Length (ft)											5						
	Width (ft)											5						
	Cross Slope (%)											3						
Detectable Warning	Dome Orientation											n/a						none
	Color											n/a						
	Length (ft)											n/a						
	Width (ft)											n/a						
	Condition											n/a						
Transition to Roadway	Vertical Difference (in)											0						
Clear Space (bottom of ramp)	Length (ft)											4						road
	Width (ft)											6.58						
	Cross Slope (%)											1.3						
	Counter Slope (%)											1.5						

NYSDOT - Region 4
Curb Ramp Inventory Form



Indicate North Direction



PIN:	
DATE:	12/18/2017
PREPARED BY:	JB

Identify curb ramp number and complete that column. For diagonal ramps merge the two fields, then complete the column.

	Degrees		Minutes		Seconds		
LATITUDE:	4	3	0	9	5	2	NORTH
LONGITUDE:	7	7	3	8	4	8	WEST

		Curb Ramp Number																
		Ramp Field Measured Values																
Feature	**Criteria**	**1**		**2**		**3**		**4**		**5**		**6**		**7**				**Notes**
Ramp	Standard Sheet Type																	
	Running Slope (%)													8.2				
	Cross Slope (%)													6.3				
	Length (ft)													11.08				
	Width (ft)													7.58				
	Side Flare Slope (%)	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*			*RT*	
														14.1			6.3	
Turning Space (top of ramp)	Length (ft)													5				
	Width (ft)													5				
	Cross Slope (%)													2.8				
Detectable Warning	Dome Orientation													n/a				none
	Color													n/a				
	Length (ft)													n/a				
	Width (ft)													n/a				
	Condition													n/a				
Transition to Roadway	Vertical Difference (in)													0				
Clear Space (bottom of ramp)	Length (ft)													3.33				
	Width (ft)													7.58				
	Cross Slope (%)													2.7				
	Counter Slope (%)													1.6				

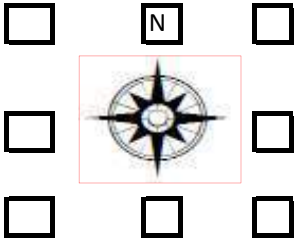
Lyell Ave & Hague St

NW Corner (crossing Lyell) – CW 1

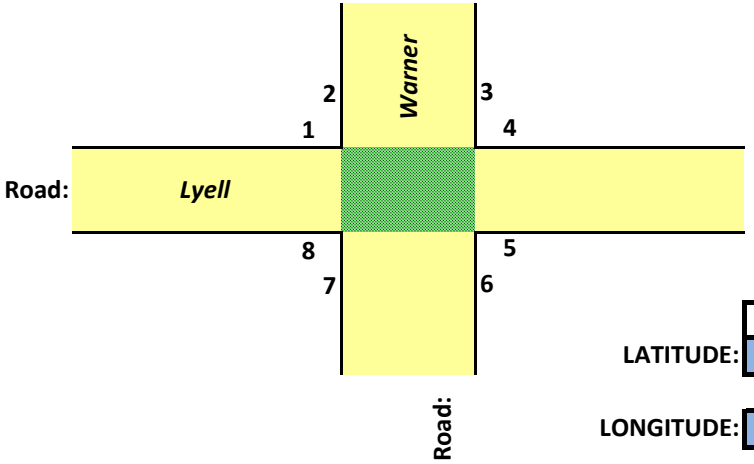
SE Corner – CW 6

SW Corner – CW 7

NYSDOT - Region 4
Curb Ramp Inventory Form



Indicate North Direction



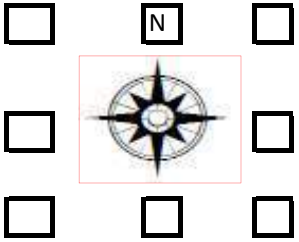
PIN:	
DATE:	12/21/2017
PREPARED BY:	JB

Identify curb ramp number and complete that column. For diagonal ramps merge the two fields, then complete the column.

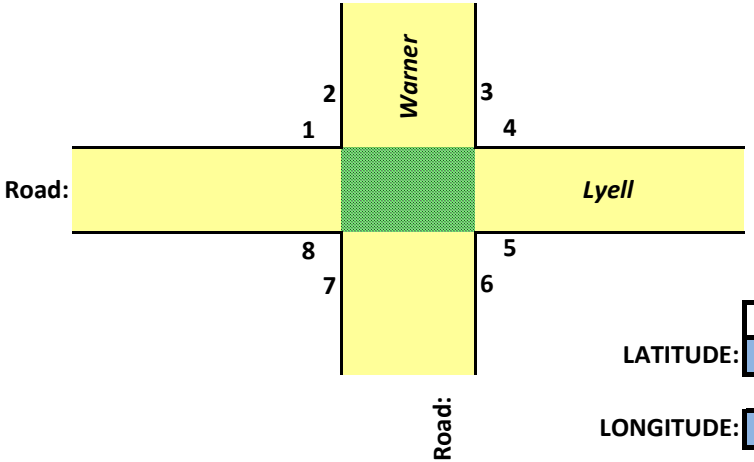
	Degrees		Minutes		Seconds		
LATITUDE:	4	3	0	9	5	3	NORTH
LONGITUDE:	7	7	3	8	4	1	WEST

		Curb Ramp Number																
		Ramp Field Measured Values																
Feature	**Criteria**	**1**		**2**		**3**		**4**		**5**		**6**		**7**		**8**		**Notes**
Ramp	Standard Sheet Type																	
	Running Slope (%)			7.2														
	Cross Slope (%)			5.7														
	Length (ft)			10.33														
	Width (ft)			4.5														
	Side Flare Slope (%)	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	
				7.6	8.4													
Turning Space (top of ramp)	Length (ft)			5														
	Width (ft)			5														
	Cross Slope (%)			1.9														
Detectable Warning	Dome Orientation			n/a														none
	Color			n/a														
	Length (ft)			n/a														
	Width (ft)			n/a														
	Condition			n/a														
Transition to Roadway	Vertical Difference (in)			-0.5														
Clear Space (bottom of ramp)	Length (ft)			6														road
	Width (ft)			4														
	Cross Slope (%)			0.9														
	Counter Slope (%)			1.6														

NYSDOT - Region 4
Curb Ramp Inventory Form



Indicate North Direction



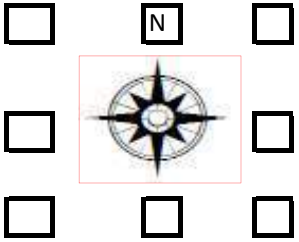
PIN:	
DATE:	12/18/2017
PREPARED BY:	JB

Identify curb ramp number and complete that column. For diagonal ramps merge the two fields, then complete the column.

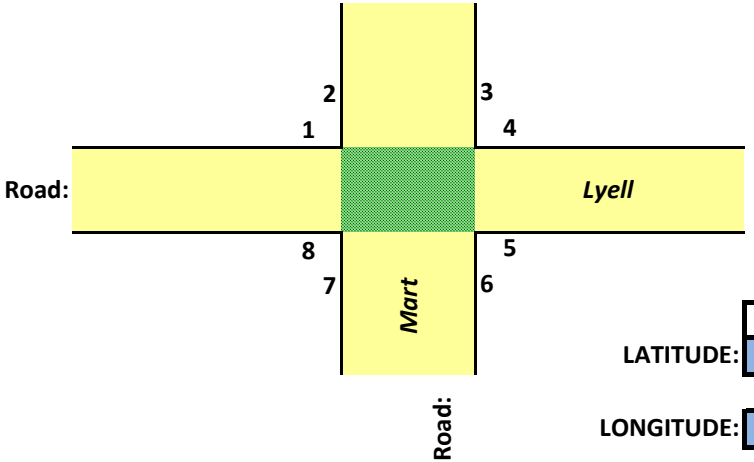
	Degrees		Minutes		Seconds		
LATITUDE:	4	3	0	9	5	3	NORTH
LONGITUDE:	7	7	3	8	4	0	WEST

		Curb Ramp Number																
		Ramp Field Measured Values																
Feature	**Criteria**	**1**		**2**		**3**		**4**		**5**		**6**		**7**		**8**		**Notes**
Ramp	Standard Sheet Type																	
	Running Slope (%)					8.4												
	Cross Slope (%)					4												
	Length (ft)					8.75												
	Width (ft)					5.5												
	Side Flare Slope (%)	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	
						5.9	9.5											
Turning Space (top of ramp)	Length (ft)					5.25												
	Width (ft)					5.5												
	Cross Slope (%)					1.1												
Detectable Warning	Dome Orientation					n/a												none
	Color					n/a												
	Length (ft)					n/a												
	Width (ft)					n/a												
	Condition					n/a												
Transition to Roadway	Vertical Difference (in)					0												
Clear Space (bottom of ramp)	Length (ft)					6												road
	Width (ft)					5.5												
	Cross Slope (%)					1.1												
	Counter Slope (%)					1.4												

NYSDOT - Region 4
Curb Ramp Inventory Form



Indicate North Direction



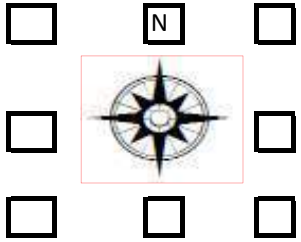
PIN:	
DATE:	12/18/2017
PREPARED BY:	JB

Identify curb ramp number and complete that column. For diagonal ramps merge the two fields, then complete the column.

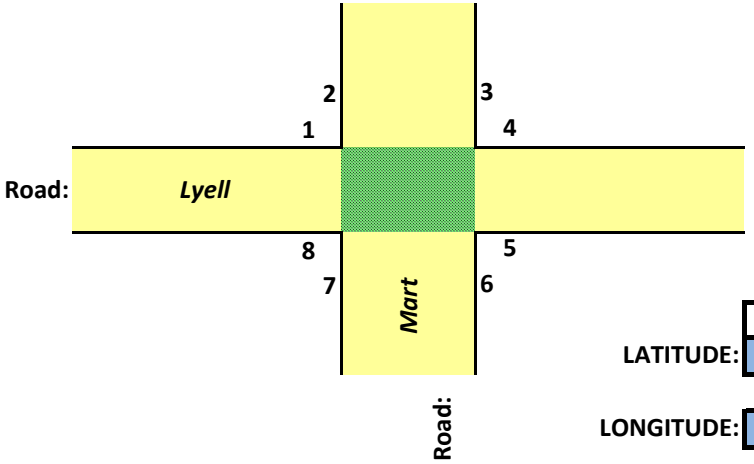
	Degrees		Minutes		Seconds		
LATITUDE:	4	3	0	9	5	2	NORTH
LONGITUDE:	7	7	3	8	4	0	WEST

		Curb Ramp Number																
		Ramp Field Measured Values																
Feature	**Criteria**	**1**		**2**		**3**		**4**		**5**		**6**		**7**		**8**		**Notes**
Ramp	Standard Sheet Type																	
	Running Slope (%)											9.1						
	Cross Slope (%)											10.4						
	Length (ft)											10.5						
	Width (ft)											4.75						
	Side Flare Slope (%)	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	
												9.8	7.9					
Turning Space (top of ramp)	Length (ft)											3						
	Width (ft)											5.08						
	Cross Slope (%)											3.5						
Detectable Warning	Dome Orientation											n/a						none
	Color											n/a						
	Length (ft)											n/a						
	Width (ft)											n/a						
	Condition											n/a						
Transition to Roadway	Vertical Difference (in)											0						
Clear Space (bottom of ramp)	Length (ft)											2						road
	Width (ft)											4.75						
	Cross Slope (%)											0.3						
	Counter Slope (%)											1.4						

NYSDOT - Region 4
Curb Ramp Inventory Form



Indicate North Direction



PIN:	
DATE:	12/18/2017
PREPARED BY:	JB

Identify curb ramp number and complete that column. For diagonal ramps merge the two fields, then complete the column.

	Degrees		Minutes		Seconds		
LATITUDE:	4	3	0	9	5	2	NORTH
LONGITUDE:	7	7	3	8	4	0	WEST

		Curb Ramp Number																
		Ramp Field Measured Values																
Feature	**Criteria**	**1**		**2**		**3**		**4**		**5**		**6**		**7**		**8**		**Notes**
Ramp	Standard Sheet Type																	
	Running Slope (%)													7				
	Cross Slope (%)													7.5				
	Length (ft)													7.83				
	Width (ft)													4.5				
	Side Flare Slope (%)	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	
														10.2	7.2			
Turning Space (top of ramp)	Length (ft)													4.5				
	Width (ft)													5				
	Cross Slope (%)													3.4				
Detectable Warning	Dome Orientation													n/a				none
	Color													n/a				
	Length (ft)													n/a				
	Width (ft)													n/a				
	Condition													n/a				
Transition to Roadway	Vertical Difference (in)													0				
Clear Space (bottom of ramp)	Length (ft)													2.5				road
	Width (ft)													4.5				
	Cross Slope (%)													0.9				
	Counter Slope (%)													2.5				

Lyell Ave & Warner St

NW Corner – CW 2

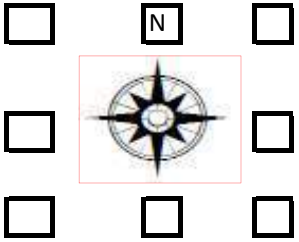
NE Corner – CW 3

Lyell Ave & Mart PL

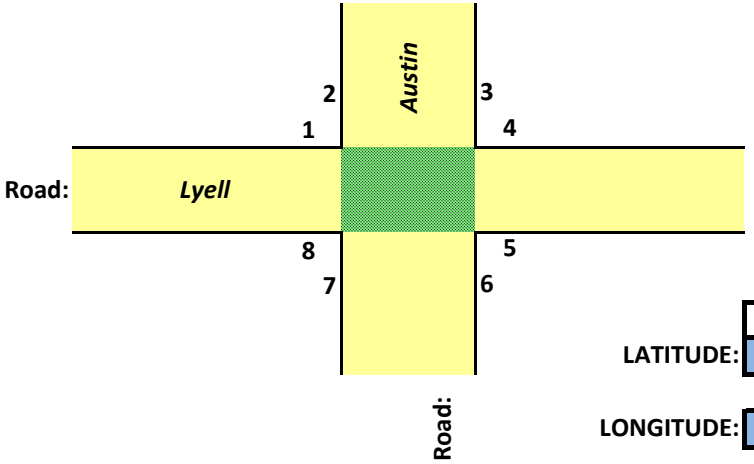
SE Corner – CW 6

SW Corner – CW 7

NYSDOT - Region 4
Curb Ramp Inventory Form



Indicate North Direction



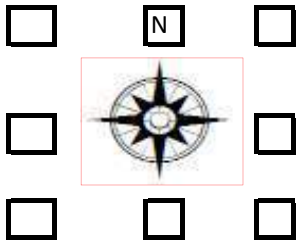
PIN:	
DATE:	12/13/2017
PREPARED BY:	JB

Identify curb ramp number and complete that column. For diagonal ramps merge the two fields, then complete the column.

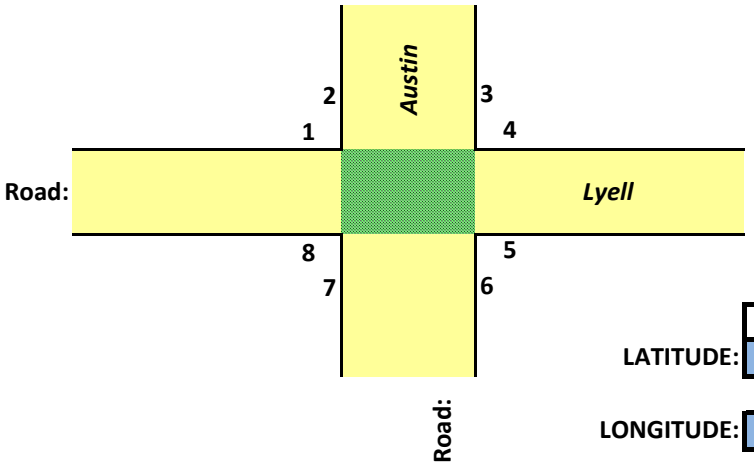
	Degrees		Minutes		Seconds		
LATITUDE:	4	3	0	9	5	3	NORTH
LONGITUDE:	7	7	3	8	3	6	WEST

		Curb Ramp Number																
		Ramp Field Measured Values																
Feature	**Criteria**	**1**		**2**		**3**		**4**		**5**		**6**		**7**		**8**		**Notes**
Ramp	Standard Sheet Type																	
	Running Slope (%)			10.4														
	Cross Slope (%)			5.9														
	Length (ft)			7														
	Width (ft)			7														
	Side Flare Slope (%)	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	
				17.8	17.2													
Turning Space (top of ramp)	Length (ft)			10.83														
	Width (ft)			5.08														
	Cross Slope (%)			3.1														
Detectable Warning	Dome Orientation			n/a														none
	Color			n/a														
	Length (ft)			n/a														
	Width (ft)			n/a														
	Condition			n/a														
Transition to Roadway	Vertical Difference (in)			0														
Clear Space (bottom of ramp)	Length (ft)			7														road
	Width (ft)			7														
	Cross Slope (%)			2.8														
	Counter Slope (%)			0.4														

NYSDOT - Region 4
Curb Ramp Inventory Form



Indicate North Direction



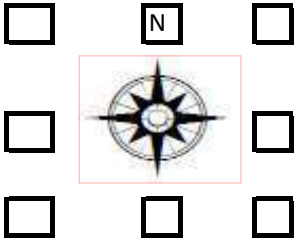
PIN:	
DATE:	12/13/2017
PREPARED BY:	JB

Identify curb ramp number and complete that column. For diagonal ramps merge the two fields, then complete the column.

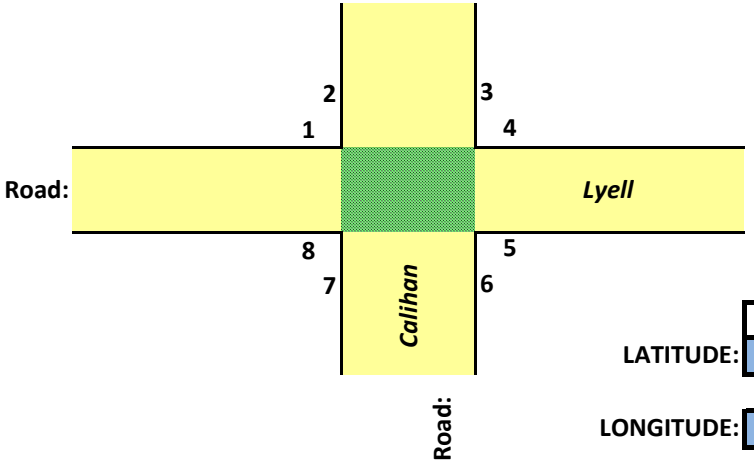
	Degrees		Minutes		Seconds		
LATITUDE:	4	3	0	9	5	3	NORTH
LONGITUDE:	7	7	3	8	3	6	WEST

		Curb Ramp Number																
		Ramp Field Measured Values																
Feature	**Criteria**	**1**		**2**		**3**		**4**		**5**		**6**		**7**		**8**		**Notes**
Ramp	Standard Sheet Type																	
	Running Slope (%)					11.9												
	Cross Slope (%)					9.5												
	Length (ft)					8.25												
	Width (ft)					6.75												
	Side Flare Slope (%)	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	
						15.4	19.7											
Turning Space (top of ramp)	Length (ft)					5.67												
	Width (ft)					5												
	Cross Slope (%)					1.8												
Detectable Warning	Dome Orientation					n/a												none
	Color					n/a												
	Length (ft)					n/a												
	Width (ft)					n/a												
	Condition					n/a												
Transition to Roadway	Vertical Difference (in)					0.5												
Clear Space (bottom of ramp)	Length (ft)					7.5												road
	Width (ft)					6.75												
	Cross Slope (%)					1.7												
	Counter Slope (%)					2.3												

NYSDOT - Region 4
Curb Ramp Inventory Form



Indicate North Direction



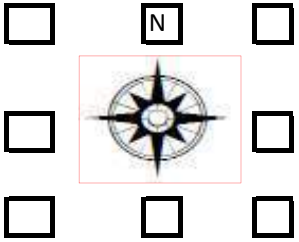
PIN:	
DATE:	12/13/2017
PREPARED BY:	JB

Identify curb ramp number and complete that column. For diagonal ramps merge the two fields, then complete the column.

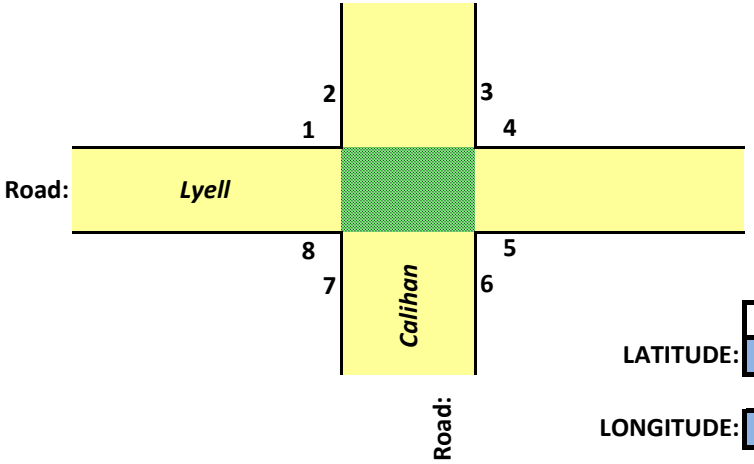
	Degrees		Minutes		Seconds		
LATITUDE:	4	3	0	9	5	2	NORTH
LONGITUDE:	7	7	3	8	3	6	WEST

		Curb Ramp Number																
		Ramp Field Measured Values																
Feature	**Criteria**	**1**		**2**		**3**		**4**		**5**		**6**		**7**		**8**		**Notes**
Ramp	Standard Sheet Type																	
	Running Slope (%)											8.9						
	Cross Slope (%)											6.5						
	Length (ft)											9.58						
	Width (ft)											6						
	Side Flare Slope (%)	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	
												9	9.2					
Turning Space (top of ramp)	Length (ft)											7						
	Width (ft)											5						
	Cross Slope (%)											1.9						
Detectable Warning	Dome Orientation											n/a						none
	Color											n/a						
	Length (ft)											n/a						
	Width (ft)											n/a						
	Condition											n/a						
Transition to Roadway	Vertical Difference (in)											-1						
Clear Space (bottom of ramp)	Length (ft)											6						road
	Width (ft)											6						
	Cross Slope (%)											0.4						
	Counter Slope (%)											4.1						

NYSDOT - Region 4
Curb Ramp Inventory Form



Indicate North Direction



PIN:	
DATE:	12/13/2017
PREPARED BY:	JB

Identify curb ramp number and complete that column. For diagonal ramps merge the two fields, then complete the column.

	Degrees		Minutes		Seconds		
LATITUDE:	4	3	0	9	5	2	NORTH
LONGITUDE:	7	7	3	8	3	6	WEST

		Curb Ramp Number																
		Ramp Field Measured Values																
Feature	**Criteria**	**1**		**2**		**3**		**4**		**5**		**6**		**7**		**8**		**Notes**
Ramp	Standard Sheet Type																	
	Running Slope (%)													8.3				
	Cross Slope (%)													6.8				
	Length (ft)													9.17				
	Width (ft)													6.25				
	Side Flare Slope (%)	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	
														7.2	7.9			
Turning Space (top of ramp)	Length (ft)													4.25				
	Width (ft)													5				
	Cross Slope (%)													3.2				
Detectable Warning	Dome Orientation													n/a				none
	Color													n/a				
	Length (ft)													n/a				
	Width (ft)													n/a				
	Condition													n/a				
Transition to Roadway	Vertical Difference (in)													0				
Clear Space (bottom of ramp)	Length (ft)													5				road
	Width (ft)													6.25				
	Cross Slope (%)													1.1				
	Counter Slope (%)													1.7				

Lyell Ave & Austin St / Calihan Park

NW Corner - CW 2

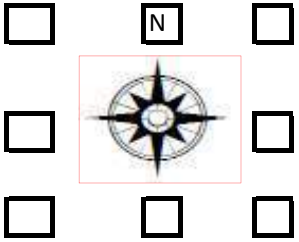
NE Corner – CW 3

Lyell Ave & Austin St / Calihan Park

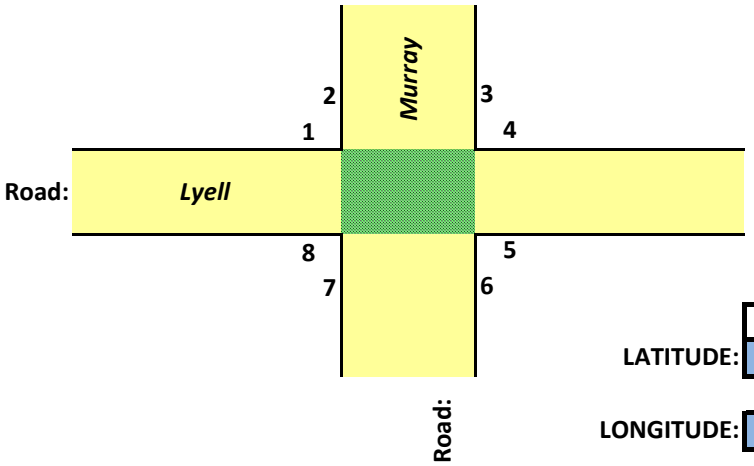
SE Corner – CW 6

SW Corner – CW 7

NYSDOT - Region 4
Curb Ramp Inventory Form



Indicate North Direction



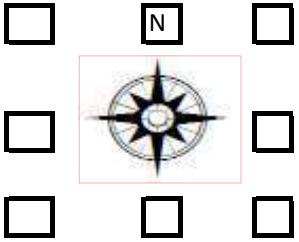
PIN:	
DATE:	12/13/2017
PREPARED BY:	JB

Identify curb ramp number and complete that column. For diagonal ramps merge the two fields, then complete the column.

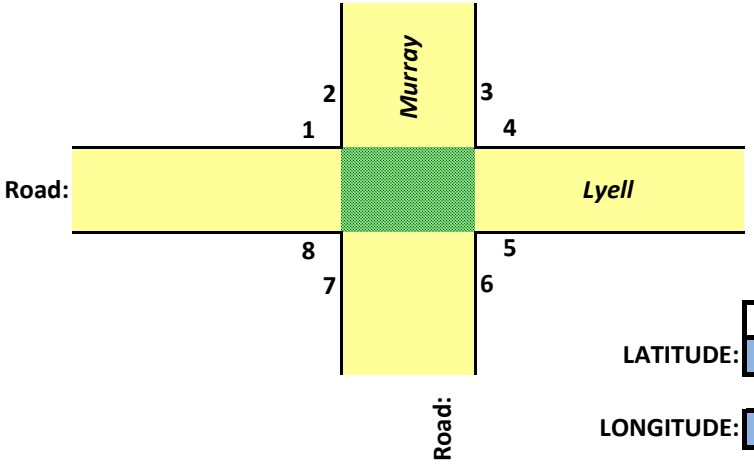
	Degrees		Minutes		Seconds		
LATITUDE:	4	3	0	9	5	3	NORTH
LONGITUDE:	7	7	3	8	3	2	WEST

		Curb Ramp Number																
		Ramp Field Measured Values																
Feature	**Criteria**	**1**				**3**		**4**		**5**		**6**		**7**		**8**		**Notes**
Ramp	Standard Sheet Type																	
	Running Slope (%)	9.6																
	Cross Slope (%)	5																
	Length (ft)	4.25																
	Width (ft)	5																
	Side Flare Slope (%)	*LT*			*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	
		5.2			4.7													
Turning Space (top of ramp)	Length (ft)	n/a																bldg
	Width (ft)	n/a																
	Cross Slope (%)	n/a																
Detectable Warning	Dome Orientation	n/a																none
	Color	n/a																
	Length (ft)	n/a																
	Width (ft)	n/a																
	Condition	n/a																
Transition to Roadway	Vertical Difference (in)	0																
Clear Space (bottom of ramp)	Length (ft)	4.17																road
	Width (ft)	5																
	Cross Slope (%)	2.4																
	Counter Slope (%)	2.7																

NYSDOT - Region 4
Curb Ramp Inventory Form



Indicate North Direction



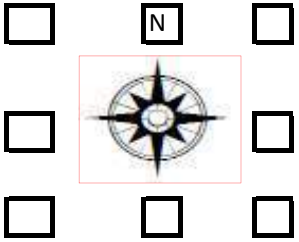
PIN:	
DATE:	12/13/2017
PREPARED BY:	JB

Identify curb ramp number and complete that column. For diagonal ramps merge the two fields, then complete the column.

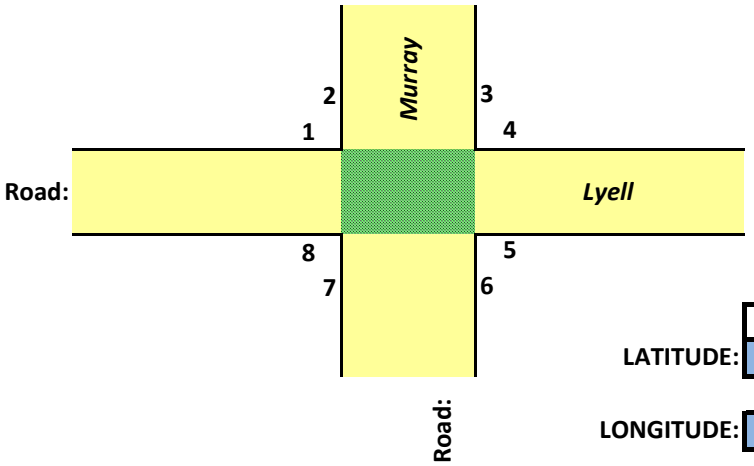
	Degrees		Minutes		Seconds		
LATITUDE:	4	3	0	9	5	3	NORTH
LONGITUDE:	7	7	3	8	3	2	WEST

		Curb Ramp Number																
		Ramp Field Measured Values																
Feature	**Criteria**	**1**		**2**		**3**				**5**		**6**		**7**		**8**		**Notes**
Ramp	Standard Sheet Type																	
	Running Slope (%)					12.8												
	Cross Slope (%)					1.4												
	Length (ft)					6												
	Width (ft)					4.25												
	Side Flare Slope (%)	*LT*	*RT*	*LT*	*RT*	*LT*			*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	
						10.8			17.9									
Turning Space (top of ramp)	Length (ft)					n/a												bldg
	Width (ft)					n/a												
	Cross Slope (%)					n/a												
Detectable Warning	Dome Orientation					n/a												none
	Color					n/a												
	Length (ft)					n/a												
	Width (ft)					n/a												
	Condition					n/a												
Transition to Roadway	Vertical Difference (in)					0												
Clear Space (bottom of ramp)	Length (ft)					0												road
	Width (ft)					0												
	Cross Slope (%)					1.6												
	Counter Slope (%)					3.7												

NYSDOT - Region 4
Curb Ramp Inventory Form



Indicate North Direction



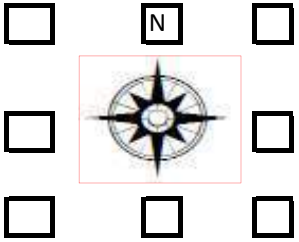
PIN:	
DATE:	12/13/2017
PREPARED BY:	JB

Identify curb ramp number and complete that column. For diagonal ramps merge the two fields, then complete the column.

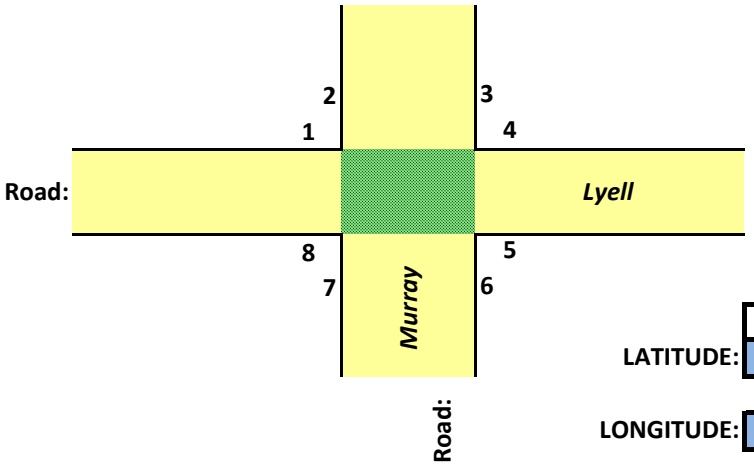
	Degrees		Minutes		Seconds		
LATITUDE:	4	3	0	9	5	3	NORTH
LONGITUDE:	7	7	3	8	3	2	WEST

		Curb Ramp Number																
		Ramp Field Measured Values																
Feature	**Criteria**	**1**		**2**		**3**		**4**		**5**		**6**		**7**		**8**		**Notes**
Ramp	Standard Sheet Type																	
	Running Slope (%)							7.8										
	Cross Slope (%)							0.8										
	Length (ft)							8.5										
	Width (ft)							4										
	Side Flare Slope (%)	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	
								15.7	16.6									
Turning Space (top of ramp)	Length (ft)							n/a										bldg
	Width (ft)							n/a										
	Cross Slope (%)							n/a										
Detectable Warning	Dome Orientation							n/a										none
	Color							n/a										
	Length (ft)							n/a										
	Width (ft)							n/a										
	Condition							n/a										
Transition to Roadway	Vertical Difference (in)							0.25										
Clear Space (bottom of ramp)	Length (ft)							12										
	Width (ft)							4										
	Cross Slope (%)							0.1										
	Counter Slope (%)							2										

NYSDOT - Region 4
Curb Ramp Inventory Form



Indicate North Direction



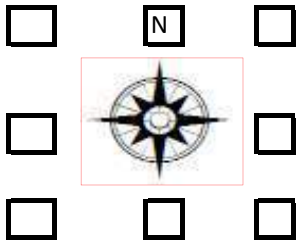
PIN:	
DATE:	12/13/2017
PREPARED BY:	JB

Identify curb ramp number and complete that column. For diagonal ramps merge the two fields, then complete the column.

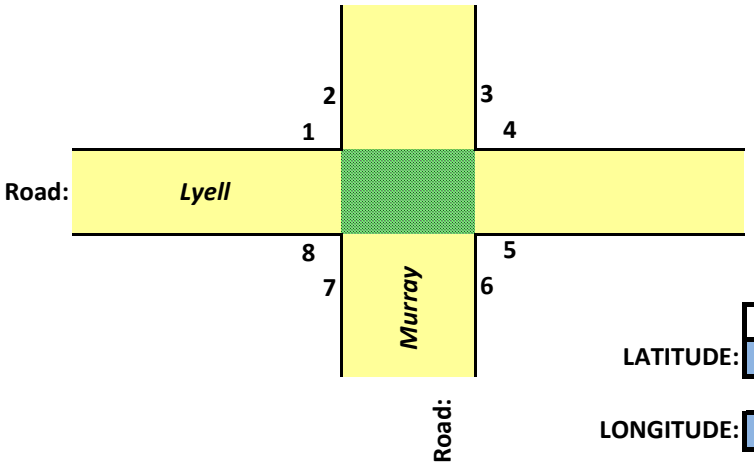
	Degrees		Minutes		Seconds		
LATITUDE:	4	3	0	9	5	2	NORTH
LONGITUDE:	7	7	3	8	3	2	WEST

		Curb Ramp Number																
		Ramp Field Measured Values																
Feature	**Criteria**	**1**		**2**		**3**		**4**		**5**				**7**		**8**		**Notes**
Ramp	Standard Sheet Type																	
	Running Slope (%)									8								
	Cross Slope (%)									2.3								
	Length (ft)									9.5								
	Width (ft)									7								
	Side Flare Slope (%)	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*			*RT*	*LT*	*RT*	*LT*	*RT*	
										8.4			9.2					
Turning Space (top of ramp)	Length (ft)									4								
	Width (ft)									7								
	Cross Slope (%)									1.3								
Detectable Warning	Dome Orientation									n/a								none
	Color									n/a								
	Length (ft)									n/a								
	Width (ft)									n/a								
	Condition									n/a								
Transition to Roadway	Vertical Difference (in)									0								
Clear Space (bottom of ramp)	Length (ft)									4								road
	Width (ft)									7								
	Cross Slope (%)									1.2								
	Counter Slope (%)									2								

NYSDOT - Region 4
Curb Ramp Inventory Form



Indicate North Direction



PIN:	
DATE:	12/13/2017
PREPARED BY:	JB

Identify curb ramp number and complete that column. For diagonal ramps merge the two fields, then complete the column.

	Degrees		Minutes		Seconds		
LATITUDE:	4	3	0	9	5	2	NORTH
LONGITUDE:	7	7	3	8	3	2	WEST

		Curb Ramp Number																
		Ramp Field Measured Values																
Feature	**Criteria**	**1**		**2**		**3**		**4**		**5**		**6**		**7**				**Notes**
Ramp	Standard Sheet Type																	
	Running Slope (%)													5.9				
	Cross Slope (%)													6				
	Length (ft)													10.5				
	Width (ft)													7.5				
	Side Flare Slope (%)	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*			*RT*	
														n/a			5.5	tree lawn lt side
Turning Space (top of ramp)	Length (ft)													7.83				
	Width (ft)													5				
	Cross Slope (%)													3				
Detectable Warning	Dome Orientation													n/a				none
	Color													n/a				
	Length (ft)													n/a				
	Width (ft)													n/a				
	Condition													n/a				
Transition to Roadway	Vertical Difference (in)													0				
Clear Space (bottom of ramp)	Length (ft)													5.83				
	Width (ft)													7.5				
	Cross Slope (%)													0.9				
	Counter Slope (%)													0.8				

Lyell Ave & Murray St

NW Corner – CW 1

NE Corner – CW 3

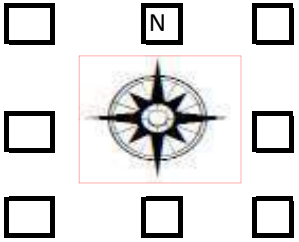
NE Corner – CW 4

Lyell Ave & Murray St

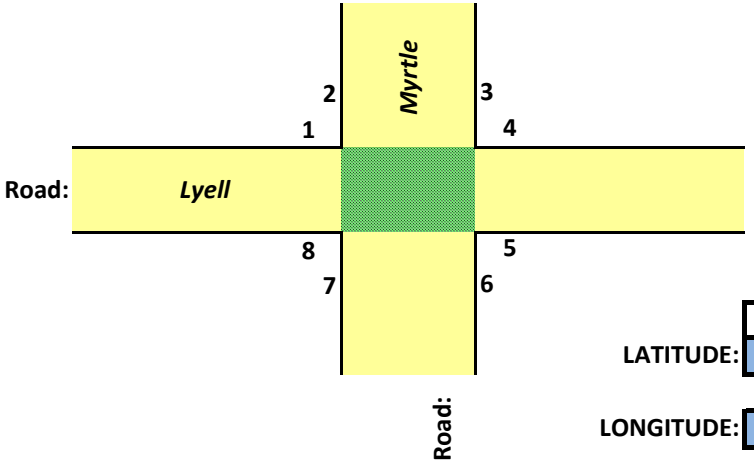
SE Corner – CW 5

SW Corner – CW 7

NYSDOT - Region 4
Curb Ramp Inventory Form



Indicate North Direction



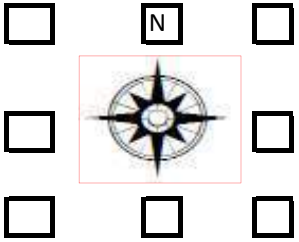
PIN:	
DATE:	12/13/2017
PREPARED BY:	JB

Identify curb ramp number and complete that column. For diagonal ramps merge the two fields, then complete the column.

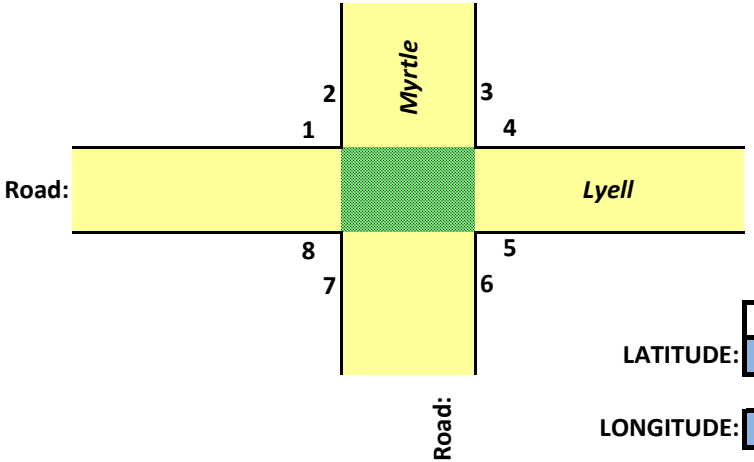
	Degrees		Minutes		Seconds		
LATITUDE:	4	3	0	9	5	3	NORTH
LONGITUDE:	7	7	3	8	2	9	WEST

		Curb Ramp Number																
		Ramp Field Measured Values																
Feature	**Criteria**	**1**		**2**		**3**		**4**		**5**		**6**		**7**		**8**		**Notes**
Ramp	Standard Sheet Type																	
	Running Slope (%)			14.3														
	Cross Slope (%)			10.1														
	Length (ft)			7.25														
	Width (ft)			4.42														
	Side Flare Slope (%)	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	
				6.7	8.5													
Turning Space (top of ramp)	Length (ft)			7														
	Width (ft)			3.5														
	Cross Slope (%)			5.8														
Detectable Warning	Dome Orientation			n/a														none
	Color			n/a														
	Length (ft)			n/a														
	Width (ft)			n/a														
	Condition			n/a														
Transition to Roadway	Vertical Difference (in)			0														
Clear Space (bottom of ramp)	Length (ft)			4														road
	Width (ft)			4.42														
	Cross Slope (%)			1.4														
	Counter Slope (%)			2.6														

NYSDOT - Region 4
Curb Ramp Inventory Form



Indicate North Direction



PIN:	
DATE:	12/13/2017
PREPARED BY:	JB

Identify curb ramp number and complete that column. For diagonal ramps merge the two fields, then complete the column.

	Degrees		Minutes		Seconds		
LATITUDE:	4	3	0	9	5	3	NORTH
LONGITUDE:	7	7	3	8	2	9	WEST

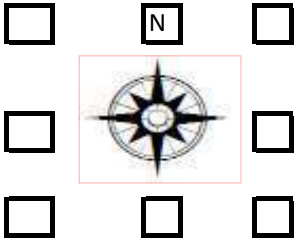
		Curb Ramp Number																
		Ramp Field Measured Values																
Feature	**Criteria**	**1**		**2**		**3**		**4**		**5**		**6**		**7**		**8**		**Notes**
Ramp	Standard Sheet Type																	
	Running Slope (%)					8												
	Cross Slope (%)					4.6												
	Length (ft)					8												
	Width (ft)					6.83												
	Side Flare Slope (%)	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	
						7.1	5.9											
Turning Space (top of ramp)	Length (ft)					5.42												
	Width (ft)					7.5												
	Cross Slope (%)					3.9												
Detectable Warning	Dome Orientation					n/a												none
	Color					n/a												
	Length (ft)					n/a												
	Width (ft)					n/a												
	Condition					n/a												
Transition to Roadway	Vertical Difference (in)					0												
Clear Space (bottom of ramp)	Length (ft)					4.5												road
	Width (ft)					6.83												
	Cross Slope (%)					0.2												
	Counter Slope (%)					3.1												

Lyell Ave & Myrtle St

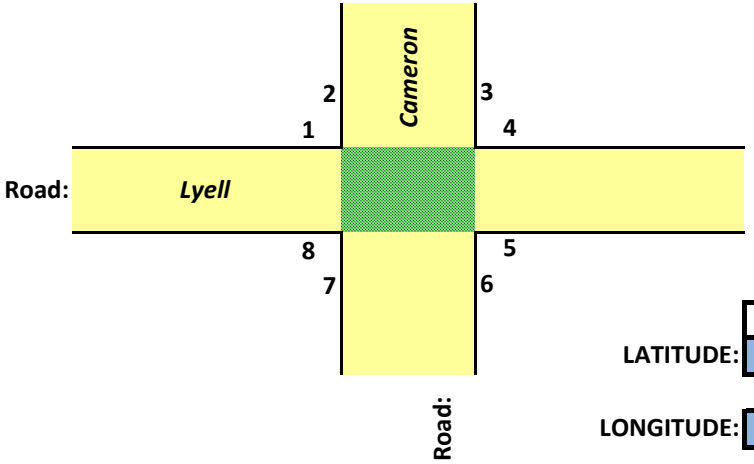
NW Corner – CW 2

NE Corner – CW 3

NYSDOT - Region 4
Curb Ramp Inventory Form



Indicate North Direction



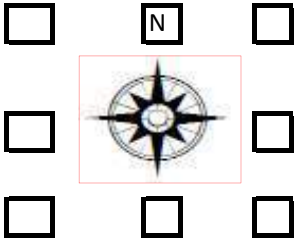
PIN:	
DATE:	12/13/2017
PREPARED BY:	JB

Identify curb ramp number and complete that column. For diagonal ramps merge the two fields, then complete the column.

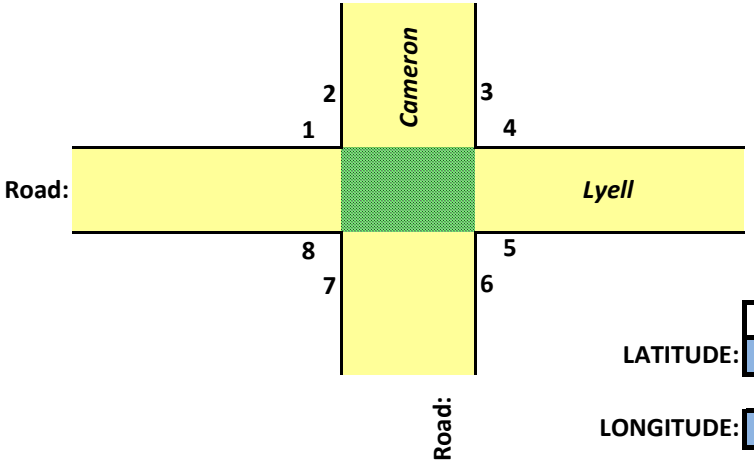
	Degrees		Minutes		Seconds		
LATITUDE:	4	3	0	9	5	3	NORTH
LONGITUDE:	7	7	3	8	2	3	WEST

		Curb Ramp Number																
		Ramp Field Measured Values																
Feature	**Criteria**	**1**		**2**		**3**		**4**		**5**		**6**		**7**		**8**		**Notes**
Ramp	Standard Sheet Type																	
	Running Slope (%)			9.3														
	Cross Slope (%)			2.4														
	Length (ft)			9.1														
	Width (ft)			6.5														
	Side Flare Slope (%)	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	
				9.9	n/a													tree lawn RT
Turning Space (top of ramp)	Length (ft)			5														
	Width (ft)			4														
	Cross Slope (%)			1.1														
Detectable Warning	Dome Orientation			n/a														none
	Color			n/a														
	Length (ft)			n/a														
	Width (ft)			n/a														
	Condition			n/a														
Transition to Roadway	Vertical Difference (in)			0														
Clear Space (bottom of ramp)	Length (ft)			3.75														road
	Width (ft)			6.5														
	Cross Slope (%)			2.4														
	Counter Slope (%)			1.6														

NYSDOT - Region 4
Curb Ramp Inventory Form



Indicate North Direction



PIN:	
DATE:	12/13/2017
PREPARED BY:	JB

Identify curb ramp number and complete that column. For diagonal ramps merge the two fields, then complete the column.

	Degrees		Minutes		Seconds		
LATITUDE:	4	3	0	9	5	3	NORTH
LONGITUDE:	7	7	3	8	2	2	WEST

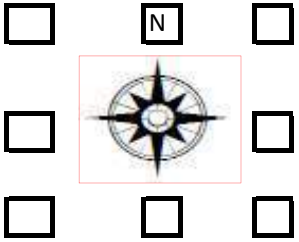
		Curb Ramp Number																
		Ramp Field Measured Values																
Feature	**Criteria**	**1**		**2**		**3**		**4**		**5**		**6**		**7**		**8**		**Notes**
Ramp	Standard Sheet Type																	
	Running Slope (%)					12.3												
	Cross Slope (%)					8.4												
	Length (ft)					8.25												
	Width (ft)					9												
	Side Flare Slope (%)	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	
						8.9	7.4											
Turning Space (top of ramp)	Length (ft)					6												
	Width (ft)					4.83												
	Cross Slope (%)					3												
Detectable Warning	Dome Orientation					n/a												none
	Color					n/a												
	Length (ft)					n/a												
	Width (ft)					n/a												
	Condition					n/a												
Transition to Roadway	Vertical Difference (in)					0												
Clear Space (bottom of ramp)	Length (ft)					5												road
	Width (ft)					9												
	Cross Slope (%)					3.6												
	Counter Slope (%)					3.3												

Lyell Ave & Cameron St

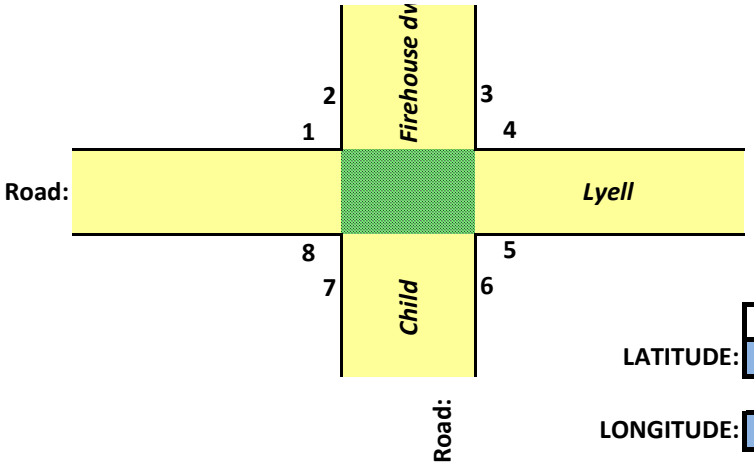
NW Corner – CW 2

NE Corner - CW 3

NYSDOT - Region 4
Curb Ramp Inventory Form



Indicate North Direction



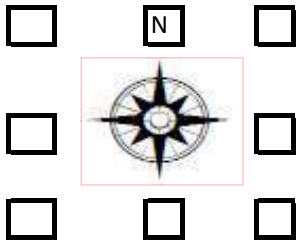
PIN:	
DATE:	12/13/2017
PREPARED BY:	JB

Identify curb ramp number and complete that column. For diagonal ramps merge the two fields, then complete the column.

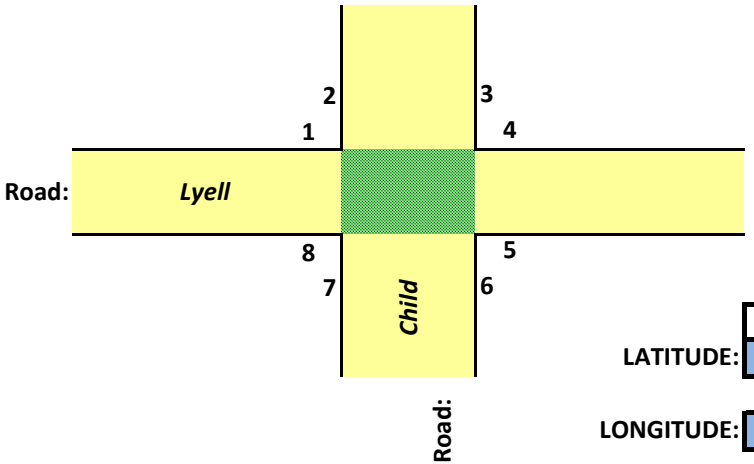
	Degrees		Minutes		Seconds		
LATITUDE:	4	3	0	9	5	3	NORTH
LONGITUDE:	7	7	3	8	2	0	WEST

		Curb Ramp Number																
		Ramp Field Measured Values																
Feature	**Criteria**	**1**		**2**		**3**		**4**		**5**		**6**		**7**		**8**		**Notes**
Ramp	Standard Sheet Type																	
	Running Slope (%)																	Non ADA ramp in dwy
	Cross Slope (%)																	
	Length (ft)																	
	Width (ft)																	
	Side Flare Slope (%)	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	
Turning Space (top of ramp)	Length (ft)																	
	Width (ft)																	
	Cross Slope (%)																	
Detectable Warning	Dome Orientation																	
	Color																	
	Length (ft)																	
	Width (ft)																	
	Condition																	
Transition to Roadway	Vertical Difference (in)																	
Clear Space (bottom of ramp)	Length (ft)																	
	Width (ft)																	
	Cross Slope (%)																	
	Counter Slope (%)																	

NYSDOT - Region 4
Curb Ramp Inventory Form



Indicate North Direction



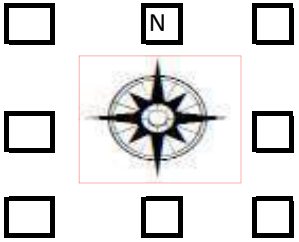
PIN:	
DATE:	12/13/2017
PREPARED BY:	JB

Identify curb ramp number and complete that column. For diagonal ramps merge the two fields, then complete the column.

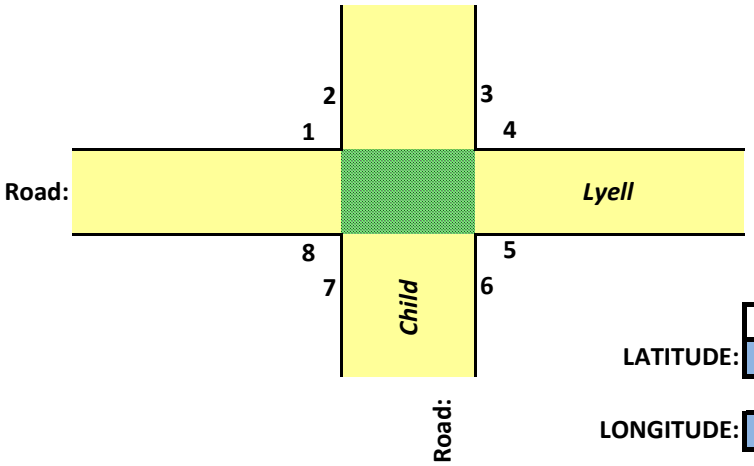
	Degrees		Minutes		Seconds		
LATITUDE:	4	3	0	9	5	3	NORTH
LONGITUDE:	7	7	3	8	2	0	WEST

		Curb Ramp Number																
		Ramp Field Measured Values																
Feature	**Criteria**	**1**		**2**		**3**		**4**		**5**		**6**		**7**		**8**		**Notes**
Ramp	Standard Sheet Type																	
	Running Slope (%)	5.6																
	Cross Slope (%)	1.6																
	Length (ft)	8.67																
	Width (ft)	5.17																
	Side Flare Slope (%)	***LT***	***RT***	***LT***	***RT***	***LT***	***RT***	***LT***	***RT***	***LT***	***RT***	***LT***	***RT***	***LT***	***RT***	***LT***	***RT***	
		15.6	16.2															Walking Surfaces- Out of Spec
Turning Space (top of ramp)	Length (ft)	n/a																firehouse lawn
	Width (ft)	n/a																
	Cross Slope (%)	n/a																
Detectable Warning	Dome Orientation	n/a																none
	Color	n/a																
	Length (ft)	n/a																
	Width (ft)	n/a																
	Condition	n/a																
Transition to Roadway	Vertical Difference (in)	0																
Clear Space (bottom of ramp)	Length (ft)	0																road
	Width (ft)	0																
	Cross Slope (%)	1.3																
	Counter Slope (%)	0.4																

NYSDOT - Region 4
Curb Ramp Inventory Form



Indicate North Direction



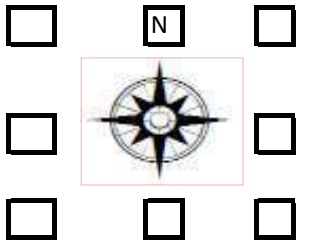
PIN:	
DATE:	12/13/2017
PREPARED BY:	JB

Identify curb ramp number and complete that column. For diagonal ramps merge the two fields, then complete the column.

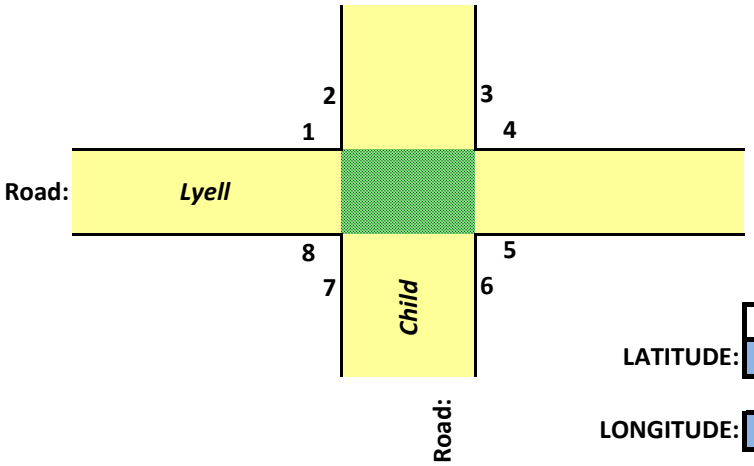
	Degrees		Minutes		Seconds		
LATITUDE:	4	3	0	9	5	2	NORTH
LONGITUDE:	7	7	3	8	2	0	WEST

		Curb Ramp Number																
		Ramp Field Measured Values																
Feature	**Criteria**	**1**		**2**		**3**		**4**		**5**				**7**		**8**		**Notes**
Ramp	Standard Sheet Type																	
	Running Slope (%)									12.8								
	Cross Slope (%)									3.9								
	Length (ft)									8.25								
	Width (ft)									5								
	Side Flare Slope (%)	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*			*RT*	*LT*	*RT*	*LT*	*RT*	
										13.2			15.8					
Turning Space (top of ramp)	Length (ft)									5								
	Width (ft)									6.17								
	Cross Slope (%)									4.8								
Detectable Warning	Dome Orientation									n/a								none
	Color									n/a								
	Length (ft)									n/a								
	Width (ft)									n/a								
	Condition									n/a								
Transition to Roadway	Vertical Difference (in)									0								
Clear Space (bottom of ramp)	Length (ft)									6								road
	Width (ft)									5								
	Cross Slope (%)									3								
	Counter Slope (%)									0.6								

NYSDOT - Region 4
Curb Ramp Inventory Form



Indicate North Direction



PIN:	
DATE:	12/13/2017
PREPARED BY:	JB

Identify curb ramp number and complete that column. For diagonal ramps merge the two fields, then complete the column.

	Degrees		Minutes		Seconds		
LATITUDE:	4	3	0	9	5	2	NORTH
LONGITUDE:	7	7	3	8	2	0	WEST

		Curb Ramp Number																
		Ramp Field Measured Values																
Feature	**Criteria**	**1**		**2**		**3**		**4**		**5**		**6**		**7**				**Notes**
Ramp	Standard Sheet Type																	
	Running Slope (%)													13.3				
	Cross Slope (%)													0.5				
	Length (ft)													7				
	Width (ft)													4				
	Side Flare Slope (%)	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*			*RT*	
														12.5			9.5	
Turning Space (top of ramp)	Length (ft)													4				
	Width (ft)													5				
	Cross Slope (%)													4				
Detectable Warning	Dome Orientation													n/a				none
	Color													n/a				
	Length (ft)													n/a				
	Width (ft)													n/a				
	Condition													n/a				
Transition to Roadway	Vertical Difference (in)													0.5				
Clear Space (bottom of ramp)	Length (ft)													5				road
	Width (ft)													4				
	Cross Slope (%)													3				
	Counter Slope (%)													1.3				

Lyell Ave & Child St

NE Corner Lyell Firehouse Dwy

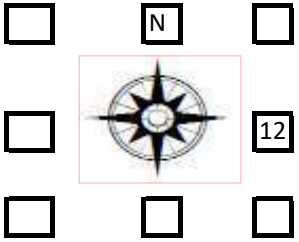
NW Corner – CW 1

Lyell Ave & Child St

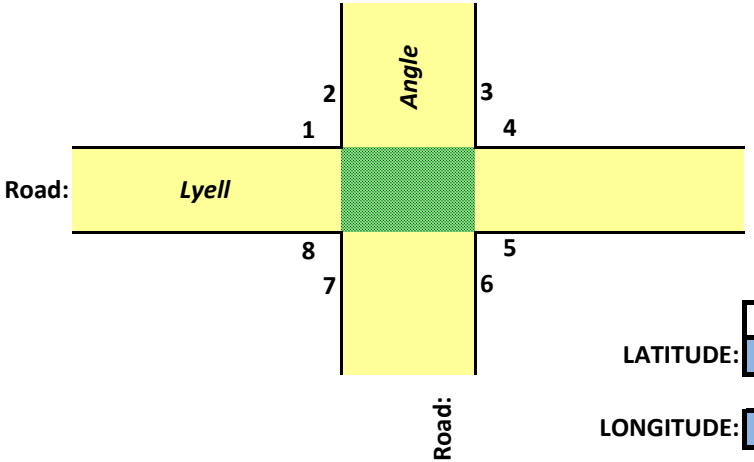
SE Corner – CW 5

SW Corner – CW 7

NYSDOT - Region 4
Curb Ramp Inventory Form



Indicate North Direction



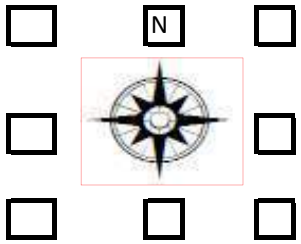
PIN:	
DATE:	12/13/2017
PREPARED BY:	JB

Identify curb ramp number and complete that column. For diagonal ramps merge the two fields, then complete the column.

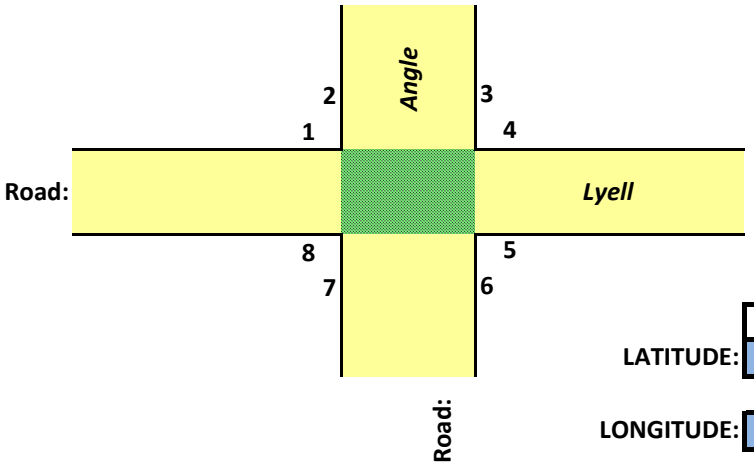
	Degrees		Minutes		Seconds		
LATITUDE:	4	3	0	9	5	3	NORTH
LONGITUDE:	7	7	3	8	1	7	WEST

		Curb Ramp Number																
		Ramp Field Measured Values																
Feature	**Criteria**	**1**		**2**		**3**		**4**		**5**		**6**		**7**		**8**		**Notes**
Ramp	Standard Sheet Type																	
	Running Slope (%)			5.8														
	Cross Slope (%)			3.8														
	Length (ft)			6.83														
	Width (ft)			4.67														
	Side Flare Slope (%)	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	
				6.4	7													
Turning Space (top of ramp)	Length (ft)			8														
	Width (ft)			7.67														
	Cross Slope (%)			1.4														
Detectable Warning	Dome Orientation			perp														
	Color			grey														
	Length (ft)			2														
	Width (ft)			4.75														
	Condition			fair														partially sunken brick
Transition to Roadway	Vertical Difference (in)			0														
Clear Space (bottom of ramp)	Length (ft)			2.33														road
	Width (ft)			5														
	Cross Slope (%)			1														
	Counter Slope (%)			2.2														

NYSDOT - Region 4
Curb Ramp Inventory Form



Indicate North Direction



PIN:	
DATE:	12/13/2017
PREPARED BY:	JB

Identify curb ramp number and complete that column. For diagonal ramps merge the two fields, then complete the column.

	Degrees		Minutes		Seconds		
LATITUDE:	4	3	0	9	5	3	NORTH
LONGITUDE:	7	7	3	8	1	6	WEST

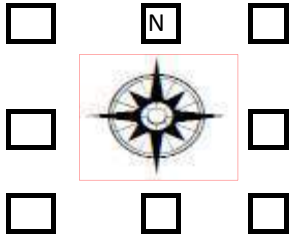
		Curb Ramp Number																
		Ramp Field Measured Values																
Feature	**Criteria**	**1**		**2**		**3**		**4**		**5**		**6**		**7**		**8**		**Notes**
Ramp	Standard Sheet Type																	
	Running Slope (%)					3.4												
	Cross Slope (%)					2.4												
	Length (ft)					8.25												
	Width (ft)					4.75												
	Side Flare Slope (%)	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	
						10.8	7											
Turning Space (top of ramp)	Length (ft)					9.25												
	Width (ft)					7.75												
	Cross Slope (%)					1.9												
Detectable Warning	Dome Orientation					perp												
	Color					grey												
	Length (ft)					2												
	Width (ft)					4.75												
	Condition					good												partially sunken brick
Transition to Roadway	Vertical Difference (in)					0												
Clear Space (bottom of ramp)	Length (ft)					5												road
	Width (ft)					4.33												
	Cross Slope (%)					1.4												
	Counter Slope (%)					1.2												

Lyell Ave & Angle St

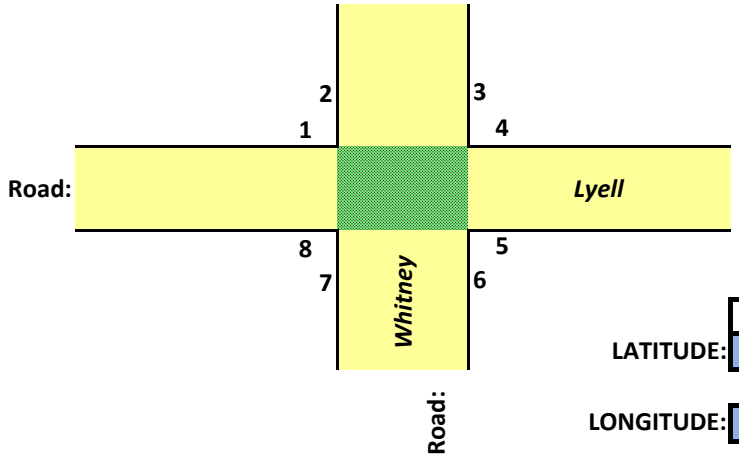
NW Corner – CW 2

NE Corner - CW 3

NYSDOT - Region 4
Curb Ramp Inventory Form



Indicate North Direction



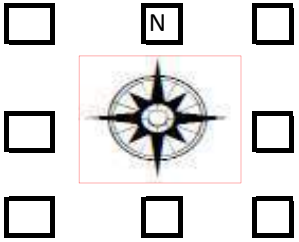
PIN:	
DATE:	12/13/2017
PREPARED BY:	JB

Identify curb ramp number and complete that column. For diagonal ramps merge the two fields, then complete the column.

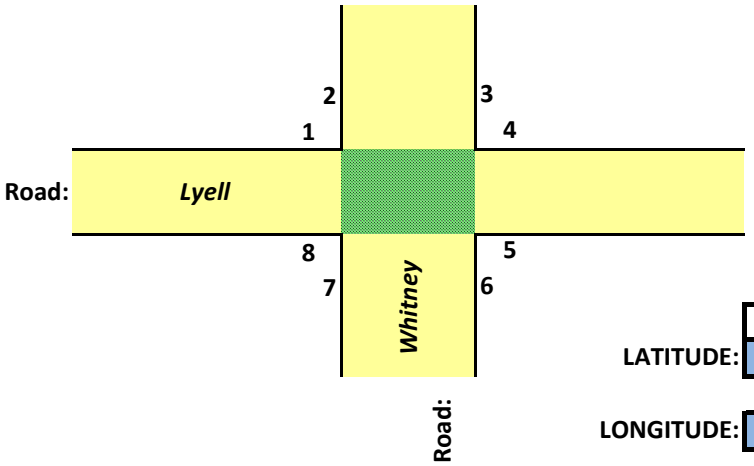
	Degrees		Minutes		Seconds		
LATITUDE:	4	3	0	9	5	2	NORTH
LONGITUDE:	7	7	3	8	1	2	WEST

		Curb Ramp Number																
		Ramp Field Measured Values																
Feature	**Criteria**	**1**		**2**		**3**		**4**		**5**		**6**		**7**		**8**		**Notes**
Ramp	Standard Sheet Type																	
	Running Slope (%)											12.1						
	Cross Slope (%)											3.1						
	Length (ft)											6.83						
	Width (ft)											5						
	Side Flare Slope (%)	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	
												7.1	7.2					
Turning Space (top of ramp)	Length (ft)											LT 5.5 RT 4.83						2 clear spaces
	Width (ft)											7.5, 10.42						
	Cross Slope (%)											6.2, 3						
Detectable Warning	Dome Orientation											n/a						none
	Color											n/a						
	Length (ft)											n/a						
	Width (ft)											n/a						
	Condition											n/a						
Transition to Roadway	Vertical Difference (in)											0						
Clear Space (bottom of ramp)	Length (ft)											4						
	Width (ft)											5						
	Cross Slope (%)											0.5						
	Counter Slope (%)											2.3						

NYSDOT - Region 4
Curb Ramp Inventory Form



Indicate North Direction



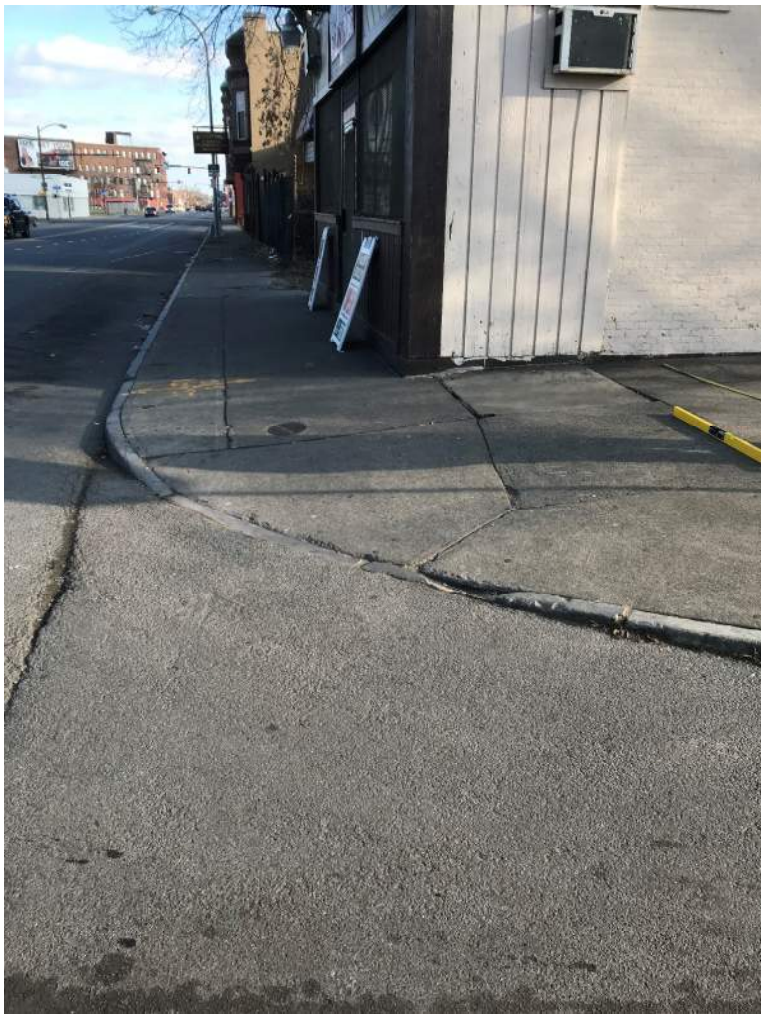
PIN:	
DATE:	12/13/2017
PREPARED BY:	JB

Identify curb ramp number and complete that column. For diagonal ramps merge the two fields, then complete the column.

	Degrees		Minutes		Seconds		
LATITUDE:	4	3	0	9	5	2	NORTH
LONGITUDE:	7	7	3	8	1	2	WEST

		Curb Ramp Number																
		Ramp Field Measured Values																
Feature	**Criteria**	**1**		**2**		**3**		**4**		**5**		**6**		**7**		**8**		**Notes**
Ramp	Standard Sheet Type																	
	Running Slope (%)													12.1				
	Cross Slope (%)													0.5				
	Length (ft)													8.17				
	Width (ft)													5.33				
	Side Flare Slope (%)	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	
														5.2	7.7			
Turning Space (top of ramp)	Length (ft)													5.42				
	Width (ft)													7.67				
	Cross Slope (%)													3.5				
Detectable Warning	Dome Orientation													n/a				none
	Color													n/a				
	Length (ft)													n/a				
	Width (ft)													n/a				
	Condition													n/a				
Transition to Roadway	Vertical Difference (in)													0				
Clear Space (bottom of ramp)	Length (ft)													5				
	Width (ft)													5.37				
	Cross Slope (%)													0.6				
	Counter Slope (%)													1.2				

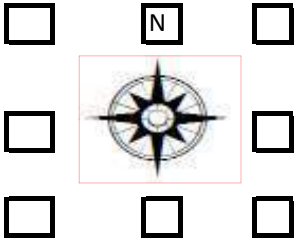
Lyell Ave & Whitney St



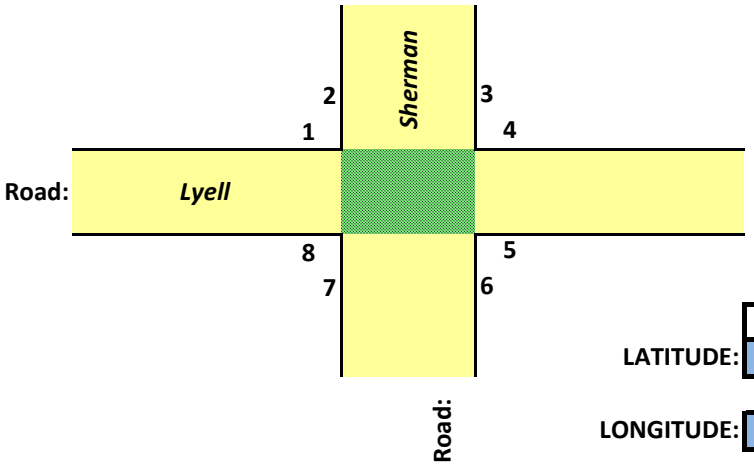
SE Corner – CW 6

SW Corner – CW 7

NYSDOT - Region 4
Curb Ramp Inventory Form



Indicate North Direction



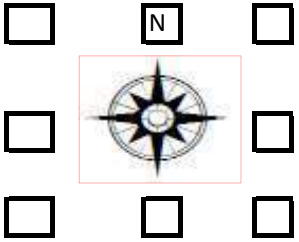
PIN:	
DATE:	12/13/2017
PREPARED BY:	JB

Identify curb ramp number and complete that column. For diagonal ramps merge the two fields, then complete the column.

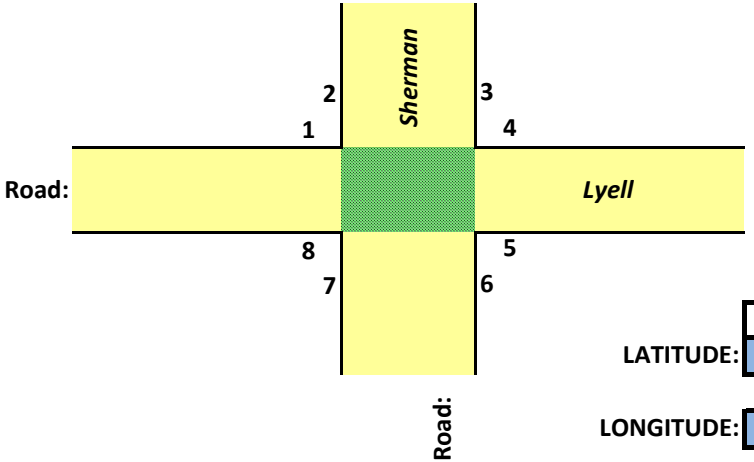
	Degrees		Minutes		Seconds		
LATITUDE:	4	3	0	9	5	3	NORTH
LONGITUDE:	7	7	3	8	0	8	WEST

		Curb Ramp Number														
		Ramp Field Measured Values														
Feature	**Criteria**	**1**		**3**		**4**		**5**		**6**		**7**		**8**		**Notes**
Ramp	Standard Sheet Type															
	Running Slope (%)	8														
	Cross Slope (%)	2.1														
	Length (ft)	8														
	Width (ft)	5														
	Side Flare Slope (%)	***LT***	***RT***	***LT***	***RT***	***LT***	***RT***	***LT***	***RT***	***LT***	***RT***	***LT***	***RT***	***LT***	***RT***	
		12.7	8.6													
Turning Space (top of ramp)	Length (ft)	LT 4.33, RT 6														2 clear spaces
	Width (ft)	10, 6														
	Cross Slope (%)	1.7, 3.1														
Detectable Warning	Dome Orientation	n/a														none
	Color	n/a														
	Length (ft)	n/a														
	Width (ft)	n/a														
	Condition	n/a														
Transition to Roadway	Vertical Difference (in)	0														
Clear Space (bottom of ramp)	Length (ft)	7														
	Width (ft)	5														
	Cross Slope (%)	0.1														
	Counter Slope (%)	0.6														

NYSDOT - Region 4
Curb Ramp Inventory Form



Indicate North Direction



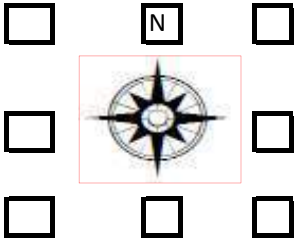
PIN:	
DATE:	12/12/2017
PREPARED BY:	JB

Identify curb ramp number and complete that column. For diagonal ramps merge the two fields, then complete the column.

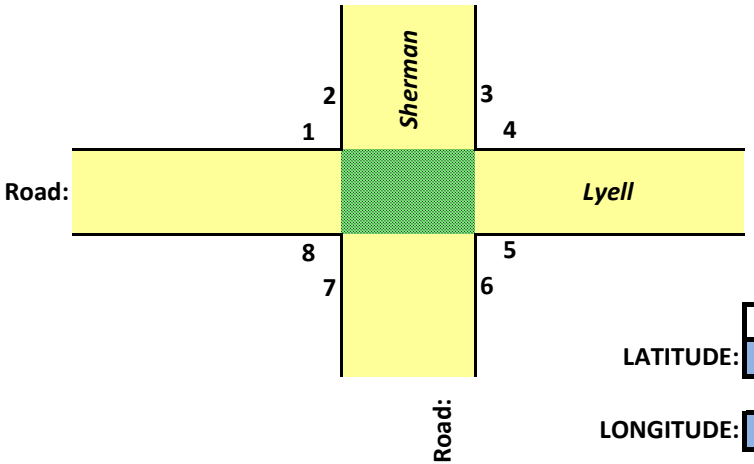
	Degrees		Minutes		Seconds		
LATITUDE:	4	3	0	9	5	3	NORTH
LONGITUDE:	7	7	3	8	0	7	WEST

		Curb Ramp Number														
		Ramp Field Measured Values														
Feature	**Criteria**	**1**		**2**		**3**		**5**		**6**		**7**		**8**		**Notes**
Ramp	Standard Sheet Type															
	Running Slope (%)					9.1										
	Cross Slope (%)					2.6										
	Length (ft)					6.17										
	Width (ft)					4.5										
	Side Flare Slope (%)	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	
						2.9	7.6									
Turning Space (top of ramp)	Length (ft)					2.5										
	Width (ft)					4.5										
	Cross Slope (%)					5										
Detectable Warning	Dome Orientation					n/a										none
	Color					n/a										
	Length (ft)					n/a										
	Width (ft)					n/a										
	Condition					n/a										
Transition to Roadway	Vertical Difference (in)					0										
Clear Space (bottom of ramp)	Length (ft)					7.75										
	Width (ft)					7.25										
	Cross Slope (%)					0.8										
	Counter Slope (%)					2.7										

NYSDOT - Region 4
Curb Ramp Inventory Form



Indicate North Direction



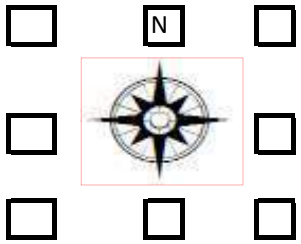
PIN:	
DATE:	12/12/2017
PREPARED BY:	JB

Identify curb ramp number and complete that column. For diagonal ramps merge the two fields, then complete the column.

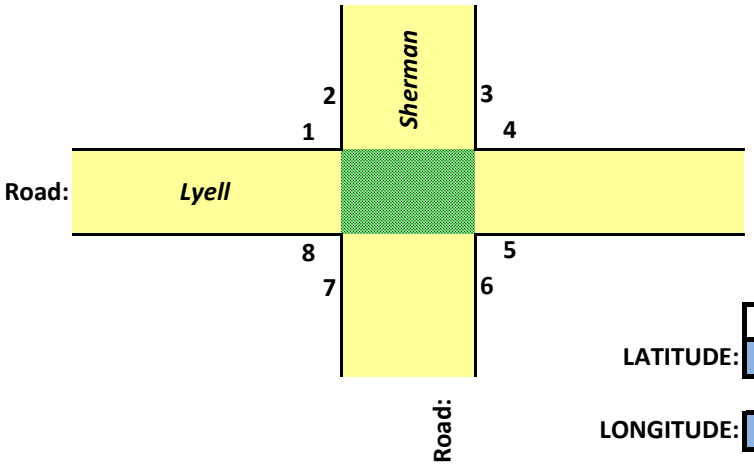
	Degrees		Minutes		Seconds		
LATITUDE:	4	3	0	9	5	2	NORTH
LONGITUDE:	7	7	3	8	0	7	WEST

		Curb Ramp Number																
		Ramp Field Measured Values																
Feature	**Criteria**	**1**		**2**		**3**		**4**		**5**		**6**		**7**		**8**		**Notes**
Ramp	Standard Sheet Type																	
	Running Slope (%)									8.6								
	Cross Slope (%)									0.7								
	Length (ft)									4.58								
	Width (ft)									5.5								
	Side Flare Slope (%)	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	
										4.7	7.1							
Turning Space (top of ramp)	Length (ft)									3								
	Width (ft)									5.33								
	Cross Slope (%)									1.2								
Detectable Warning	Dome Orientation									perp								
	Color									grey								
	Length (ft)									2								
	Width (ft)									5.5								
	Condition									good								brick
Transition to Roadway	Vertical Difference (in)									0								
Clear Space (bottom of ramp)	Length (ft)									n/a								road/xwalk
	Width (ft)									n/a								
	Cross Slope (%)									0.2								
	Counter Slope (%)									1.3								

NYSDOT - Region 4
Curb Ramp Inventory Form



Indicate North Direction



PIN:	
DATE:	12/12/2017
PREPARED BY:	JB

Identify curb ramp number and complete that column. For diagonal ramps merge the two fields, then complete the column.

	Degrees		Minutes		Seconds		
LATITUDE:	4	3	0	9	5	2	NORTH
LONGITUDE:	7	7	3	8	0	8	WEST

		Curb Ramp Number																
		Ramp Field Measured Values																
Feature	**Criteria**	**1**		**2**		**3**		**4**		**5**		**6**		**7**		**8**		**Notes**
Ramp	Standard Sheet Type																	
	Running Slope (%)															14.2		
	Cross Slope (%)															0.9		
	Length (ft)															4.5		
	Width (ft)															5		
	Side Flare Slope (%)	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	
																6	6.3	
Turning Space (top of ramp)	Length (ft)															3		
	Width (ft)															5		
	Cross Slope (%)															0.8		
Detectable Warning	Dome Orientation															perp		
	Color															grey		
	Length (ft)															2		
	Width (ft)															5		
	Condition															sunken		brick
Transition to Roadway	Vertical Difference (in)															-0.5		
Clear Space (bottom of ramp)	Length (ft)															0		road/xwalk
	Width (ft)															0		
	Cross Slope (%)															0.2		
	Counter Slope (%)															4		

Lyell Ave & Sherman St

NW Corner – CW 1

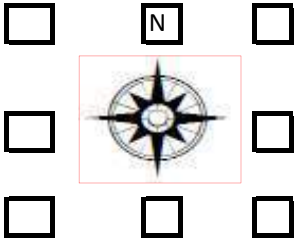
NE Corner - CW 3

Lyell Ave & Sherman St

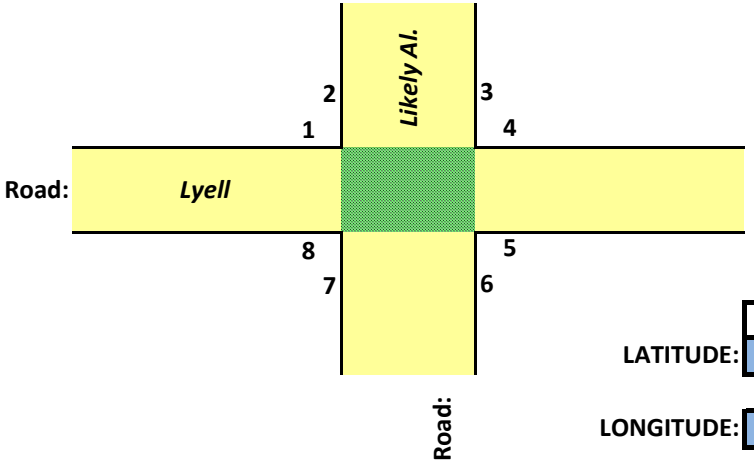
SE Corner – CW 5

SW Corner - CW 8

NYSDOT - Region 4
Curb Ramp Inventory Form



Indicate North Direction



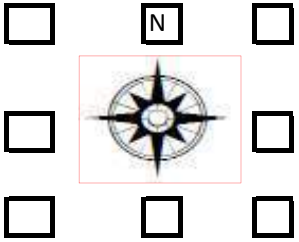
PIN:	
DATE:	12/12/2017
PREPARED BY:	JB

Identify curb ramp number and complete that column. For diagonal ramps merge the two fields, then complete the column.

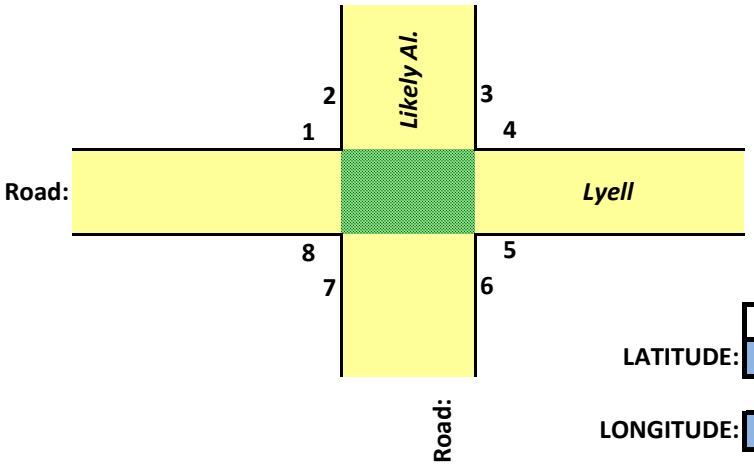
	Degrees		Minutes		Seconds		
LATITUDE:	4	3	0	9	5	3	NORTH
LONGITUDE:	7	7	3	8	0	5	WEST

		Curb Ramp Number																
		Ramp Field Measured Values																
Feature	**Criteria**	**1**		**2**		**3**		**4**		**5**		**6**		**7**		**8**		**Notes**
Ramp	Standard Sheet Type																	
	Running Slope (%)			3.5														
	Cross Slope (%)			3.5														
	Length (ft)			7.42														
	Width (ft)			9.67														
	Side Flare Slope (%)	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	
				3.7	2.2													
Turning Space (top of ramp)	Length (ft)			4.5														
	Width (ft)			7.67														
	Cross Slope (%)			1.7														
Detectable Warning	Dome Orientation			n/a														none
	Color			n/a														
	Length (ft)			n/a														
	Width (ft)			n/a														
	Condition			n/a														
Transition to Roadway	Vertical Difference (in)			0														
Clear Space (bottom of ramp)	Length (ft)			4.5														road
	Width (ft)																	
	Cross Slope (%)			3.9														
	Counter Slope (%)			4.1														

NYSDOT - Region 4
Curb Ramp Inventory Form



Indicate North Direction



PIN:	
DATE:	12/12/2017
PREPARED BY:	JB

Identify curb ramp number and complete that column. For diagonal ramps merge the two fields, then complete the column.

	Degrees		Minutes		Seconds		
LATITUDE:	4	3	0	9	5	3	NORTH
LONGITUDE:	7	7	3	8	0	5	WEST

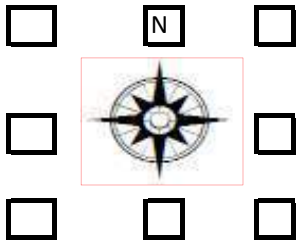
		Curb Ramp Number																
		Ramp Field Measured Values																
Feature	**Criteria**	**1**		**2**		**3**		**4**		**5**		**6**		**7**		**8**		**Notes**
Ramp	Standard Sheet Type																	
	Running Slope (%)					10.3												
	Cross Slope (%)					2.3												
	Length (ft)					5.17												
	Width (ft)					5.25												
	Side Flare Slope (%)	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	
						14.9	9.1											
Turning Space (top of ramp)	Length (ft)					5												
	Width (ft)					7.33												
	Cross Slope (%)					4.3												
Detectable Warning	Dome Orientation					n/a												none
	Color					n/a												
	Length (ft)					n/a												
	Width (ft)					n/a												
	Condition					n/a												
Transition to Roadway	Vertical Difference (in)					-1												
Clear Space (bottom of ramp)	Length (ft)					2.5												road
	Width (ft)					5.25												
	Cross Slope (%)					1.2												
	Counter Slope (%)					0.8												

Lyell Ave & Likly Alley

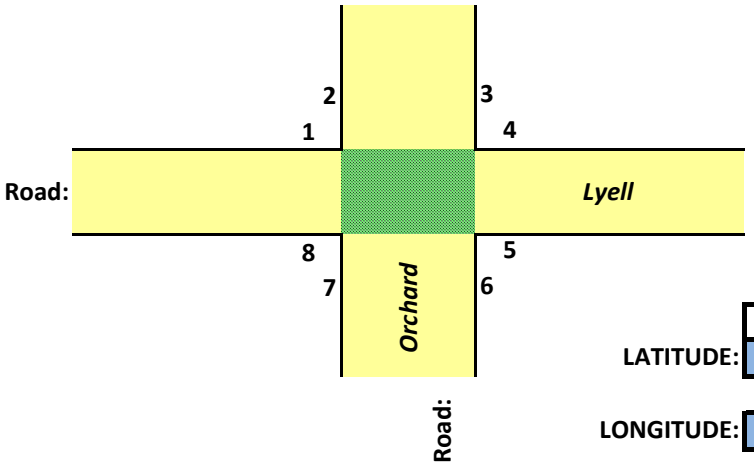
NW Corner – CW 2

NE Corner - CW 3

NYSDOT - Region 4
Curb Ramp Inventory Form



Indicate North Direction



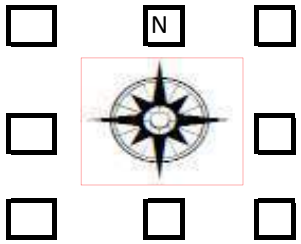
PIN:	
DATE:	12/12/2017
PREPARED BY:	JB

Identify curb ramp number and complete that column. For diagonal ramps merge the two fields, then complete the column.

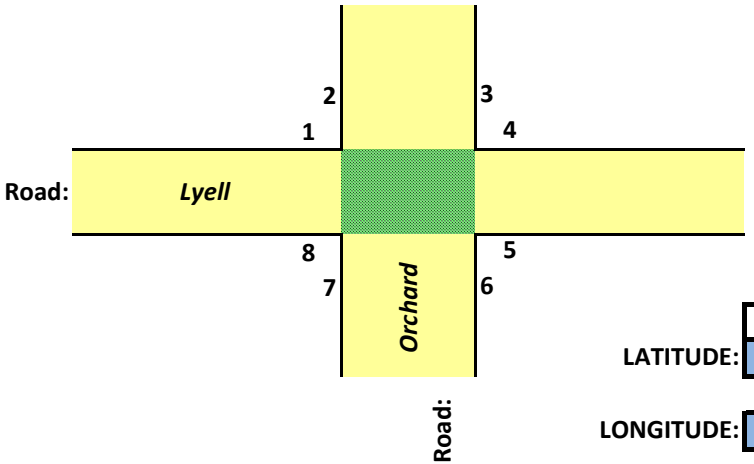
	Degrees		Minutes		Seconds		
LATITUDE:	4	3	0	9	5	2	NORTH
LONGITUDE:	7	7	3	8	0	4	WEST

		Curb Ramp Number																
		Ramp Field Measured Values																
Feature	**Criteria**	**1**		**2**		**3**		**4**		**5**		**6**		**7**		**8**		**Notes**
Ramp	Standard Sheet Type																	
	Running Slope (%)											9.7						
	Cross Slope (%)											2.7						
	Length (ft)											6.5						
	Width (ft)											5						
	Side Flare Slope (%)	***LT***	***RT***	***LT***	***RT***	***LT***	***RT***	***LT***	***RT***	***LT***	***RT***	***LT***	***RT***	***LT***	***RT***	***LT***	***RT***	
												10.3	7.7					
Turning Space (top of ramp)	Length (ft)											5.17						
	Width (ft)											7.5						
	Cross Slope (%)											1.2						
Detectable Warning	Dome Orientation											perp						brick
	Color											grey						
	Length (ft)											2						
	Width (ft)											5						
	Condition											sunken						
Transition to Roadway	Vertical Difference (in)											0						
Clear Space (bottom of ramp)	Length (ft)											6						road
	Width (ft)											7.5						
	Cross Slope (%)											2.5						
	Counter Slope (%)											2.6						

NYSDOT - Region 4
Curb Ramp Inventory Form



Indicate North Direction



PIN:	
DATE:	12/12/2017
PREPARED BY:	JB

Identify curb ramp number and complete that column. For diagonal ramps merge the two fields, then complete the column.

	Degrees		Minutes		Seconds		
LATITUDE:	4	3	0	9	5	2	NORTH
LONGITUDE:	7	7	3	8	0	5	WEST

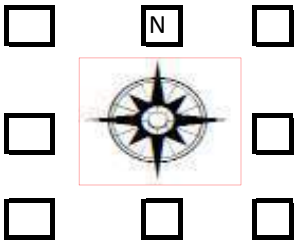
		Curb Ramp Number																
		Ramp Field Measured Values																
Feature	**Criteria**	**1**		**2**		**3**		**4**		**5**		**6**		**7**		**8**		**Notes**
Ramp	Standard Sheet Type																	
	Running Slope (%)													8.2				
	Cross Slope (%)													0				
	Length (ft)													6.17				
	Width (ft)													4.83				
	Side Flare Slope (%)	***LT***	***RT***	***LT***	***RT***	***LT***	***RT***	***LT***	***RT***	***LT***	***RT***	***LT***	***RT***	***LT***	***RT***	***LT***	***RT***	
														7.1	4			
Turning Space (top of ramp)	Length (ft)													5				
	Width (ft)													7				
	Cross Slope (%)													2.9				
Detectable Warning	Dome Orientation													perp				brick
	Color													grey				
	Length (ft)													2				
	Width (ft)													4.83				
	Condition													sunken				
Transition to Roadway	Vertical Difference (in)													0				
Clear Space (bottom of ramp)	Length (ft)													4.25				road
	Width (ft)													5.33				
	Cross Slope (%)													0				
	Counter Slope (%)													2.8				

Lyell Ave & Orchard St

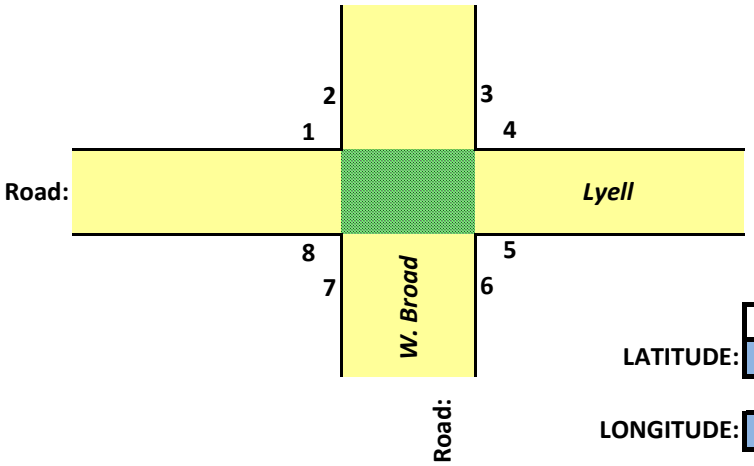
SE Corner – CW 6

SW Corner – CW 7

NYSDOT - Region 4
Curb Ramp Inventory Form



Indicate North Direction



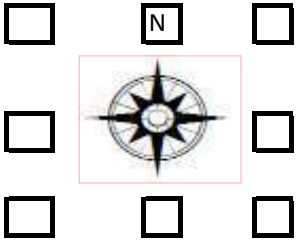
PIN:	
DATE:	12/12/2017
PREPARED BY:	JB

Identify curb ramp number and complete that column. For diagonal ramps merge the two fields, then complete the column.

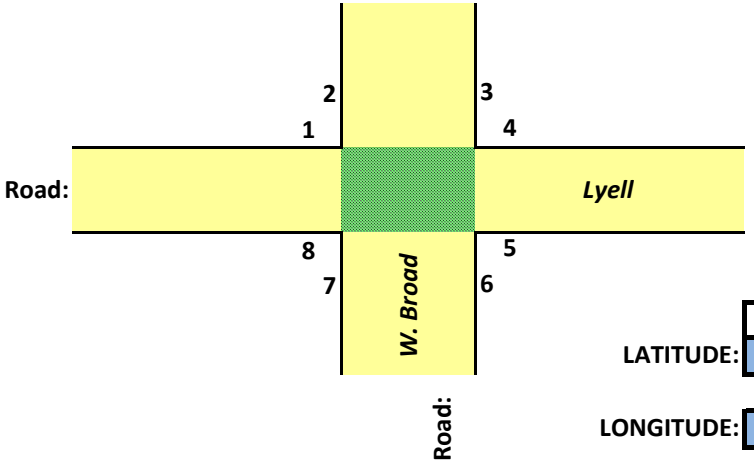
	Degrees		Minutes		Seconds		
LATITUDE:	4	3	0	9	5	3	NORTH
LONGITUDE:	7	7	3	8	0	2	WEST

		Curb Ramp Number																
		Ramp Field Measured Values																
Feature	**Criteria**	**1**		**2**		**3**		**4**		**5**		**6**		**7**		**8**		**Notes**
Ramp	Standard Sheet Type																	
	Running Slope (%)							6.1										
	Cross Slope (%)							0.1										
	Length (ft)							6.92										
	Width (ft)							4.58										
	Side Flare Slope (%)	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	
								12.6	10									
Turning Space (top of ramp)	Length (ft)							n/a										field/lot
	Width (ft)							n/a										
	Cross Slope (%)							n/a										
Detectable Warning	Dome Orientation							perp										
	Color							grey										
	Length (ft)							2										
	Width (ft)							5										
	Condition							sunken										brick
Transition to Roadway	Vertical Difference (in)							0										
Clear Space (bottom of ramp)	Length (ft)							n/a										road/xwalk
	Width (ft)							n/a										
	Cross Slope (%)							0.5										
	Counter Slope (%)							0.1										

NYSDOT - Region 4
Curb Ramp Inventory Form



Indicate North Direction



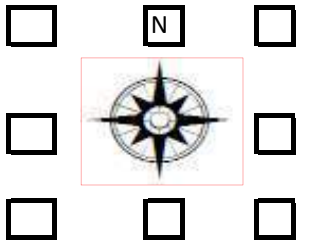
PIN:	
DATE:	12/12/2017
PREPARED BY:	JB

Identify curb ramp number and complete that column. For diagonal ramps merge the two fields, then complete the column.

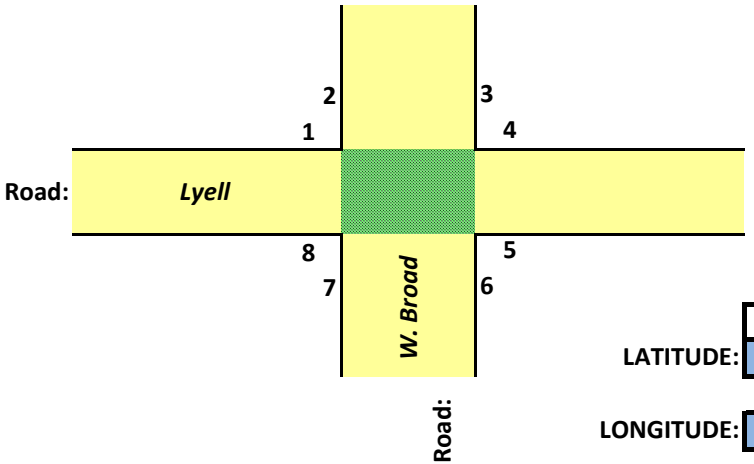
	Degrees		Minutes		Seconds		
LATITUDE:	4	3	0	9	5	2	NORTH
LONGITUDE:	7	7	3	8	0	2	WEST

		Curb Ramp Number														
		Ramp Field Measured Values														
Feature	**Criteria**	**1**		**2**		**3**		**4**		**5**		**7**		**8**		**Notes**
Ramp	Standard Sheet Type															
	Running Slope (%)									8.2						
	Cross Slope (%)									2.9						
	Length (ft)									8						
	Width (ft)									5						
	Side Flare Slope (%)	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	
										10.1	4.7					
Turning Space (top of ramp)	Length (ft)									n/a						lawn
	Width (ft)									n/a						
	Cross Slope (%)									n/a						
Detectable Warning	Dome Orientation									perp						
	Color									grey						
	Length (ft)									2						
	Width (ft)									5						
	Condition									good						brick
Transition to Roadway	Vertical Difference (in)									0						
Clear Space (bottom of ramp)	Length (ft)									5.42						
	Width (ft)									5						
	Cross Slope (%)									2.3						
	Counter Slope (%)									2.5						

NYSDOT - Region 4
Curb Ramp Inventory Form



Indicate North Direction



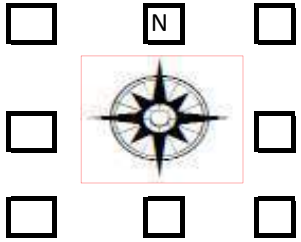
PIN:	
DATE:	12/12/2017
PREPARED BY:	JB

Identify curb ramp number and complete that column. For diagonal ramps merge the two fields, then complete the column.

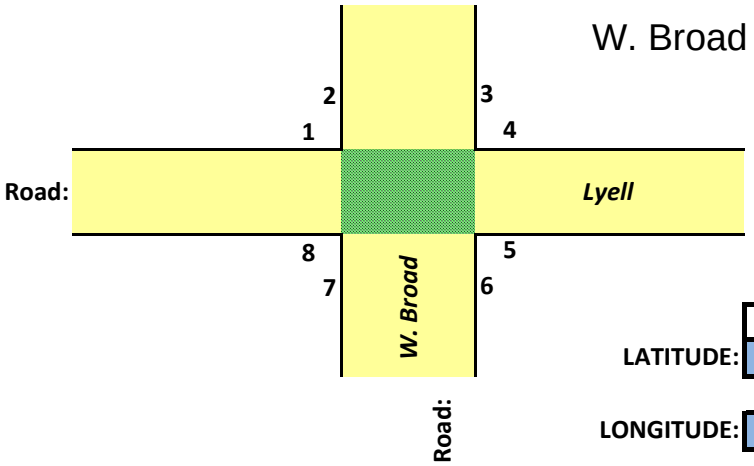
	Degrees		Minutes		Seconds		
LATITUDE:	4	3	0	9	5	2	NORTH
LONGITUDE:	7	7	3	8	0	3	WEST

		Curb Ramp Number																
		Ramp Field Measured Values																
Feature	**Criteria**	**1**		**2**		**3**		**4**		**5**		**6**		**7**		**8**		**Notes**
Ramp	Standard Sheet Type																	
	Running Slope (%)													10				
	Cross Slope (%)													0				
	Length (ft)													6.58				
	Width (ft)													5.25				
	Side Flare Slope (%)	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	
														6.1	7.3			
Turning Space (top of ramp)	Length (ft)													4				
	Width (ft)													7.08				
	Cross Slope (%)													1.6				
Detectable Warning	Dome Orientation													perp				brick
	Color													grey				
	Length (ft)													2				
	Width (ft)													4.92				
	Condition													sunken				
Transition to Roadway	Vertical Difference (in)													0				
Clear Space (bottom of ramp)	Length (ft)													3.5				road/crosswalk
	Width (ft)													5.25				
	Cross Slope (%)													0.4				
	Counter Slope (%)													3.5				

NYSDOT - Region 4
Curb Ramp Inventory Form



Indicate North Direction



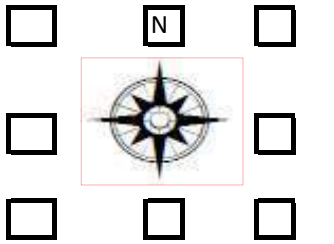
PIN:	
DATE:	12/12/2017
PREPARED BY:	JB

Identify curb ramp number and complete that column. For diagonal ramps merge the two fields, then complete the column.

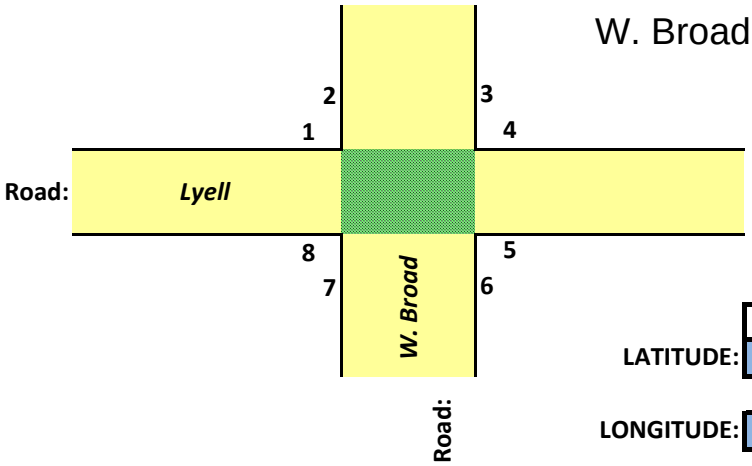
	Degrees		Minutes		Seconds		
LATITUDE:	4	3	0	9	5	2	NORTH
LONGITUDE:	7	7	3	8	0	3	WEST

		Curb Ramp Number																
		Ramp Field Measured Values																
Feature	**Criteria**	**1**		**2**		**3**		**4**		**5**		**6**		**7**		**8**		**Notes**
Ramp	Standard Sheet Type																	
	Running Slope (%)											3						
	Cross Slope (%)											1.9						
	Length (ft)											6.08						
	Width (ft)											4						
	Side Flare Slope (%)	***LT***	***RT***	***LT***	***RT***	***LT***	***RT***	***LT***	***RT***	***LT***	***RT***	***LT***	***RT***	***LT***	***RT***	***LT***	***RT***	
												10.4	5.2					
Turning Space (top of ramp)	Length (ft)											5.25						
	Width (ft)											5.33						
	Cross Slope (%)											1.9						
Detectable Warning	Dome Orientation											perp						brick
	Color											grey						
	Length (ft)											2						
	Width (ft)											4						
	Condition											good						
Transition to Roadway	Vertical Difference (in)											0						
Clear Space (bottom of ramp)	Length (ft)											0						road/crosswalk
	Width (ft)											0						
	Cross Slope (%)											0.8						
	Counter Slope (%)											1.3						

NYSDOT - Region 4
Curb Ramp Inventory Form



Indicate North Direction



PIN:	
DATE:	12/12/2017
PREPARED BY:	JB

Identify curb ramp number and complete that column. For diagonal ramps merge the two fields, then complete the column.

	Degrees		Minutes		Seconds		
LATITUDE:	4	3	0	9	5	2	NORTH
LONGITUDE:	7	7	3	8	0	3	WEST

		Curb Ramp Number																
		Ramp Field Measured Values																
Feature	**Criteria**	**1**		**2**		**3**		**4**		**5**		**6**		**7**		**8**		**Notes**
Ramp	Standard Sheet Type																	
	Running Slope (%)													5.2				
	Cross Slope (%)													1.2				
	Length (ft)													5.75				
	Width (ft)													3.25				
	Side Flare Slope (%)	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	
														16.1	14			
Turning Space (top of ramp)	Length (ft)													5.83				
	Width (ft)													8				
	Cross Slope (%)													1.9				
Detectable Warning	Dome Orientation													perp				brick
	Color													grey				
	Length (ft)													2				
	Width (ft)													3.37				
	Condition													sunken				
Transition to Roadway	Vertical Difference (in)													0				
Clear Space (bottom of ramp)	Length (ft)													n/a				road/crosswalk
	Width (ft)													n/a				
	Cross Slope (%)													1.2				
	Counter Slope (%)													1.3				

Lyell and W. Broad

NE Corner – CW 4

SE Corner – CW 5

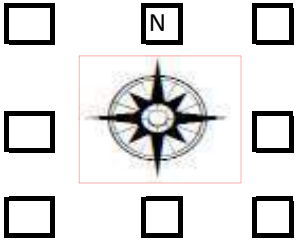
SW Corner – CW 7

Lyell and W. Broad Island

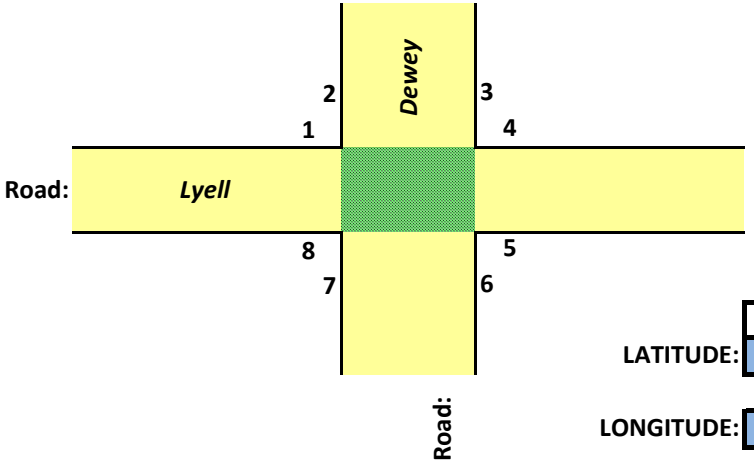
Island East Side - CW 6

Island West Side – CW 7

NYSDOT - Region 4
Curb Ramp Inventory Form



Indicate North Direction



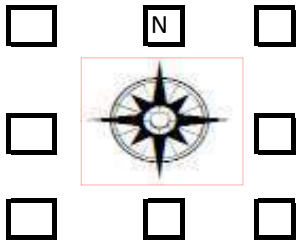
PIN:	
DATE:	12/12/2017
PREPARED BY:	JB

Identify curb ramp number and complete that column. For diagonal ramps merge the two fields, then complete the column.

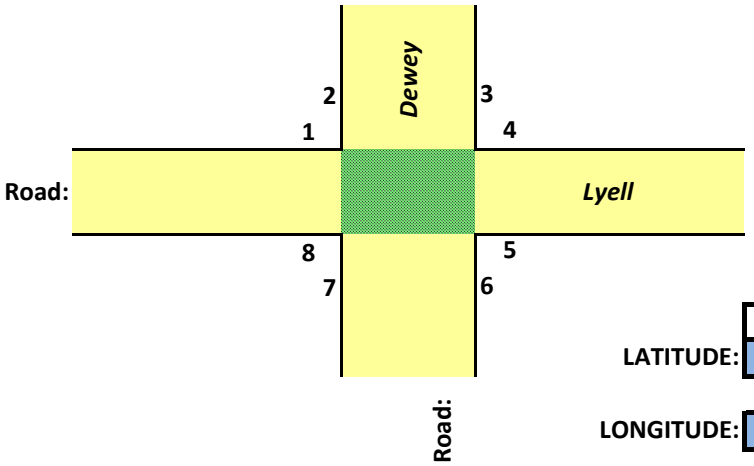
	Degrees		Minutes		Seconds		
LATITUDE:	4	3	0	9	5	3	NORTH
LONGITUDE:	7	7	3	7	5	7	WEST

		Curb Ramp Number																
		Ramp Field Measured Values																
Feature	**Criteria**	**1**				**3**		**4**		**5**		**6**		**7**		**8**		**Notes**
Ramp	Standard Sheet Type																	
	Running Slope (%)	7.8																
	Cross Slope (%)	0.1																
	Length (ft)	6.75																
	Width (ft)	8.67																
	Side Flare Slope (%)	***LT***			***RT***	***LT***	***RT***	***LT***	***RT***	***LT***	***RT***	***LT***	***RT***	***LT***	***RT***	***LT***	***RT***	
		7.7			5.6													
Turning Space (top of ramp)	Length (ft)	7.25		4.5														
	Width (ft)	7.67		9														
	Cross Slope (%)	1.4		2.6														
Detectable Warning	Dome Orientation	n/a																
	Color	n/a																
	Length (ft)	n/a																
	Width (ft)	n/a																
	Condition	n/a																
Transition to Roadway	Vertical Difference (in)	1																
Clear Space (bottom of ramp)	Length (ft)	3																
	Width (ft)	8.67																
	Cross Slope (%)	1.8																
	Counter Slope (%)	3.2																

NYSDOT - Region 4
Curb Ramp Inventory Form



Indicate North Direction



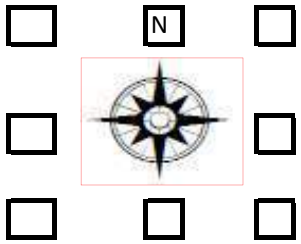
PIN:	
DATE:	12/12/2017
PREPARED BY:	JB

Identify curb ramp number and complete that column. For diagonal ramps merge the two fields, then complete the column.

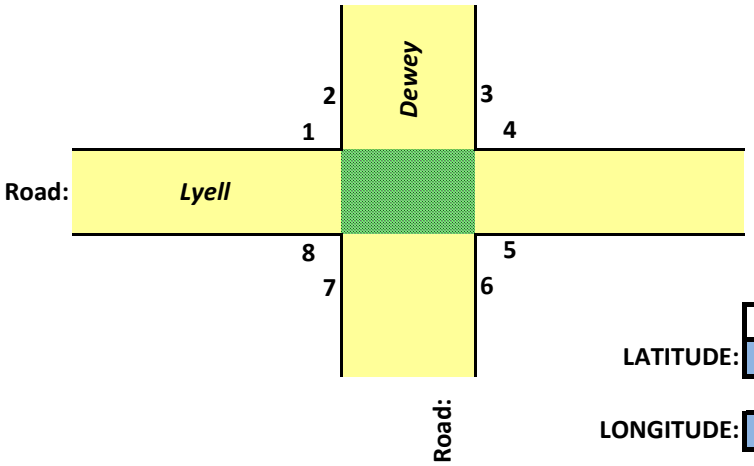
	Degrees		Minutes		Seconds		
LATITUDE:	4	3	0	9	5	3	NORTH
LONGITUDE:	7	7	3	7	5	7	WEST

		Curb Ramp Number																
		Ramp Field Measured Values																
Feature	**Criteria**	**1**		**2**		**3**				**5**		**6**		**7**		**8**		**Notes**
Ramp	Standard Sheet Type																	
	Running Slope (%)					7.5												
	Cross Slope (%)					2.4												
	Length (ft)					8.25												
	Width (ft)					5												
	Side Flare Slope (%)	***LT***	***RT***	***LT***	***RT***	***LT***	***RT***			***LT***	***RT***	***LT***	***RT***	***LT***	***RT***	***LT***	***RT***	
						7.1	9.6											
Turning Space (top of ramp)	Length (ft)					LT5, RT3												2 clear spaces
	Width (ft)					5, 5.67												2 clear spaces
	Cross Slope (%)					0.7,0 .6												2 clear spaces
Detectable Warning	Dome Orientation					perp												
	Color					grey												
	Length (ft)					2												
	Width (ft)					5												
	Condition					rough												deteriorated mat
Transition to Roadway	Vertical Difference (in)					0												
Clear Space (bottom of ramp)	Length (ft)					3.5												
	Width (ft)					5												
	Cross Slope (%)					1.2												
	Counter Slope (%)					1.7												

NYSDOT - Region 4
Curb Ramp Inventory Form



Indicate North Direction



PIN:	
DATE:	12/12/2017
PREPARED BY:	JB

Identify curb ramp number and complete that column. For diagonal ramps merge the two fields, then complete the column.

	Degrees		Minutes		Seconds		
LATITUDE:	4	3	0	9	5	2	NORTH
LONGITUDE:	7	7	3	7	5	7	WEST

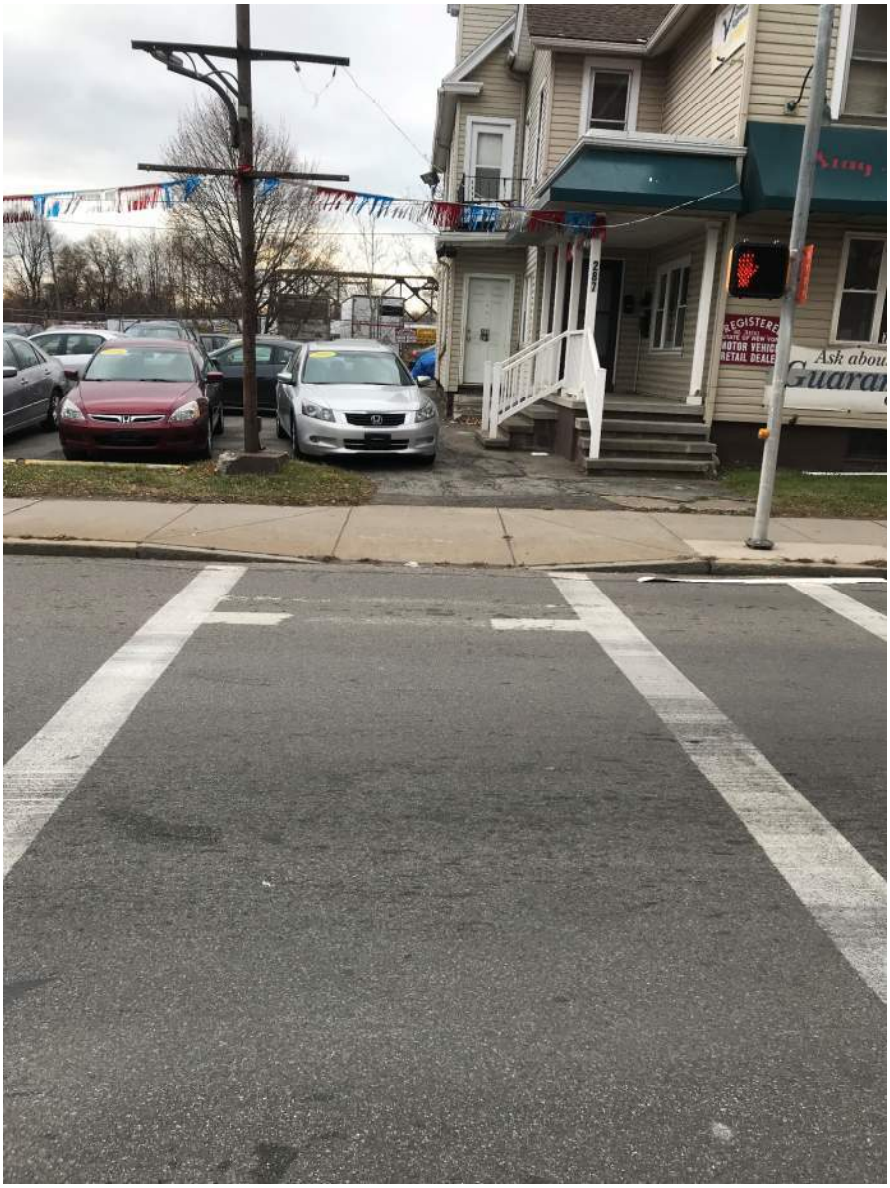
		Curb Ramp Number																
		Ramp Field Measured Values																
Feature	**Criteria**	**1**		**2**		**3**		**4**		**5**		**6**		**7**		**8**		**Notes**
Ramp	Standard Sheet Type																	
	Running Slope (%)															6.1		
	Cross Slope (%)															0.8		
	Length (ft)															7.33		
	Width (ft)															5		
	Side Flare Slope (%)	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	
																5.6	7.2	
Turning Space (top of ramp)	Length (ft)															n/a		pk lot
	Width (ft)															n/a		
	Cross Slope (%)															n/a		
Detectable Warning	Dome Orientation															n/a		none
	Color															n/a		
	Length (ft)															n/a		
	Width (ft)															n/a		
	Condition															n/a		
Transition to Roadway	Vertical Difference (in)															0		
Clear Space (bottom of ramp)	Length (ft)															0		road
	Width (ft)															0		
	Cross Slope (%)															0.9		
	Counter Slope (%)															1.8		

Lyell Ave & Dewey Ave

NW Corner – CW 1

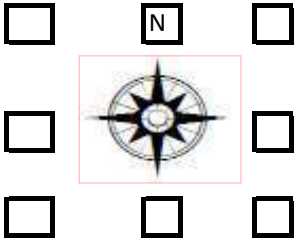
NE Corner - CW 3

Lyell Ave & Dewey Ave

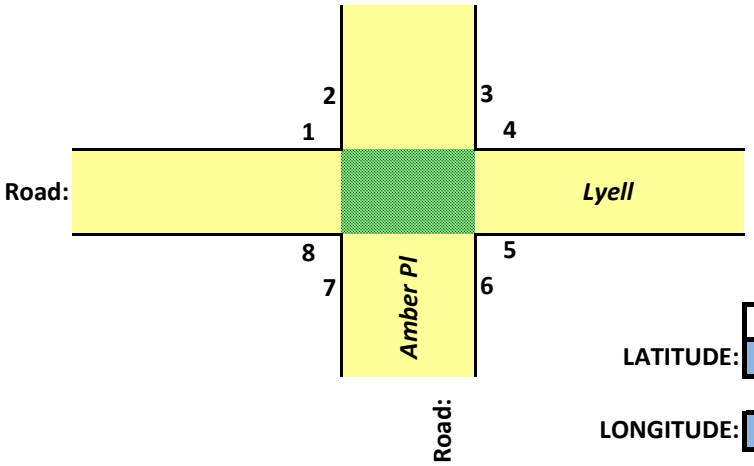


SW Corner - CW 8

NYSDOT - Region 4
Curb Ramp Inventory Form



Indicate North Direction



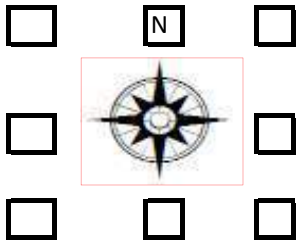
PIN:	
DATE:	12/12/2017
PREPARED BY:	JB

Identify curb ramp number and complete that column. For diagonal ramps merge the two fields, then complete the column.

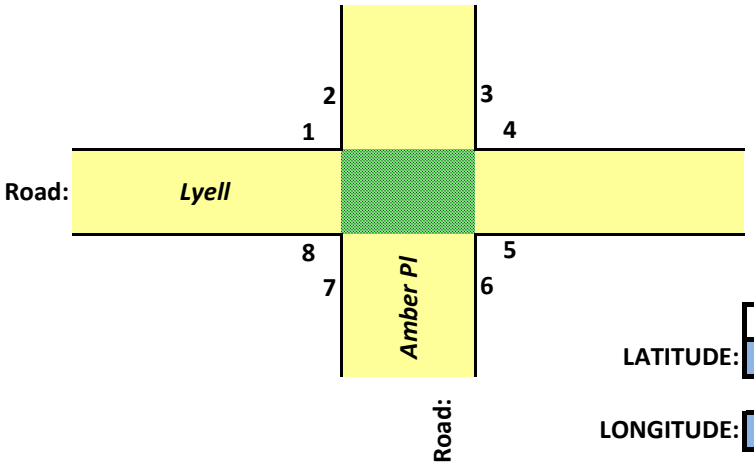
	Degrees		Minutes		Seconds		
LATITUDE:	4	3	0	9	5	2	NORTH
LONGITUDE:	7	7	3	7	5	6	WEST

		Curb Ramp Number																
		Ramp Field Measured Values																
Feature	**Criteria**	**1**		**2**		**3**		**4**		**5**		**6**		**7**		**8**		**Notes**
Ramp	Standard Sheet Type																	
	Running Slope (%)											3.5						
	Cross Slope (%)											0						
	Length (ft)											5.42						
	Width (ft)											9.33						radius
	Side Flare Slope (%)	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	
												5.3	n/a					no RT flare
Turning Space (top of ramp)	Length (ft)											8.33						
	Width (ft)											7.5						
	Cross Slope (%)											0.2						
Detectable Warning	Dome Orientation											perp						
	Color											grey						
	Length (ft)											2						
	Width (ft)											5						
	Condition											good						brick
Transition to Roadway	Vertical Difference (in)											0						
Clear Space (bottom of ramp)	Length (ft)											5.75						
	Width (ft)											7.5						
	Cross Slope (%)											0.3						
	Counter Slope (%)											0.3						

NYSDOT - Region 4
Curb Ramp Inventory Form



Indicate North Direction



PIN:	
DATE:	12/12/2017
PREPARED BY:	JB

Identify curb ramp number and complete that column. For diagonal ramps merge the two fields, then complete the column.

	Degrees		Minutes		Seconds		
LATITUDE:	4	3	0	9	5	2	NORTH
LONGITUDE:	7	7	3	7	5	6	WEST

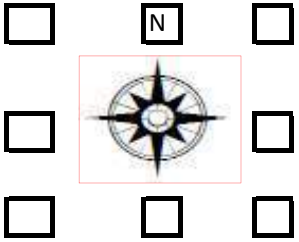
		Curb Ramp Number																
		Ramp Field Measured Values																
Feature	**Criteria**	**1**		**2**		**3**		**4**		**5**		**6**		**7**		**8**		**Notes**
Ramp	Standard Sheet Type																	
	Running Slope (%)													6.8				
	Cross Slope (%)													1.5				
	Length (ft)													4.5				
	Width (ft)													4.5				
	Side Flare Slope (%)	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	
														8.4	3.7			
Turning Space (top of ramp)	Length (ft)													4.83				
	Width (ft)													6.92				
	Cross Slope (%)													2.6				
Detectable Warning	Dome Orientation													perp				
	Color													grey				
	Length (ft)													2				
	Width (ft)													4.83				
	Condition													good				brick
Transition to Roadway	Vertical Difference (in)													0				
Clear Space (bottom of ramp)	Length (ft)													6				
	Width (ft)													4.5				
	Cross Slope (%)													1.4				
	Counter Slope (%)													1.4				

Lyell Ave & Amber Pl

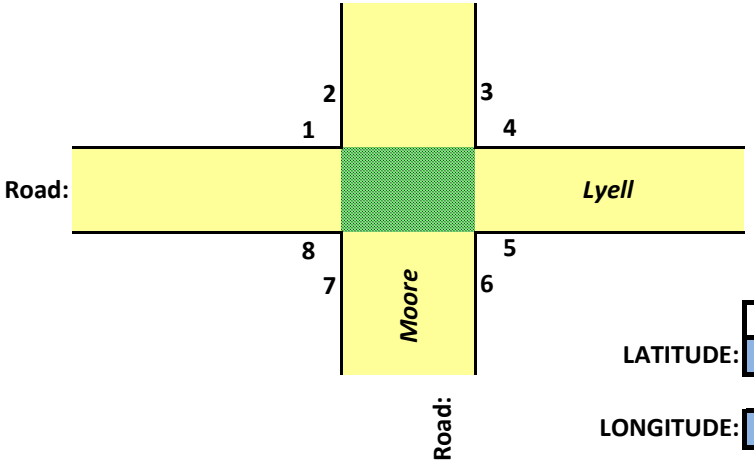
SE Corner – CW 6

SW Corner – CW 7

NYSDOT - Region 4
Curb Ramp Inventory Form



Indicate North Direction



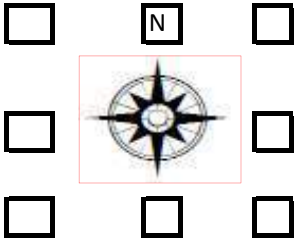
PIN:	
DATE:	12/12/2017
PREPARED BY:	JB

Identify curb ramp number and complete that column. For diagonal ramps merge the two fields, then complete the column.

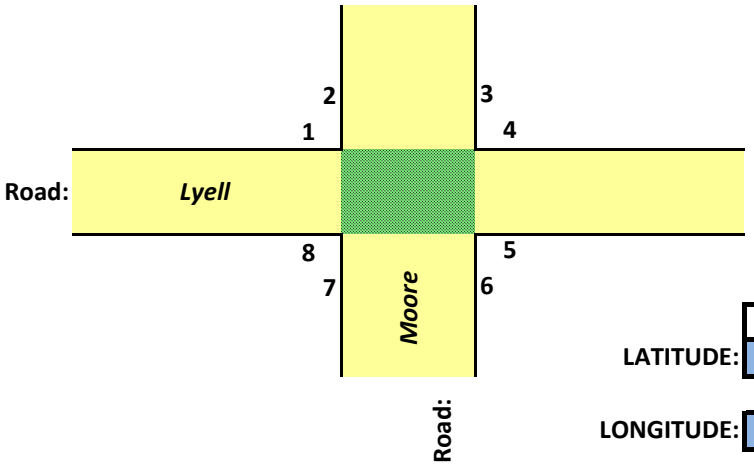
	Degrees		Minutes		Seconds		
LATITUDE:	4	3	0	9	5	2	NORTH
LONGITUDE:	7	7	3	7	5	3	WEST

		Curb Ramp Number																
		Ramp Field Measured Values																
Feature	**Criteria**	**1**		**2**		**3**		**4**		**5**		**6**		**7**		**8**		**Notes**
Ramp	Standard Sheet Type																	
	Running Slope (%)											4.9						
	Cross Slope (%)											1						
	Length (ft)											6.83						
	Width (ft)											4.33						
	Side Flare Slope (%)	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	
												9.6	18.6					
Turning Space (top of ramp)	Length (ft)											4.83						
	Width (ft)											4.17						
	Cross Slope (%)											3.5						
Detectable Warning	Dome Orientation											n/a						none
	Color											n/a						
	Length (ft)											n/a						
	Width (ft)											n/a						
	Condition											n/a						
Transition to Roadway	Vertical Difference (in)											-0.5						
Clear Space (bottom of ramp)	Length (ft)											4						
	Width (ft)											4.17						
	Cross Slope (%)											1.6						
	Counter Slope (%)											1						

NYSDOT - Region 4
Curb Ramp Inventory Form



Indicate North Direction



PIN:	
DATE:	12/12/2017
PREPARED BY:	JB

Identify curb ramp number and complete that column. For diagonal ramps merge the two fields, then complete the column.

	Degrees		Minutes		Seconds		
LATITUDE:	4	3	0	9	5	2	NORTH
LONGITUDE:	7	7	3	7	5	3	WEST

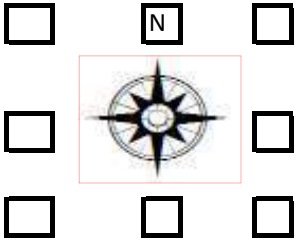
		Curb Ramp Number																
		Ramp Field Measured Values																
Feature	**Criteria**	**1**		**2**		**3**		**4**		**5**		**6**		**7**		**8**		**Notes**
Ramp	Standard Sheet Type																	
	Running Slope (%)													11.1				
	Cross Slope (%)													1.7				
	Length (ft)													6.33				
	Width (ft)													4.33				
	Side Flare Slope (%)	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	
														20.1	11.2			
Turning Space (top of ramp)	Length (ft)													6.75				
	Width (ft)													7.17				
	Cross Slope (%)													1.2				
Detectable Warning	Dome Orientation													n/a				none
	Color													n/a				
	Length (ft)													n/a				
	Width (ft)													n/a				
	Condition													n/a				
Transition to Roadway	Vertical Difference (in)													0				
Clear Space (bottom of ramp)	Length (ft)													7.58				
	Width (ft)													4.42				
	Cross Slope (%)													3.7				
	Counter Slope (%)													2.5				

Lyell Ave & Moore St

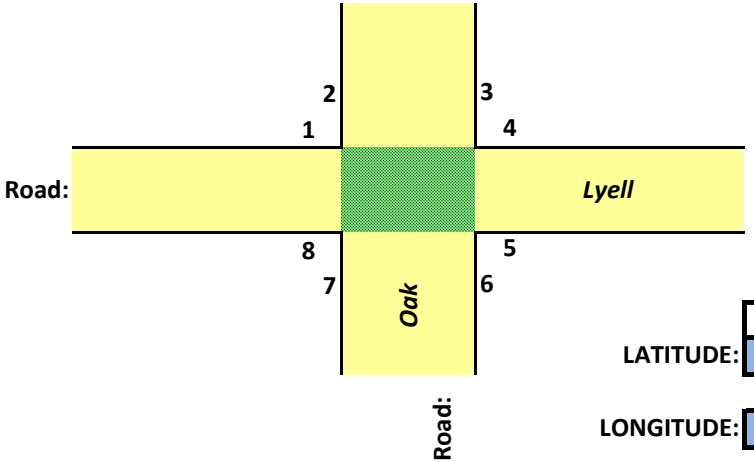
SE Corner – CW 6

SW Corner – CW 7

NYSDOT - Region 4
Curb Ramp Inventory Form



Indicate North Direction



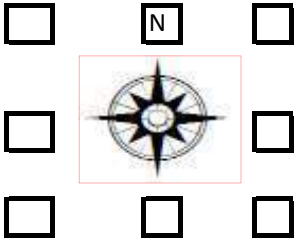
PIN:	
DATE:	12/12/2017
PREPARED BY:	JB

Identify curb ramp number and complete that column. For diagonal ramps merge the two fields, then complete the column.

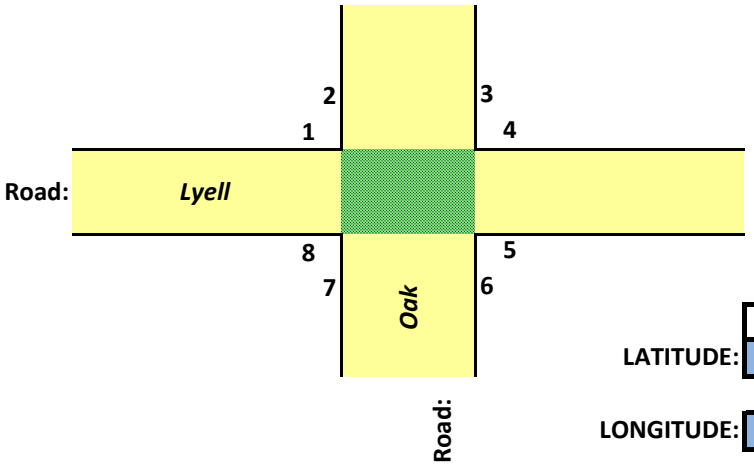
	Degrees		Minutes		Seconds		
LATITUDE:	4	3	0	9	5	2	NORTH
LONGITUDE:	7	7	3	7	5	1	WEST

		Curb Ramp Number																
		Ramp Field Measured Values																
Feature	**Criteria**	**1**		**2**		**3**		**4**		**5**		**6**		**7**		**8**		**Notes**
Ramp	Standard Sheet Type																	
	Running Slope (%)											7.8						
	Cross Slope (%)											2.3						
	Length (ft)											3.33						
	Width (ft)											4.5						
	Side Flare Slope (%)	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	
												5.5	7.5					
Turning Space (top of ramp)	Length (ft)											3.5						
	Width (ft)											4						
	Cross Slope (%)											1.9						
Detectable Warning	Dome Orientation											n/a						none
	Color											n/a						
	Length (ft)											n/a						
	Width (ft)											n/a						
	Condition											n/a						
Transition to Roadway	Vertical Difference (in)											0						
Clear Space (bottom of ramp)	Length (ft)											8						
	Width (ft)											4.5						
	Cross Slope (%)											3.3						
	Counter Slope (%)											1.7						

NYSDOT - Region 4
Curb Ramp Inventory Form



Indicate North Direction



PIN:	
DATE:	12/12/2017
PREPARED BY:	JB

Identify curb ramp number and complete that column. For diagonal ramps merge the two fields, then complete the column.

	Degrees		Minutes		Seconds		
LATITUDE:	4	3	0	9	5	2	NORTH
LONGITUDE:	7	7	3	7	5	2	WEST

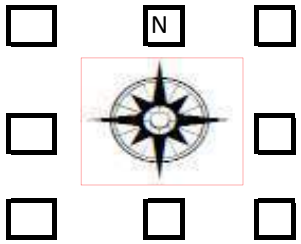
		Curb Ramp Number																
		Ramp Field Measured Values																
Feature	**Criteria**	**1**		**2**		**3**		**4**		**5**		**6**		**7**		**8**		**Notes**
Ramp	Standard Sheet Type																	
	Running Slope (%)													11.7				
	Cross Slope (%)													2.1				
	Length (ft)													6.42				
	Width (ft)													3.67				
	Side Flare Slope (%)	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	
														3.2	5.2			
Turning Space (top of ramp)	Length (ft)													4.17				
	Width (ft)													4.17				
	Cross Slope (%)													3.6				
Detectable Warning	Dome Orientation													n/a				none
	Color													n/a				
	Length (ft)													n/a				
	Width (ft)													n/a				
	Condition													n/a				
Transition to Roadway	Vertical Difference (in)													0				
Clear Space (bottom of ramp)	Length (ft)													4				
	Width (ft)													3.67				
	Cross Slope (%)													5.4				
	Counter Slope (%)													1.9				

Lyell Ave & Oak St

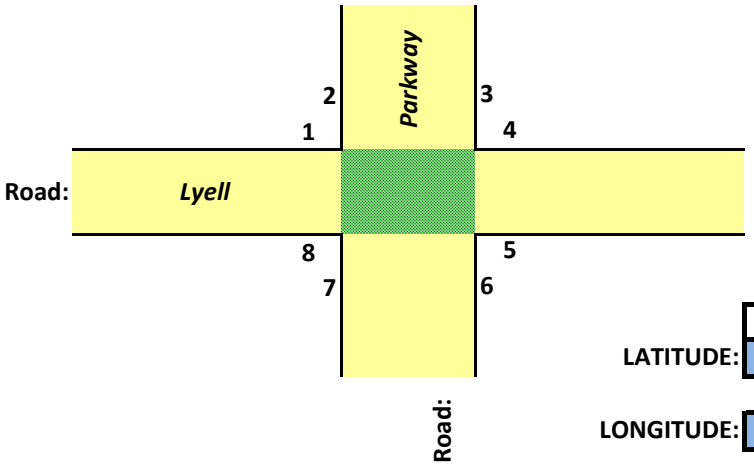
SE Corner – CW 6

SW Corner – CW 7

NYSDOT - Region 4
Curb Ramp Inventory Form



Indicate North Direction



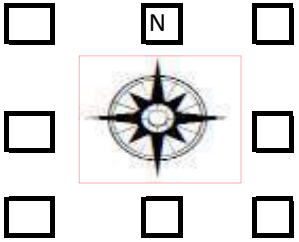
PIN:	
DATE:	12/12/2017
PREPARED BY:	JB

Identify curb ramp number and complete that column. For diagonal ramps merge the two fields, then complete the column.

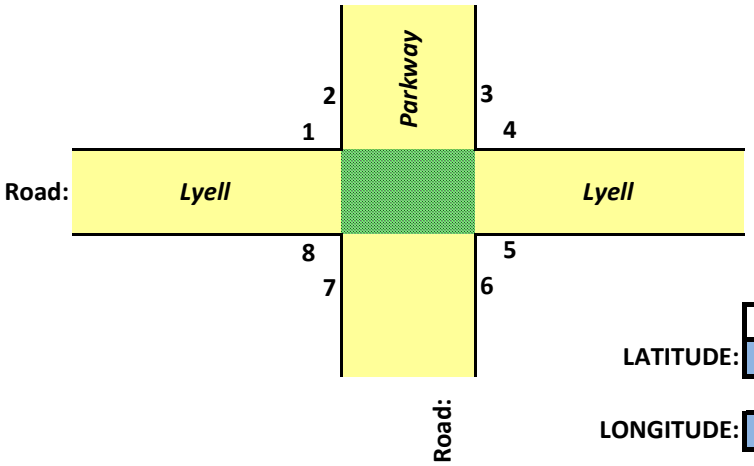
	Degrees		Minutes		Seconds		
LATITUDE:	4	3	0	9	5	3	NORTH
LONGITUDE:	7	7	3	7	5	2	WEST

		Curb Ramp Number																
		Ramp Field Measured Values																
Feature	**Criteria**	**1**		**2**		**3**		**4**		**5**		**6**		**7**		**8**		**Notes**
Ramp	Standard Sheet Type																	
	Running Slope (%)			8.5														
	Cross Slope (%)			1.5														
	Length (ft)			14														
	Width (ft)			5.67														
	Side Flare Slope (%)	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	
				9.5	8.2													
Turning Space (top of ramp)	Length (ft)			10														
	Width (ft)			5.67														
	Cross Slope (%)			2.9														
Detectable Warning	Dome Orientation			n/a														none
	Color			n/a														
	Length (ft)			n/a														
	Width (ft)			n/a														
	Condition			n/a														
Transition to Roadway	Vertical Difference (in)			0														
Clear Space (bottom of ramp)	Length (ft)			8														
	Width (ft)			5.67														
	Cross Slope (%)			3.1														
	Counter Slope (%)			0.8														

NYSDOT - Region 4
Curb Ramp Inventory Form



Indicate North Direction



PIN:	
DATE:	12/12/2017
PREPARED BY:	JB

Identify curb ramp number and complete that column. For diagonal ramps merge the two fields, then complete the column.

	Degrees		Minutes		Seconds		
LATITUDE:	4	3	0	9	5	3	NORTH
LONGITUDE:	7	7	3	7	5	1	WEST

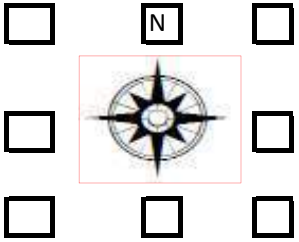
		Curb Ramp Number																
		Ramp Field Measured Values																
Feature	**Criteria**	**1**		**2**		**3**		**4**		**5**		**6**		**7**		**8**		**Notes**
Ramp	Standard Sheet Type																	
	Running Slope (%)					8.1												
	Cross Slope (%)					2.4												
	Length (ft)					15.25												
	Width (ft)					7.17												
	Side Flare Slope (%)	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	
						8.5	7.3											
Turning Space (top of ramp)	Length (ft)					n/a												bldg
	Width (ft)					n/a												
	Cross Slope (%)					n/a												
Detectable Warning	Dome Orientation					n/a												none
	Color					n/a												
	Length (ft)					n/a												
	Width (ft)					n/a												
	Condition					n/a												
Transition to Roadway	Vertical Difference (in)					0												
Clear Space (bottom of ramp)	Length (ft)					5.5												
	Width (ft)					7.17												
	Cross Slope (%)					0.6												
	Counter Slope (%)					0.7												

Lyell Ave & Parkway

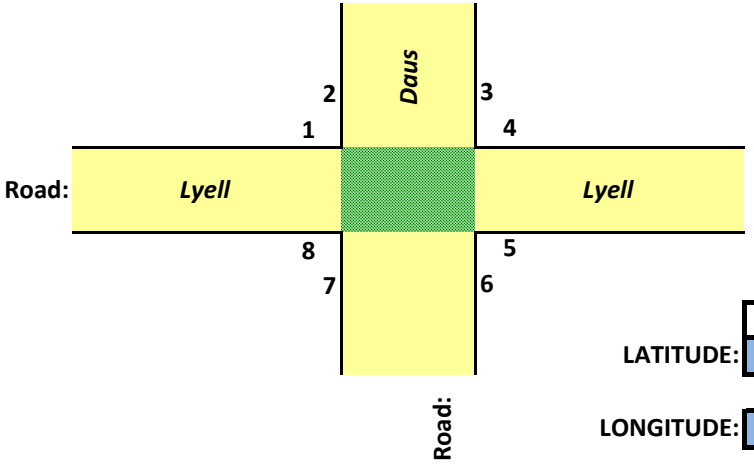
NW Corner – CW 2

NE Corner – CW 3

NYSDOT - Region 4
Curb Ramp Inventory Form



Indicate North Direction



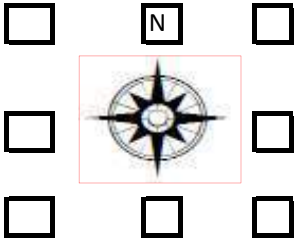
PIN:	
DATE:	12/12/2017
PREPARED BY:	JB

Identify curb ramp number and complete that column. For diagonal ramps merge the two fields, then complete the column.

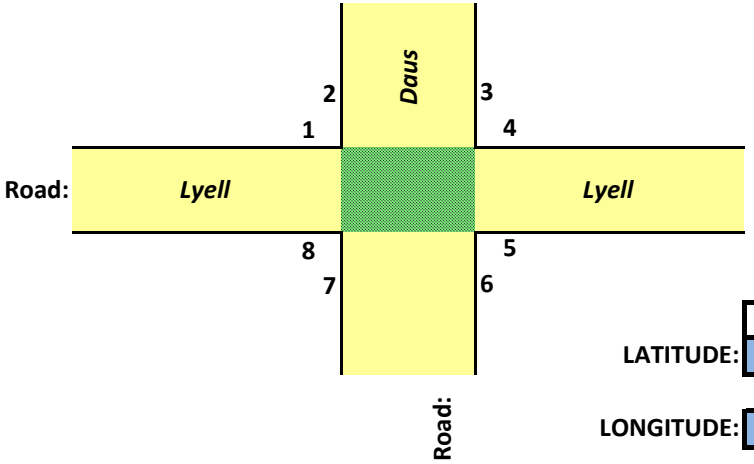
	Degrees		Minutes		Seconds		
LATITUDE:	4	3	0	9	5	3	NORTH
LONGITUDE:	7	7	3	7	4	9	WEST

		Curb Ramp Number																
		Ramp Field Measured Values																
Feature	**Criteria**	**1**		**2**		**3**		**4**		**5**		**6**		**7**		**8**		**Notes**
Ramp	Standard Sheet Type																	
	Running Slope (%)			13.9														
	Cross Slope (%)																	
	Length (ft)			5														
	Width (ft)			4														
	Side Flare Slope (%)	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	
				12.3	14.4													
Turning Space (top of ramp)	Length (ft)			2.25														
	Width (ft)			4														
	Cross Slope (%)			5														
Detectable Warning	Dome Orientation			n/a														
	Color			n/a														
	Length (ft)			n/a														
	Width (ft)			n/a														
	Condition			n/a														
Transition to Roadway	Vertical Difference (in)			0														
Clear Space (bottom of ramp)	Length (ft)			n/a														road
	Width (ft)			n/a														
	Cross Slope (%)			1.6														
	Counter Slope (%)			1.6														

NYSDOT - Region 4
Curb Ramp Inventory Form



Indicate North Direction



PIN:	
DATE:	12/12/2017
PREPARED BY:	JB

Identify curb ramp number and complete that column. For diagonal ramps merge the two fields, then complete the column.

	Degrees		Minutes		Seconds		
LATITUDE:	4	3	0	9	5	3	NORTH
LONGITUDE:	7	7	3	7	4	8	WEST

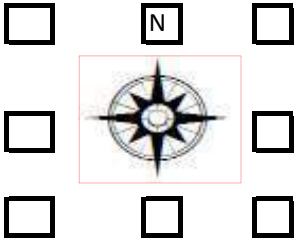
		Curb Ramp Number																
		Ramp Field Measured Values																
Feature	**Criteria**	**1**		**2**		**3**		**4**		**5**		**6**		**7**		**8**		**Notes**
Ramp	Standard Sheet Type																	
	Running Slope (%)					11.1												
	Cross Slope (%)					12.1												
	Length (ft)					7												
	Width (ft)					4.17												
	Side Flare Slope (%)	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	
						n/a	14.9											building left flare
Turning Space (top of ramp)	Length (ft)					n/a												bldg
	Width (ft)					n/a												bldg
	Cross Slope (%)					3.2												
Detectable Warning	Dome Orientation					n/a												
	Color																	
	Length (ft)																	
	Width (ft)																	
	Condition																	
Transition to Roadway	Vertical Difference (in)					0												
Clear Space (bottom of ramp)	Length (ft)					0												
	Width (ft)					0												
	Cross Slope (%)					2.9												
	Counter Slope (%)					2.6												

Lyell Ave & Daus Alley

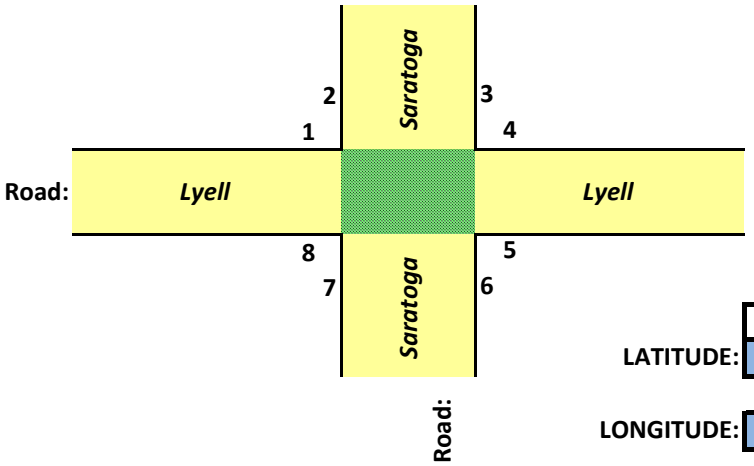
NW Corner – CW 2

NE Corner - CW 3

NYSDOT - Region 4
Curb Ramp Inventory Form



Indicate North Direction



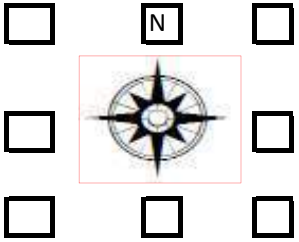
PIN:	
DATE:	12/11/2017
PREPARED BY:	JB

Identify curb ramp number and complete that column. For diagonal ramps merge the two fields, then complete the column.

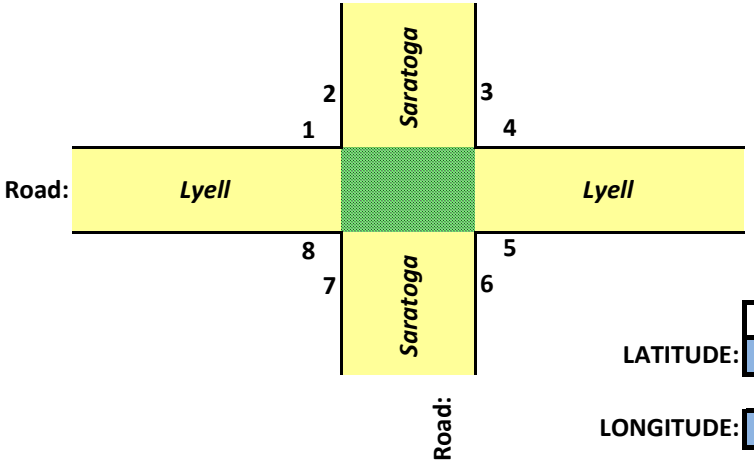
	Degrees		Minutes		Seconds		
LATITUDE:	4	3	0	9	5	3	NORTH
LONGITUDE:	7	7	3	7	4	6	WEST

		Curb Ramp Number														
		Ramp Field Measured Values														
Feature	**Criteria**	**1**		**3**		**4**		**5**		**6**		**7**		**8**		**Notes**
Ramp	Standard Sheet Type															
	Running Slope (%)	12.7														
	Cross Slope (%)	1.5														
	Length (ft)	7.67														
	Width (ft)	8.75														
	Side Flare Slope (%)	***LT***	***RT***	***LT***	***RT***	***LT***	***RT***	***LT***	***RT***	***LT***	***RT***	***LT***	***RT***	***LT***	***RT***	
		8.7	18.5													
Turning Space (top of ramp)	Length (ft)	7.75														
	Width (ft)	7.5														
	Cross Slope (%)	0.8														
Detectable Warning	Dome Orientation	N/A														none
	Color															
	Length (ft)															
	Width (ft)															
	Condition															
Transition to Roadway	Vertical Difference (in)	0														
Clear Space (bottom of ramp)	Length (ft)	5.75														
	Width (ft)															
	Cross Slope (%)	2.9														
	Counter Slope (%)	1.9														

NYSDOT - Region 4
Curb Ramp Inventory Form



Indicate North Direction



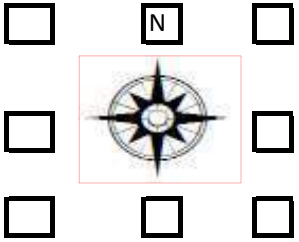
PIN:	
DATE:	12/11/2017
PREPARED BY:	JB

Identify curb ramp number and complete that column. For diagonal ramps merge the two fields, then complete the column.

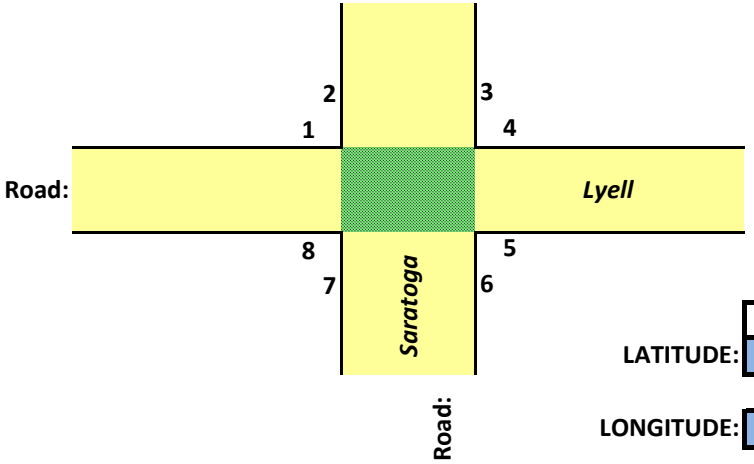
	Degrees		Minutes		Seconds		
LATITUDE:	4	3	0	9	5	3	NORTH
LONGITUDE:	7	7	3	7	4	6	WEST

		Curb Ramp Number																
		Ramp Field Measured Values																
Feature	**Criteria**	**1**		**2**		**3**		**4**		**5**		**6**		**7**		**8**		**Notes**
Ramp	Standard Sheet Type																	
	Running Slope (%)					11.4												
	Cross Slope (%)					0.5												
	Length (ft)					5												
	Width (ft)					4.25												
	Side Flare Slope (%)	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	
						15.5	18.1											
Turning Space (top of ramp)	Length (ft)					8												
	Width (ft)					5.17												
	Cross Slope (%)					1.4												
Detectable Warning	Dome Orientation					N/A												none
	Color																	
	Length (ft)																	
	Width (ft)																	
	Condition																	
Transition to Roadway	Vertical Difference (in)					2												
Clear Space (bottom of ramp)	Length (ft)					5												roadway
	Width (ft)					5												
	Cross Slope (%)					0.5												
	Counter Slope (%)					0												

NYSDOT - Region 4
Curb Ramp Inventory Form



Indicate North Direction



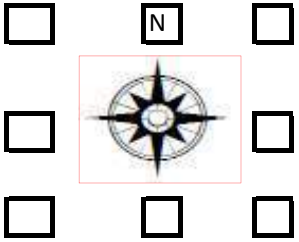
PIN:	
DATE:	12/6/2017
PREPARED BY:	TCR

Identify curb ramp number and complete that column. For diagonal ramps merge the two fields, then complete the column.

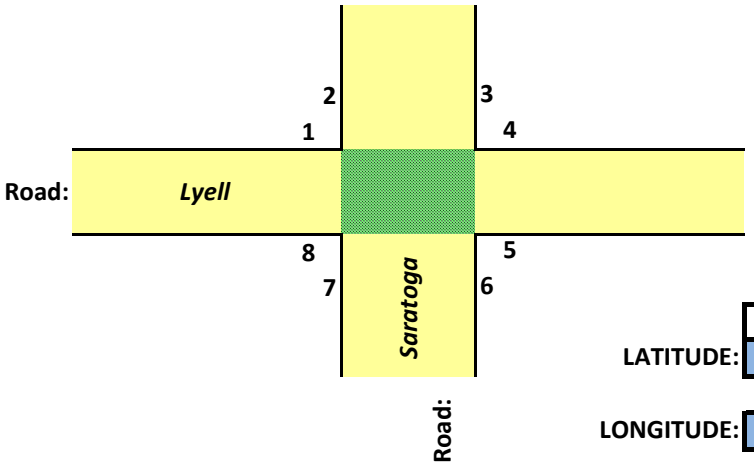
	Degrees		Minutes		Seconds		
LATITUDE:	4	3	0	9	5	2	NORTH
LONGITUDE:	7	7	3	7	4	3	WEST

		Curb Ramp Number																
		Ramp Field Measured Values																
Feature	**Criteria**	**1**		**2**		**3**		**4**		**5**		**6**		**7**		**8**		**Notes**
Ramp	Standard Sheet Type											2						
	Running Slope (%)											10.3						
	Cross Slope (%)											1.7						
	Length (ft)											4.42						
	Width (ft)											5.42						
	Side Flare Slope (%)	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	
												11.1	12.1					
Turning Space (top of ramp)	Length (ft)											10						
	Width (ft)											5.33						
	Cross Slope (%)											1.4						
Detectable Warning	Dome Orientation											Perpend						
	Color											Grey						
	Length (ft)											1.83						
	Width (ft)											3.75						
	Condition											Deteriora						Broken/Missing Domes
Transition to Roadway	Vertical Difference (in)											-0.5						
Clear Space (bottom of ramp)	Length (ft)											5						
	Width (ft)											5.42						
	Cross Slope (%)											1.5						
	Counter Slope (%)											0.7						

NYSDOT - Region 4
Curb Ramp Inventory Form



Indicate North Direction



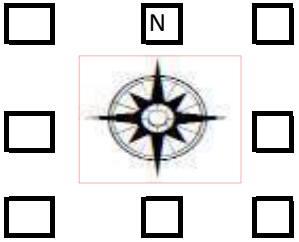
PIN:	
DATE:	12/12/2017
PREPARED BY:	JB

Identify curb ramp number and complete that column. For diagonal ramps merge the two fields, then complete the column.

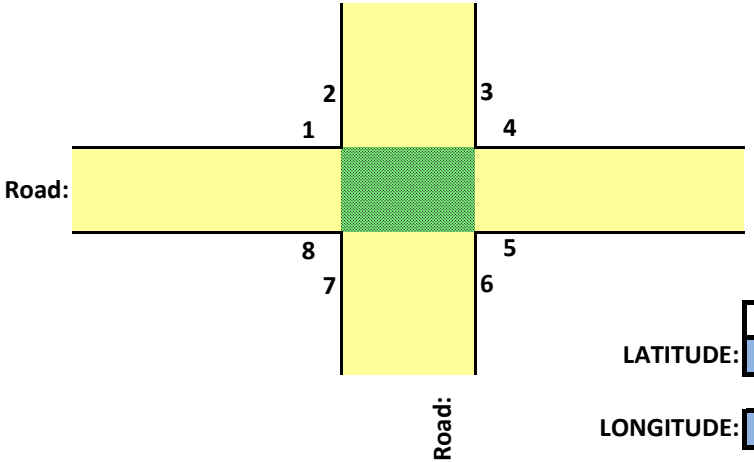
	Degrees		Minutes		Seconds		
LATITUDE:	4	3	0	9	5	2	NORTH
LONGITUDE:	7	7	3	7	4	4	WEST

		Curb Ramp Number																
		Ramp Field Measured Values																
Feature	**Criteria**	**1**		**2**		**3**		**4**		**5**		**6**		**7**		**8**		**Notes**
Ramp	Standard Sheet Type																	
	Running Slope (%)													7.7				
	Cross Slope (%)													2.4				
	Length (ft)													5				
	Width (ft)													4.42				
	Side Flare Slope (%)	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	
														12.6	6.8			
Turning Space (top of ramp)	Length (ft)													5				
	Width (ft)													4				
	Cross Slope (%)													0.7				
Detectable Warning	Dome Orientation													Perpend				
	Color													Grey				
	Length (ft)													2				
	Width (ft)													5				
	Condition													Old				missing domes
Transition to Roadway	Vertical Difference (in)													0"				
Clear Space (bottom of ramp)	Length (ft)													3.25				
	Width (ft)													4.42				
	Cross Slope (%)													0.1				
	Counter Slope (%)													1.4				

NYSDOT - Region 4
Curb Ramp Inventory Form



Indicate North Direction



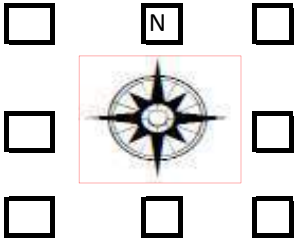
PIN:	
DATE:	12/11/2017
PREPARED BY:	JB

Identify curb ramp number and complete that column. For diagonal ramps merge the two fields, then complete the column.

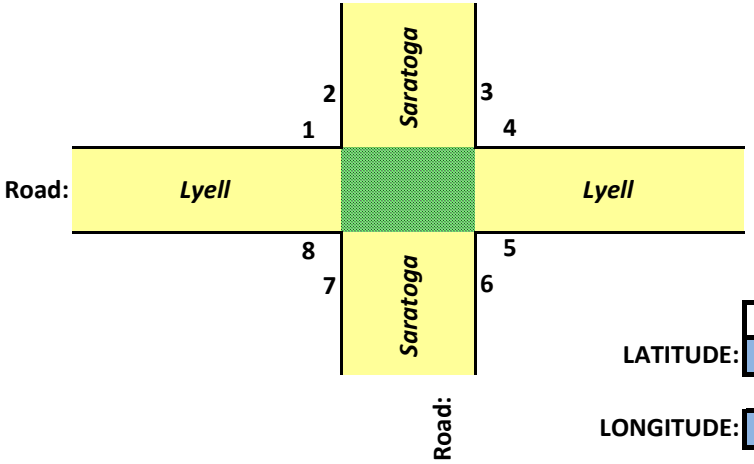
	Degrees		Minutes		Seconds		
LATITUDE:	4	3	0	9	5	3	NORTH
LONGITUDE:	7	7	3	7	4	4	WEST

		Curb Ramp Number																
		Ramp Field Measured Values																
Feature	**Criteria**	**1**		**2**		**3**		**4**		**5**		**6**		**7**		**8**		**Notes**
Ramp	Standard Sheet Type																	
	Running Slope (%)															12.5		
	Cross Slope (%)															2.5		
	Length (ft)															7.42		
	Width (ft)															4.08		
	Side Flare Slope (%)	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	
																7.5	9.3	
Turning Space (top of ramp)	Length (ft)															N/A		building
	Width (ft)																	
	Cross Slope (%)															1		
Detectable Warning	Dome Orientation															N/A		none
	Color																	
	Length (ft)																	
	Width (ft)																	
	Condition																	
Transition to Roadway	Vertical Difference (in)															1.5		
Clear Space (bottom of ramp)	Length (ft)															5		roadway
	Width (ft)															4.08		
	Cross Slope (%)															1		
	Counter Slope (%)															2.2		

NYSDOT - Region 4
Curb Ramp Inventory Form



Indicate North Direction



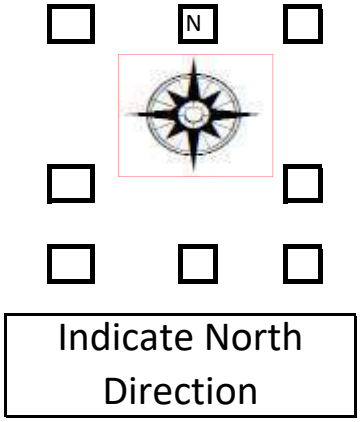
PIN:	
DATE:	12/11/2017
PREPARED BY:	JB

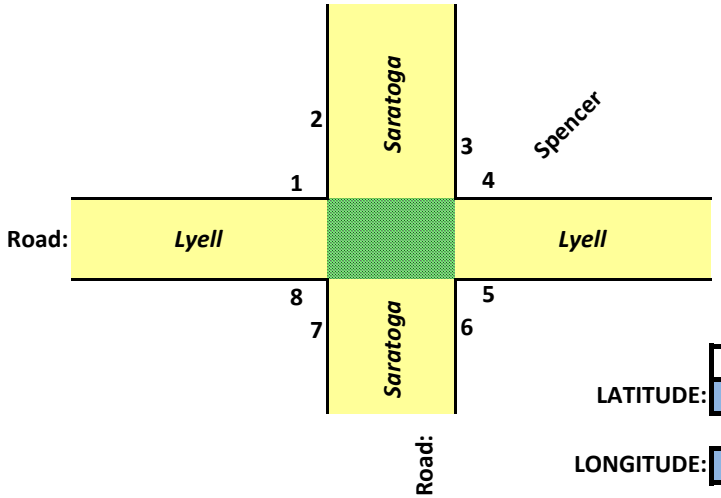
Identify curb ramp number and complete that column. For diagonal ramps merge the two fields, then complete the column.

	Degrees		Minutes		Seconds		
LATITUDE:	4	3	0	9	5	3	NORTH
LONGITUDE:	7	7	3	7	4	4	WEST

		Curb Ramp Number																
		Ramp Field Measured Values																
Feature	**Criteria**	**1**		**2**		**3**		**4**		**5**		**6**		**7**		**8**		**Notes**
Ramp	Standard Sheet Type																	
	Running Slope (%)															11.5		
	Cross Slope (%)															2.2		
	Length (ft)															8.42		
	Width (ft)															4.42		
	Side Flare Slope (%)	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	
																10.3	12.1	
Turning Space (top of ramp)	Length (ft)															N/A		Building
	Width (ft)																	
	Cross Slope (%)																	
Detectable Warning	Dome Orientation															None		No d/w
	Color																	
	Length (ft)																	
	Width (ft)																	
	Condition																	
Transition to Roadway	Vertical Difference (in)															8		
Clear Space (bottom of ramp)	Length (ft)															5		roadway
	Width (ft)															4.42		
	Cross Slope (%)															2.8		
	Counter Slope (%)															1.1		

NYSDOT - Region 4
Curb Ramp Inventory Form





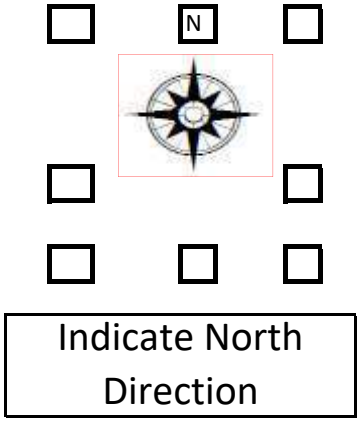
PIN:	
DATE:	12/11/2017
PREPARED BY:	JB

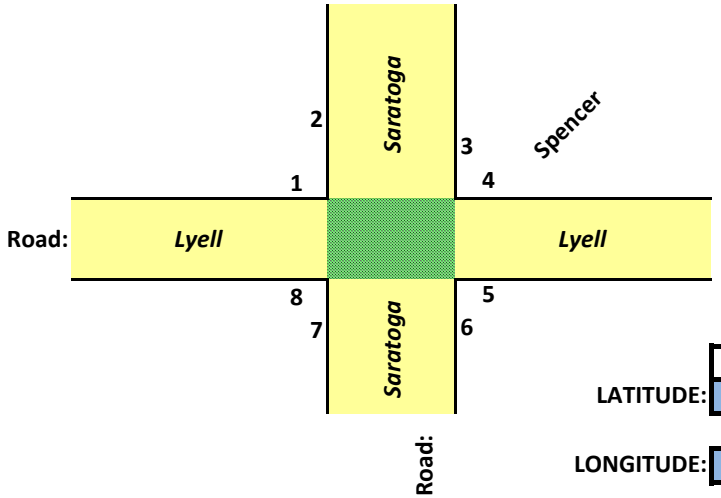
Identify curb ramp number and complete that column. For diagonal ramps merge the two fields, then complete the column.

	Degrees		Minutes		Seconds		
LATITUDE:	4	3	0	9	5	3	NORTH
LONGITUDE:	7	7	3	7	4	6	WEST

		Curb Ramp Number																
		Ramp Field Measured Values																
Feature	**Criteria**	**1**		**2**		**3**		**4**		**5**		**6**		**7**		**8**		**Notes**
Ramp	Standard Sheet Type																	
	Running Slope (%)			7.2														
	Cross Slope (%)			0														
	Length (ft)			8.42														
	Width (ft)			7.25														
	Side Flare Slope (%)	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	
				7.8	10.5													
Turning Space (top of ramp)	Length (ft)			16														
	Width (ft)			7.25														
	Cross Slope (%)			0.2														
Detectable Warning	Dome Orientation			N/A														none
	Color																	
	Length (ft)																	
	Width (ft)																	
	Condition																	
Transition to Roadway	Vertical Difference (in)			0														
Clear Space (bottom of ramp)	Length (ft)			5														roadway
	Width (ft)			7.25														
	Cross Slope (%)			0.9														
	Counter Slope (%)			0.9														

NYSDOT - Region 4
Curb Ramp Inventory Form





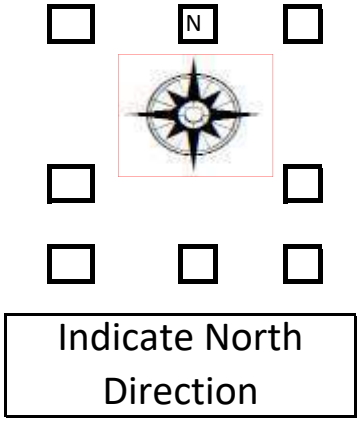
PIN:	
DATE:	12/11/2017
PREPARED BY:	JB

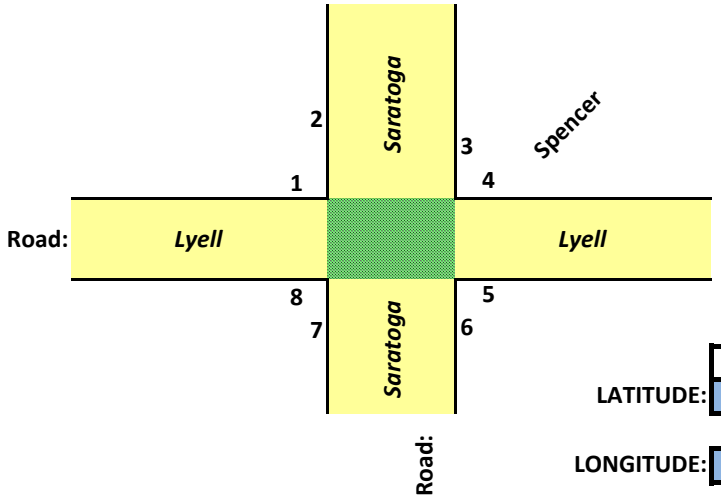
Identify curb ramp number and complete that column. For diagonal ramps merge the two fields, then complete the column.

	Degrees		Minutes		Seconds		
LATITUDE:	4	3	0	9	5	3	NORTH
LONGITUDE:	7	7	3	7	4	5	WEST

		Curb Ramp Number																
		Ramp Field Measured Values																
Feature	**Criteria**	**1**		**2**		**3**		**4**		**5**		**6**		**7**		**8**		**Notes**
Ramp	Standard Sheet Type																	
	Running Slope (%)					7.1												
	Cross Slope (%)					0.8												
	Length (ft)					7.25												
	Width (ft)					4												
	Side Flare Slope (%)	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	
						6.6	8.4											
Turning Space (top of ramp)	Length (ft)					7.33												
	Width (ft)					8.5												
	Cross Slope (%)					1												
Detectable Warning	Dome Orientation					N/A												none
	Color																	
	Length (ft)																	
	Width (ft)																	
	Condition																	
Transition to Roadway	Vertical Difference (in)					0												
Clear Space (bottom of ramp)	Length (ft)					5												roadway
	Width (ft)					4												
	Cross Slope (%)					0.4												
	Counter Slope (%)					1.4												

NYSDOT - Region 4
Curb Ramp Inventory Form





PIN:	
DATE:	12/11/2017
PREPARED BY:	JB

Identify curb ramp number and complete that column. For diagonal ramps merge the two fields, then complete the column.

	Degrees		Minutes		Seconds		
LATITUDE:	4	3	0	9	5	3	NORTH
LONGITUDE:	7	7	3	7	4	4	WEST

		Curb Ramp Number																
		Ramp Field Measured Values																
Feature	**Criteria**	**1**		**2**		**3**		**4**		**5**		**6**		**7**		**8**		**Notes**
Ramp	Standard Sheet Type																	
	Running Slope (%)							13.3										
	Cross Slope (%)							1.2										
	Length (ft)							6.17										
	Width (ft)							4.33										
	Side Flare Slope (%)	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	
								11.2	10.7									
Turning Space (top of ramp)	Length (ft)							2										
	Width (ft)							4.33										
	Cross Slope (%)							0.7										
Detectable Warning	Dome Orientation							N/A										none
	Color																	
	Length (ft)																	
	Width (ft)																	
	Condition																	
Transition to Roadway	Vertical Difference (in)							-1										
Clear Space (bottom of ramp)	Length (ft)							5										roadway
	Width (ft)							4.33										
	Cross Slope (%)							1.4										
	Counter Slope (%)							3.4										

Lyell Ave & Saratoga Ave

NW Corner – CW 1

NE Corner – CW 3

SE Corner – CW 6 SW

SW Corner – CW 7

Lyell Ave & Saratoga Ave

SW Corner (crossing Lyell) – CW 8

SW Corner (Crossing Saratoga) – CW 8

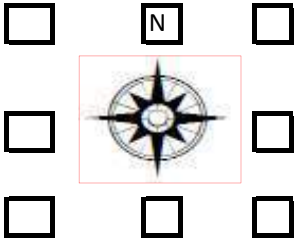
Lyell Ave & Spencer St

NW Corner – CW 2

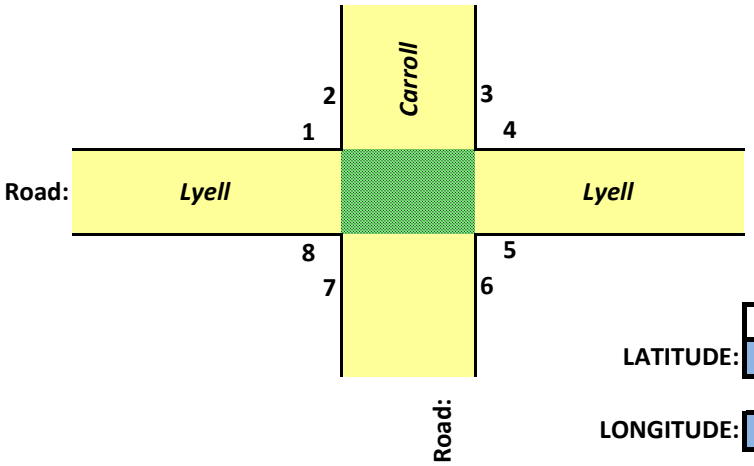
NE Corner – CW 3

NE Corner – CW 4

NYSDOT - Region 4
Curb Ramp Inventory Form



Indicate North Direction



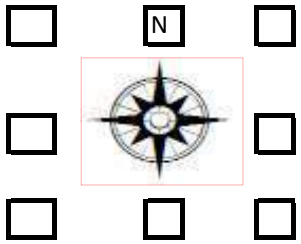
PIN:	
DATE:	12/12/2017
PREPARED BY:	JB

Identify curb ramp number and complete that column. For diagonal ramps merge the two fields, then complete the column.

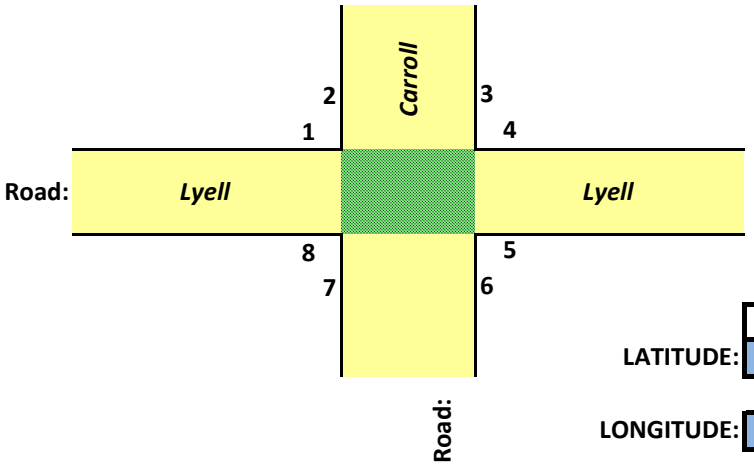
	Degrees		Minutes		Seconds		
LATITUDE:	4	3	0	9	5	3	NORTH
LONGITUDE:	7	7	3	7	4	1	WEST

		Curb Ramp Number																
		Ramp Field Measured Values																
Feature	**Criteria**	**1**		**2**		**3**		**4**		**5**		**6**		**7**		**8**		**Notes**
Ramp	Standard Sheet Type																	
	Running Slope (%)			6.7														
	Cross Slope (%)			2.1														
	Length (ft)			5.8														
	Width (ft)			4.7														
	Side Flare Slope (%)	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	
				7.1	n/a													
Turning Space (top of ramp)	Length (ft)			5.1														
	Width (ft)			4.8														
	Cross Slope (%)			0.3														
Detectable Warning	Dome Orientation			n/a														
	Color																	
	Length (ft)																	
	Width (ft)																	
	Condition																	
Transition to Roadway	Vertical Difference (in)			0														
Clear Space (bottom of ramp)	Length (ft)			1														roadway
	Width (ft)			4.8														
	Cross Slope (%)			3.3														
	Counter Slope (%)			2.8														

NYSDOT - Region 4
Curb Ramp Inventory Form



Indicate North Direction



PIN:	
DATE:	12/12/2017
PREPARED BY:	JB

Identify curb ramp number and complete that column. For diagonal ramps merge the two fields, then complete the column.

	Degrees		Minutes		Seconds		
LATITUDE:	4	3	0	9	5	3	NORTH
LONGITUDE:	7	7	3	7	4	1	WEST

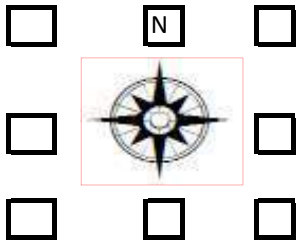
		Curb Ramp Number																
		Ramp Field Measured Values																
Feature	**Criteria**	**1**		**2**		**3**		**4**		**5**		**6**		**7**		**8**		**Notes**
Ramp	Standard Sheet Type																	
	Running Slope (%)					6.3												
	Cross Slope (%)					9.6												
	Length (ft)					8.2												
	Width (ft)					5.8												
	Side Flare Slope (%)	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	
						6.1	6											
Turning Space (top of ramp)	Length (ft)					3.5												
	Width (ft)					4.3												
	Cross Slope (%)					5.4												
Detectable Warning	Dome Orientation					n/a												none
	Color																	
	Length (ft)																	
	Width (ft)																	
	Condition																	
Transition to Roadway	Vertical Difference (in)					0.5												
Clear Space (bottom of ramp)	Length (ft)					1												road
	Width (ft)					4.3												
	Cross Slope (%)					8												
	Counter Slope (%)					1.5												

Lyell Ave & Carroll Alley

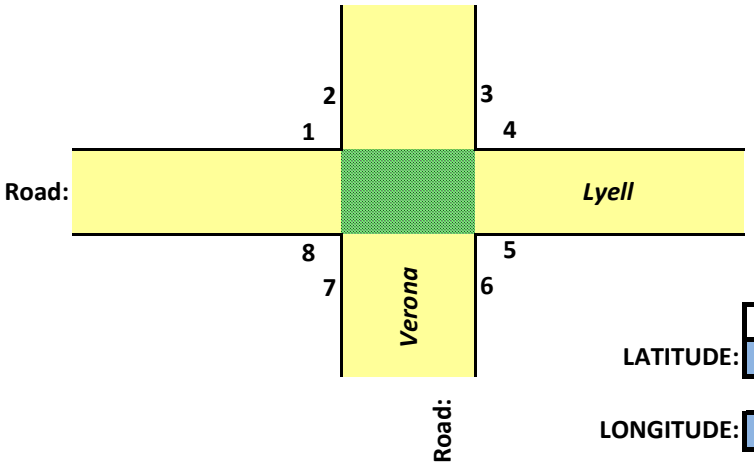
NW Corner – CW 2

NE Corner - CW 3

NYSDOT - Region 4
Curb Ramp Inventory Form



Indicate North Direction



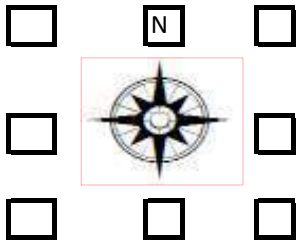
PIN:	
DATE:	12/6/2017
PREPARED BY:	TCR

Identify curb ramp number and complete that column. For diagonal ramps merge the two fields, then complete the column.

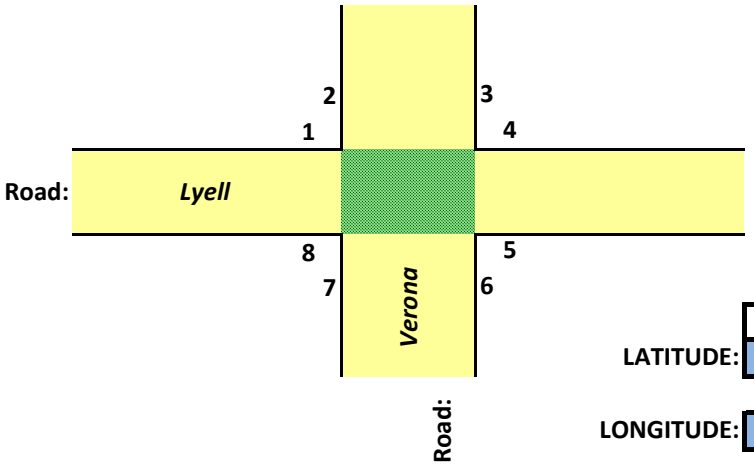
	Degrees		Minutes		Seconds		
LATITUDE:	4	3	0	9	5	2	NORTH
LONGITUDE:	7	7	3	7	3	9	WEST

		Curb Ramp Number																
		Ramp Field Measured Values																
Feature	**Criteria**	**1**		**2**		**3**		**4**		**5**		**6**		**7**		**8**		**Notes**
Ramp	Standard Sheet Type											2						
	Running Slope (%)											10.7						
	Cross Slope (%)											0.7						
	Length (ft)											7.25						
	Width (ft)											6.25						
	Side Flare Slope (%)	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	
												9.5	9.8					
Turning Space (top of ramp)	Length (ft)											8.08						
	Width (ft)											7.5						
	Cross Slope (%)											0.1						
Detectable Warning	Dome Orientation											Perp						
	Color											Grey						
	Length (ft)											2						
	Width (ft)											5						
	Condition											Old						Truncated Domes Missing
Transition to Roadway	Vertical Difference (in)											0						
Clear Space (bottom of ramp)	Length (ft)											5						
	Width (ft)											6.25						
	Cross Slope (%)											0.7						
	Counter Slope (%)											1.1						

NYSDOT - Region 4
Curb Ramp Inventory Form



Indicate North Direction



PIN:	
DATE:	12/6/2017
PREPARED BY:	TCR

Identify curb ramp number and complete that column. For diagonal ramps merge the two fields, then complete the column.

	Degrees		Minutes		Seconds		
LATITUDE:	4	3	0	9	5	2	NORTH
LONGITUDE:	7	7	3	7	3	9	WEST

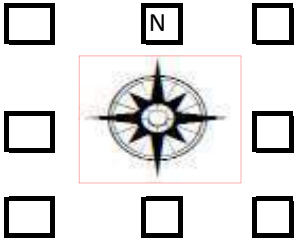
		Curb Ramp Number																
		Ramp Field Measured Values																
Feature	**Criteria**	**1**		**2**		**3**		**4**		**5**		**6**		**7**		**8**		**Notes**
Ramp	Standard Sheet Type													2				
	Running Slope (%)													10.2				
	Cross Slope (%)													1.5				
	Length (ft)													4.42				
	Width (ft)													4.17				
	Side Flare Slope (%)	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	
														16.1	16			
Turning Space (top of ramp)	Length (ft)													4				
	Width (ft)													9.42				
	Cross Slope (%)													0.4				
Detectable Warning	Dome Orientation													Perp				
	Color													Grey				
	Length (ft)													2				
	Width (ft)													5				
	Condition													Old				Truncated Domes Missing
Transition to Roadway	Vertical Difference (in)													0				
Clear Space (bottom of ramp)	Length (ft)													5				Roadway
	Width (ft)													4.17				
	Cross Slope (%)													0.2				
	Counter Slope (%)													2.1				

Lyell Ave & Verona St

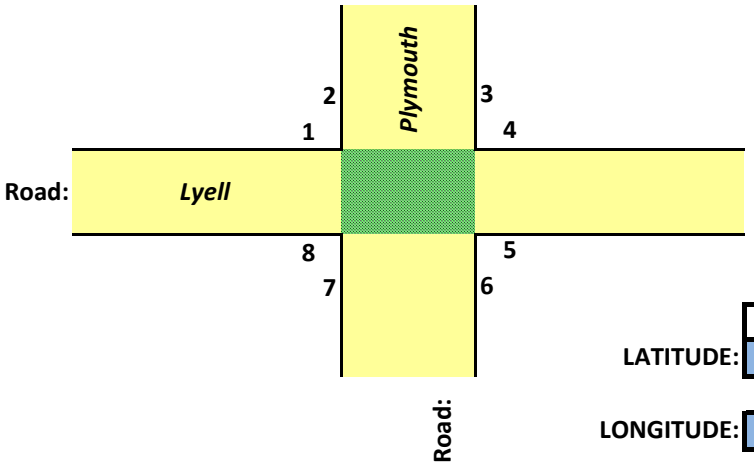
SE Corner – CW 6

SW Corner – CW 7

NYSDOT - Region 4
Curb Ramp Inventory Form



Indicate North Direction



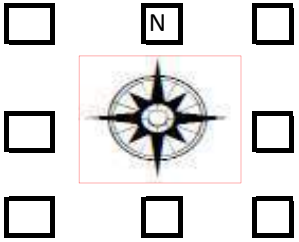
PIN:	
DATE:	12/6/2017
PREPARED BY:	TCR

Identify curb ramp number and complete that column. For diagonal ramps merge the two fields, then complete the column.

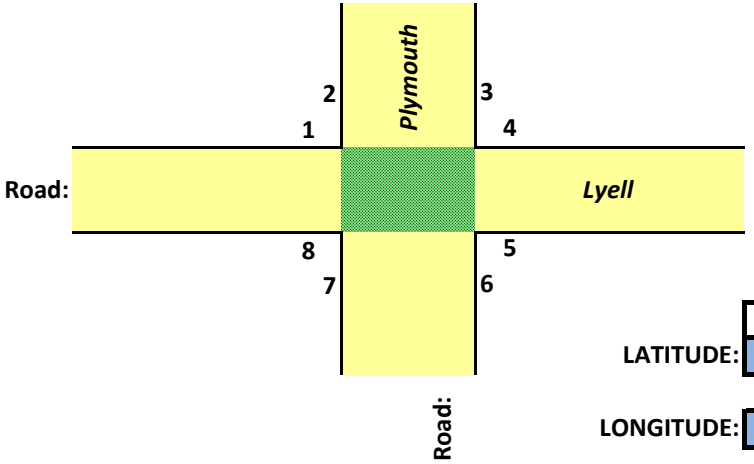
	Degrees		Minutes		Seconds		
LATITUDE:	4	3	0	9	5	3	NORTH
LONGITUDE:	7	7	3	7	3	5	WEST

		Curb Ramp Number														
		Ramp Field Measured Values														
Feature	**Criteria**	**1**		**3**		**4**		**5**		**6**		**7**		**8**		**Notes**
Ramp	Standard Sheet Type	2														
	Running Slope (%)	8.9														
	Cross Slope (%)	1.5														
	Length (ft)	8.58														
	Width (ft)	5														
	Side Flare Slope (%)	***LT***	***RT***	***LT***	***RT***	***LT***	***RT***	***LT***	***RT***	***LT***	***RT***	***LT***	***RT***	***LT***	***RT***	
		8.8	6.4													
Turning Space (top of ramp)	Length (ft)	N/A														Concrete Curb/Parking Lot
	Width (ft)	N/A														
	Cross Slope (%)	N/A														
Detectable Warning	Dome Orientation	N/A														No D/W Present
	Color	N/A														
	Length (ft)	N/A														
	Width (ft)	N/A														
	Condition	N/A														
Transition to Roadway	Vertical Difference (in)	0"														
Clear Space (bottom of ramp)	Length (ft)	5'														Roadway
	Width (ft)	5'														
	Cross Slope (%)	0.5														
	Counter Slope (%)	0.5														

NYSDOT - Region 4
Curb Ramp Inventory Form



Indicate North Direction



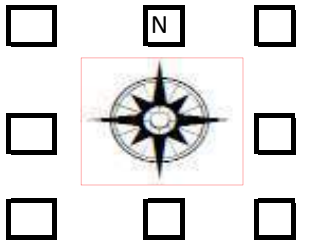
PIN:	
DATE:	12/6/2017
PREPARED BY:	TCR

Identify curb ramp number and complete that column. For diagonal ramps merge the two fields, then complete the column.

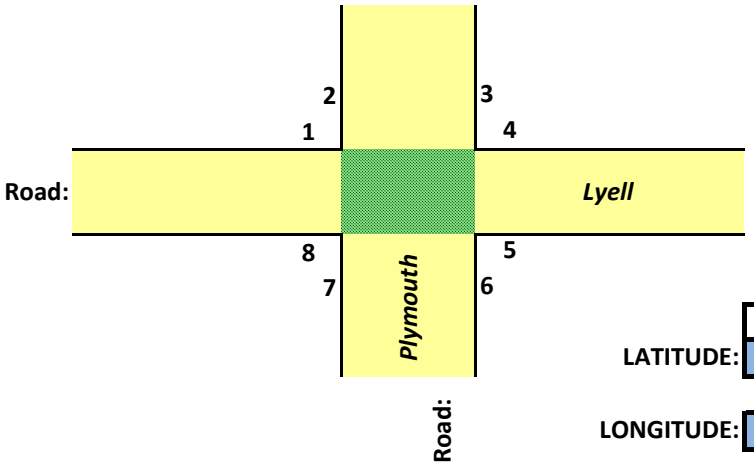
	Degrees		Minutes		Seconds		
LATITUDE:	4	3	0	9	5	3	NORTH
LONGITUDE:	7	7	3	7	3	4	WEST

		Curb Ramp Number														
		Ramp Field Measured Values														
Feature	**Criteria**	**1**		**2**		**3**		**5**		**6**		**7**		**8**		**Notes**
Ramp	Standard Sheet Type					2										
	Running Slope (%)					5.9										
	Cross Slope (%)					1.2										
	Length (ft)					7.75										
	Width (ft)					9.08										
	Side Flare Slope (%)	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	
						7.0	9.2									
Turning Space (top of ramp)	Length (ft)					5										
	Width (ft)					5										
	Cross Slope (%)					1.1										
Detectable Warning	Dome Orientation					N/A										No D/W Present
	Color					N/A										
	Length (ft)					N/A										
	Width (ft)					N/A										
	Condition					N/A										
Transition to Roadway	Vertical Difference (in)					0"										
Clear Space (bottom of ramp)	Length (ft)					1.83										
	Width (ft)					9.08										
	Cross Slope (%)					1.1										
	Counter Slope (%)					0.5										

NYSDOT - Region 4
Curb Ramp Inventory Form



Indicate North Direction



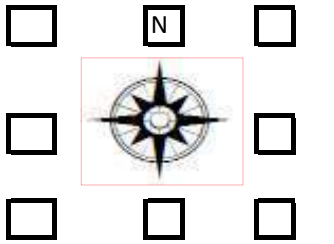
PIN:	
DATE:	12/6/2017
PREPARED BY:	TCR

Identify curb ramp number and complete that column. For diagonal ramps merge the two fields, then complete the column.

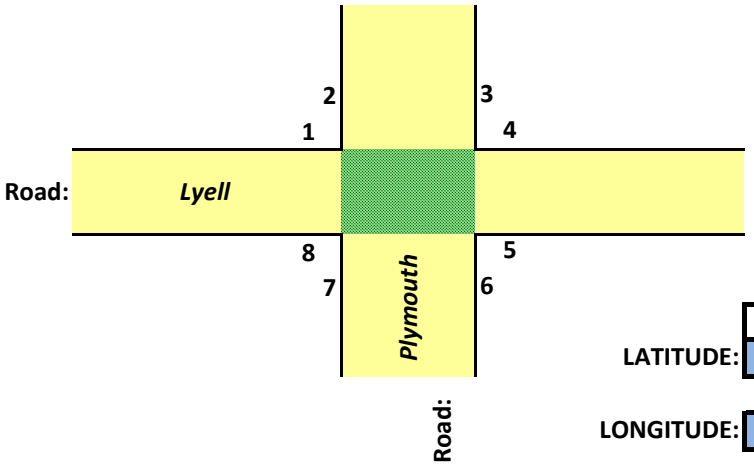
	Degrees		Minutes		Seconds		
LATITUDE:	4	3	0	9	5	2	NORTH
LONGITUDE:	7	7	3	7	3	3	WEST

		Curb Ramp Number														
		Ramp Field Measured Values														
Feature	**Criteria**	**1**		**2**		**3**		**4**		**5**		**7**		**8**		**Notes**
Ramp	Standard Sheet Type									2						
	Running Slope (%)									2.9						
	Cross Slope (%)									1						
	Length (ft)									5.33						
	Width (ft)									5						
	Side Flare Slope (%)	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	
										4.9	5.7					
Turning Space (top of ramp)	Length (ft)									6.83						
	Width (ft)									5						
	Cross Slope (%)									1.3						
Detectable Warning	Dome Orientation									Perpendicular						
	Color									Grey						
	Length (ft)									2						
	Width (ft)									5						
	Condition									Deteriorating						
Transition to Roadway	Vertical Difference (in)									0"						
Clear Space (bottom of ramp)	Length (ft)									5						Roadway
	Width (ft)									5						
	Cross Slope (%)									2						
	Counter Slope (%)									2.6						

NYSDOT - Region 4
Curb Ramp Inventory Form



Indicate North Direction



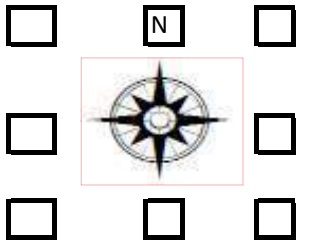
PIN:	
DATE:	12/6/2017
PREPARED BY:	TCR

Identify curb ramp number and complete that column. For diagonal ramps merge the two fields, then complete the column.

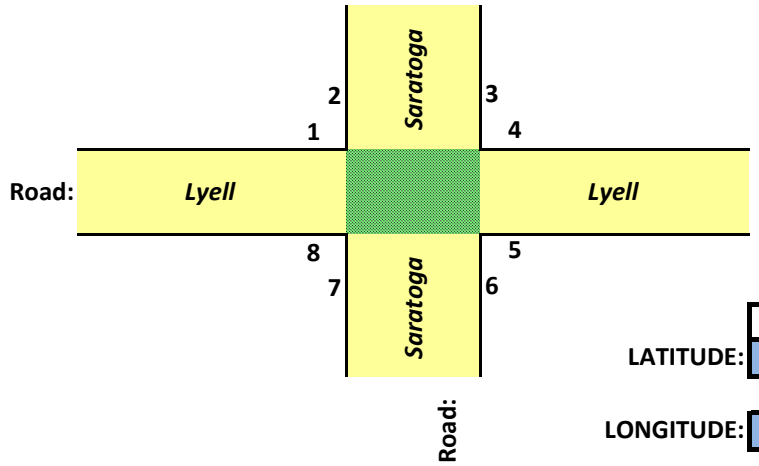
	Degrees		Minutes		Seconds		
LATITUDE:	4	3	0	9	5	2	NORTH
LONGITUDE:	7	7	3	7	3	4	WEST

		Curb Ramp Number																
		Ramp Field Measured Values																
Feature	**Criteria**	**1**		**2**		**3**		**4**		**5**		**6**		**7**		**8**		**Notes**
Ramp	Standard Sheet Type													2				
	Running Slope (%)													6.5				
	Cross Slope (%)													0.2				
	Length (ft)													5				
	Width (ft)													5				
	Side Flare Slope (%)	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	
														5.4	8.5			
Turning Space (top of ramp)	Length (ft)													4.75				
	Width (ft)													4.58				
	Cross Slope (%)													1.9				
Detectable Warning	Dome Orientation													Perp				
	Color													Grey				
	Length (ft)													5				
	Width (ft)													2				
	Condition													Det				Deteriorating
Transition to Roadway	Vertical Difference (in)													0				
Clear Space (bottom of ramp)	Length (ft)													5				Roadway
	Width (ft)													5				
	Cross Slope (%)													0.5				
	Counter Slope (%)													2.3				

NYSDOT - Region 4
Curb Ramp Inventory Form



Indicate North Direction



PIN:	
DATE:	12/6/2017
PREPARED BY:	TCR

Identify curb ramp number and complete that column. For diagonal ramps merge the two fields, then complete the column.

	Degrees		Minutes		Seconds		
LATITUDE:	4	3	0	9	5	2	NORTH
LONGITUDE:	7	7	3	7	3	5	WEST

		Curb Ramp Number																
		Ramp Field Measured Values																
Feature	**Criteria**	**1**		**2**		**3**		**4**		**5**		**6**		**7**		**8**		**Notes**
Ramp	Standard Sheet Type															2		
	Running Slope (%)															9.1		
	Cross Slope (%)															1.5		
	Length (ft)															5.17		
	Width (ft)															4.83		
	Side Flare Slope (%)	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	
																13.5	7.6	
Turning Space (top of ramp)	Length (ft)															3.83		
	Width (ft)															4.25		
	Cross Slope (%)															2.6		
Detectable Warning	Dome Orientation															Perp		
	Color															Grey		
	Length (ft)															2		
	Width (ft)															5		
	Condition															Det		Domes Missing
Transition to Roadway	Vertical Difference (in)															0"		
Clear Space (bottom of ramp)	Length (ft)															5		Roadway
	Width (ft)															4.83		
	Cross Slope (%)															1		
	Counter Slope (%)															0.2		

Lyell Ave & Plymouth Ave

NW Corner – CW 1

NE Corner – CW 3

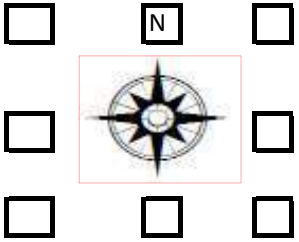
SE Corner – CW 5

Lyell Ave & Plymouth Ave

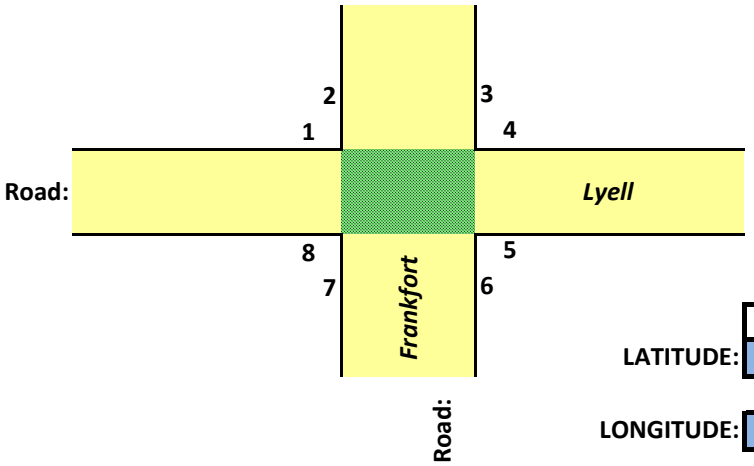
SW Corner – CW 7

SW Corner – CW 8

NYSDOT - Region 4
Curb Ramp Inventory Form



Indicate North Direction



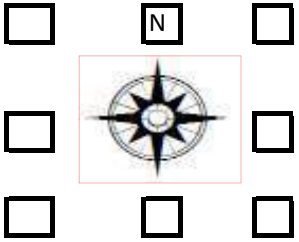
PIN:	
DATE:	12/21/2017
PREPARED BY:	JB

Identify curb ramp number and complete that column. For diagonal ramps merge the two fields, then complete the column.

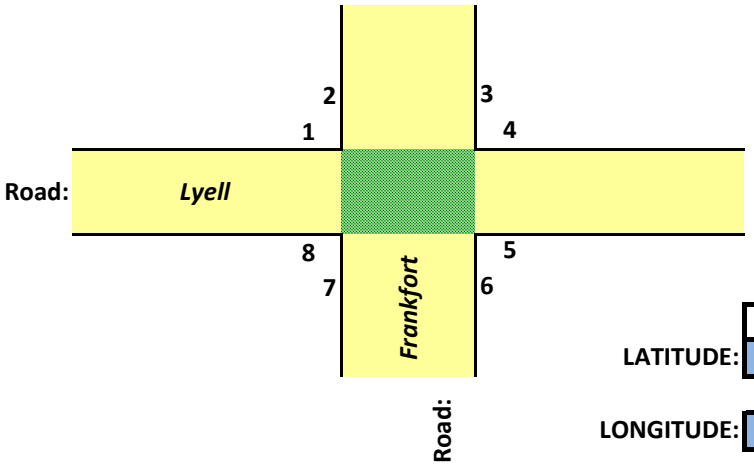
	Degrees		Minutes		Seconds		
LATITUDE:	4	3	0	9	5	2	NORTH
LONGITUDE:	7	7	3	7	3	0	WEST

		Curb Ramp Number																
		Ramp Field Measured Values																
Feature	**Criteria**	**1**		**2**		**3**		**4**		**5**		**6**		**7**		**8**		**Notes**
Ramp	Standard Sheet Type																	
	Running Slope (%)											6.7						
	Cross Slope (%)											3.7						
	Length (ft)											5.5						
	Width (ft)											4.83						
	Side Flare Slope (%)	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	
												6.1	n/a					
Turning Space (top of ramp)	Length (ft)											4.25						
	Width (ft)											4.83						
	Cross Slope (%)											1						
Detectable Warning	Dome Orientation											n/a						none
	Color											n/a						
	Length (ft)											n/a						
	Width (ft)											n/a						
	Condition											n/a						
Transition to Roadway	Vertical Difference (in)											0						
Clear Space (bottom of ramp)	Length (ft)											3						
	Width (ft)											5						
	Cross Slope (%)											2.5						
	Counter Slope (%)											1.6						

NYSDOT - Region 4
Curb Ramp Inventory Form



Indicate North Direction



PIN:	
DATE:	12/21/2017
PREPARED BY:	JB

Identify curb ramp number and complete that column. For diagonal ramps merge the two fields, then complete the column.

	Degrees		Minutes		Seconds		
LATITUDE:	4	3	0	9	5	3	NORTH
LONGITUDE:	7	7	3	7	3	0	WEST

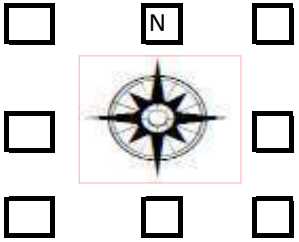
		Curb Ramp Number																
		Ramp Field Measured Values																
Feature	**Criteria**	**1**		**2**		**3**		**4**		**5**		**6**		**7**		**8**		**Notes**
Ramp	Standard Sheet Type																	
	Running Slope (%)													11.3				
	Cross Slope (%)													4.8				
	Length (ft)													4.33				
	Width (ft)													3.5				
	Side Flare Slope (%)	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	
														9.9	11.1			
Turning Space (top of ramp)	Length (ft)													4.5				
	Width (ft)													4.33				
	Cross Slope (%)													1.7				
Detectable Warning	Dome Orientation													n/a				none
	Color													n/a				
	Length (ft)													n/a				
	Width (ft)													n/a				
	Condition													n/a				
Transition to Roadway	Vertical Difference (in)													0				
Clear Space (bottom of ramp)	Length (ft)													n/a				roadway
	Width (ft)													n/a				
	Cross Slope (%)													n/a				
	Counter Slope (%)													n/a				

Lyell Ave & Frankfort St

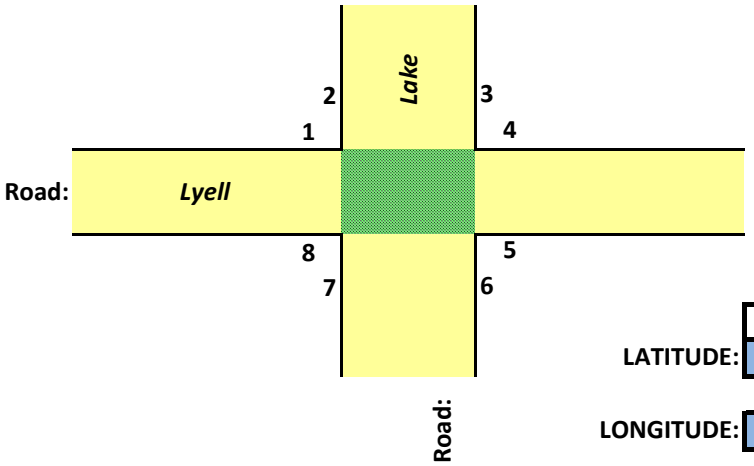
SE Corner – CW 6

SW Corner – CW 7

NYSDOT - Region 4
Curb Ramp Inventory Form



Indicate North Direction



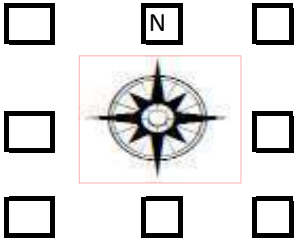
PIN:	
DATE:	12/21/2017
PREPARED BY:	JB

Identify curb ramp number and complete that column. For diagonal ramps merge the two fields, then complete the column.

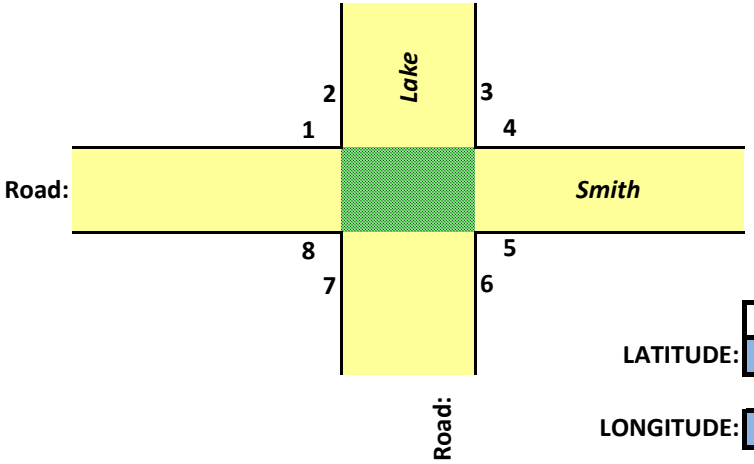
	Degrees		Minutes		Seconds		
LATITUDE:	4	3	0	9	5	3	NORTH
LONGITUDE:	7	7	3	7	2	5	WEST

		Curb Ramp Number																
		Ramp Field Measured Values																
Feature	**Criteria**	**1**				**3**		**4**		**5**		**6**		**7**		**8**		**Notes**
Ramp	Standard Sheet Type																	
	Running Slope (%)	4.2																
	Cross Slope (%)	1																
	Length (ft)	6.25																
	Width (ft)	5																
	Side Flare Slope (%)	*LT*			*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	
		7.4			7.6													
Turning Space (top of ramp)	Length (ft)	5.58																
	Width (ft)	4.67																
	Cross Slope (%)	1.9																
Detectable Warning	Dome Orientation	perp																
	Color	grey																
	Length (ft)	2																
	Width (ft)	5																
	Condition	good																
Transition to Roadway	Vertical Difference (in)	-0.125																
Clear Space (bottom of ramp)	Length (ft)	0																road
	Width (ft)	5																
	Cross Slope (%)	2.1																
	Counter Slope (%)	1.6																

NYSDOT - Region 4
Curb Ramp Inventory Form



Indicate North Direction



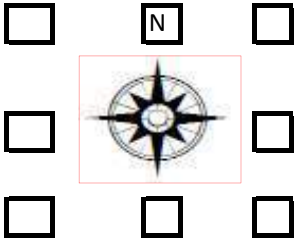
PIN:	
DATE:	12/21/2017
PREPARED BY:	JB

Identify curb ramp number and complete that column. For diagonal ramps merge the two fields, then complete the column.

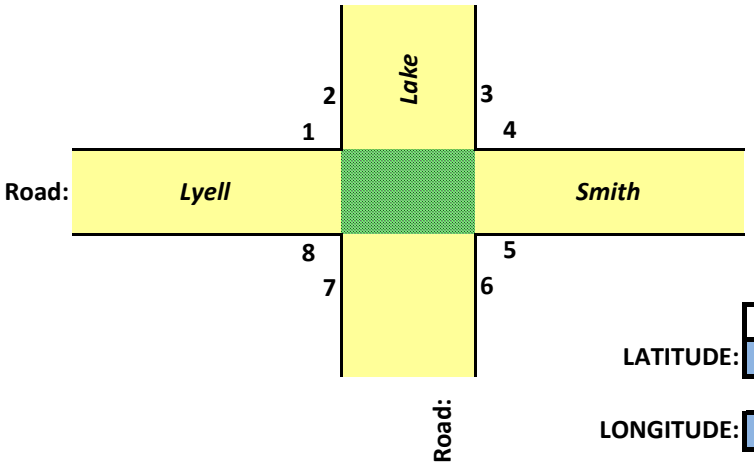
	Degrees		Minutes		Seconds		
LATITUDE:	4	3	0	9	5	3	NORTH
LONGITUDE:	7	7	3	7	2	4	WEST

		Curb Ramp Number																
		Ramp Field Measured Values																
Feature	**Criteria**	**1**		**2**		**3**		**4**		**5**		**6**		**7**		**8**		**Notes**
Ramp	Standard Sheet Type																	
	Running Slope (%)					6.7												
	Cross Slope (%)					2.4												
	Length (ft)					6.83												
	Width (ft)					5												
	Side Flare Slope (%)	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	
						4.9	5.9											
Turning Space (top of ramp)	Length (ft)					6.58												
	Width (ft)					5												
	Cross Slope (%)					0.8												
Detectable Warning	Dome Orientation					perp												
	Color					grey												
	Length (ft)					2												
	Width (ft)					5												
	Condition					poor												domes missing, sunken bricks
Transition to Roadway	Vertical Difference (in)					-0.25												
Clear Space (bottom of ramp)	Length (ft)					4												
	Width (ft)					5												
	Cross Slope (%)					1.1												
	Counter Slope (%)					1												

NYSDOT - Region 4
Curb Ramp Inventory Form



Indicate North Direction



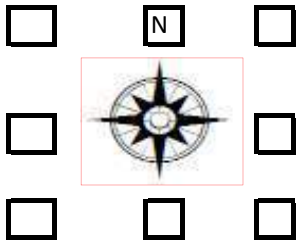
PIN:	
DATE:	12/21/2017
PREPARED BY:	JB

Identify curb ramp number and complete that column. For diagonal ramps merge the two fields, then complete the column.

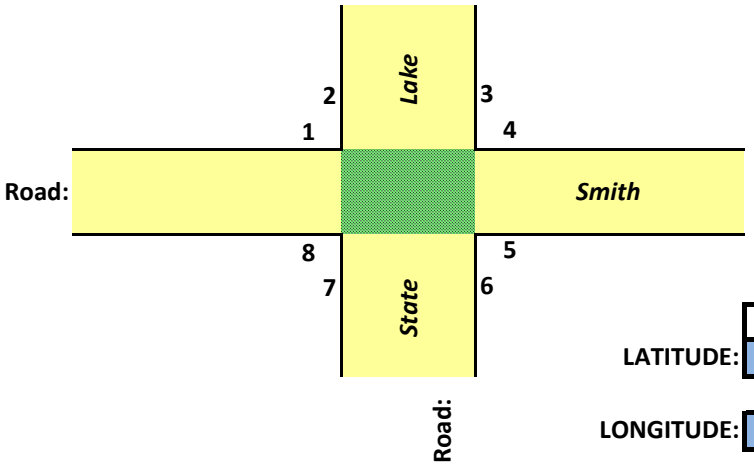
	Degrees		Minutes		Seconds		
LATITUDE:	4	3	0	9	5	3	NORTH
LONGITUDE:	7	7	3	7	2	3	WEST

		Curb Ramp Number																
		Ramp Field Measured Values																
Feature	**Criteria**	**1**		**2**		**3**		**4**		**5**		**6**		**7**		**8**		**Notes**
Ramp	Standard Sheet Type																	
	Running Slope (%)							8.4										
	Cross Slope (%)							1.1										
	Length (ft)							5.58										
	Width (ft)							5										
	Side Flare Slope (%)	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	
								9.5	6.8									
Turning Space (top of ramp)	Length (ft)							3.75										
	Width (ft)							5										
	Cross Slope (%)							2										
Detectable Warning	Dome Orientation							perp										
	Color							grey										
	Length (ft)							2										
	Width (ft)							5										
	Condition							good										brick
Transition to Roadway	Vertical Difference (in)							-0.25										
Clear Space (bottom of ramp)	Length (ft)							0										road
	Width (ft)							5										
	Cross Slope (%)							1.9										
	Counter Slope (%)							0.9										

NYSDOT - Region 4
Curb Ramp Inventory Form



Indicate North Direction



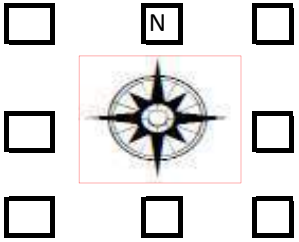
PIN:	
DATE:	12/21/2017
PREPARED BY:	JB

Identify curb ramp number and complete that column. For diagonal ramps merge the two fields, then complete the column.

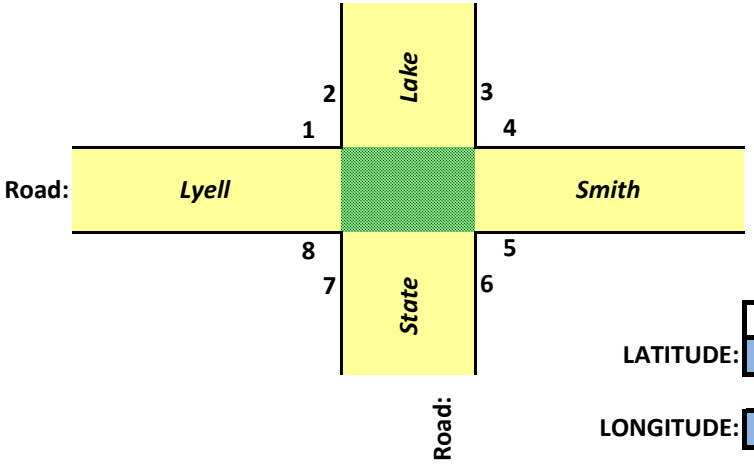
	Degrees		Minutes		Seconds		
LATITUDE:	4	3	0	9	5	2	NORTH
LONGITUDE:	7	7	3	7	2	2	WEST

		Curb Ramp Number																
		Ramp Field Measured Values																
Feature	**Criteria**	**1**		**2**		**3**		**4**		**5**				**7**		**8**		**Notes**
Ramp	Standard Sheet Type																	
	Running Slope (%)									7.4								
	Cross Slope (%)									0.7								
	Length (ft)									5.33								
	Width (ft)									5								
	Side Flare Slope (%)	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*			*RT*	*LT*	*RT*	*LT*	*RT*	
										4.9			7.6					
Turning Space (top of ramp)	Length (ft)									5.17								
	Width (ft)									5								
	Cross Slope (%)									1.2								
Detectable Warning	Dome Orientation									perp								
	Color									grey								
	Length (ft)									2								
	Width (ft)									5								
	Condition									good								
Transition to Roadway	Vertical Difference (in)									0								
Clear Space (bottom of ramp)	Length (ft)									6								
	Width (ft)									5								
	Cross Slope (%)									1.6								
	Counter Slope (%)									1.5								

NYSDOT - Region 4
Curb Ramp Inventory Form



Indicate North Direction



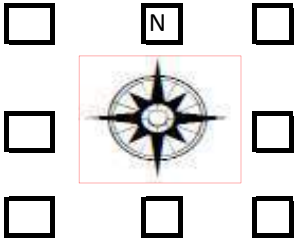
PIN:	
DATE:	12/21/2017
PREPARED BY:	JB

Identify curb ramp number and complete that column. For diagonal ramps merge the two fields, then complete the column.

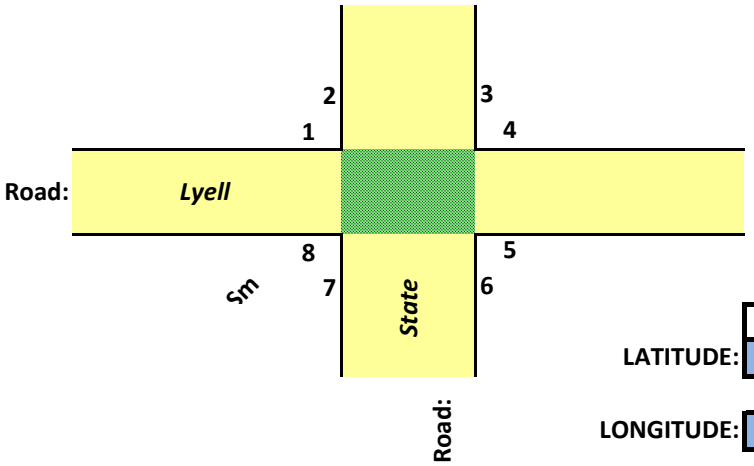
	Degrees		Minutes		Seconds		
LATITUDE:	4	3	0	9	5	2	NORTH
LONGITUDE:	7	7	3	7	2	4	WEST

		Curb Ramp Number																
		Ramp Field Measured Values																
Feature	**Criteria**	**1**		**2**		**3**		**4**		**5**		**6**		**7**		**8**		**Notes**
Ramp	Standard Sheet Type																	
	Running Slope (%)													8.7				
	Cross Slope (%)													2.6				
	Length (ft)													6.08				
	Width (ft)													5				
	Side Flare Slope (%)	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	
														7	9.9			
Turning Space (top of ramp)	Length (ft)													8.08				
	Width (ft)													5				
	Cross Slope (%)													2.7				
Detectable Warning	Dome Orientation													perp				
	Color													grey				
	Length (ft)													2				
	Width (ft)													5				
	Condition													good				
Transition to Roadway	Vertical Difference (in)													0				
Clear Space (bottom of ramp)	Length (ft)													0				
	Width (ft)													5				
	Cross Slope (%)													0.6				
	Counter Slope (%)													2.8				

NYSDOT - Region 4
Curb Ramp Inventory Form



Indicate North Direction



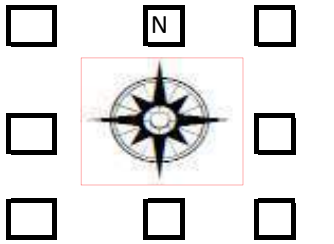
PIN:	
DATE:	12/21/2017
PREPARED BY:	JB

Identify curb ramp number and complete that column. For diagonal ramps merge the two fields, then complete the column.

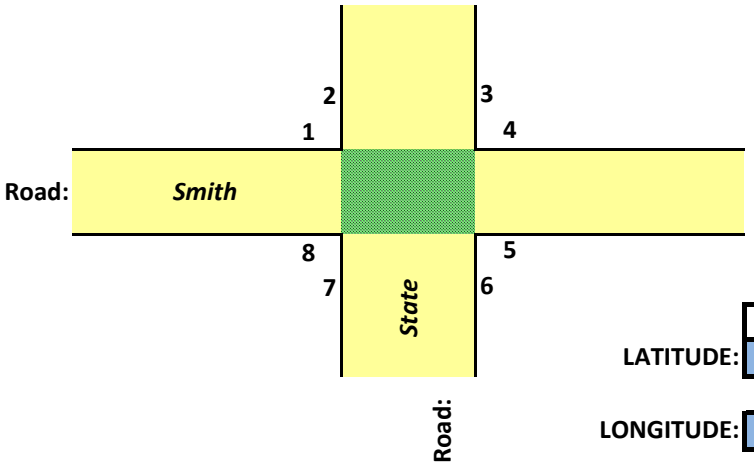
	Degrees		Minutes		Seconds		
LATITUDE:	4	3	0	9	5	3	NORTH
LONGITUDE:	7	7	3	7	2	4	WEST

		Curb Ramp Number																
		Ramp Field Measured Values																
Feature	**Criteria**	**1**		**2**		**3**		**4**		**5**		**6**		**7**		**8**		**Notes**
Ramp	Standard Sheet Type																	
	Running Slope (%)															8.4		
	Cross Slope (%)															1.5		
	Length (ft)															6.67		
	Width (ft)															6.33		
	Side Flare Slope (%)	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	
																8.7	3.9	
Turning Space (top of ramp)	Length (ft)															5		
	Width (ft)															6		
	Cross Slope (%)															2.4		
Detectable Warning	Dome Orientation															perp		
	Color															grey		
	Length (ft)															2.25		
	Width (ft)															6.33		
	Condition															poor		missing domes, brick sunken
Transition to Roadway	Vertical Difference (in)															0		
Clear Space (bottom of ramp)	Length (ft)															7.83		
	Width (ft)															6.33		
	Cross Slope (%)															1.6		
	Counter Slope (%)															1.9		

NYSDOT - Region 4
Curb Ramp Inventory Form



Indicate North Direction



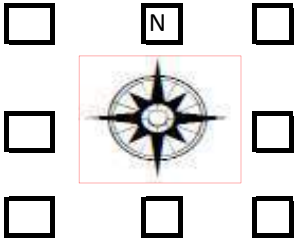
PIN:	
DATE:	12/21/2017
PREPARED BY:	JB

Identify curb ramp number and complete that column. For diagonal ramps merge the two fields, then complete the column.

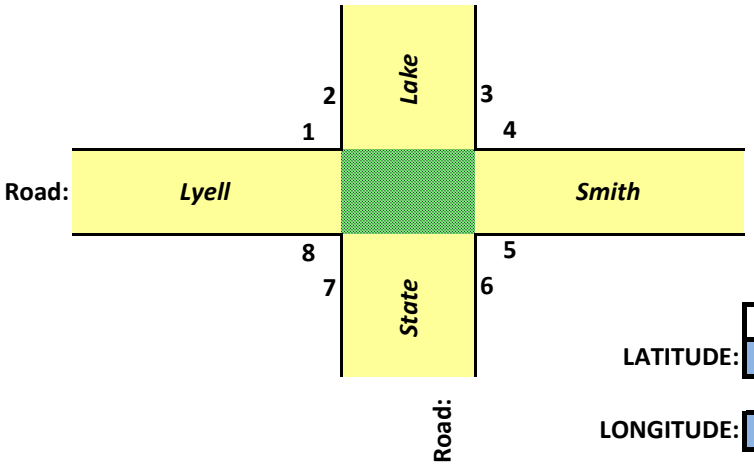
	Degrees		Minutes		Seconds		
LATITUDE:	4	3	0	9	5	2	NORTH
LONGITUDE:	7	7	3	7	2	4	WEST

		Curb Ramp Number																
		Ramp Field Measured Values																
Feature	**Criteria**	**1**		**2**		**3**		**4**		**5**		**6**		**7**		**8**		**Notes**
Ramp	Standard Sheet Type																	
	Running Slope (%)															8.5		
	Cross Slope (%)															4		
	Length (ft)															5		
	Width (ft)															5		
	Side Flare Slope (%)	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	
																6.6	4.5	
Turning Space (top of ramp)	Length (ft)															4		
	Width (ft)															6.83		
	Cross Slope (%)															2.8		
Detectable Warning	Dome Orientation															perp		
	Color															grey		
	Length (ft)															2		
	Width (ft)															5		
	Condition															poor		sunken brick
Transition to Roadway	Vertical Difference (in)															-0.25		
Clear Space (bottom of ramp)	Length (ft)															0		road
	Width (ft)															5		
	Cross Slope (%)															1.8		
	Counter Slope (%)															1.2		

NYSDOT - Region 4
Curb Ramp Inventory Form



Indicate North Direction



PIN:	
DATE:	12/21/2017
PREPARED BY:	JB

Identify curb ramp number and complete that column. For diagonal ramps merge the two fields, then complete the column.

	Degrees		Minutes		Seconds		
LATITUDE:	4	3	0	9	5	2	NORTH
LONGITUDE:	7	7	3	7	2	4	WEST

		Curb Ramp Number																
		Ramp Field Measured Values																
Feature	**Criteria**	**1**		**2**		**3**		**4**		**5**		**6**		**7**		**8**		**Notes**
Ramp	Standard Sheet Type																	
	Running Slope (%)															8.4		
	Cross Slope (%)															3.3		
	Length (ft)															7.75		
	Width (ft)															5		
	Side Flare Slope (%)	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	*LT*	*RT*	
																5.7	8.2	
Turning Space (top of ramp)	Length (ft)															5		
	Width (ft)															5		
	Cross Slope (%)															3.4		
Detectable Warning	Dome Orientation															perp		
	Color															grey		
	Length (ft)															2		
	Width (ft)															5		
	Condition															good		brick
Transition to Roadway	Vertical Difference (in)															0		
Clear Space (bottom of ramp)	Length (ft)															0		
	Width (ft)															5		
	Cross Slope (%)															3.3		
	Counter Slope (%)															1.5		

Lyell Ave & Lake Ave

NW Corner (crossing Lyell) – CW 1

NE Corner (Crossing Lake) – CW 3

NE Corner (crossing Smith) – CW 4

SE Corner (crossing State) – CW 5

Lyell Ave & Lake Ave

SW Corner (crossing State) – CW 7

SW Corner S. Side Ramp
(crossing Lyell)– CW 8

SW Corner S. Side Ramp
(crossing Smith) – CW 8

SW Corner N. Side Ramp
(crossing Smith) – CW 8

APPENDIX 'G'

Federal Environmental Approvals Worksheet (FEAW)

T·Y·LIN INTERNATIONAL

engineers | planners | scientists

Federal Environmental Approval Worksheet

PIN: 4CR004	Completed by:EDR	Date completed: 6/28/2018	FUNDING TYPE: 100% State Funding
DESCRIPTION: The proposed Project generally includes milling and resurfacing Lyell Avenue from Lake Avenue to Mount Read Boulevard in Rochester, New York. The Project, in total, is approximately 9,600 feet in length. All Project work will be limited to the existing right of way.			NEPA CLASS: Class II: CE SEQR TYPE: Type II
LOCALITY (Village, Town, City): City of Rochester			COUNTY: Monroe

Purpose of this Worksheet:

- Implement the ***P**rogrammatic **A**greement Between the Federal Highway Administration, New York Division (FHWA), and the New York State Department of Transportation (NYSDOT) **R**egarding the Processing of Actions Classified as **C**ategorical **E**xclusions (CEs) for Federal-Aid Highway Projects* (PARCE), executed September 2017.
- Communicate the project National Environmental Policy Act (NEPA) classification and identify whether the FHWA or the NYSDOT (titles identified per Project Development Manual (PDM) Chapter 4, Exhibit 4-2 is making the CE determination.
- Identify any FHWA independent determinations, approvals and/or concurrences required before the CE determination can be made.
- To be included within the Design Approval Document (DAD) in accordance with the documentation requirements in the PARCE.

Categorical Exclusion (CE) - a category of actions which do not individually or cumulatively have a significant effect on the human environment and which have been found to have no such effect in procedures adopted by a Federal agency (40 CFR 1508.4). Actions that do not individually or cumulatively have a significant environmental effect are excluded from the requirement to prepare an Environmental Assessment (EA) or Environmental Impact Statement (EIS) (23 CFR 771.115(b)).

Instructions:
Initial review of the Federal Environmental Approval Worksheet (FEAW) should occur in scoping or early in Design Phase I to identify potential risks. Complete new review of the FEAW periodically, particularly if project parameters or site condition changes result in potential resource impacts. Completion of the FEAW with signature in Step 4 is required prior to Design Approval. See PDM Chapter 4 for additional details.

Step 1A: Unusual Circumstances Threshold Determination – 23 CFR 771.117(b)
Do any, or the potential for any, unusual circumstances exist[1]?

- Significant environmental impacts **YES**☐ **NO**☒
- Substantial controversy on environmental grounds **YES**☐ **NO**☒
- Significant impact on properties protected by Section 4(f) of the DOT Act or Section 106 of the National Historic Preservation Act **YES**☐ **NO**☒
- Inconsistencies with any Federal, State, or local law, requirement or administrative determination relating to the environmental aspects of the project **YES**☐ **NO**☒

If yes to any of the above, contact the Main Office Project Liaison (MOPL) (see PDM Exhibit 4-1). Any project which would normally be classified as a CE but could involve unusual circumstances (or even uncertainty) will require consultation with the Office of Environment (OOE) and subsequently with the FHWA to determine if CE classification is still warranted. If, after consultation with the FHWA, it is determined that the project cannot be progressed as a CE, **skip to step 4** and see PDM Chapter 4 for NEPA Class I (EIS) or Class III (EA) processing. If, after consultation with the FHWA, it is determined that the project can be progressed as a CE, **proceed to step 1B.**

If no to all the above, then this project qualifies as a CE; **proceed to step 1B**.

Step 1B: Identification of CE action
Is the project an action listed in 23 CFR 771.117 (c) - (d) (or as identified in FHWA's additional flexibilities memo)?
YES☒ **NO**☐

If Yes, proceed to step 2.

If No, contact the MOPL (see PDM Exhibit 4-1). If, after consultation with the OOE and the FHWA, it is determined that the project cannot be progressed as a CE, **skip to step 4** and see PDM Chapter 4 for NEPA Class I (EIS) or Class III (EA) processing. If, after consultation with the FHWA, it is determined that the project can continue as a CE, **proceed to step 2.**

[1] See definitions and examples of unusual circumstances *in FEAW_Instructions.doc*

Federal Environmental Approval Worksheet

Project ID Number: 4CR004

Step 2: FHWA environmental actions required prior to CE determination[2]
The Step 2 table identifies certain issues that require: the FHWA to make the CE determination (Column A and 2.4); independent FHWA determinations (2.1); FHWA approvals, compliance or concurrence (2.2); or notification to the FHWA (2.3). Review ***the FEAW Thresholds document*** to determine how to fill out each column of Step 2.

2.1	Required FHWA Independent environmental determinations	PARCE threshold exceeded[3]	FHWA independent determination/ concurrence required	Date determination/ concurrence issued	Resource not present, or present but threshold not exceeded
		A	B	B1	C
Executive Order (EO) 11990 Protection of Wetlands Individual Finding			☐	Date Issued	☒
ESA Section 7 Threatened and Endangered Species		☐	☐	Date Issued	☒
Section 106 of National Historic Preservation Act		☐	☐	Click here to enter a date.	☒
Section 4(f) (Park, Wildlife Refuge, Historic Sites, and National Wild and Scenic Rivers)		☐	☐	Date Issued	☒
2.2	**Other FHWA environmental approvals, compliance and/or concurrence required**	**PARCE threshold exceeded[3]**	**Threshold exceeded; FHWA approval, compliance or concurrence required**		**Resource not present, or present but threshold not exceeded**
EO 11988 Floodplains		☐	☐		☒
EO 13112 Invasive Species			☐		☒
EO 12898 Environmental Justice			☐		☒
Safe Drinking Water Act Section 1424(e)			☐		☒
US Army Corps of Engineers, Section 404/10 NWP #23			☐		☒
Section 6(f) Land and Water Conservation Funds			☐		☒
Migratory Bird Treaty Act			☐		☒
23CFR772 Type I Noise abatement			☐		☒
2.3	**Other Environmental Issues requiring FHWA notification**	**PARCE threshold exceeded[3]**	**FHWA notification threshold exceeded**		**Resource not present, or present but threshold not exceeded**
US Army Corps of Engineers, Section 404/10 Individual Permit		☐	☐		☒
National Wild and Scenic Rivers		☐	☐		☒
US Coast Guard Bridge Permit		☐	☐		☒
Known hazardous waste site (only EPA National Priority list)			☐		☒
Project on or affecting Native American Lands			☐		☒
2.4	**Other Issues Triggering FHWA Approval of Categorical Exclusion**	**PARCE threshold exceeded[3]**			**Resource not present, or present but threshold not exceeded**
Property Acquisition		☐			☒
Major Traffic Disruptions		☐			☒

[2] **This table does not represent all environmental issues and actions that a project is subject to**. Classification as a CE does not exempt the project from further environmental review. Refer to the PDM and The Environmental Manual (TEM) to determine review requirements.
[3] When PARCE threshold is exceeded, the NYSDOT recommends that the project qualifies as a CE and requests the FHWA make the CE determination. Information on PARCE specific thresholds are contained within ***the FEAW Thresholds document.***

Federal Environmental Approval Worksheet

Changes in Access Control	☐		☒

Project ID Number: 4CR004

Step 3: Who makes the NEPA CE Determination?

To identify which party, either the FHWA or the NYSDOT, makes the CE determination in accordance with the PARCE, follow the instructions found in the table below, beginning in Step 3A. This step also identifies which correspondence shell to use to distribute the FEAW and other environmental notifications or approvals.

3	**Determine whether the FHWA or the NYSDOT makes the CE determination and whether additional notifications or approvals are required.**
3A	**Is the project an action listed in 23 CFR 771.117 (c) - (d)** (Answered yes in Step 1B)**?** **YES** ☒ If Yes, **proceed to 3B.** **NO** ☐ If No, the FHWA makes the CE determination. • For **Locally Administered Federal Aid Projects only**, the DAD, the NYSDOT recommendation and request (that the FHWA determines the project qualifies as a CE) are sent from the Regional Planning and Program Manager (RPPM) to the FHWA directly using **Shell 4.** • For all other projects, the DAD and the NYSDOT recommendation and request (that the FHWA determines the project qualifies as a CE) are sent to the MOPL for review using **Shell 3**. **Proceed to Step 4.**
3B	**Are any of the CE Thresholds from the PARCE not met** (Are there any checks in Column A of Step 2)**?** **YES** ☐ If Yes, the FHWA makes the CE determination. • For **Locally Administered Federal Aid Projects only**, the DAD and the NYSDOT recommendation and request (that the FHWA determines the project qualifies as a CE) are sent from the RPPM to the FHWA directly using **Shell 4.** • For all other projects, the DAD and the NYSDOT recommendation and request (that the FHWA determines the project qualifies as a CE) are sent to the MOPL for review using **Shell 3**. **Proceed to Step 4.** **NO** ☒ If No, **proceed to 3C.**
3C	**Are there outstanding independent environmental approvals or concurrences?** (Are there checks in column B of Step 2.1 without dates in column B1)**?** **YES** ☐ If Yes, then the <u>FHWA makes the CE determination</u>. • For **Locally Administered Federal Aid Projects only**, the DAD and the NYSDOT recommendation and request (that the FHWA determines the project qualifies as a CE) are sent from the RPPM to the FHWA directly using **Shell 4.** • For all other projects, the DAD and the NYSDOT recommendation and request (that the FHWA determines the project qualifies as a CE) are sent to the MOPL for review using **Shell 3**. **Proceed to Step 4.** **NO** ☒ If No, the NYSDOT makes the NEPA CE determination. **Proceed to 3D.**
3D	**Are there** ☐ any circumstances requiring demonstration of applicable EO compliance (any checks in column B of Table 2.2); or ☐ any issues requiring the FHWA environmental notification (any checks in column B of Table 2.3)? **YES** ☐ If **either** box is checked, **once all required approvals and concurrences have been secured,** the NYSDOT makes the CE determination but the information must be forwarded to FHWA for notification or action prior to Design Approval using **Shell 1. Proceed to step 5.** **NO** ☒ If **neither** box is checked, **once all required approvals and concurrences have been secured** the NYSDOT makes the CE determination without notification to the FHWA. The project will use **Shell 2**. **Proceed to step 4.**

Federal Environmental Approval Worksheet

Project ID Number: 4CR004

Step 4: Summary and Recommendation

- The project **is not** located within an area subject to transportation air quality conformity.
  - **If the project is within such areas, the NEPA process may not be completed until all transportation conformity requirements are met[4].** Transportation conformity requirements **have** been met at the time of this signature.
- This project does qualify to be progressed as a Categorical Exclusion.
- The NEPA Determination will be made by NYSDOT
- Project is c(26) "Modernization of a highway by resurfacing, restoration, rehabilitation, reconstruction, adding shoulders, or adding auxiliary lanes (including parking, weaving, turning, and climbing lanes), if the action meets the constraints in paragraph (e)..." [4]
- All outstanding FHWA environmental approvals will be obtained and are listed here:
- All the conditions of the PARCE are addressed herein (or within the DAD or attachments).

I certify that the information provided above is true and accurate and recommend the project be processed as described above.

Project Manager/Designer (or Responsible Local Official) X Dennis J. Kennelly Date 7/10/18

Print Name and Title: Dennis J. Kennelly, P.E., Consultant Project Manager

Regional Environmental Unit Supervisor X Merton J. Edwards Date 7/17/18

Print Name and Title: Merton J. Edwards, PE2

Regional Local Project Liaison (Locally Administered Projects Only) X [illegible] Date 7/11/18

Print Name and Title: Craig Ekstrom, PE NYSDOT R4 RLPL

Changes that may have occurred since the preparation of the FEAW which would create the need to go through the FEAW again include, but are not limited to: a change in the scope of the proposed project; a change in the social, economic or environmental circumstances or the setting of the project study area (i.e. the affected environment); a change in the federal statutory environmental standards: discovering new information not considered in the original process; and a significant amount of time has passed (equal or greater than three years).

[4] See additional information on identifying (c)26, (c)27 & (c)28 versus d (13) *in FEAW_Instructions.doc*

APPENDIX 'H'

Social, Economic and Environmental Resources Checklist

NYSDOT Section 106 Submittal Package & Response

ESA Section 7 Summary Review

Correspondence

T·Y·LIN INTERNATIONAL
engineers | planners | scientists

Social, Economic and Environmental Resources Checklist	
PIN:4CR004	FUNDING TYPE: Federal/local
DESCRIPTION: The proposed Project generally includes milling and resurfacing Lyell Avenue from Lake Avenue to Mount Read Boulevard in Rochester, New York. The Project, in total, is approximately 9,600 feet in length. All Project work will be limited to the existing right of way.	DATE:07/11/2018 REVISION DATE:
MUNICIPALITY: City of Rochester, New York	NEPA CLASS: II/Cat Ex
COUNTY: Monroe	SEQRA TYPE: II
SCOPE: IPP FDR Design Report	

SOCIAL, ECONOMIC AND ENVIRONMENTAL CONSIDERATIONS	IF YES, GO TO IMPACT OR ISSUE; IF NO CHECK BOX BELOW	IMPACT[1] OR ISSUE?	
	NO	YES	NO
Social			
A. Land Use			
1. Is there potential to affect current land use/zoning?	☒	☐	☐
2. Is there a lack of consistency with community's comprehensive plan and/or other local or regional planning goals?	☒	☐	☐
3. Will the project affect any planned or future development?	☒	☐	☐
B. Neighborhoods and Community Cohesion			
1. Are relocations of homes or businesses proposed or acquisition of community resources anticipated?	☒	☐	☐
2. Is there potential for changes to neighborhood character?	☐	☐	☒
3. Is there a potential to impact transportation options (e.g., transit, walking, bicycling)?	☐	☐	☒
4. Are there potential changes to travel patterns that could affect neighborhood quality of life?	☐	☐	☒
5. Will the project divide or isolate portions of the community or generate new development that could affect the current community structure?	☒	☐	☐
C. General Social Groups			
1. Are there potential effects to the ability of transit dependent, elderly, or disabled populations to access destinations (particularly local businesses and health care facilities)?	☐	☐	☒
2. Does the project have the potential to disproportionately impact low income or minority populations (Environmental Justice)?	☐	☐	☒
3. Are there alterations to pedestrian facilities that would affect the elderly or disabled such as lengthening pedestrian crossings or providing median refuge?	☒	☐	☐
D. Community Services			
1. Is there potential to affect access to or use of Schools,	☒	☐	☐

SOCIAL, ECONOMIC AND ENVIRONMENTAL CONSIDERATIONS	IF YES, GO TO IMPACT OR ISSUE; IF NO CHECK BOX BELOW	IMPACT[1] OR ISSUE?	
	NO	YES	NO
Recreation Areas or Places of Worship (e.g., detours, sidewalk removal, addition of curb ramps, crosswalks, pedestrian signals, etc.)?			
2. Is there potential to affect emergency service response?	☒	☐	☐
Economic			
A. Regional and Local Economies			
1. Is there potential to affect local economic viability (e.g., development potential, tax revenues, employment opportunities, retail sales or public expenditures)?	☒	☐	☐
2. Is there a potential to divert traffic away from businesses?	☒	☐	☐
B. Business Districts			
1. Are there potential effects on the viability or character of Business Districts?	☒	☐	☐
2. Will the project affect transportation options available for patrons getting into or out of the District?	☒	☐	☐
3. Will sidewalks, bicycling opportunities or transit opportunities to or within the district be affected?	☐	☐	☒
4. Will parking within the district be affected?	☒	☐	☐
C. Specific Business Impacts			
1. Are effects to specific businesses anticipated? (e.g., sidewalks, bicycling opportunities, or handicapped access to and from businesses)?	☒	☐	☐
2. Will the project affect available transportation options for patrons to businesses?	☒	☐	☐
3. Will the project affect the ability of businesses to receive deliveries?	☒	☐	☐
4. Will parking for businesses be affected?	☒	☐	☐
Environmental			
1. Are there wetlands within or immediately adjacent to the project limits? *See Environmental Procedures Manual (EPM) 4.A.R, Executive Order (EO) 11990 may apply.*	☒	☐	☐
2. Are there Surface Waters (other than wetlands) within or immediately adjacent to the project limits? *lakes, ponds streams or wetlands of any jurisdiction*	☒	☐	☐
3. Is there a designated Wild or Scenic River within or immediately adjacent to the project limits? *(See The Environmental Manual (TEM) 4.4.3)*	☒	☐	☐
4. Will the project require a U.S. Coast Guard Bridge Permit? *Project area includes a bridge over navigable waters of U.S.*	☒	☐	☐
5. Does the project area contain waters regulated as Navigable by U. S. Army Corps of Engineers? *Section 404/10 Individual Permit or NWP 23 may be required*	☒	☐	☐
6. Is the project in a mapped Flood Zone? *TEM section 4.?, EO 11988*	☒	☐	☐
7. Is the project in or could it affect a designated coastal area? *FAN*	☒	☐	☐

SOCIAL, ECONOMIC AND ENVIRONMENTAL CONSIDERATIONS	IF YES, GO TO IMPACT OR ISSUE; IF NO CHECK BOX BELOW	IMPACT[1] OR ISSUE?	
	NO	YES	NO
and/or Consistency determination may be required. See TEM 4.6			
8. Is the project area above a Sole Source Aquifer? *See TEM 4.4 Coordination with FHWA and/or EPA may be required.*	☒	☐	☐
9. Will the project involve one (1) acre of ground disturbance (or 5,000 sf in the East of Hudson watershed)?	☒	☐	☐
10. Are federally/state listed endangered species or designated critical habitat indicated for the project county? *Coordination with DEC and/or a FHWA determination may be required. See TEM 4.4.9.3*	☐	☐	☒
11. Is the project in a designated Critical Environmental Area? *TEM 4.4.11(SEQR issue)*	☒	☐	☐
12. Are there any resources protected by Section 106 (or Section 1409) within the project limits or immediate area? *See TEM 4.4.12 Appendix G*	☐	☐	☒
13. Is Native American coordination required outside of Section 106 consultation? *The project on or affecting Native American Lands or other areas of interest*	☒	☐	☐
14. Is there a use, constructive use or temporary occupancy of a 4(f) resource? *See SECTION 4(f) POLICY PAPER and contact Area Engineer.*	☒	☐	☐
15. Will the project involve conversion of a 6(f) resource? *listed as having Land and Water Conservation funds spent on the resource*	☒	☐	☐
16. Is there any potential to affect the character of important and possibly significant the visual resources of the project area and its environs? (*See PDM Chapter 3.2.2.2)*	☒	☐	☐
17. Will the project convert land protected by the Federal Farmland Protection Act? *See TEM 4.4.15*	☒	☐	☐
18. Will the project acquire active farmland from an Agricultural District? *(SEQR issue)*	☒	☐	☐
19. Is the project in a non-attainment area and exceed the CO screening criteria? *see EPM Chapter 1 1.1-19 an Air Quality Analysis required*	☒	☐	☐
20. Is the project in a non-attainment area and exceed the PM screening criteria? *see EPM Chapter 1 1.1-19? A hot spot analysis is required*	☒	☐	☐
21. Is the project a Type I Noise project as per 23 CFR 772? *See TEM 4.4.18*	☒	☐	☐
22. Will the project require the removal of Asbestos Containing Materials? *See TEM 4.4.19*	☒	☐	☐
23. Does the project area contain Contaminated and Hazardous Materials? *EPA National Priority List*	☒	☐	☐
24. Will the project increase the height of towers, construct new towers or other obstructions in a known migratory bird flyway?	☒	☐	☐

NOTES:

[1] The term "impacts" means both positive and negative effects. Both types of effects should be discussed in the body of the report as appropriate.

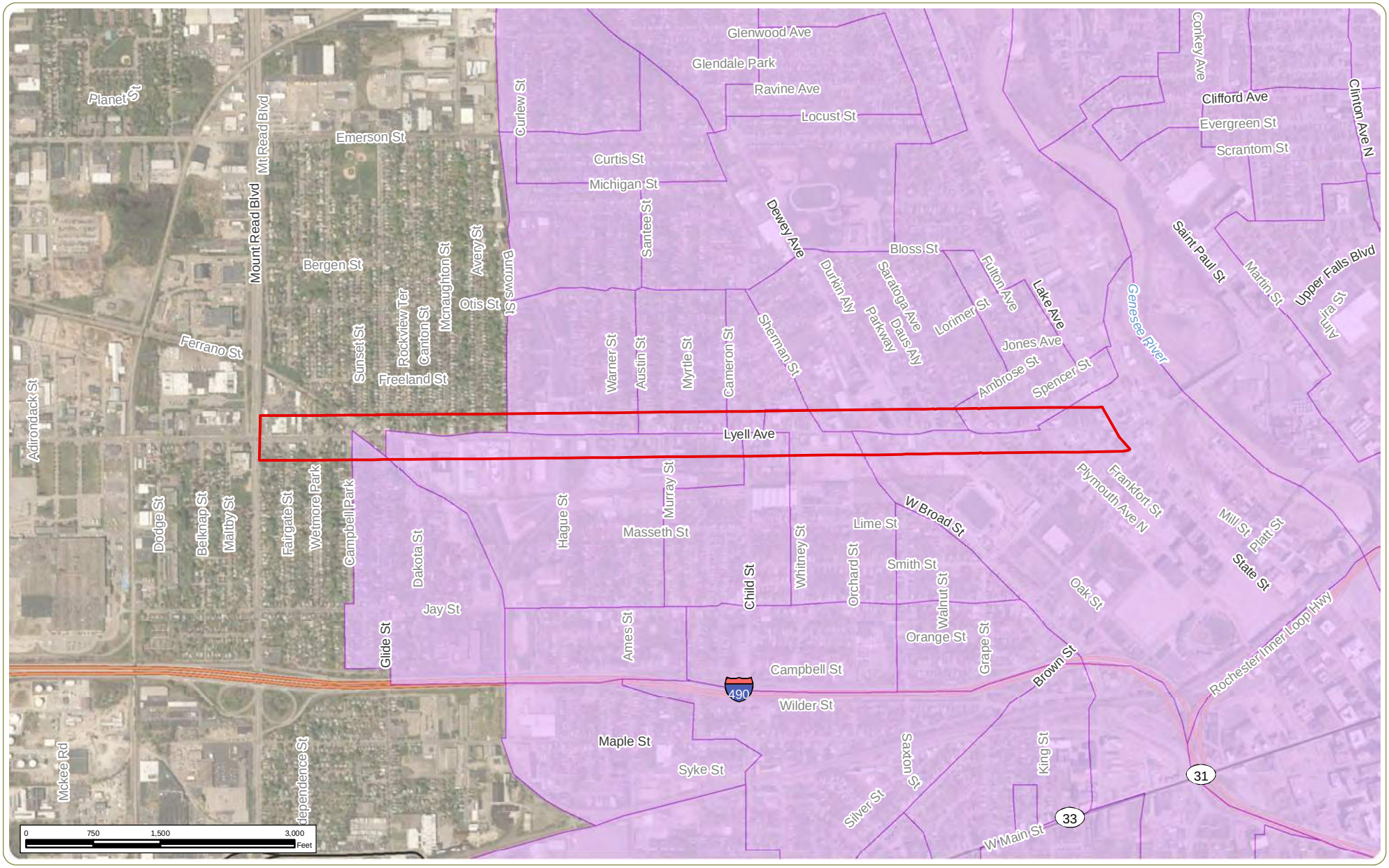
PREPARED BY: (Hayley Effler)

CERTIFICATION:

I certify that the information provided above is true and accurate.

Regional/Main Office Environmental Unit Supervisor _____ Date _____

Print Name and Title: _____



Lyell Avenue Highway Preventive Maintenance (PIN 4CR004)

City of Rochester, Monroe County, New York

Environmental Justice Areas

Environmental Justice Area

Project Location

Notes: 1. Basemap: NYSDOP 2015 orthoimagery map service. 2. This map was generated in ArcMap on March 22, 2018. 3. This is a color graphic. Reproduction in grayscale may misrepresent the data.

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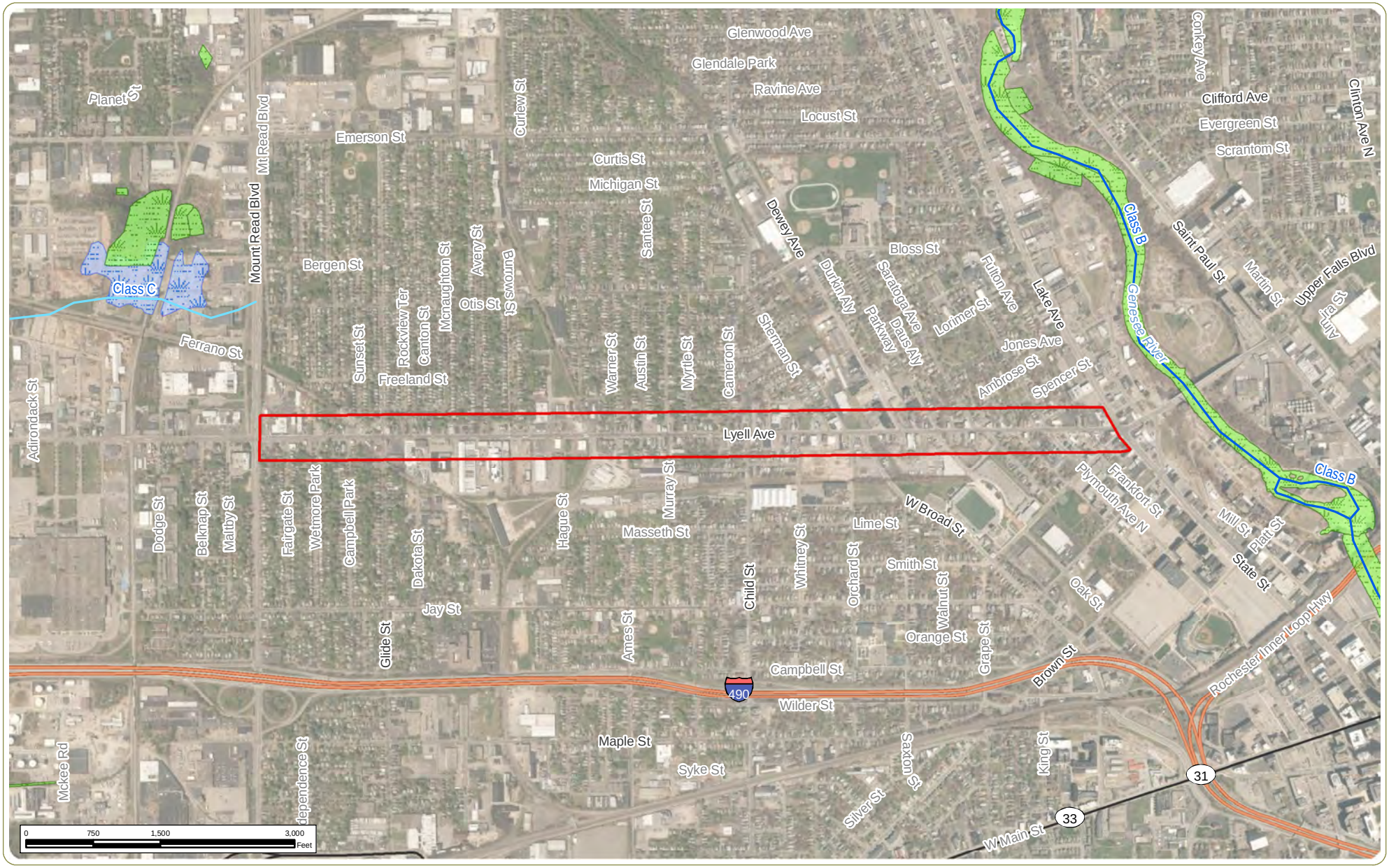

Lyell Avenue Highway Preventive Maintenance (PIN 4CR004)

City of Rochester, Monroe County, New York

Mapped Wetlands and Streams

Notes: 1. Basemap: NYSDOP 2015 orthoimagery map service. 2. This map was generated in ArcMap on March 22, 2018. 3. This is a color graphic. Reproduction in grayscale may misrepresent the data.

NYSDEC Stream Classification:

- NYS Protected Stream
- Unprotected Stream
- NWI Wetland
- NYSDEC Wetland
- Project Location

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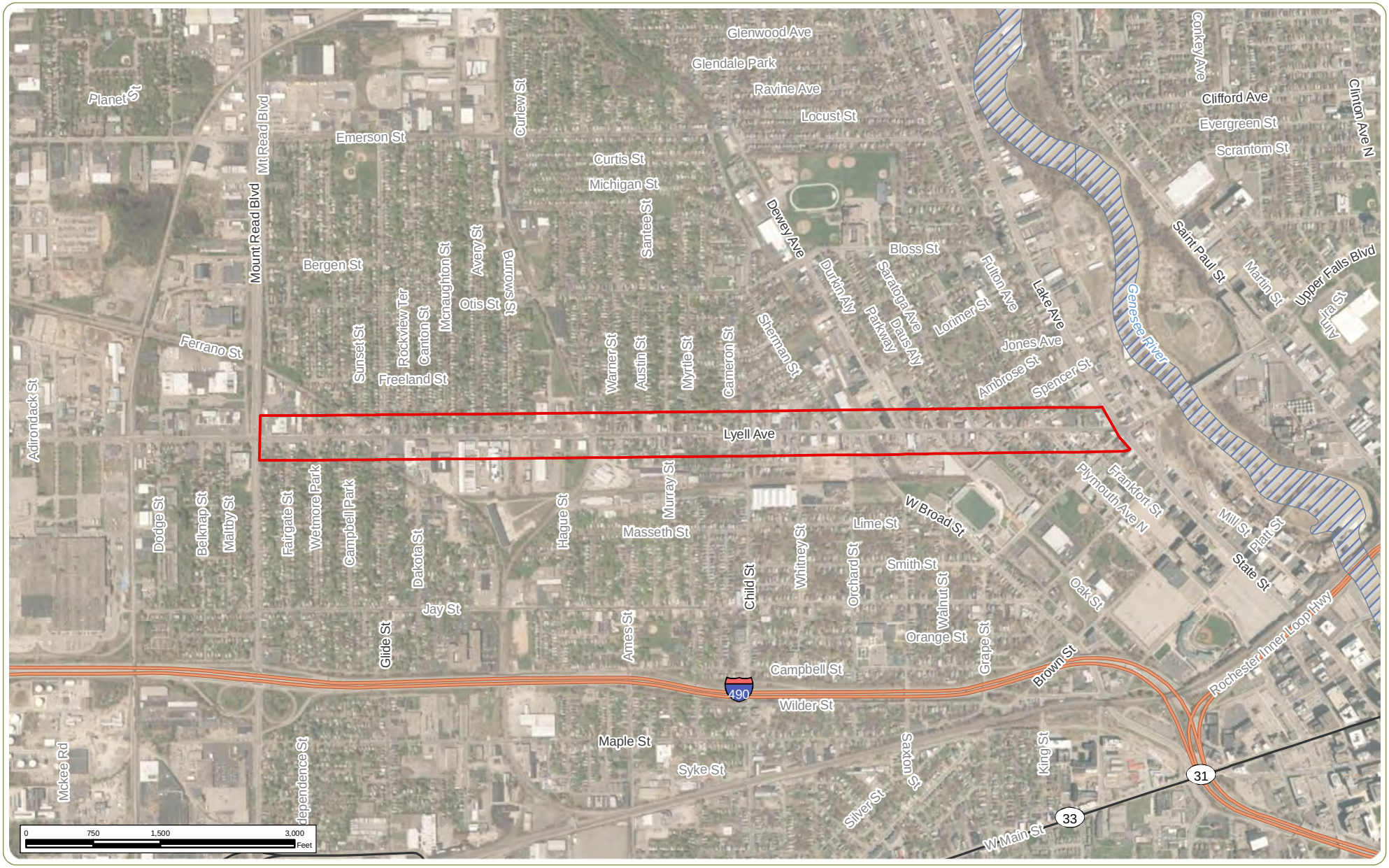

Lyell Avenue Highway Preventive Maintenance (PIN 4CR004)

City of Rochester, Monroe County, New York

FEMA Flood Hazards

Notes: 1. Basemap: NYSDOP 2015 orthoimagery map service. 2. This map was generated in ArcMap on March 22, 2018. 3. This is a color graphic. Reproduction in grayscale may misrepresent the data.

FEMA Flood Hazard:

- 1.0% Annual Chance
- Project Location

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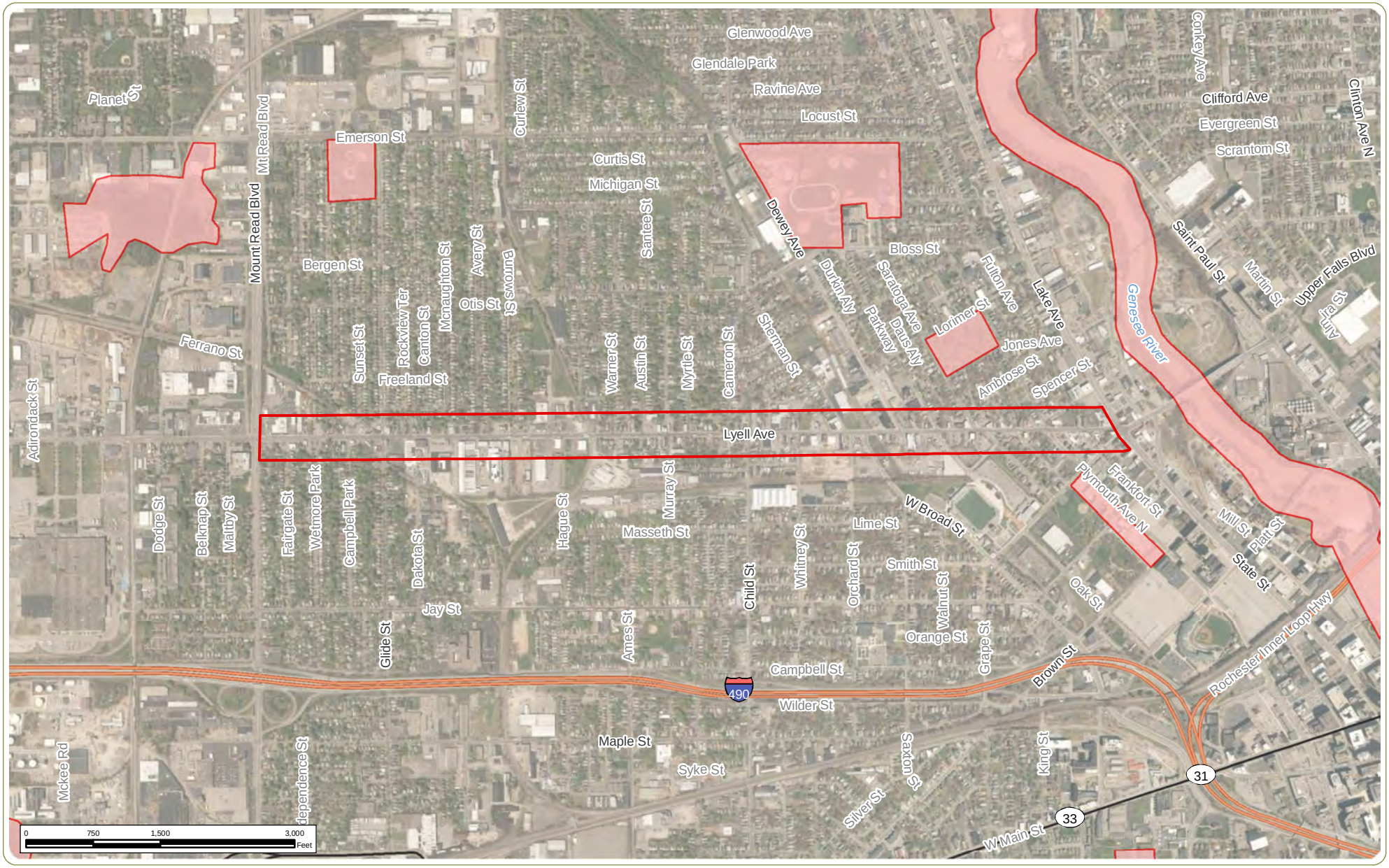

Lyell Avenue Highway Preventive Maintenance (PIN 4CR004)

City of Rochester, Monroe County, New York

Critical Environmental Areas

Critical Environmental Area

Project Location

Notes: 1. Basemap: NYSDOP 2015 orthoimagery map service. 2. This map was generated in ArcMap on March 22, 2018. 3. This is a color graphic. Reproduction in grayscale may misrepresent the data.

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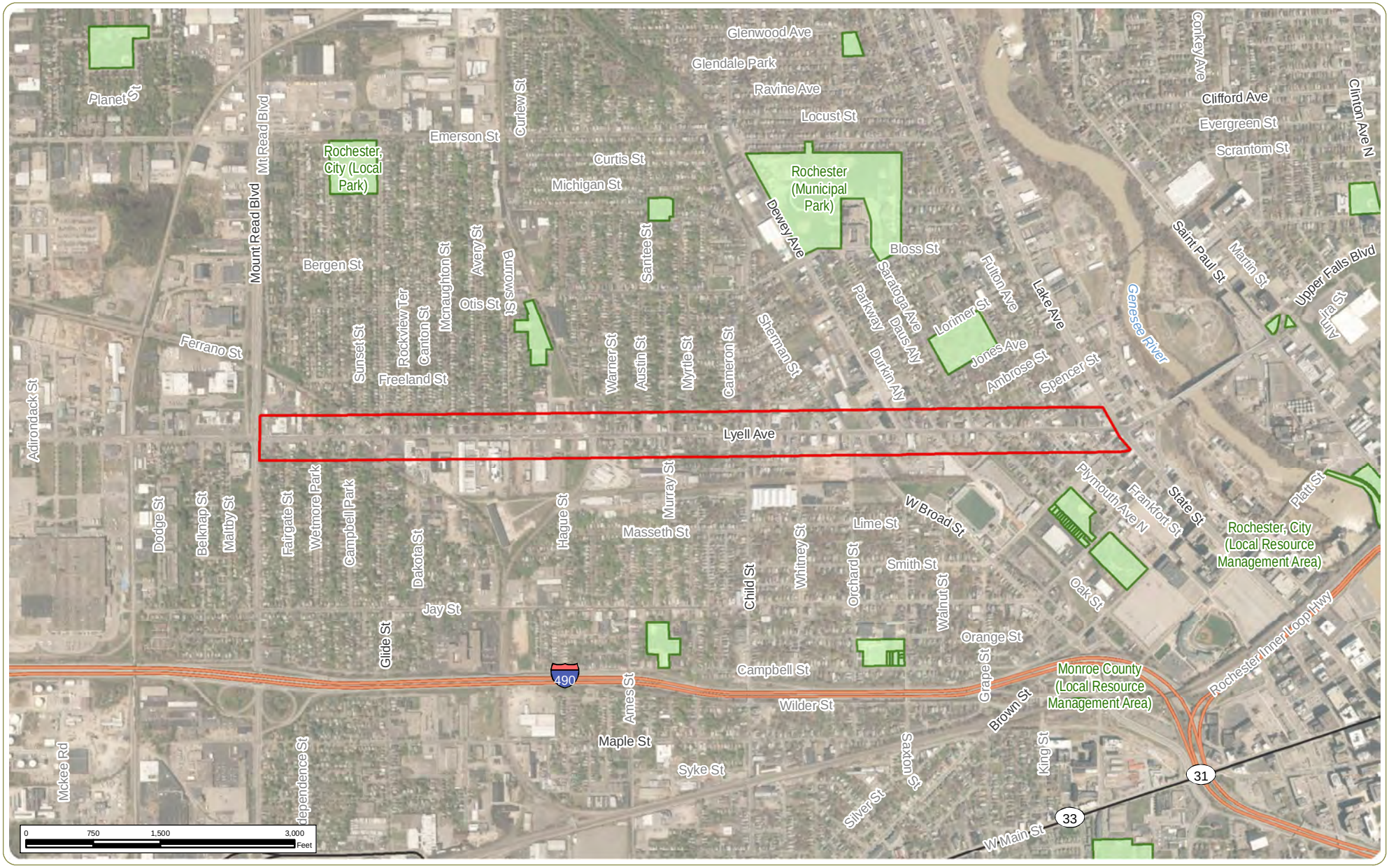

Lyell Avenue Highway Preventive Maintenance (PIN 4CR004)

City of Rochester, Monroe County, New York

Parks and Protected Areas

New York Protected Area

Project Location

Notes: 1. Basemap: NYSDOP 2015 orthoimagery map service. 2. This map was generated in ArcMap on March 22, 2018. 3. This is a color graphic. Reproduction in grayscale may misrepresent the data.

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NYSDOT Section 106 Submittal Package & Response

Section 106 Project Submittal Package

PIN 4CR004 –Lyell Avenue Improvement Project

City of Rochester, Monroe County, New York

Prepared for:

T.Y. LIN International Engineering, Architecture & Land Surveying, P.C.
255 East Avenue,
Rochester, NY, 14604
www.tylin.com

Prepared by:

Environmental Design & Research,
Landscape Architecture, Engineering, & Environmental Services, D.P.C.
217 Montgomery Street, Suite 1000
Syracuse, New York 13202
www.edrdpc.com

April 2018

NEW YORK STATE DEPARTMENT OF TRANSPORTATION PROJECT SUBMITTAL PACKAGE

Section 106 of the National Historic Preservation Act

For Locally-Administered Federal-Aid Projects

A Project Submittal Package is prepared by the Local Project Sponsor (Sponsor) or their consultants for federal aid transportation projects to provide sufficient information for NYSDOT assessment of Section 106 obligations.
The Sponsor sends the package to the Regional Local Project Liaison (RLPL) for Regional Cultural Resource Coordinator (RCRC) review. The RCRC will make recommendations to identify what is needed for Section 106 compliance for the project.

DATE: April 18, 2018 PIN: 4CR004 BIN(s): N/A

IDENTIFICATION

Project Name (if any): Lyell Avenue Improvement Project

Project Area Boundaries: The Project involves improvements and upgrades to Lyell Avenue and its associated utilities. The limits of work will include the existing Lyell Avenue roadway corridor between Lake Avenue and Mt. Read Boulevard (approximately 1.8 miles in length).

County: Monroe Town/City: Rochester Village/Hamlet: N/A

Have you consulted the NYSHPO web site at *http://nysparks.state.ny.us to determine the preliminary presence or absence of previously identified cultural resources within or adjacent to the project area? If yes: ☒ **Yes** ☐ **No**

- Was the project site wholly or partially included within an identified archaeologically sensitive area? ☒ **Yes** ☐ **No**
- Does the project site involve or is it substantially contiguous to a National Register of Historic Places listed property? ☐ **Yes** ☒ **No**

*http://nysparks.state.ny.us then select **HISTORIC PRESERVATION** then **Historic Preservation Field Services Bureau** then **On Line Tools – CRIS**

ALL PROJECTS SUBMITTED FOR REVIEW SHOULD INCLUDE THE FOLLOWING INFORMATION

☒ **Project Description –** Attach a full description of the nature and extent of the work to be undertaken as part of this project. This should include, but not limited to, potential activities that might involve drainage, cutting, excavation, grading, filling, on-site detours, new sidewalks, right-of-way acquisition. Relevant portions of the project applications or environmental statements may be submitted. This could be from sections of the Draft Design Report/ Draft Scoping Document.

☒ **Location Maps -** Provide USGS Quad or DOT Planimetric map showing project area location. The map must clearly show street and road names surrounding the project area as well as all portions of the project.

☒ **Photos -** Provide clear, original color photographs of the entire project area keyed to a site plan. These photos should indicate:

- Buildings/structures more than 50 years old that are located along the property or on adjoining property
- Areas of prior ground disturbance (removal of original topsoil; filling and plowing are not considered disturbance)

LOCAL SPONSOR CONTACT

Name: Kamal L. Crues, P.E. Title: City Engineer
Firm/Agency: City of Rochester
Address: City Hall, 30 Church Street City: Rochester State: NY Zip: 14614
Phone: (585) 272-3755 E-Mail: Kamal.Crues@cityofrochester.gov

Consultant Name: Environmental Design & Research, Landscape Architecture, Engineering & Environmental Services, D.P.C.
Contact Information: 217 Montgomery Street, Suite 1000, Syracuse, NY 13202
Phone: (315) 471-0688

1.0 Project Information

This Section 106 Project Submittal Package for the proposed Lyell Avenue Improvement Project, located in the City of Rochester in Monroe County, New York, was prepared by Environmental Design & Research, Landscape Architecture, Engineering, & Environmental Services, D.P.C. (EDR) on behalf of T.Y. LIN International Engineering, Architecture & Land Surveying, P.C. (T.Y. LIN) and the City of Rochester. This submittal was prepared by EDR cultural resources staff who meet the qualifications specified by the Secretary of the Interior's Standards for Historic Preservation and Archaeology per 36 CFR Part 61.

1.1 Project Description

The proposed Lyell Avenue Improvement Project (hereafter "the Project") proposes improvements to Lyell Avenue, and its associated utilities in the City of Rochester, New York (see Attachment A). Proposed work as part of the Project includes:

- **PIN 4CR004 – Lyell Avenue Improvement Project** – The proposed Project consists of street improvements such as milling and resurfacing along Lyell Avenue, adjustments to water and sewer utilities, and upgrading of sidewalks, curb ramps and crosswalks to comply with current standards. Upon completion of the Project, the roadway alignment will remain the same.
- **Area of Potential Effect (APE):** The APE for this Project consists of the proposed limits of work, which will include areas to be disturbed by resurfacing Lyell Avenue, and the necessary adjustments and improvements to utilities and pedestrian infrastructure.

1.2 Impact on Historic Resources

The New York State Office of Parks, Recreation and Historic Preservation (NYSOPRHP) Cultural Resources Information System (CRIS) website was reviewed to determine the location of any properties listed in the National Register of Historic Places (NRHP) located at or adjacent to the proposed Project. According to the CRIS website, there are no properties listed in the NRHP, and 13 properties determined to be eligible for the NRHP located within 500 feet of the APE, which include the following:

- 81 Lake Ave (Unique Site Number [USN] 05540.007068) is a three-story brick Neoclassical commercial building located approximately 480 feet north from the APE. The building was built in 1911 and originally contained a bottling plant for a number of Rochester-based distillers and brewing companies. It is significant due to its association with major industries of Rochester's past (Parker, 1998).

- The Union Trust Company (Brown Square Health Center) (USN 05540.000444), is a two-story brick and stone Neoclassical commercial bank building located at 175 Lyell Avenue, on the southern edge of the APE. The building was built in 1930 for the Union Trust Company before undergoing rehabilitation as a health care facility. It is significant as an example of Neoclassical commercial architecture in the Dutchtown/Brown Square neighborhoods and is the only small-scale Neoclassical building of its type in the city of Rochester. It was determined to be eligible for the NRHP in 1986 (MCA, 1986a).

- The C.T. Manufacturing Company, also known as the Charles Settlement House (USN 05540.006071), is a brick industrial complex consisting of a six-story block constructed in 1891 and a four-story addition constructed in 1917. The building is located approximately 380 feet north of the APE at 71 Parkway and is considered significant as an intact industrial complex in the Edgerton Neighborhood. It was determined to be eligible for the NRHP in 1986 (MCA, 1986b).

- 600 Oak Street (USN 05540.007730) was a small stone warehouse building constructed along the original Erie Canal alignment through the City of Rochester. It was determined to be NRHP-eligible in 2003 due to its association with the early industrial complexes along the Erie Canal (Englert, 2003). Field review indicated that the resource is no longer extant at this documented address and is assumed to have been demolished.

- 280-286 Lyell Avenue (USN 05540.008729) consists of two five-story brick buildings located approximately 100 feet north from the APE.[1] The two buildings were constructed between 1887 and 1890 and in 1910 and are significant in that they represent the transition in style between commercial styles of the Late Victorian and the more modern commercial styles of the late nineteenth and early twentieth century. It was determined as eligible for the NRHP in 1986 (MCA, 1986c).

- 386 Lyell Avenue (USN 05540.006033) is a one-story, Federal Revival-style commercial gas station. The building was constructed in 1927 and is significant as it is one of several extant Federal Revival-style gas stations constructed during the early twentieth century. It was determined eligible for listing in the NRHP in 1986 (MCA, 1986d).

- Police Station Precinct Number 5 (USN 05540.006034) is a three-story, Classical Revival style brick building located at 464 Lyell Avenue on the northern edge of the APE. It was constructed between 1904 and 1905

[1] This resource is also known as the Crouch Complex (Tent City Warehouse) and is shown on CRIS with a separate USN (05540.006032),

and is considered significant because it is one of two precinct stations designed by Claude Bragdon, a Rochester architect of national notoriety. It was determined as eligible for the NRHP in 1986 (MCA, 1986e).

- Lyell Avenue Baptist Church, also known as the Cameron Community Ministry (USN 05540.005931), is a one-and-one-half-story brick church in the Gothic and Italianate styles located at 48 Cameron Street and is approximately 300 feet north of the APE. It was constructed in 1890 and is significant as an example of late nineteenth century religious architecture. It was determined as eligible for the NRHP in 1986 (MCA, 1986f).

- The Holy Apostles School (USN 05540.005914) is a two-story brick school building with some Romanesque elements located approximately 50 feet north of the APE at 6 Austin Street. It was constructed in 1918 and is significant as an example of early twentieth century parochial school architecture in Rochester. It was determined eligible for the NRHP in 1986 (MCA, 1986g).

- The Holy Apostles Rectory (USN 05540.005915) is a two-story brick residence located approximately 230 feet north of the APE at 7 Austin Street. It was constructed between 1918 and 1926 and is architecturally significant as one of the three buildings that compose the Apostles Church complex. It was determined to be eligible for the NRHP in 1986 (MCA, 1986h).

- The Holy Apostles Roman Catholic Church (USN 05540.006035) is a one-story church with a four-story bell tower and elements of both Romanesque and Gothic architectures, is constructed from Medina sandstone and is located on the northern edge of the APE at 520 Lyell Avenue. It was constructed in 1896 and is architecturally significant as a distinct example of religious architecture in the city of Rochester. Additionally, it is historically significant as a mission church of St. Patrick's parish, which was founded in 1882. It was determined to be eligible for the NRHP in 1986 (MCA, 1986i).

- The Theodore Roosevelt School #43 (USN 05540.000657), a two-story brick school building located at the western edge of the APE at 1305 Lyell Avenue. It was first constructed in 1918 as an eight-room school house and expanded upon significantly in 1921. It is architecturally significant as an example of early twentieth century school architecture in the city of Rochester. It was determined to be eligible for the NRHP in 1976 (The Landmark Society of Western New York, 1976).

In addition to the 12 properties described above, a residence at 147 Spencer Street (USN 05540.00893) was indicated on the CRIS website to be NRHP-eligible. However, no building inventory form was available, and subsequent correspondence with NYSOPRHP determined that there is no building inventory form available at this time.

The locations of these resources are indicated on the map included as Attachment B. Photographs of NRHP-eligible resources discussed above are included as Attachment C. As noted above, these NRHP-eligible resources are all located within 500 feet from the APE of the proposed Project. However, the proposed Project is an improvement of an existing roadway, with all work to be completed within the existing right-of-way. No direct impacts to these NRHP-eligible properties are anticipated.

1.3 Archaeological Sensitivity

A review of the NYSOPRHP CRIS website determined that the proposed Project occurs partially within an archaeologically sensitive area. A review of CRIS also indicated that there are no previously identified archaeological sites which are NRHP-eligible or for which NRHP eligibility has not been formally determined located within 1,000 feet of the APE. Additionally, the CRIS website indicated that no New York State Museum (NYSM) sites or areas are located within 1,000 feet of the APE.

A review of the CRIS website also determined that two previous cultural resources surveys have been conducted within a half-mile of the proposed Project APE:

- A *Cultural Resource Management Report, Phase IB and II Cultural Resource Reconnaissance: The Proposed Paetec Park* was prepared in 2003 to determine the archaeological sensitivity of an 18-acre parcel associated with the construction of the Capelli Sport Stadium located approximately 150 feet south of the APE. As part of this survey, the Rochester Museum and Science Center (RMSC) mechanically excavated 13 trenches during the Phase IB component of the survey. During the Phase II component an additional three trenches, and two 1 meter by 1 meter and four 1 meter by 0.5-meter test units were excavated. RMSC determined that the area had been subjected to extensive impact associated with industrial activities, building demolition, and modification to the project area and recommended no additional archaeological testing at that location (RMSC, 2003).
- A *Phase 1 Architectural Survey (PIN 4940.K4.101) Mount Read Boulevard Improvements* was prepared in 2017 to assess the impact of safety improvements along a 5,568-foot portion of Mount Read Boulevard on historic architectural resources. The survey identified two properties as eligible for listing in the NRHP (PAF, 2017).

The locations of these cultural resources surveys are indicated on the map included as Attachment B.

The proposed Project occurs primarily within previously disturbed areas comprised of a paved roadway and immediately adjacent areas with associated commercial and residential infrastructure. The Project area has been developed and infilled since the late nineteenth century. No intact/original soils are present within the Project area or are anticipated to be disturbed, and therefore there is little to no likelihood that prehistoric or historic deposits would be impacted by construction of the Project.

1.4 Photographs

A site visit was conducted by EDR staff on March 23, 2018 to document existing conditions within the APE for the Lyell Avenue Project and to assess the potential for impacts to cultural resources. Photographs documenting existing conditions within the Project area, including existing land use, visual character and previous ground disturbance of the Project APE are included as Attachment C. Photograph locations are noted on maps included as Attachment D.

LIST OF ATTACHMENTS

Attachment A. Project Location Map
Attachment B. Previously Identified Cultural Resources
Attachment C. Photographs
Attachment D. Photograph Locations

Appendix A. REFERENCES

Englert, Robert. *600 Oak Street.* New York State Office of Parks, Recreation, and Historic Preservation Resource Evaluation Form. On file, New York State Office of Parks, Recreation, and Historic Preservation, Waterford, NY. Available at https://cris.parks.ny.gov/.

Landmark Society of Western New York. 1976. *Theodore Roosevelt School No. 43.* New York State Historic Archaeological Site Inventory Form. On file, New York State Office of Parks, Recreation, and Historic Preservation, Waterford, NY. Available at https://cris.parks.ny.gov/.

Mack Consulting Associates. 1986a. *Union Trust Company.* New York State Historic Archaeological Site Inventory Form. On file, New York State Office of Parks, Recreation, and Historic Preservation, Waterford, NY. Available at https://cris.parks.ny.gov/.

Mack Consulting Associates. 1986b. *C.T. Ham Manufacturing Company.* New York State Historic Archaeological Site Inventory Form. On file, New York State Office of Parks, Recreation, and Historic Preservation, Waterford, NY. Available at https://cris.parks.ny.gov/.

Mack Consulting Associates. 1986c. *Crouch Complex (Tent City Warehouse).* New York State Historic Archaeological Site Inventory Form. On file, New York State Office of Parks, Recreation, and Historic Preservation, Waterford, NY. Available at https://cris.parks.ny.gov/.

Mack Consulting Associates. 1986d. *Unnamed Gas Station.* New York State Historic Archaeological Site Inventory Form. On file, New York State Office of Parks, Recreation, and Historic Preservation, Waterford, NY. Available at https://cris.parks.ny.gov/.

Mack Consulting Associates. 1986e. *Police Station Precinct No. 5.* New York State Historic Archaeological Site Inventory Form. On file, New York State Office of Parks, Recreation, and Historic Preservation, Waterford, NY. Available at https://cris.parks.ny.gov/.

Mack Consulting Associates. 1986f. *Lyell Avenue Baptist Church (Cameron Community Ministry).* New York State Historic Archaeological Site Inventory Form. On file, New York State Office of Parks, Recreation, and Historic Preservation, Waterford, NY. Available at https://cris.parks.ny.gov/.

Mack Consulting Associates. 1986g. *Holy Apostles School.* New York State Historic Archaeological Site Inventory Form. On file, New York State Office of Parks, Recreation, and Historic Preservation, Waterford, NY. Available at https://cris.parks.ny.gov/.

Mack Consulting Associates. 1986h. *Rectory, Holy Apostles Church.* New York State Historic Archaeological Site Inventory Form. On file, New York State Office of Parks, Recreation, and Historic Preservation, Waterford, NY. Available at https://cris.parks.ny.gov/.

Mack Consulting Associates. 1986i. *Holy Apostles Church.* New York State Historic Archaeological Site Inventory Form. On file, New York State Office of Parks, Recreation, and Historic Preservation, Waterford, NY. Available at https://cris.parks.ny.gov/.

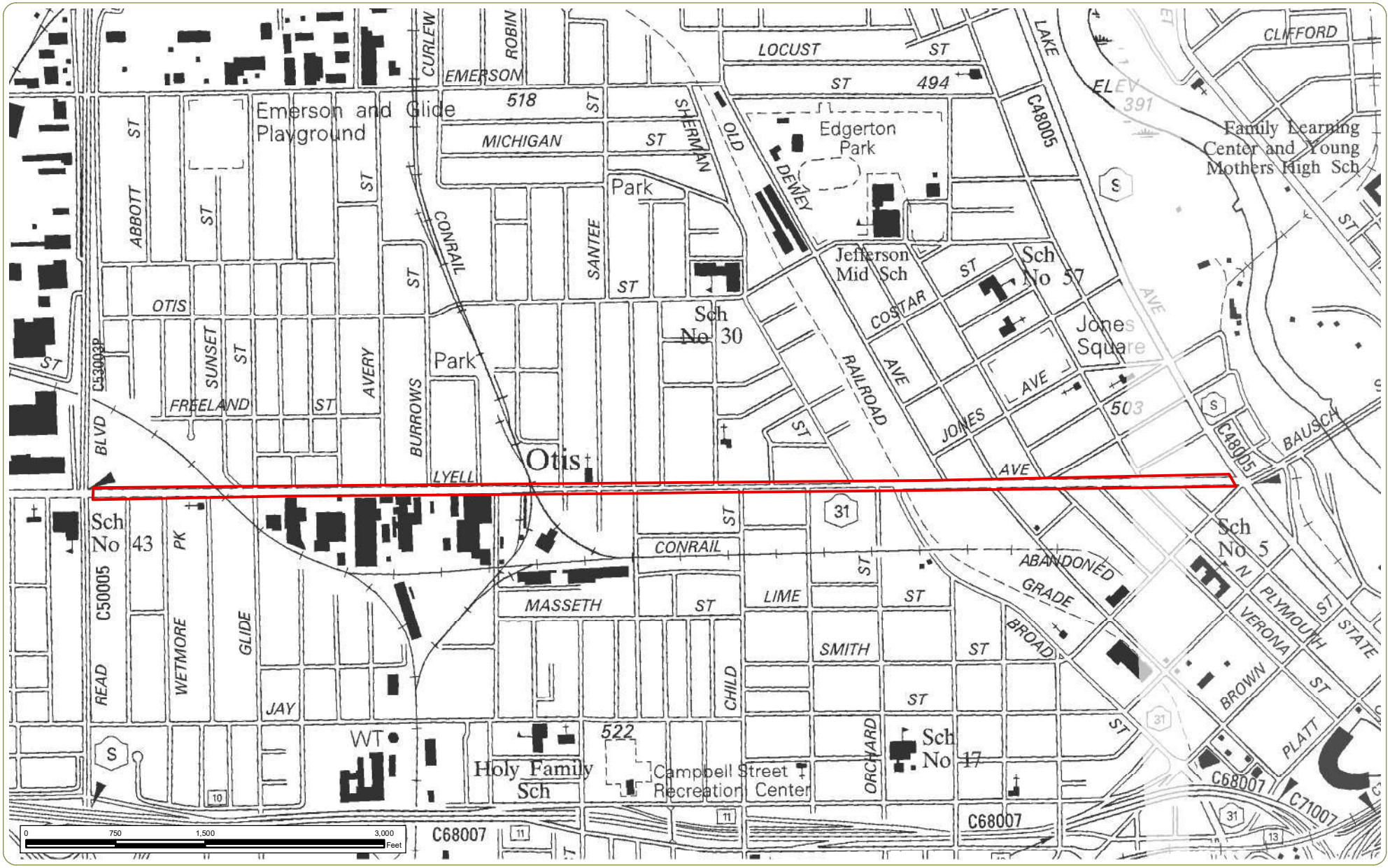
Parker, Margaret. 1998. *Rochester Bottling Co./81 Lake Avenue.* New York State Department of Transportation Building-Structure Inventory Form. On file, New York State Office of Parks, Recreation, and Historic Preservation, Waterford, NY. Available at https://cris.parks.ny.gov/.

Public Archaeology Facility (PAF). 2017. *Phase 1 Architectural Survey (PIN 4940.K4.101) Mount Read Boulevard Improvements, City of Rochester, Monroe County, New York, MCD 05540.* Prepared for New York State Museum and the State Education Department. On file, New York State Office of Parks, Recreation, and Historic Preservation, Waterford, NY. Available at https://cris.parks.ny.gov/.

Rochester Museum and Science Center (RMSC). 2003. *Cultural Resource Management Report Phase IB and II Cultural Resource Reconnaissance: The Proposed Paetec Park.* Prepared for Labella Associates, P.C. On file, New York State Office of Parks, Recreation, and Historic Preservation, Waterford, NY. Available at https://cris.parks.ny.gov/.

Attachment A:

Project Location Map



PIN 4CR0.04 –Lyell Avenue Improvement Project

City of Rochester - Monroe County, New York

Attachment A: Project Location Map

Project Area Boundary (APE)

Notes: 1. Basemap: NYSDOT *Rochester West, NY* and *Rochester East, NY* Planimetric Quadrangles
2. This map was generated in ArcMap on April 16, 2018.
3. This is a color graphic. Reproduction in grayscale may misrepresent the data.

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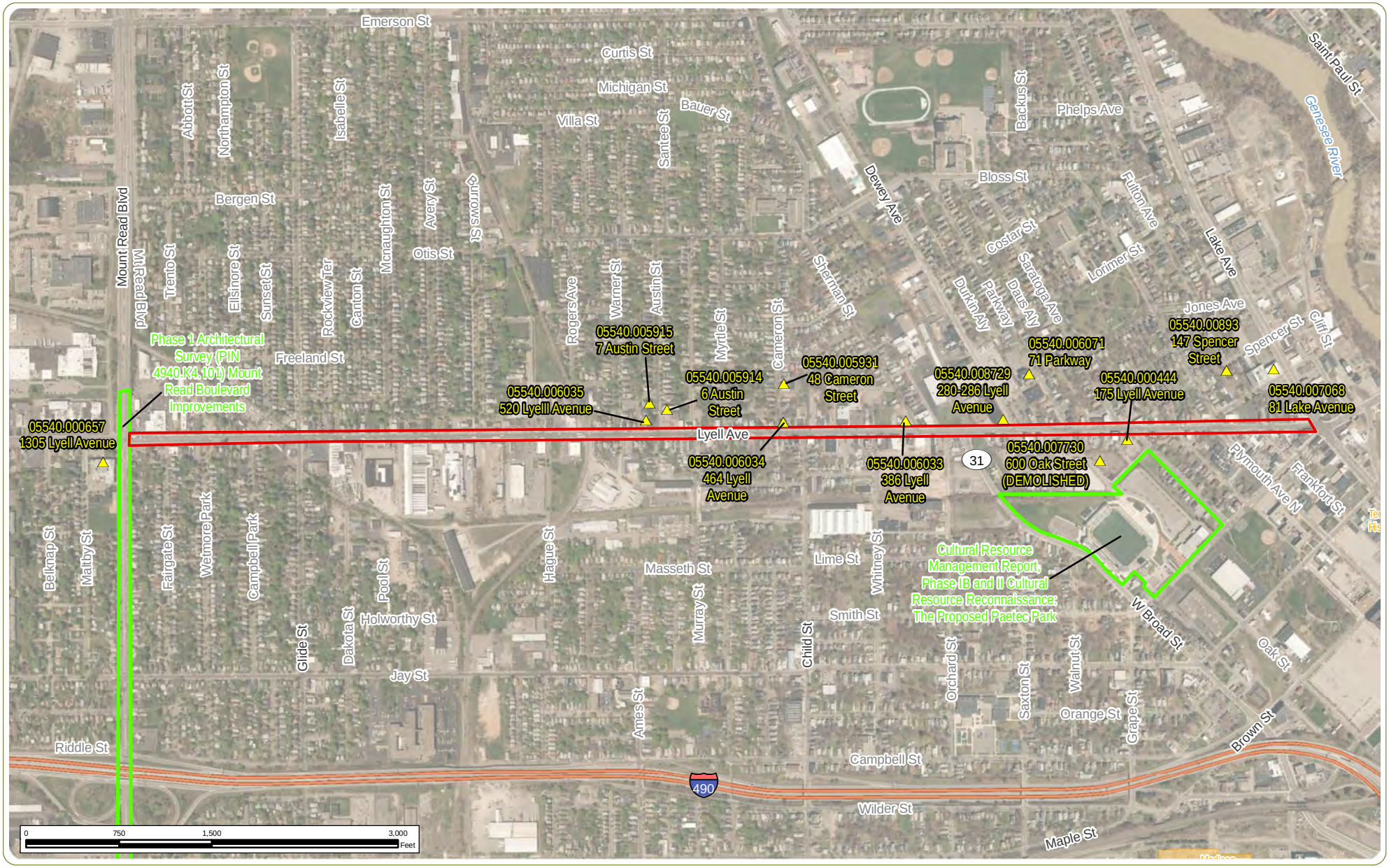
Attachment B:

Previously Identified Cultural Resources



PIN 4CR0.04 –Lyell Avenue Improvement Project

City of Rochester - Monroe County, New York

Attachment B: Previously Identified Cultural Resources

Notes: 1. Basemap: NYSDOP 2015 orthoimagery map service.
2. This map was generated in ArcMap on April 17, 2018.
3. This is a color graphic. Reproduction in grayscale may misrepresent the data.

- NRHP-Eligible Resource (NYSOPRHP Determined)
- Previous Cultural Resources Survey
- NRHP-Listed Site
- Project Area Boundary (APE)

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Attachment C:

Photographs

Photo 1

View to the south west toward the NRHP-eligible property, the Theodore Roosevelt School (05540.000657) at 1305 Lyell Avenue.

Photo 2

View to the west along Lyell Avenue toward Mount Read Boulevard and the western APE boundary.

Photo 3

View to the east along Lyell Avenue toward the intersection with Fairgate Street.

Photo 4

View to the west along Lyell Avenue toward the intersection with Glide Street.

Photo 5

View to the east along Lyell Avenue toward the intersection with Glide Street.

Photo 6

View to the west along Lyell Avenue toward the intersection with Avery Street.

Photo 7

View to the east along Lyell Avenue toward the intersection with Avery Street.

Photo 8

View to the NRHP-eligible property, the Holy Apostles Rectory (05540.005915) at 7 Austin Street.

Photo 9

View to the NRHP-eligible property, the Holy Apostles School (05540.005914) at 6 Austin Street.

Photo 10

View to the north west toward the NRHP-eligible property, the Holy Apostles Roman Catholic Church (05540.006035) at 520 Lyell Avenue.

Photo 11

View to the west along Lyell Avenue from the intersection with Austin Street.

Photo 12

View to the east along Lyell Avenue from the intersection with Austin Street.

Photo 13

View to the south east toward the NRHP-eligible property, the Lyell Avenue Baptist Church, also known as the Cameron Community Ministry (05540.005931), at 48 Cameron Street.

Photo 14

View to the north east toward the NRHP-eligible property at Police Station Precinct Number 5 (05540.006034) at 464 Lyell Avenue.

Photo 15

View to the west along Lyell Avenue toward the intersection with Angle Street.

Photo 16

View to the east along Lyell Avenue toward the intersection with Whitney Street.

Photo 17

View to the north west toward the NRHP-eligible property at 386 Lyell Avenue (05540.006033).

Photo 18

View to the north west toward the NRHP-eligible property at 280-286 Lyell Avenue (05540.008729) and the intersection of Lyell Avenue and Dewey Avenue.

Photo 19

View to the east along Lyell Avenue toward the intersection with Moore Street.

Photo 20

View to the north west toward the NRHP-eligible property, the C.T. Manufacturing Company, also known as the Charles Settlement House (05540.006071), at 71 Parkway.

Photo 21

View to the south west toward the NRHP-eligible property, the Union Trust Company, also known as the Brown Square Health Center (05540.000444), at 175 Lyell Avenue.

Photo 22

View to the west along Lyell Avenue toward the intersection with Carroll Street.

Photo 23

View to the east along Lyell Avenue near the intersection with Carroll Street.

Photo 24

View to the south west toward the NRHP-eligible property at 147 Spencer Street (05540.00893).

Photo 25

View to the west along Lyell Avenue near the eastern APE boundary and the intersection with Lake Avenue.

Photo 26

View to the east along Lyell Avenue toward eastern APE boundary and the intersection with Lake Avenue.

Photo 27

View to the north west toward the NRHP-eligible property at 81 Lake Ave (05540.007068).

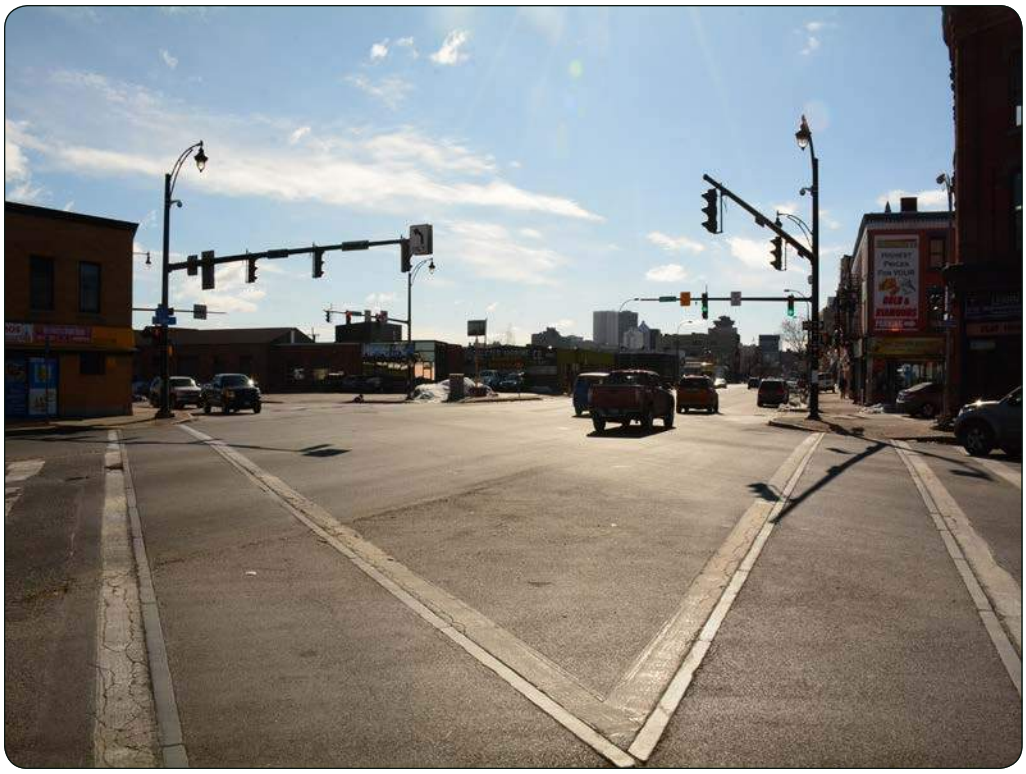

Photo 28

View to the south east from the eastern APE boundary at the intersection of Lyell and Lake Avenues.

Photo 29

View to the north west toward the eastern APE boundary at the intersection of Lyell and Lake Avenues.

Attachment D:

Photograph Locations

PIN 4CR0.04 –Lyell Avenue Improvement Project

City of Rochester - Monroe County, New York

Attachment D: Photograph Locations

Notes: 1. Basemap: NYSDOP 2015 orthoimagery map service.
2. This map was generated in ArcMap on April 17, 2018.
3. This is a color graphic. Reproduction in grayscale may misrepresent the data.

- NRHP-Eligible Resource (NYSOPRHP Determined)
- Photograph Location
- Project Area Boundary (APE)

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PIN 4CR0.04 –Lyell Avenue Improvement Project

City of Rochester - Monroe County, New York

Attachment D: Photograph Locations

Notes: 1. Basemap: NYSDOP 2015 orthoimagery map service.
2. This map was generated in ArcMap on April 17, 2018.
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- NRHP-Eligible Resource (NYSOPRHP Determined)
- Photograph Location
- Project Area Boundary (APE)

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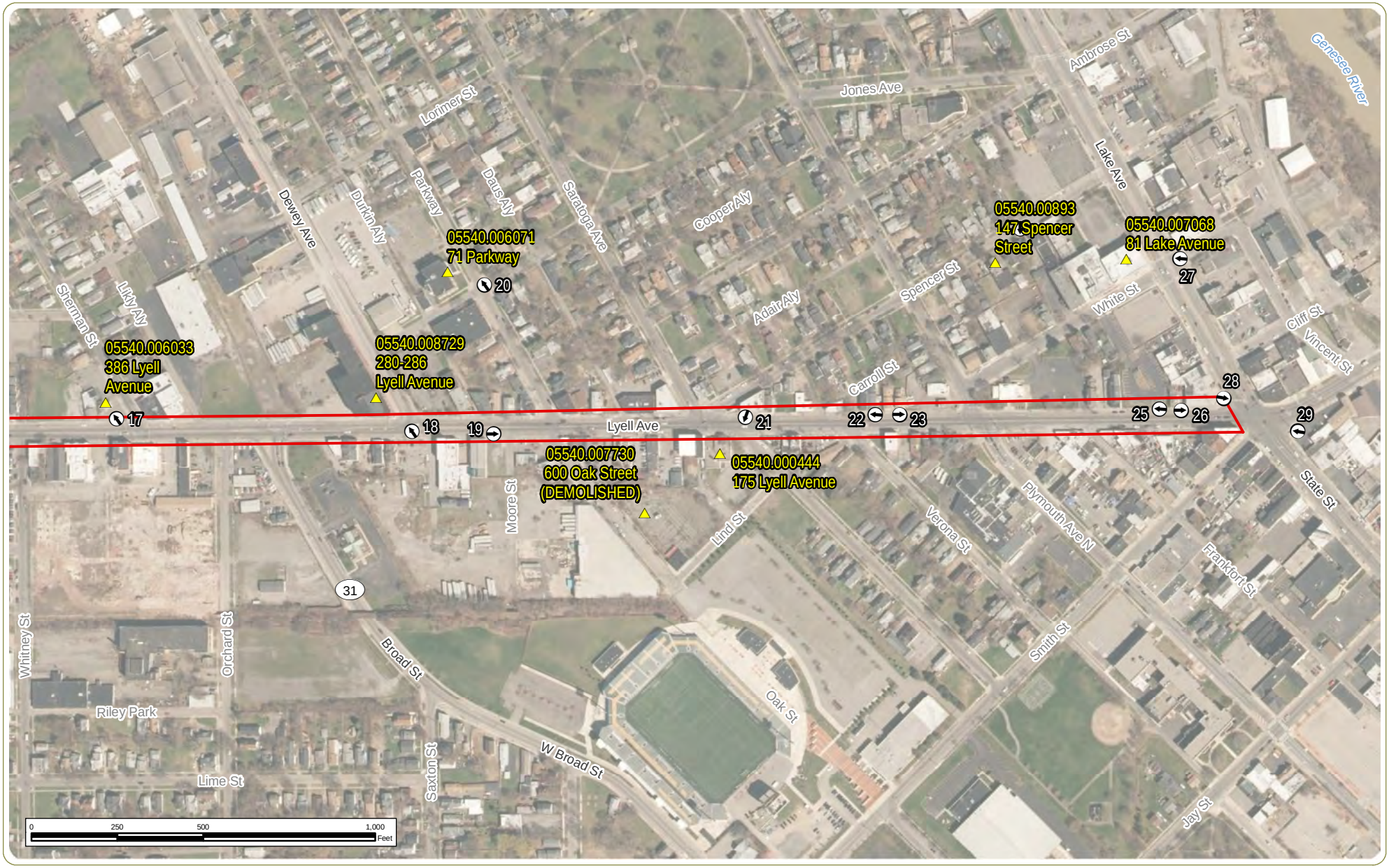

PIN 4CR0.04 –Lyell Avenue Improvement Project

City of Rochester - Monroe County, New York

Attachment D: Photograph Locations

Notes: 1. Basemap: NYSDOP 2015 orthoimagery map service.
2. This map was generated in ArcMap on April 17, 2018.
3. This is a color graphic. Reproduction in grayscale may misrepresent the data.

- NRHP-Eligible Resource (NYSOPRHP Determined)
- Photograph Location
- Project Area Boundary (APE)

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Dennis Kennelly

From: Caraccilo, Christopher P (DOT) <Christopher.Caraccilo@dot.ny.gov>
Sent: Tuesday, June 26, 2018 6:56 AM
To: Dennis Kennelly; Ekstrom, Craig E (DOT)
Cc: Donna Clements (Donna.Clements@CityofRochester.Gov); Lisa Y. Reyes (Lisa.Reyes@CityofRochester.Gov); Mark D. Bellavia
Subject: RE: City of Rochester - 2020 PM Group #11 Lyell Ave Project: Section 106 Submittal Package
Attachments: 4CR004_Lyell Ave Improvements_COR.pdf

Craig and Dennis-

Attached is my response memo for the above subject project. After reviewing the submitted material, I have concluded that properties protected by Section 106 will not be affected or impacted; OR located in the Area of Potential Effect.

The project's scope is to rehabilitate the pavement with no work outside of the paved areas. The proposed actions do not have the potential to cause effects to any National Register Eligible or listed resource. All work will be completed on previously disturbed soils.

The activities are listed under *'New York State Department of Transportation Section 106 Procedures: Activities That Are Undertakings With No Potential to Cause Effects On Historic Properties –Pursuant to 36 CFR 800.3(a)(1). Part III Pavement:*

- *Routine pavement/shoulder maintenance such as crack filling, patching, joint repair, grooving, etc.*
- *Pavement/shoulder rehabilitation in-kind, no undercutting of existing sub base in cut sections (unless on previously disturbed soils)*
- *Pavement/shoulder overlays in-kind*
- *Asphalt overlays on PCC pavement/shoulders or replacing asphalt pavement/shoulders with concrete pavement within the existing roadway limits*
- *Curb replacement in-kind*
- *Replacement of sidewalk in-kind*
- *Making sidewalks handicap-accessible*

If a detour(s) onto other roads results in a need for improvements on those roads, please be aware that may trigger further environmental review including cultural resources.

Please use the submitted material and attached memo to document this in the Design Report.

Chris

Christopher P. Caraccilo
Cultural Resource Specialist
Asbestos Coordinator
Landscape Architect
NYS Department of Transportation
Region 4
1530 Jefferson Road
Rochester, NY 14623
(585)-371-9250
christopher.caraccilo@dot.ny.gov

From: Dennis Kennelly [mailto:dennis.kennelly@tylin.com]
Sent: Thursday, June 21, 2018 12:55 PM
To: Caraccilo, Christopher P (DOT) <Christopher.Caraccilo@dot.ny.gov>
Cc: Ekstrom, Craig E (DOT) <Craig.Ekstrom@dot.ny.gov>; Donna Clements (Donna.Clements@CityofRochester.Gov) <Donna.Clements@CityofRochester.Gov>; Lisa Y. Reyes (Lisa.Reyes@CityofRochester.Gov) <Lisa.Reyes@CityofRochester.Gov>; Mark D. Bellavia <mark.bellavia@tylin.com>
Subject: City of Rochester - 2020 PM Group #11 Lyell Ave Project: Section 106 Submittal Package

Hi, Chris –
The Section 106 Project Submittal Package for the subject project is attached, for your review and approval. Please let me know if you have any comments.
Thank you,
Dennis

Dennis Kennelly
T·Y·LIN INTERNATIONAL
255 East Avenue
Rochester, NY 14604
+1.585.512.2000 main
dennis.kennelly@tylin.com
Visit us online at www.tylin.com
Twitter | Facebook | LinkedIn | Google+

NEW YORK STATE OF OPPORTUNITY. | Department of Transportation

ANDREW M. CUOMO
Governor

PAUL A. KARAS
Acting Commissioner

CATHY CALHOUN
Chief of Staff

MEMORANDUM

TO: Craig Ekstrom, Regional Local Project Liaison

FROM: Chris Caraccilo, Regional Cultural Resource Coordinator

SUBJECT: PROJECT SUBMITTAL PACKAGE – SECTION 106 RECOMMENDATIONS

PIN 4CR0.04, LYELL AVE IMPROVEMENT PROJECT

CITY OF ROCHESTER, MONROE COUNTY

June 26, 2018

As the Regional Cultural Resource Coordinator (RCRC) I have reviewed the Project Submittal Package (PSP) prepared for the above referenced Locally Administered Federal Aid project for assessment of obligations under Section 106 of the National Historic Preservation Act (36 CFR Part 800).
Based on review of this PSP, I conclude:

✓ The project activities have no potential to cause effects on historic properties in accordance with 36 CFR 800.3(a)(1) therefore, there are no further obligations for compliance with Section 106 of the National Historic Preservation Act. This determination should be recorded in the project environmental documentation.

The project activities may cause effects on historic properties:

- ☐ However, this is no potential for historic properties present. Therefore, there are no further obligations for compliance with Section 106 of the National Historic Preservation Act. This determination should be recorded in the project environmental documentation.
- ☐ A Phase I Cultural Resource Survey is needed to identify historic and cultural resources. Based on project description and activities, the following preliminary Area of Potential Effect is recommended.
- ☐ Based on project description and activities in the PSP a preliminary Area of Potential Effect is provided.
- ☐ A bridge inventory and evaluation of National Register eligibility is needed for BIN _____, a pre-1961 bridge that has not been previously evaluated.
- ☐ A Finding Documentation package is needed to assess the project effect on one or more previously identified National Register (NR) listed and/ or NR eligible historic buildings, structures, bridges, districts, objects, or sites.

☐ The following additional information is needed to complete our assessment:

- ☐ Detailed project description & activities
- ☐ Project location map showing project limits (USGS Quad)
- ☐ BIN and date of construction for pre-1961 bridge(s)
- ☐ Approximate limits of ground disturbance associated with proposed project activities (vertical & horizontal)
- ☐ Photos of buildingS
- ☐ Other

ESA Section 7 Summary Review

Environmental Design & Research,
Landscape Architecture, Engineering & Environmental Services, D.P.C.

217 Montgomery Street, Suite 1000, Syracuse, New York 13202
P. 315.471.0688 • F. 315.471.1061 • www.edrdpc.com

memorandum

To:	New York State Department of Transportation (NYSDOT) Region 4 c/o Dennis Kennelly T.Y. Lin International	**EDR Project No:**	18049
From:	Caitlin Graff, Environmental Design & Research, Landscape Architecture, Engineering & Environmental Services, D.P.C. (EDR)		
Date:	June 26, 2018		
Reference:	Endangered Species Act (ESA), Section 7 Summary Review: PIN 4CR004 – Lyell Avenue Highway Preventative Maintenance City of Rochester, Monroe County, New York		

Comments:

EDR is pleased to provide this Memorandum summarizing the review of the Lyell Avenue Highway Preventative Maintenance Project (Project) under the Federal Highway Administration (FHWA) New York Division Environmental Procedures: ESA, Section 7 Process for Compliance and Consultation (updated August 10, 2017).

Project Description

The proposed Project generally includes milling and resurfacing Lyell Avenue from Lake Avenue to Mount Read Boulevard in Rochester, New York (see attached Project location map). More specifically, the Project includes repairing the existing pavement base, resurfacing of adjacent driveway aprons to meet the new street grades, adjusting water valve and sewer castings, resetting or installing new granite curbs (as needed), replacing hazardous sidewalks, installing truncated domes at the handicap ramps, installing pavement markings, and replacing traffic loops. The Project, in total, is approximately 9,600 feet in length, with a total area of approximately 19.6 acres. All Project work will be limited to the existing right of way.

ESA Process

The New York Natural Heritage Program (NYNHP) was contacted on March 26, 2018, and the United States Fish and Wildlife Service's (USFWS) Information for Planning and Consultation (IPaC) system was reviewed on April 13, 2018 (see attached) to identify listed threatened and/or endangered species potentially present within the Project vicinity. Identified species include the following:

Species Name	Identified by	Federal Listing	New York State Listing
Northern long-eared bat (NLEB)	IPaC	Threatened	Threatened
Peregrine falcon	NYNHP	Not Applicable	Endangered

The NLEB was listed by the IPaC as potentially located within the Project area, but was not listed by the NYNHP as having been identified within the vicinity of the Project. The IPaC listed the NLEB as both a threatened Federal- and state-listed species.

Correspondence from the NYNHP dated April 13, 2018 did not indicate the presence of the NLEB within the vicinity of the Project (see attached). According to the New York State Department of Environmental Conservation's (NYSDEC) available online data of NLEB occurrences by town[1], there are no NLEB hibernaculum (winter habitat) or known roost trees (summer habitat) in Monroe County, New York.

Trees with flaking and peeling bark are considered potential NLEB habitat and roost trees. Some trees within the Project site and adjacent to the Project site were observed with flaking or peeling bark. Based on existing Project information, no tree removal is expected to occur; therefore, potential NLEB habitat and roost trees will not be affected by Project work.

The aforementioned NYNHP correspondence indicated that peregrine falcons have breeding habitat within 0.3 miles of the Project. Peregrine falcons have adapted to living in many cities and make use of tall buildings that provide suitable ledges for nesting and depend on the large populations of pigeons and starlings in cities for food[2]. Rochester, New York has fostered successful breeding pairs of peregrine falcons since 1998[3]. Originally, a nesting box was placed at the top of the Kodak Office Building in 1995, which was first occupied by peregrine falcons in 1998. This nesting box was moved to the Powers Building in 2008 to accommodate renovations to the Kodak Office Building, and a second nesting box was placed onto the Times Square Building. Currently, there is a nesting pair atop the Times Square Building[4], approximately 2.45 miles from the Project. An assessment of the Project site did not reveal suitable habitat (i.e., tall buildings/tall bridges) nor visible sign of activity by peregrine falcons (i.e., bird strikes) within the Project area. Therefore, the Project is anticipated to result in "no effect" to the species or species habitat.

<u>Effect Determination</u>

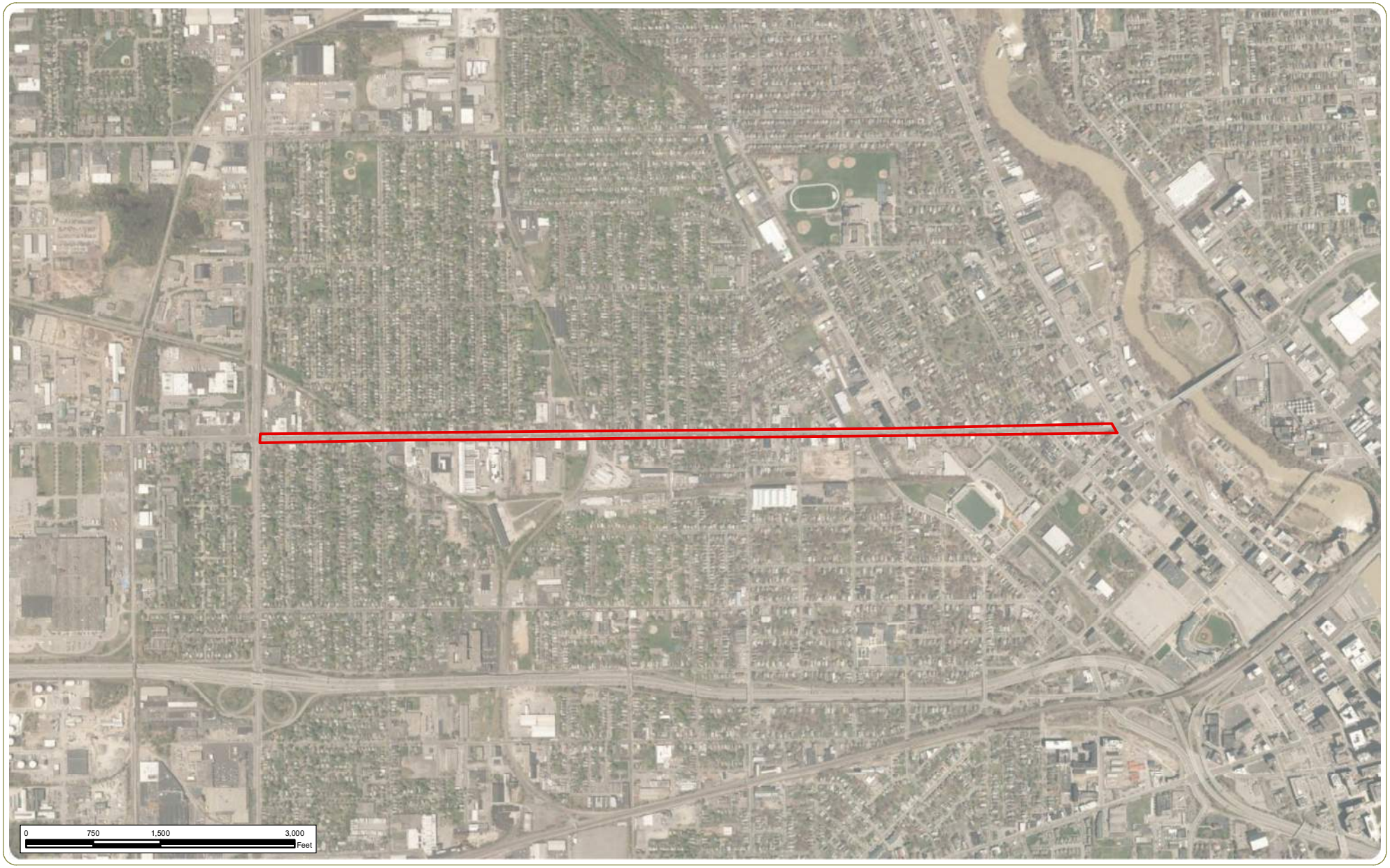
Based on Project information, a site visit, and correspondence from the USFWS and NYNHP, EDR completed the ESA Transmittal Sheet and Species Conclusion Table (see attached). Due to the nature of the proposed Project[5], EDR determined that the finding for the Project site is: Activity-Based, No Effect. The Project is classified as Item 24 on the Activity-Based No Effect List in the *ESA, Section 7 Process for Compliance and Consultation*. This classification indicates that based on the work type and the lack of tree removal, the Project will have No Effect on listed species or critical habitat due to the nature of the activity as: a 1R Project that does not involve drainage work or work off the paved surface/shoulder, or bridge work.

As noted above, the finding for the state-listed peregrine falcon is: No effect, no suitable habitat present.

Attachments:

- Project Location Map
- USFWS Species List
- NYNHP Correspondence
- ESA Transmittal Sheet
- Species Conclusion Table

[1] NYSDEC. 2016. Northern Long-eared Bat Occurrences by Town. Available at: http://www.dec.ny.gov/docs/wildlife_pdf/nlebtowns.pdf (Accessed March 2018).
[2] Defenders of Wildlife. Undated. Peregrine falcon. Available at https://defenders.org/peregrine-falcon/basic-facts. (Accessed April 2018).
[3] City of Rochester, New York. Undated. Downtown Falcons. Available at: http://www.cityofrochester.gov/article.aspx?id=858994251. (Accessed April 2018).
[4] Genesee Valley Audubon Society. 2018. Rfalconcam. Available at: http://rfalconcam.com/rfc-main/. (Accessed April 2018).



Lyell Avenue Highway Preventive Maintenance (PIN 4CR004)

City of Rochester, Monroe County, New York

Project Location

Project Location

Notes: 1. Basemap: NYSDOP 2015 orthoimagery map service. **2.** This map was generated in ArcMap on March 26, 2018. **3.** This is a color graphic. Reproduction in grayscale may misrepresent the data.

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United States Department of the Interior

FISH AND WILDLIFE SERVICE
New York Ecological Services Field Office
3817 Luker Road
Cortland, NY 13045-9385
Phone: (607) 753-9334 Fax: (607) 753-9699
http://www.fws.gov/northeast/nyfo/es/section7.htm

In Reply Refer To: April 13, 2018
Consultation Code: 05E1NY00-2018-SLI-1754
Event Code: 05E1NY00-2018-E-05359
Project Name: PIN 4CR004 Lyell Avenue Highway Preventive Maintenance

Subject: List of threatened and endangered species that may occur in your proposed project location, and/or may be affected by your proposed project

To Whom It May Concern:

The enclosed species list identifies threatened, endangered, proposed and candidate species, as well as proposed and final designated critical habitat, that may occur within the boundary of your proposed project and/or may be affected by your proposed project. The species list fulfills the requirements of the U.S. Fish and Wildlife Service (Service) under section 7(c) of the Endangered Species Act (ESA) of 1973, as amended (16 U.S.C. 1531 *et seq.*). This list can also be used to determine whether listed species may be present for projects without federal agency involvement. New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list.

Please feel free to contact us if you need more current information or assistance regarding the potential impacts to federally proposed, listed, and candidate species and federally designated and proposed critical habitat. Please note that under 50 CFR 402.12(e) of the regulations implementing section 7 of the ESA, the accuracy of this species list should be verified after 90 days. This verification can be completed formally or informally as desired. The Service recommends that verification be completed by visiting the ECOS-IPaC site at regular intervals during project planning and implementation for updates to species lists and information. An updated list may be requested through the ECOS-IPaC system by completing the same process used to receive the enclosed list. If listed, proposed, or candidate species were identified as potentially occurring in the project area, coordination with our office is encouraged. Information on the steps involved with assessing potential impacts from projects can be found at: http://www.fws.gov/northeast/nyfo/es/section7.htm

Please be aware that bald and golden eagles are protected under the Bald and Golden Eagle Protection Act (16 U.S.C. 668 *et seq.*), and projects affecting these species may require development of an eagle conservation plan (http://www.fws.gov/windenergy/

eagle_guidance.html). Additionally, wind energy projects should follow the Services wind energy guidelines (http://www.fws.gov/windenergy/) for minimizing impacts to migratory birds and bats.

Guidance for minimizing impacts to migratory birds for projects including communications towers (e.g., cellular, digital television, radio, and emergency broadcast) can be found at: http://www.fws.gov/migratorybirds/CurrentBirdIssues/Hazards/towers/towers.htm; http://www.towerkill.com; and http://www.fws.gov/migratorybirds/CurrentBirdIssues/Hazards/towers/comtow.html.

We appreciate your concern for threatened and endangered species. The Service encourages Federal agencies to include conservation of threatened and endangered species into their project planning to further the purposes of the ESA. Please include the Consultation Tracking Number in the header of this letter with any request for consultation or correspondence about your project that you submit to our office.

Attachment(s):

- Official Species List

Official Species List

This list is provided pursuant to Section 7 of the Endangered Species Act, and fulfills the requirement for Federal agencies to "request of the Secretary of the Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action".

This species list is provided by:

New York Ecological Services Field Office
3817 Luker Road
Cortland, NY 13045-9385
(607) 753-9334

Project Summary

Consultation Code: 05E1NY00-2018-SLI-1754

Event Code: 05E1NY00-2018-E-05359

Project Name: PIN 4CR004 Lyell Avenue Highway Preventive Maintenance

Project Type: TRANSPORTATION

Project Description: The Project work will occur on Lyell Avenue (Lake Avenue to Mount Read Boulevard, in Rochester, New York.
The scope of work consists of milling and resurfacing city streets, including repair of the existing pavement base, resurfacing of adjacent driveway aprons to meet the new street grades, adjustment of water valve and sewer castings, resetting or installing new granite curbs as needed, replacement of hazardous sidewalks, installation of truncated domes at the handicap ramps, installation of pavement markings, and replacement of traffic loops.

Project Location:

Approximate location of the project can be viewed in Google Maps: https://www.google.com/maps/place/43.16464585066471N77.64138886415014W

Counties: Monroe, NY

Endangered Species Act Species

There is a total of 1 threatened, endangered, or candidate species on this species list.

Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species.

IPaC does not display listed species or critical habitats under the sole jurisdiction of NOAA Fisheries[1], as USFWS does not have the authority to speak on behalf of NOAA and the Department of Commerce.

See the "Critical habitats" section below for those critical habitats that lie wholly or partially within your project area under this office's jurisdiction. Please contact the designated FWS office if you have questions.

---

1. NOAA Fisheries, also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

Mammals

NAME	STATUS
Northern Long-eared Bat *Myotis septentrionalis* No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/9045	Threatened

Critical habitats

THERE ARE NO CRITICAL HABITATS WITHIN YOUR PROJECT AREA UNDER THIS OFFICE'S JURISDICTION.

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Fish and Wildlife, New York Natural Heritage Program
625 Broadway, Fifth Floor, Albany, NY 12233-4757
P: (518) 402-8935 | F: (518) 402-8925
www.dec.ny.gov

April 13, 2018

Madeline Turnquist
Environmental Design & Research
217 Montgomery Street, Suite 1000
Syracuse, NY 13202

Re: 18049 - Lyell Avenue Highway Preventivie Maintenance
County: Monroe Town/City: City of Rochester

Dear Ms. Turnquist:

In response to your recent request, we have reviewed the New York Natural Heritage Program database with respect to the above project.

Enclosed is a report of rare or state-listed animals and plants, and significant natural communities that our database indicates occur in the vicinity of the project site.

For most sites, comprehensive field surveys have not been conducted; the enclosed report only includes records from our database. We cannot provide a definitive statement as to the presence or absence of all rare or state-listed species or significant natural communities. Depending on the nature of the project and the conditions at the project site, further information from on-site surveys or other sources may be required to fully assess impacts on biological resources.

Our database is continually growing as records are added and updated. If this proposed project is still under development one year from now, we recommend that you contact us again so that we may update this response with the most current information.

The presence of the plants and animals identified in the enclosed report may result in this project requiring additional review or permit conditions. For further guidance, and for information regarding other permits that may be required under state law for regulated areas or activities (e.g., regulated wetlands), please contact the NYS DEC Region 8 Office, Division of Environmental Permits, as listed at www.dec.ny.gov/about/39381.html.

Sincerely,

Andrea Chaloux

Andrea Chaloux
Environmental Review Specialist
New York Natural Heritage Program

342

The following state-listed animal has been documented in the vicinity of the project site.

The following list includes animals that are listed by NYS as Endangered, Threatened, or Special Concern; and/or that are federally listed or are candidates for federal listing.

For information about any permit considerations for the project, contact the Permits staff at the NYSDEC Region 8 Office. For information about potential impacts of the project on this species, and how to avoid, minimize, or mitigate any impacts, contact the Wildlife Manager.

A listing of Regional Offices is at http://www.dec.ny.gov/about/558.html.

The following species has been documented within 0.3 mi of the project site.

COMMON NAME	*SCIENTIFIC NAME*	*NY STATE LISTING*	*FEDERAL LISTING*	
Birds				
Peregrine Falcon *Breeding*	*Falco peregrinus*	Endangered		9340

This report only includes records from the NY Natural Heritage database.

If any rare plants or animals are documented during site visits, we request that information on the observations be provided to the New York Natural Heritage Program so that we may update our database.

Information about many of the listed animals in New York, including habitat, biology, identification, conservation, and management, are available online in Natural Heritage's Conservation Guides at www.guides.nynhp.org, and from NYSDEC at www.dec.ny.gov/animals/7494.html.

PIN: 4CR004 PROJECT NAME: Lyell Avenue Highway Preventative Maintenance DATE: June 2018

Section 7 ESA Process: ESA Transmittal Sheet

Step 3: Documentation. Please complete the appropriate boxes below and complete the documentation as described.

	ESA Does Not Apply	No Effect, Activity-Based	No Effect, No Suitable Habitat or No Effect	BATS: MA, NLAA, 14-Day Form, or IPaC Submittal	NLEB: MA, LAA 30 Day Form or IPaC Submittal	MA, NLAA, Traditional 7-step Process	MA, LAA, Formal Consultation
Northern Long-eared Bat	☐	24/1R	☐	☐	☐	☐	☐
Indiana Bat	☐		☐	☐	NA	☐	☐
Bog Turtle	☐		☐	NA	NA	☐	☐
Mollusks (Dwarf Wedge Mussel, Rayed Bean, Clubshell, Chittenango Ovate Amber Snail)	☐		☐	NA	NA	☐	☐
Karner Blue Butterfly	☐		☐	NA	NA	☐	☐
Sturgeon (Shortnose, Atlantic)	☐		☐	NA	NA	☐	☐
Other listed species (Please List) Peregrine falcon (state-listed)	☐		☒	NA	NA	☐	☐
Documentation Required	The IPaC report is included in the Design Report.	Record the corresponding number(s) of the activity in the box above. This sheet and the IPaC printout are included in the Design Report.	NYSDOT submits "No Suitable Habitat Determination" or "No Effect" Documentation to FHWA for Concurrence.	NYSDOT submits 14-day Form to the USFWS (cc: Area Engineer), or submits through IPaC w/ Area Engineer included	NYSDOT submits 30-day Form to FHWA (then to USFWS) or submits through IPaC w/ Area Engineer included	NYSDOT submits either BE or BA to FHWA, who submits to USFWS for concurrence.	NYSDOT submits BA to FHWA for Initiation of Formal Consultation with USFWS.

Instructions for Use: This Summary Sheet is sent to FHWA for concurrence for all submissions, except "ESA Does Not Apply" and "No Effect, Activity-Based". A submittal package should include all documentation for all species requiring concurrence, with a cover letter requesting concurrence, so that FHWA can make one ESA determination. **SEE EACH SPECIES-SPECIFIC PACKAGE FOR SPECIFIC DOCUMENTATION REQUIREMENTS FOR SUBMITTALS**. Also, FHWA requires documentation of compliance with ESA in the Design Report.

Species Conclusions Table

Project Name: PIN 4CR004 – Lyell Avenue Highway Preventative Maintenance Project

Date: June 26, 2018

Species Name/Critical Habitat	Potential Habitat Present?	Species Present?	Critical Habitat Present?	ESA / Eagle Act Determination	Notes / Documentation Summary (include full rationale in your report)
NLEB (*Federal- and state-listed threatened species*)	Yes	No	No	Activity-based "No Effect"	March 28, 2018 site visit observed no sightings or evidence of bats. The Project is classified as a 24/1R Project; and as such, receives this determination.
Peregrine falcon (*state-listed endangered species*)	No	No	No	No Effect, No Suitable Habitat Present	Peregrine falcons have adapted to living in many cities and make use of tall buildings that provide suitable ledges for nesting and depend on the large populations of pigeons and starlings in cities for food. A nesting pair is present in Rochester's Times Square Building, approximately 2.45 miles from the Project. The Project is limited to improvement of an existing roadway, which is not suitable habitat for this species.

APPENDIX 'I'

Capital Projects Complete Streets Checklist

T·Y·LIN INTERNATIONAL

engineers | planners | scientists

Chapter 18, Appendix A - CAPITAL PROJECTS **COMPLETE STREETS CHECKLIST** (18A-4)

PIN:	4CR004	**Project Location:**	Lyell Avenue (Mt. Read Blvd to Lake Ave)
Context:	☒ **Urban / Village** ☐ **Suburban** ☐ **Rural**		
Project Title:	Lyell Avenue Hwy PM (Group 11)		

STEP 1- APPLICABILITY OF CHECKLIST		
1.1	Is the project located entirely on a facility where bicyclists and pedestrians are prohibited by law and the project does not involve a shared use path or pedestrian/bicycle structure? *If **no**, continue to question 1.2. If **yes**, stop here.*	☐ **Yes** ☒ **No**
1.2	a. Is this project a 1R* Maintenance project? *If **no**, continue to question 1.3. If **yes**, go to part b of this question.*	☒ **Yes** ☐ **No**
1.2	b. Are there opportunities on the 1R project to improve safety for bicyclists and pedestrians with the following Complete Street features? • Sidewalk curb ramps and crosswalks • Shoulder condition and width • Pavement markings • Signing *Document opportunities or deficiencies in the IPP and **stop here.*** ** Refer to Highway Design Manual (HDM) Chapter 7, Exhibit 7-1 "Resurfacing ADA and Safety Assessment Form" under ADA, Pavement Markings and Shoulder Resurfacing for guidance.*	☒ **Yes** ☐ **No**
1.3	Is this project a Cyclical Pavement Marking project? *If **no**, continue to question 1.4. If **yes**, review EI 13-021* and identify opportunities to improve safety for bicyclists and pedestrians with the following Complete Streets features:* • Travel lane width • Shoulder width • Markings for pedestrians and bicyclists *Document opportunities or deficiencies in the IPP and **stop here.*** ** EI 13-021, "Requirements and Guidance for Pavement Marking Operations - Required Installation of CARDS and Travel Lane and Shoulder Width Adjustments".*	☐ **Yes** ☒ **No**
1.4	Is this a Maintenance project *(as described in the "Definitions" section of this checklist)* and different from 1.2 and 1.3 projects? *If **no**, continue to Step 2. If **yes,** the Project Development Team should continue to look for opportunities during the Design Approval process to improve existing bicycle and pedestrian facilities within the scope of project. Identify the project type in the space below and **stop here.*** [ ]	☐ **Yes** ☒ **No**

STEP 1 prepared by: T.Y. Lin International Date: 4/16/2018

STEP 2 - IPP LEVEL QUESTIONS (At Initiation)	**Comment / Action**

2.1	Are there public policies or approved known development plans (e.g., community Complete Streets policy, Comprehensive Plan, MPO Long Range and/or Bike/Ped plan, Corridor Study, etc.) that call for consideration of pedestrian, bicycle or transit facilities in, or linking to, the project area? *Contact municipal planning office, Regional Planning Group and Regional Bicycle/Pedestrian Coordinator.*	☒ **Yes** ☐ **No**	City of Rochester's Complete Streets Policy, Bicycle Master Plan, NACTO Urban Bikeway Design Guide.
2.2	Is there an existing or planned sidewalk, shared use path, bicycle facility, pedestrian-crossing facility or transit stop in the project area?	☒ **Yes** ☐ **No**	Existing sidewalks, bike lanes, pedestrian-crossings, transit stops.
2.3	a. Is the highway part of an existing or planned State, regional or local bicycle route? *If **no**, proceed to question 2.4. If **yes**, go to part b of this question.* b. Do the existing bicycle accommodations meet the minimum standard guidelines of HDM Chapter 17 or the AASHTO "Guide for the Development of Bicycle Facilities"? * *Contact Regional Bicycle/Pedestrian Coordinator* ** Per HDM Chapter 17- Section 17.4.3, Minimum Standards and Guidelines.*	☒ **Yes** ☐ **No** ☒ **Yes** ☐ **No**	Existing bike lanes.
2.4	Is the highway considered important to bicycle tourism by the municipality or region?	☐ **Yes** ☒ **No**	Considered important to local bicycle use.
2.5	Is the highway affected by special events (e.g., fairs, triathlons, festivals) that might influence bicycle, pedestrian or transit users? *Contact Regional Traffic and Safety*	☐ **Yes** ☒ **No**	
2.6	Are there existing or proposed generators within the project area (*refer to the "Guidance" section*) that have the potential to generate pedestrian or bicycle traffic or improved transit accommodations? *Contact the municipal planning office, Regional Planning Group, and refer to the CAMCI Viewer, described in the "Definitions" section.*	☒ **Yes** ☐ **No**	
2.7	Is the highway an undivided 4 lane section in an urban or suburban setting, with narrow shoulders, no center turn lanes, and existing Annual Average Daily Traffic (AADT) < 15,000 vehicles per day? *If **yes**, consider a road diet evaluation for the scoping/design phase. Refer to the "Definitions" section for more information on road diets.*	☐ **Yes** ☒ **No**	The majority of Lyell Ave is a 3 lane section, with various turn lanes. The AADT is 17,724 in 2013.

2.8	Is there evidence of pedestrian activity (e.g., a worn path) and no or limited pedestrian infrastructure?	☐ **Yes** ☒ **No**	Pedestrian infrastructure exists, including sidewalks and crosswalks.

STEP 2 prepared by: T.Y. Lin International Date: 4/16/2018

Bicycle/Pedestrian Coordinator has been provided an opportunity to comment: ☒ **Yes** ☐ **No**

ATTACH TO IPP AND INCLUDE RECOMMENDATIONS FOR SCOPING/DESIGN.

STEP 3 - PROJECT DEVELOPMENT LEVEL QUESTIONS (Scoping/Design Stage)			**Comment / Action**
3.1	Is there an identified need for bicycle/pedestrian/ transit or "way finding" signs that could be incorporated into the project?	☒ **Yes** ☐ **No**	Signs will be udated as needed. No way finding signs are proposed.
3.2	Is there history of bicycle or pedestrian crashes in the project area for which improvements have not yet been made?	☐ **Yes** ☒ **No**	An Accident anlaysis is being conducted.
3.3	Are there existing curb ramps, crosswalks, pedestrian traffic signal features, or sidewalks that don't meet ADA standards per HDM Chapter 18?	☒ **Yes** ☐ **No**	Pedestrian access and handicap accessibility does not meet curent ADA standards at various locations.
3.4	Is the posted speed limit is 40 mph or more and the paved shoulder width less than 4' (1.2 m) (6' in the Adirondack or other State Park)? *Refer to EI 13-021*.	☐ **Yes** ☒ **No**	30 mph speed limit.
3.5	Is there a perceived pedestrian safety or access concern that could be addressed by the use of traffic calming tools (e.g., bulb outs, raised pedestrian refuge medians, corner islands, raised crosswalks, mid-block crossings)?	☐ **Yes** ☒ **No**	No, except for ADA compliance at pedestrian crossings. Pedestrian access will be upgraded where practically feasible.
3.6	Are there conflicts among vehicles (moving or parked) and bike, pedestrian or transit users which could be addressed by the project?	☒ **Yes** ☐ **No**	Upgrades to pedestrian access, signage, and bicycle infrastructure providing continuous bicycle lanes will reduce conflicts.
3.7	Are there opportunities (or has the community expressed a desire) for new/improved pedestrian-level lighting, to create a more inviting or safer environment?	☐ **Yes** ☒ **No**	
3.8	Does the community have an existing street furniture program or a desire for street appurtenances (e.g., bike racks, benches)?	☐ **Yes** ☒ **No**	

3.9	Are there gaps in the bike/pedestrian connections between existing/planned generators? *Consider locations within and in close proximity of the project area. (Within 0.5 mi (800 m) for pedestrian facilities and within 1.0 mi (1600 m) for bicycle facilities.)*	☒ **Yes** ☐ **No**	Gaps in connections exist at the major intersections (Mt. Read Blvd, Broad St, and Lake Ave).
3.10	Are existing transit route facilities (bus stops, shelters, pullouts) inadequate or in inconvenient locations? (e.g., not near crosswalks) *Consult with Traffic and Safety and transit operator, as appropriate*	☒ **Yes** ☐ **No**	Recommended adjustments will be coordinated with RTS and the City.
3.11	Are there opportunities to improve vehicle parking patterns or to consolidate driveways, (which would benefit transit, pedestrians and bicyclists) as part of this project?	☒ **Yes** ☐ **No**	Vehicle parking maintained where appropreate and removed where it is not needed to include bicycle lanes.
3.12	Is the project on a "local delivery" route and/or do area businesses rely upon truck deliveries that need to be considered in design?	☒ **Yes** ☐ **No**	
3.13	Are there opportunities to include green infrastructure which may help reduce stormwater runoff and/or create a more inviting pedestrian environment?	☐ **Yes** ☒ **No**	
3.14	Are there opportunities to improve bicyclist operation through intersections and interchanges such as with the use of bicycle lane width and/or signing?	☒ **Yes** ☐ **No**	Continuous bicycle lanes will be provided.

STEP 3 prepared by: T.Y. Lin International Date: 4/16/2018

Additional comments, supporting documentation and clarifications for answers in step 1, 2 or 3:

APPENDIX 'J'

Smart Growth Screening Tool

T·Y·LIN INTERNATIONAL

engineers | planners | scientists

Prepared By: Environmental Design and Research, D.P.C.

Smart Growth Screening Tool (STEP 1)

NYSDOT & Local Sponsors – Fill out the Smart Growth Screening Tool until the directions indicate to **STOP** for the project type under consideration. For all other projects, complete answering the questions. For any questions, refer to Smart Growth Guidance document.

Title of Proposed Project: Lyell Avenue Highway Preventative Maintenance

Location of Project: City of Rochester, Monroe County, New York

Brief Description: The proposed Project generally includes milling and resurfacing Lyell Avenue from Lake Avenue to Mount Read Boulevard in Rochester, New York. More specifically, the Project includes repairing the existing pavement base, resurfacing of adjacent driveway aprons to meet the new street grades, adjusting water valve and sewer castings, resetting or installing new granite curbs (as needed), replacing hazardous sidewalks, installing truncated domes at the handicap ramps, installing pavement markings, and replacing traffic loops. The Project, in total, is approximately 9,600 feet in length, with a total area of approximately 19.6 acres. All Project work will be limited to the existing right of way.

A. Infrastructure:

Addresses SG Law criterion a. –
(To advance projects for the use, maintenance or improvement of existing infrastructure)

1. Does this project use, maintain, or improve existing infrastructure?

Yes ☒ **No** ☐ **N/A** ☐

Explain: (use this space to expand on your answers above – the form has no limitations on the length of your narrative)

This Project will maintain and improve the existing Lyell Avenue roadway through resurfacing and infrastructure improvements, generally by milling and resurfacing the existing roadway. Curb and sidewalk replacements will be limited to an as-needed basis. Sidewalks, curb ramps, and crosswalks will be evaluated and upgraded to meet standard Americans with Disabilities Act (ADA) compliance.

Maintenance Projects Only

a. Continue with screening tool for the four (4) types of maintenance projects listed below, as defined in **NYSDOT PDM Exhibit 7-1 and described in 7-4:** https://www.dot.ny.gov/divisions/engineering/design/dqab/pdm

- Shoulder rehabilitation and/or repair;
- Upgrade sign(s) and/or traffic signals;
- Park & ride lot rehabilitation;
- 1R projects that include single course surfacing (inlay or overlay), per Chapter 7 of the NYSDOT Highway Design Manual.

b. For all other maintenance projects, **STOP here.** Attach this document to the programmatic Smart Growth Impact Statement and signed Attestation for Maintenance projects.

For all other projects (other than maintenance), continue with screening tool.

B. Sustainability:

NYSDOT defines Sustainability as follows: A sustainable society manages resources in a way that fulfills the community/social, economic and environmental needs of the present without compromising the needs and opportunities of future generations. A transportation system that supports a sustainable society is one that:

- Allows individual and societal transportation needs to be met in a manner consistent with human and ecosystem health and with equity within and between generations.
- Is safe, affordable, and accessible, operates efficiently, offers choice of transport mode, and supports a vibrant economy.
- Protects and preserves the environment by limiting transportation emissions and wastes, minimizes the consumption of resources and enhances the existing environment as practicable.

For more information on the Department's Sustainability strategy, refer to Appendix 1 of the Smart Growth Guidance and the NYSDOT web site, www.dot.ny.gov/programs/greenlites/sustainability

(Addresses SG Law criterion j **:** to promote sustainability by strengthening existing and creating new communities which reduce greenhouse gas emissions and do not compromise the needs of future generations, by among other means encouraging broad based public involvement in developing and implementing a community plan and ensuring the governance structure is adequate to sustain and implement.)

1. Will this project promote sustainability by strengthening existing communities?

   Yes ☒ **No** ☐ **N/A** ☐

2. Will the project reduce greenhouse gas emissions?

   Yes ☐ **No** ☒ **N/A** ☐

   Explain: (use this space to expand on your answers above)

This Project will promote sustainability by improving the transportation infrastructure within the community. The Project will also increase roadway safety and accessibility for different user groups. Bike lanes will be improved or added on an as-needed basis. Sidewalks and handicap ramps will improve disability access.

C. Smart Growth Location:

Plans and investments should preserve our communities by promoting its distinct identity through a local vision created by its citizens.

(Addresses SG Law criteria b and c**:** to advance projects located in municipal centers; to advance projects in developed areas or areas designated for concentrated infill development in a municipally approved comprehensive land use plan, local waterfront revitalization plan and/or brownfield opportunity area plan.)

1. Is this project located in a developed area?

   Yes ☒ **No** ☐ **N/A** ☐

2. Is the project located in a municipal center?

   Yes ☐ **No** ☒ **N/A** ☐

3. Will this project foster downtown revitalization?

   Yes ☐ **No** ☒ **N/A** ☐

4. Is this project located in an area designated for concentrated infill development in a municipally approved comprehensive land use plan, waterfront revitalization plan, or Brownfield Opportunity Area plan?

   Yes ☐ **No** ☒ **N/A** ☐

Explain: (use this space to expand on your answers above)

This Project is located in a mixed residential and commercial area, and is an improvement of existing transportation infrastructure. The area is currently fully developed, but it is approximately two miles from the downtown center of Rochester, and is not directly located in a municipal center.

D. Mixed Use Compact Development:

Future planning and development should assure the availability of a range of choices in housing and affordability, employment, education transportation and other essential services to encourage a jobs/housing balance and vibrant community-based workforce.

(Addresses SG Law criteria e and i: to foster mixed land uses and compact development, downtown revitalization, brownfield redevelopment, the enhancement of beauty in public spaces, the diversity and affordability of housing in proximity to places of employment, recreation and commercial development and the integration of all income groups; to ensure predictability in building and land use codes.)

1. Will this project foster mixed land uses?

   Yes ☐ **No** ☒ **N/A** ☐

2. Will the project foster brownfield redevelopment?

   Yes ☐ **No** ☒ **N/A** ☐

3. Will this project foster enhancement of beauty in public spaces?

   Yes ☒ **No** ☐ **N/A** ☐

4. Will the project foster a diversity of housing in proximity to places of employment and/or recreation?

   Yes ☐ **No** ☒ **N/A** ☐

5. Will the project foster a diversity of housing in proximity to places of commercial development and/or compact development?

   Yes ☐ **No** ☒ **N/A** ☐

6. Will this project foster integration of all income groups and/or age groups?

   Yes ☐ **No** ☒ **N/A** ☐

7. Will the project ensure predictability in land use codes?

   Yes ☐ **No** ☒ **N/A** ☐

8. Will the project ensure predictability in building codes?

   Yes ☐ **No** ☒ **N/A** ☐

Explain: (use this space to expand on your answers above)

This Project is an improvement of deteriorating transportation infrastructure, and will therefore foster enhancement of beauty in public spaces. The Project is not expected to have a significant impact on land use or brownfield redevelopment. This Project will have no impact on diversity of housing related to places of employment, commercial development, or recreation.

E. Transportation and Access:

NYSDOT recognizes that Smart Growth encourages communities to offer a wide range of transportation options, from walking and biking to transit and automobiles, which increase people's access to jobs, goods, services, and recreation.

(Addresses SG Law criterion f: to provide mobility through transportation choices including improved public transportation and reduced automobile dependency.)

1. Will this project provide public transit?

   Yes ☐ **No** ☒ **N/A** ☐

2. Will this project enable reduced automobile dependency?

   Yes ☒ **No** ☐ **N/A** ☐

3. Will this project improve bicycle and pedestrian facilities (such as shoulder widening to provide for on-road bike lanes, lane striping, crosswalks, new or expanded sidewalks or new/improved pedestrian signals)?

   Yes ☒ **No** ☐ **N/A** ☐

   (Note: Question 3 is an expansion on question 2. The recently passed Complete Streets legislation requires that consideration be given to complete street design features in the planning, design, construction, reconstruction and rehabilitation, but not including resurfacing, maintenance, or pavement recycling of such projects.)

   Explain: (use this space to expand on your answers above)

   This Project does not provide public transit; however, the Project may reduce automobile dependency by improving and adding bicycle lanes and improving the handicap and ADA accessibility along the roadway. These improvements include improving surface drainage and riding quality, and installing handicap ramps and equipping existing ramps with truncated domes. Bike posts will be installed and video detection at boulevard signalized intersections.

F. Coordinated, Community-Based Planning:

Past experience has shown that early and continuing input in the transportation planning process leads to better decisions and more effective use of limited resources. For information on community based planning efforts, the MPO may be a good resource if the project is located within the MPO planning area.

(Addresses SG Law criteria g and h: to coordinate between state and local government and inter-municipal and regional planning; to participate in community based planning and collaboration.)

1. Has there been participation in community-based planning and collaboration on the project?

Yes ☒ **No** ☐ **N/A** ☐

2. Is the project consistent with local plans?

Yes ☒ **No** ☐ **N/A** ☐

3. Is the project consistent with county, regional, and state plans?

Yes ☒ **No** ☐ **N/A** ☐

4. Has there been coordination between inter-municipal/regional planning and state planning on the project?

Yes ☒ **No** ☐ **N/A** ☐

Explain: (use this space to expand on your answers above)

There is a public information component to the transportation management plan. This plan is consistent with local, county, and state plans. There has been, and will continue to be, coordination between state and local officials and groups.

G. Stewardship of Natural and Cultural Resources:

Clean water, clean air and natural open land are essential elements of public health and quality of life for New York State residents, visitors, and future generations. Restoring and protecting natural assets, and open space, promoting energy efficiency, and green building, should be incorporated into all land use and infrastructure planning decisions.

(Addresses SG Law criterion d :To protect, preserve and enhance the State's resources, including agricultural land, forests surface and ground water, air quality, recreation and open space, scenic areas and significant historic and archeological resources.)

1. Will the project protect, preserve, and/or enhance agricultural land and/or forests?

Yes ☐ **No** ☒ **N/A** ☐

2. Will the project protect, preserve, and/or enhance surface water and/or groundwater?

Yes ☐ **No** ☒ **N/A** ☐

3. Will the project protect, preserve, and/or enhance air quality?

Yes ☐ **No** ☒ **N/A** ☐

4. Will the project protect, preserve, and/or enhance recreation and/or open space?

Yes ☐ **No** ☒ **N/A** ☐

5. Will the project protect, preserve, and/or enhance scenic areas?

Yes ☐ **No** ☒ **N/A** ☐

6. Will the project protect, preserve, and/or enhance historic and/or archeological resources?

Yes ☐ **No** ☒ **N/A** ☐

Explain: (use this space to expand on your answers above)

This Project is not likely to protect, preserve, or enhance agriculture lands, surface water or ground water, forests, air quality, recreation or open spaces, scenic areas, and/or historic or archeological resources. However, the Project will also not adversely affect these resources. The Project is located in a mixed residential commercial area surrounded by paved roadways and stormwater drains.

Smart Growth Impact Statement (STEP 2)

NYSDOT: Complete a Smart Growth Impact Statement (SGIS) below using the information from the Screening Tool.

Local Sponsors: The local sponsors are **not** responsible for completing a Smart Growth Impact Statement. Proceed to **Step 3**.

Smart Growth Impact Statement

PIN:

Project Name:

Pursuant to ECL Article 6, this project is compliant with the New York State Smart Growth Public Infrastructure Policy Act. This project has been determined to meet the relevant criteria, to the extent practicable, described in ECL Sec. 6-0107. Specifically, the project:

-
-
-
-
-
-

This publically supported infrastructure project complies with the state policy of maximizing the social, economic and environmental benefits from public infrastructure development. The project will not contribute to the unnecessary costs of sprawl development, including environmental degradation, disinvestment in urban and suburban communities, or loss of open space induced by sprawl.

Review & Attestation Instructions (STEP 3)

Local Sponsors: Once the Smart Growth Screening Tool is completed, the next step is to submit the project certification statement **(Section A)** to Responsible Local Official for signature. After signing the document, the completed Screening Tool and Certification statement should be sent to NYSDOT for review as noted below.

NYSDOT: For state-let projects, the Screening Tool and SGIS is forwarded to Regional Director/ RPPM/Main Office Program Director or designee for review, and upon approval, the attestation is signed **(Section B.2).** For locally administered projects, the sponsor's submission and certification statement is reviewed by NYSDOT staff, the appropriate box **(Section B.1)** is checked, and the attestation is signed (Section B.2).

A. CERTIFICATION (LOCAL PROJECT)

I HEREBY CERTIFY, *to the best of my knowledge, all of the above to be true and correct.*

Preparer of this document:

Hayley Effler

Signature

July 10, 2018

Date

Senior Environmental Analyst

Title

Hayley Effler

Printed Name

Responsible Local Official (for local projects):

Signature

8-2-2018

Date

City Engineer

Title

Kamal L. Crues, P.E.

Printed Name

B. ATTESTATION (NYSDOT)

1. ***I HEREBY:***

   ☐ *Concur with the above certification, thereby attesting that this project is in compliance with the State Smart Growth Public Infrastructure Policy Act*

   ☐ *Concur with the above certification, with the following conditions (information requests, confirming studies, project modifications, etc.):*

   (Attach additional sheets as needed)

   ☐ do not concur with the above certification, thereby deeming this project ineligible to be a recipient of State funding or a subrecipient of Federal funding in accordance with the State Smart Growth Public Infrastructure Policy Act.

2. ***NOW THEREFORE,*** pursuant to ECL Article 6, this project is compliant with the New York State Smart Growth Public Infrastructure Policy Act, to the extent practicable, as described in the attached Smart Growth Impact Statement.

NYSDOT Commissioner, Regional Director, MO Program Director,
Regional Planning & Programming Manager (or official designee):

Signature	Date
Title	Printed Name

APPENDIX 'K'

PI Plan

To be Completed Prior to Construction Phase

T·Y·LIN INTERNATIONAL

engineers | planners | scientists

APPENDIX 'L'

Approved IPP and Project Correspondence

T·Y·LIN INTERNATIONAL

engineers | planners | scientists

TRANSPORTATION PROJECT REPORT

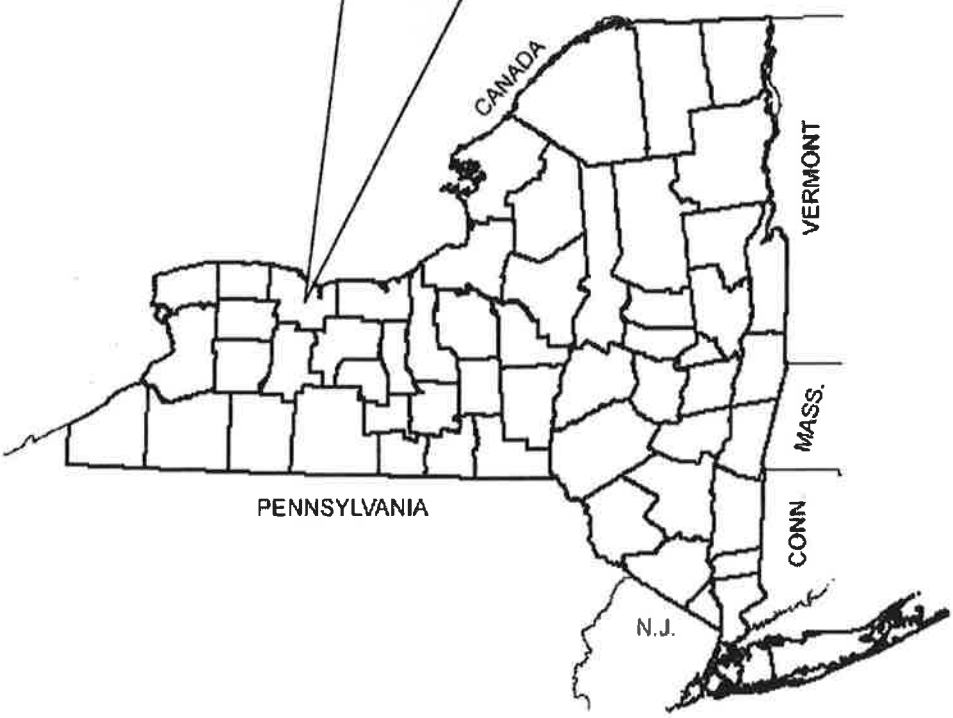
INITIAL PROJECT PROPOSAL

September 2016

P.I.N. 4CR004

Lyell Avenue Hwy PM
(Group 11)

City of Rochester



U.S. Department of Transportation Federal Highway Administration

NEW YORK STATE DEPARTMENT OF TRANSPORTATION
ANDREW M. CUOMO, Governor MATTHEW J. DRISCOLL, Commissioner

PROJECT APPROVAL SHEET

(Pursuant to SAFETEA-LU Matrix)

Milestones	Signatures	Dates
A. Recommendation for IPP Approval:	The project cost and schedule are consistent with the Regional Capital Program. James P. Willer, Regional Program Manager	9/15/16
B. IPP Approval:	The project is ready to be added to the Regional Capital Program and project scoping or preliminary design can begin. Kevin C. Bush, Regional Director	9/15/16

PIN: 4CR004

PROJECT NAME: Lyell Avenue, Group 11

MUNICIPALITY: City of Rochester **COUNTY:** Monroe

ROUTE/LIMITS: Lyell Avenue (Lake Ave – Mt. Read Blvd)

BIN(s): NA

PROJECT LENGTH: 3.6 lane miles

FEDERAL AID SYSTEM: FA, Non-NHS

FUNCTIONAL CLASS/ EXISTING AADT (YEAR)/TRUCKS- %:

Lyell Avenue (Lake Ave-Mt. Read Blvd) Minor Arterial/17,724 AADT (2013)/ 6.13%

EXISTING CHARACTERISTICS OF CONCERN:
Road surface is oxidized; ADA and pedestrian access does not meet current standards; Streets do not meet current goals for bicycle infrastructure.

	MEASURE/INDICATOR	ELEMENT
Lyell Ave	Pavement Score	6

PROJECT OBJECTIVE(S):
The project objective is to replace the oxidized wearing surface and rehabilitate the pavement's structure. Upgrade handicap accessibility; improve surface drainage and riding quality; bike lanes will be maintained where exiting and added wherever space allows. Handicap accessibility will be upgraded as ADA and pedestrian access will be investigated and improvements made in this project where practically feasible and scheduled for the future where not feasible.

PROJECT ELEMENT(S) TO BE ADDRESSED:

- ☐ Deck/Minor Bridge Rehabilitation
- ☐ Major Bridge Rehabilitation
- ☒ Highway Resurfacing
- ☐ Appurtenance
- ☐ Traffic Control
- ☐ Other:
- ☐ Bridge Replacement, Existing Location
- ☐ Bridge Replacement, New Location
- ☐ Highway Reconstruction
- ☐ Culvert Rehabilitation/Replacement
- ☐ Corrective/Preventative Bridge Maintenance

DESCRIPTION OF PROPOSED WORK:
Project includes milling 1-½" and resurfacing 1-½" of the existing pavement along with spot base repair, spot curb repair, sidewalk repair inclusive of installation of handicap ramps as well as equipping existing ramps with truncated domes, installation of bike posts, installation of bus stop landing pads as needed, improvements to existing tree pits where needed to allow healthy tress to continue to grow. Replace traffic signals as needed, adjustment of sewer and water castings along with repairing receiving basins and replacement of traffic loops and pavement markings. Installation of crosswalk handicap ramps where needed; installation of video detection at bike boulevard signalized intersections.

PRIORITY RESULTS: ☒ Mobility & Reliability ☐ Safety ☐ Security ☐ Economic Competitiveness ☐ Environmental Stewardship

FUNDING SOURCE: ☐ 100% State ☒ Federal

SEQRA AND NEPA CLASSIFICATION [OR] SEQRA CLASSIFICATION:

SEQRA Type: ☐ Exempt ☒ Type II ☐ Non-Type II ☐ Type I* ☐ Unlisted* (*Locally Administered)

NEPA Class: ☒ Class II - CE (C-List or D-List To Be Determined During Design) ☐ N/A – Project is 100% State funded

The following checklists will be completed:
☒ Federal Environmental Approval Worksheet
☒ Regional Environmental Checklist
☐ Landscape Architectural/Environmental Services IPP Report

MPO INVOLVEMENT: ☐ No ☒ Yes TIP Name: Lyell Ave, Group 11
TIP No.: H17-19-MN1

TIP AMENDMENT REQUIRED: ☒ No ☐ Yes Needed by:

STIP STATUS: ☒ On STIP ☐ Not on STIP

NOTES ON SPECIAL CIRCUMSTANCES:
Scoping, design, and construction are to be administered by the City of Rochester. The sponsor's project manager is James McIntosh, City Engineer (585) 428-6828.

SPECIAL TECHNICAL ACTIVITES REQUIRED:
A State-Local agreement will be required to allow for reimbursement of sponsor expenditures consistent with the applicable Federal Aid Program. A safety screening will be conducted during preliminary engineering.

PLANNED PUBLIC INVOLVEMENT:
A Public Involvement Plan will be developed during preliminary engineering and will be implemented throughout final design and construction.

WORKZONE SAFETY & MOBILITY:
A Transportation Management Plan (TMP) will be prepared for the project consistent with 23 CFR 630.1012. The TMP will consist of a Temporary Traffic Control (TTC) plan. Transportation Operations (TO) and Public Information (PI) components of a TMP will be considered during final design.

PROBABLE SCHEDULE AND COST:
Consultant selection is underway and will be completed by late 2016. Scoping/Preliminary Engineering will begin in March 2017. Final design will begin in December 2018. The PS&E will be produced in December 2019 for a bid opening in April 2020. The contract award and construction start will be in June 2020 and construction will be completed by December 2020. The estimated cost of engineering, construction and inspection is $3,658,385.

DESIRED LETTING: 3/2020 **DESIRED CONSTRUCTION COMPLETION:** 12/2020

SCHEDULE ISSUES:
- ☐ Public Meeting
- ☐ Permits
- ☒ Consultant(s) for: Design and CI
- ☐ 4(f)/106 FHWA sign-off
- ☐ Other - Identify
- ☐ No Consultant Needed

Project Phase	Activity Duration	Estimated Cost	Fund Source	Obligation Date
Scoping	3 months	$24,659	STP-URBAN	Mar-2017
Design I-IV	18 months	$98,633	STP-URBAN	Mar-2017
Design V-VI	12 months	$204,926	STP-URBAN	Dec-2018
Construction	12 months	$2,808,276	STP-URBAN	Dec-2019
Construction Inspection	12 months	$521,892	STP-URBAN	Dec-2019
TOTAL		**$3,658,385***		

BASIS OF ESTIMATE: Sponsor's TIP Application, *Estimated costs in year of expenditure dollars.

PROJECT MANAGEMENT GROUP: ☐ Simple ☒ Moderate ☐ Complex

STATEWIDE SIGNIFICANCE: ☐ Yes ☒ No Remarks:

PUBLIC FRIENDLY DESCRIPTION OF PROJECT:

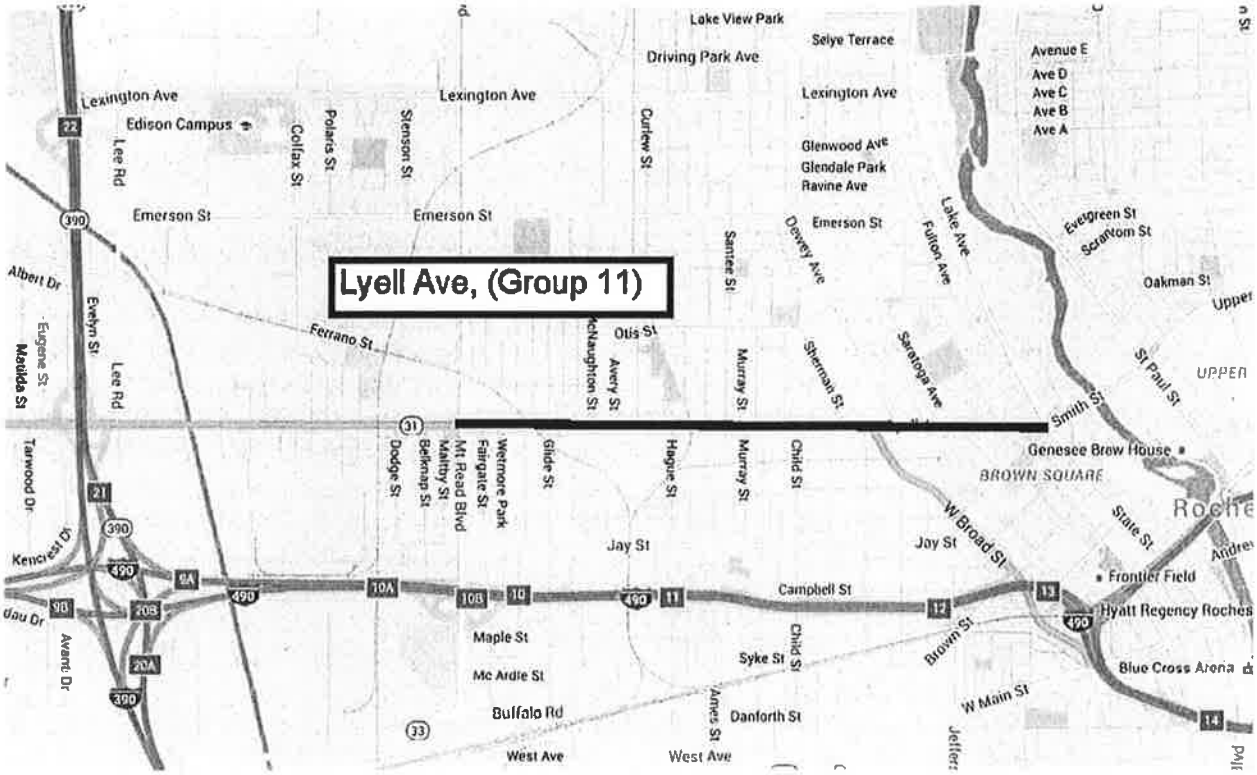
This project proposes to provide a smooth driving surface on Lyell Ave. from Lake Ave. to Mt Read Blvd. by removing the top 1.5 inches of the existing pavement and replacing it in-kind. The project will also address bicycle and pedestrian needs by repairing and improving the existing systems, by upgrading existing infrastructure to meet requirements of the Americans with Disabilities Act, and by installing a new bicycle lane between Mt Read Blvd. and Glide St.

PROJECT MANAGER/JOB MANAGER: Craig Ekstrom

FUNCTIONAL AREA(S): Local Projects Unit

PHONE(S): 585-272-3755

IPP PREPARED BY: Rick Papaj (for the City of Rochester) **DATE:** 08/25/2016


Lyell Ave, (Group 11)
Lake View Park
Selye Terrace
Driving Park Ave
Avenue E
Ave D
Ave C
Ave B
Ave A
Lexington Ave
Edison Campus
Lexington Ave
Lexington Ave
Glenwood Ave
Glendale Park
Ravine Ave
Lee Rd
Colfax St
Polaris St
Stenson St
Curlew St
Emerson St
Emerson St
Emerson St
Dewey Ave
Lake Ave
Fulton Ave
Evergreen St
Scranton St
Oakman St
Albert Dr
Santee St
Ferrano St
Otis St
McNaughton St
Avery St
Murray St
Sherman St
Saratoga Ave
St Paul St
Evelyn St
Eugene St
Matilde St
Lee Rd
Smith St
Genesee Brew House
BROWN SQUARE
Tarwood Dr
Dodge St
Belknap St
Mt Read Blvd
Maltby St
Fairgate St
Westmore Park
Glide St
Hague St
Murray St
Child St
W Broad St
State St
Kencrest Dr
Jay St
Jay St
Frontier Field
Campbell St
Hyatt Regency Roches
Avant Dr
Maple St
Brown St
Mc Ardle St
Syke St
Child St
Blue Cross Arena
Bulfalo Rd
Ames St
Danforth St
W Main St
West Ave
West Ave