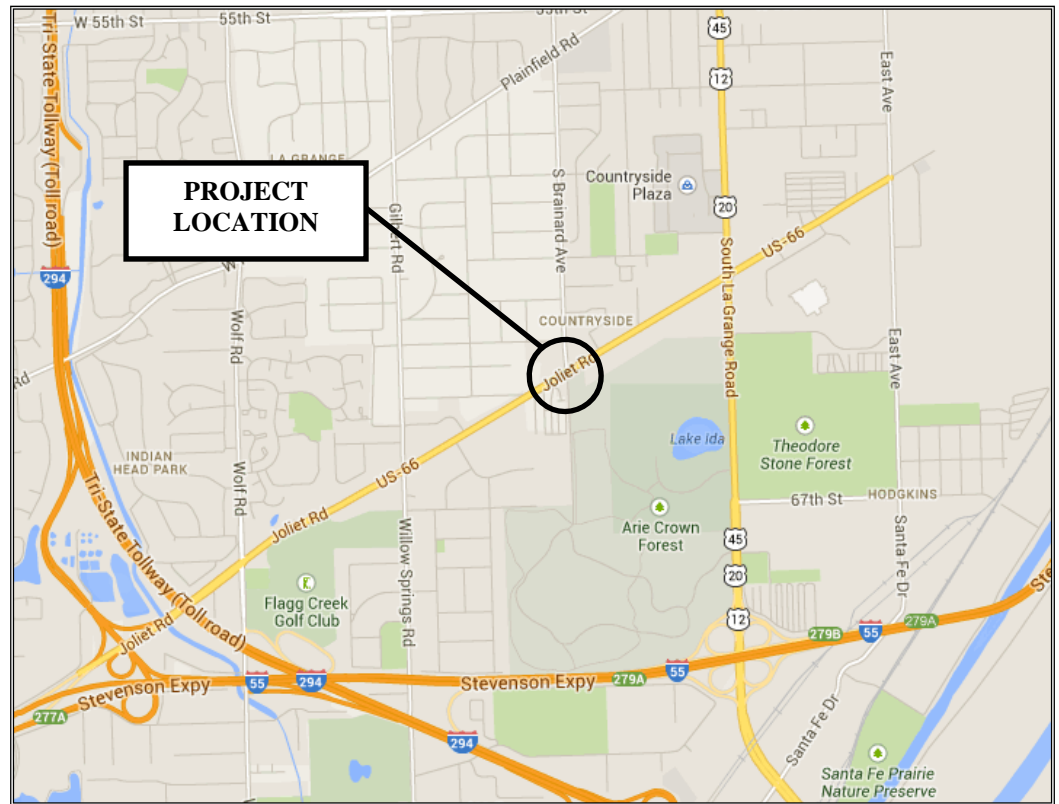




Section 4(f) De Minimis Documentation

*Arie Crown Forest Preserve
Forest Preserve District of Cook County*

**JOLIET ROAD
AT
BRAINARD AVENUE**



P-91-548-12

**City of Countryside
Cook County, Illinois**

***Illinois Department of Transportation
Division of Highways / District One / Region 1***

DRAFT – October 29 2015

Section 4(f) *De Minimis* Impact Documentation
Arie Crown Forest Preserve
Forest Preserve District of Cook County

1. Project Description:

- a. **Project Name:** Joliet Road at Brainard Avenue
- b. **Project Number (State and Federal):** P-91-548-12
- c. **Location:** City of Countryside, Cook County, Illinois
- d. **Project Type:** Intersection improvement. The scope of work includes adding southbound and westbound right turn lanes, traffic signal replacement, and drainage improvements.
- e. **Project Length:** 0.21 miles
- f. **Purpose and need of the Project:** In 1998 Joliet Road was closed between Joliet Road and 55th Street due to safety and structural integrity concerns. On May 17, 2010, the State of Illinois was awarded 40 million dollars in a settlement with Vulcan Materials as a result of the closure of Joliet Road. Later that year the Illinois Department of Transportation (Department) revisited a 2003 Traffic Impact Study of this area to determine how to mitigate traffic impacts from the closure of Joliet Road. The updated study identified and analyzed intersections and roadway segments in the study area to determine how safety and capacity could be improved. This information helped to group intersection improvements by priority based on safety issues, opportunities to improve capacity, and proximity of the improvement to the Joliet Road closure.

Joliet Road at Brainard Avenue intersection was one of the identified intersections. The purpose of the proposed action is to improve highway user safety, capacity and operations at the Joliet and Brainard Avenue intersection. The proposed southbound and westbound lanes will enhance system linkage along Joliet Road and Brainard Avenue. In existing conditions, the lack of right turn channelization is a continuous source of congestion resulting in decreased air quality.
- g. **NEPA Class of Action:** Categorical Exclusion, Group II

Section 4(f) *De Minimis* Impact Documentation
Arie Crown Forest Preserve
Forest Preserve District of Cook County

- h. **Project Status:** The Department is nearing completion of a preliminary engineering and environmental study (Phase I), which is anticipated to be completed by the end of 2015. This improvement is not currently included in the Department's FY 2016-2021 Proposed Highway Improvement Program. However, the Department remains committed to funding 40 million dollars in highway improvements in this area to mitigate the closure of Joliet Road at the Vulcan Materials quarry, including engineering, land acquisition, construction, and construction engineering. Construction and preconstruction activities will continue to be prioritized for inclusion in future multi-year highway improvement programs as projects are developed and are readied for construction.

2. Section 4(f) Resources:

- a. **Type of Resource:** Forest Preserve
- b. **Name of Resource:** Arie Crown Forest Preserve
- c. **Official with Jurisdiction:** Forest Preserve District of Cook County (FPDCC)
- d. **Description of role/significance in the community:** Arie Crown Forest Preserve located at the southeast corner of the intersection of Joliet Road and Brainard Avenue. This is an outdoor recreation activity area that includes the Arie Crown Trail, a 3.2 mile long class I bicycle trail surfaced with crushed gravel. Additionally, the preserve provides active recreational opportunities and amenities including a shelter, picnic grove, hiking, and cross-country skiing. See Attachment B-4 for a map of the Arie Crown Forest Preserve.

Section 4(f) *De Minimis* Impact Documentation
Arie Crown Forest Preserve
Forest Preserve District of Cook County

3. Description of Intended Section 4(f) Resource Use

- a. **Type and Acres of Impact:** Arie Crown Forest Preserve: 0.132 acres
 - i. Permanent Easement: 0.13 acres for traffic signal replacement, and construction of curb ramps and pedestrian landings, as shown in green on Attachment A-1. 0.12 acres are within the defined roadway right-of-way of Joliet Road and Brainard Avenue.
 - ii. Temporary Easement: 0.002 acres for grading work in the southwest corner of the intersection as shown in blue on Attachment A-1 and B-2.

- b. **Existing Function of Impacted Areas:** The impacted area includes the south leg of Brainard Avenue up to the centerline of Joliet Road. The impacted areas beyond the roadway include existing traffic signal equipment, which are located away from recreational uses and amenities, and do not contain trees or vegetation. The resulting function of the impacted areas would be the same as its current use.

4. Description of Efforts to Avoid, Minimize, and Mitigate or Enhance the Resource

- a. **Avoidance and minimization efforts made and benefits to resource:**

The preserve cannot be avoided because its boundary overlaps Joliet Road and Brainard Avenue pavement. The existing Plat of Highway indicates the FPDCC owns the south leg of Brainard Avenue up to the centerline of Joliet Road. There is no roadway widening proposed on forest preserve property or trees impacted. A permanent easement is being requested for the existing roadway area, and to replace and maintain the traffic signals. In accordance with the Proposed Guidelines for Pedestrian Facilities in the Public Right-of-Way (PROWAG) and ADA, new curb ramps and pedestrian landings are proposed at each quadrant of the intersection. Additional pedestrian or bicyclist accommodations are not proposed to minimize easements and avoid tree removal within the Arie Crown preserve. The FPDCC could extend the Arie Crown Trail approximately 30 feet to the pedestrian landing on the southeast corner to complete the connection.

Section 4(f) *De Minimis* Impact Documentation
Arie Crown Forest Preserve
Forest Preserve District of Cook County

To minimize the permanent easement, the use of alternative demand traffic signal actuation, such as video detection was considered for the south leg of Brainard Avenue. While this would minimize the permanent easement, the intersection benefits more with the use of detector loops. A permanent easement is the most beneficial, as it allows access for maintenance purposes, and is still required for other traffic signal equipment.

As requested in the August 1, 2014 meeting with the FPDCC, the Department will not pursue adding left turn lanes along the north and south legs of Brainard Avenue since this would increase impacts to the preserve.

The FPDCC will be compensated for the proposed land acquisition.

The project does not impact any areas that utilized conservation funding, such as OSLAD or LAWCON.

- b. Commitments for mitigation or enhancement:** Pedestrian signals, crosswalks, curb ramps, and sidewalk landings are proposed at the intersection which will improve community access to the Arie Crown Forest Preserve and Arie Crown Trail.

Cost participation and maintenance is required from a local agency for the proposed pedestrian landings and traffic signal replacement. However, since this project is a result of the improvement outlined in the Joliet Road Feasibility Study, local cost share for traffic signals will be covered through previous funding commitments made by the Department. The pedestrian landings will be covered by the Department.

The Department will contact the FPDCC prior to the start of construction to inform them of the initiation of construction activities near their properties.

Section 4(f) *De Minimis* Impact Documentation
Arie Crown Forest Preserve
Forest Preserve District of Cook County

5. Evidence of Opportunity for Public Review and Comment:

- a. Type of Public Availability:** A newspaper ad will be posted in the Suburban Life Newspaper on XX, 2015 and on XX, XX, 2015 to allow the public 30 days to review and comment on the Section 4(f) impacts (See Attachment E). The Section 4(f) documentation will be available for viewing during the 30-day period at the Department (201 West Center Court, Schaumburg, IL, at FPDCC (536 North Harlem Avenue River Forest, IL 60305) and on the Department's website at <http://www.idot.illinois.gov/transportation-system/environment/index>. Comments could be made by e-mail through the Department website by clicking on the link above.
- b. Summary of Comments:** Pending.

Section 4(f) *De Minimis* Impact Documentation
Arie Crown Forest Preserve
Forest Preserve District of Cook County

6. Evidence of Coordination with Official(s) with Jurisdiction

- a. August 1, 2014.....FPDCC Coordination Meeting
- b. December 11, 2014.....FPDCC Coordination Meeting
- c. June X, 2015 Transmittal of Draft Section 4(f)
- d. July X, 2015 FPDCC Coordination Meeting
- e. TBD..... Transmittal of Section 4(f) with Public Comments
- f. TBD..... Concurrence of No Adverse Impact
- g. TBD.....Transmittal of Final Section 4(f)

The above items are included in Attachment C, Coordination

7. Supporting Documentation

- a. Section 4f Impact Exhibit.....Attachment A-1
- b. Regional Location Map.....Attachment B-1
- c. Cook County Forest Preserve Facility Map.....Attachment B-2
- d. Arie Crown Forest Preserve Map.....Attachment B-3
- e. Arie Crown Forest Preserve Trail Map.....Attachment B-4
- f. Plat of Highways.....Attachment B-5
- g. Coordination.....Attachment C-1
- h. Proposed Typical Section.....Attachment D-1
- i. Proposed Plan and Profile Sheets.....Attachment D-2
- j. Public Review and Comment Attachment E

Section 4(f) *De minimis* Impact Documentation
Arie Crown Forest Preserve
Forest Preserve District of Cook County

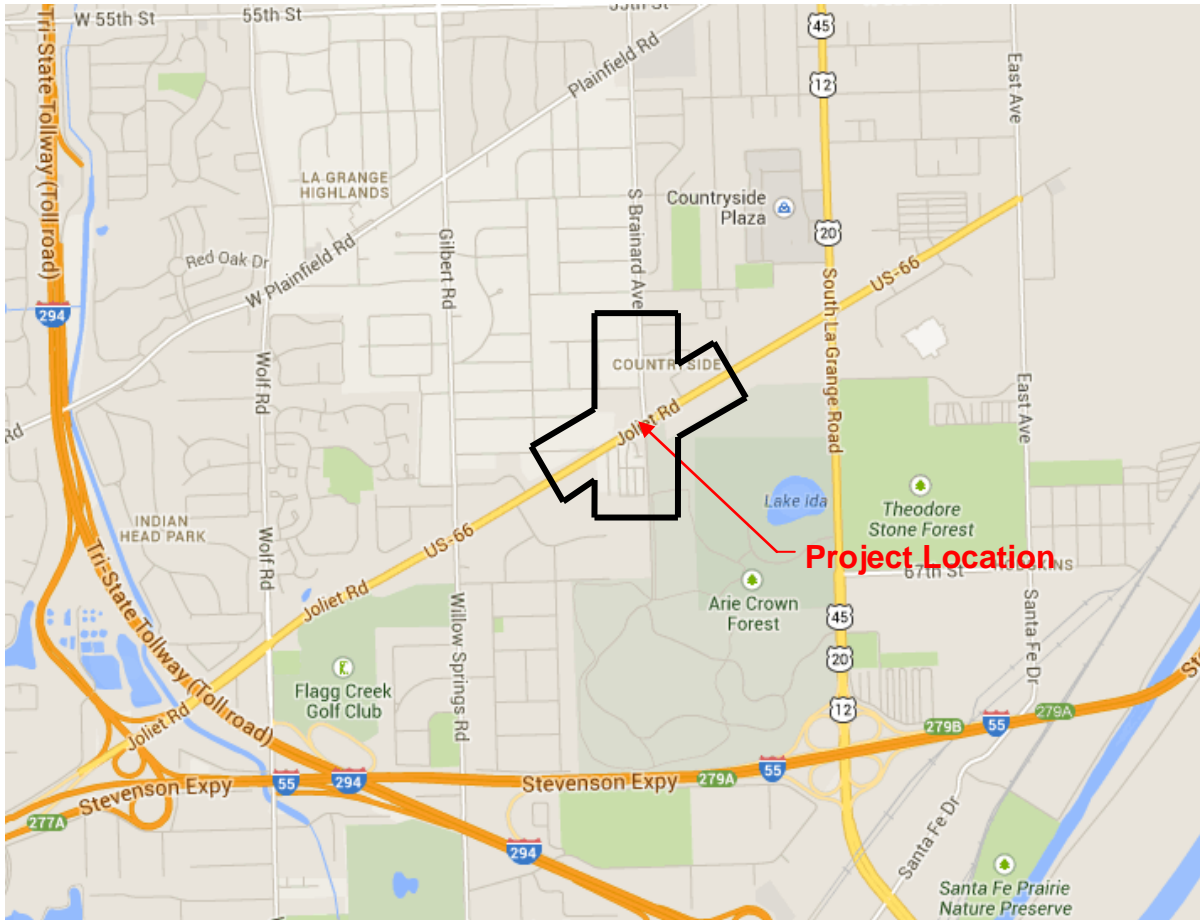
Attachment A

Section 4(f) Impact Exhibits

Section 4(f) *De minimis* Impact Documentation
Arie Crown Forest Preserve
Forest Preserve District of Cook County

Attachment B

Exhibits



Project Location Map

Route: Joliet Road at Brainard Avenue

Project #: P-91-548-12

County: Cook

Municipality: City of Countryside

Township: Lyons

FOREST PRESERVES of Cook County

Map Key

- Zone Boundary
- Highway
- Regional Trail
- Non FPCC Park/Preserve
- Unpaved Trail
- Paved Trail
- Forest Preserve
- Planned or current trail construction
- Lake or Pond
- Activity Area
- Metra Station
- Commuter Railroad

Central Zone

1 Andrew Toman Grove	23 National Grove-North
2 Ariel Crown Forest	24 National Grove-South
3 Bemis Woods-North	25 Ottawa Trail Woods-North
4 Bemis Woods-South	26 Ottawa Trail Woods-South
5 Brezina Woods	27 Plank Road Meadow Boat Launch**
6 Brookfield Woods	28 Possum Hollow Woods
7 Broadleaf Zoo	29 Quercus Woods Family Picnic Area
8 Callahan Grove	30 Salt Creek Woods Nature Preserve
9 Cermak Family Aquatic Center	31 Schuth's Grove
10 Cermak Quarry	32 Silver Creek Family Picnic Area
11 Cermak Woods Natl Historic	33 Stony Ford Canoe Landing
12 Cummings Square	34 Sundown Meadow
13 G.A.R. Woods	35 Thatcher Woods
14 Hal Tynell Trailside Museum	36 Thatcher Woods Glen
15 Ida Lake	37 Theodore Stone Forest
16 Idaridge Park Woods	38 Thomas Jefferson Woods
17 Idaridge Park Woods	39 Twenty-Sixth St Woods-East
18 Idaridge Park Woods	40 Twenty-Sixth St Woods-West
19 McCormick Woods	41 Westchester Woods
20 Meadow Glen Golf Course	42 White Eagle Woods-North
21 Miller Meadow-North***	43 White Eagle Woods-South
22 Miller Meadow-South***	44 Wolf Road Prairie Nature Preserve
	45 Zoo Woods

North Zone

46 Algonquin Woods	92 Irene C. Hernandez Family Picnic Area
47 Allison Woods	93 Iroquois Woods
48 Axtell Lake	94 Irving Park Road Canoe Landing
49 Belle Lake	95 Lake Walter Dill Scott
50 Belleau Lake	96 Jerome Huppert Woods
51 Big Bend Lake & Boat House	97 John E. Traeger Picnic Area
52 Billy Caldwell Golf Course	98 Koenigsman Family Picnic Area
53 Blandings Grove	99 LaBagh Woods***
54 Blue Star Memorial Woods	100 Lake Avenue Woods-East
55 Caldwell Woods	101 Lake Avenue Woods-West
56 Calvin R. Suter Golf Course	102 Lime Woods
57 Camp Baden Powell	103 Lions Woods
58 Camp Dan Beard	104 Little House of Glencoe
59 Camp Ground Road Woods	105 Mary Mc McConnel Woods
60 Camp Pine Woods	106 Massasauga Family Picnic Area
61 Catherine Chevallier Woods	107 Mathew Biezacz Volunteer Family Picnic Area
62 Chick Evans Golf Course	108 Miami Woods
63 Chipmunk Woods	109 Northwestern Woods
64 Chicago Botanic Garden	110 Parklands Woods
65 Chick Evans Golf Course	111 Potawatomi Lake
66 Chipmunk Woods	112 Potawatomi Woods
67 Chicago Botanic Garden	113 River Bend
68 Chick Evans Golf Course	114 River Trail Nature Center
69 Chipmunk Woods	115 Robinson Homestead Family Picnic Area
70 Chipmunk Woods	116 Robinson Woods-South
71 Dam No. 1 Woods-East	117 Schiller
72 Dam No. 1 Woods-West	118 Schiller Playfield
73 Dam No. 2 Woods	119 Schiller Pond
74 Dam No. 4 Woods-East	120 Schiller Woods-East
75 Edgemoor Golf Course	121 Schiller Woods-South
76 Edgemoor Woods	122 Schiller Woods-West
77 Erickson Woods	123 Sidney Yates Flatwoods
78 Evans Field	124 Skokie Lagoon
79 Forest Glen Woods	125 Somme Prairie
80 Forest Way Grove	126 Somme Woods
81 Fullerton Woods	127 Somme Woods
82 Fullerton Woods	128 St. Paul Woods***
83 Glen Grove Equestrian Center	129 Sunset Bridge Meadow
84 Glen Grove Golf Club	130 Thaddeus "Ted" Lechowicz
85 Glenview Woods	131 Tower Road
86 Hams Woods-Central	132 Tower Road
87 Hams Woods-North	133 Tower Road
88 Hams Woods-South	134 Watersmeet Woods
89 Harry H. Semrow	135 Wayside Woods
90 Indian Boundary Family Picnic Area	136 Wheelan Pool Aquatic Center
91 Indian Boundary Golf Course	

Northwest Zone

137 Baker's Lake Nature Preserve	159 Carl R. Hansen Woods
138 Baker's Lake Overlook	160 Deer Nature Center
139 Baker's Lake Youngsband Prairie	161 Deer Grove
140 Barrington Road Pond	162 Deer Grove-East***
141 Beverly Lake	163 Deer Grove-West
142 Bluff Spring Fen Nature Preserve	164 Deer Grove Lake
143 Bode East	165 Grassy Ridge Meadow
144 Bode Lake	166 Great Egret Family Picnic Area
145 Busse-North Pool	167 Highland Wood Driving Range
146 Busse-South Pool	168 Highland Woods Golf Course
147 Busse Forest-Central	169 Nest Brown Meadow
148 Busse Forest-North	170 Old Stover Trailhead
149 Busse Forest-South***	171 Penny Road Pond
150 Busse Forest-West	172 Poplar Creek Bicycle Lot
151 Busse Forest Elk Pasture	173 Poplar Creek Equestrian Parking
152 Busse Forest Main Dam	174 Poplar Creek
153 Busse Forest	175 Rolling Knolls
154 Busse Forest	176 Model Airplane Flying Field
155 Busse Lake	177 Shoe Factory Road Prairie
156 Busse Lake	178 Nature Preserve
157 Busse Lake	179 Spring Creek Valley Headwaters
158 Busse Lake	180 Spring Lake Equestrian Parking
159 Busse Lake	181 Spring Lake Nature Preserve
160 Busse Lake	182 Woodland Meadow

THE FOREST PRESERVES OF COOK COUNTY ARE 100!
Established in 1914, the Forest Preserves of Cook County is the oldest and one of the largest urban forest preserve systems in the nation. With over 69,000 acres of public open land—11 percent of the county—we preserve prairies, woods and wetlands in the heart of the Chicago region and provide a place for Cook County residents and visitors to explore, learn, play, exercise and restore their spirit.

Share the Trail
fpdcc.com/stt

General Headquarters
536 N. Harlem Ave.
River Forest, IL 60305

Phone 800.870.3666
Police 708.771.1000
Volunteer Hotline 773.631.1790

In case of emergency, call 911

STAY CONNECTED
Even when you can't be in the preserves, you can stay connected through our web page, blog, e-newsletter and social media. Find out about programs and events—even go behind the scenes!

fpdcc.com fpdcc.com/blog

BEFORE YOU GO
Visit our trail closures page for all the latest information about trail and preserve closures, prescribed burns and other work.
fpdcc.com/preserves-and-trails/trail-closures

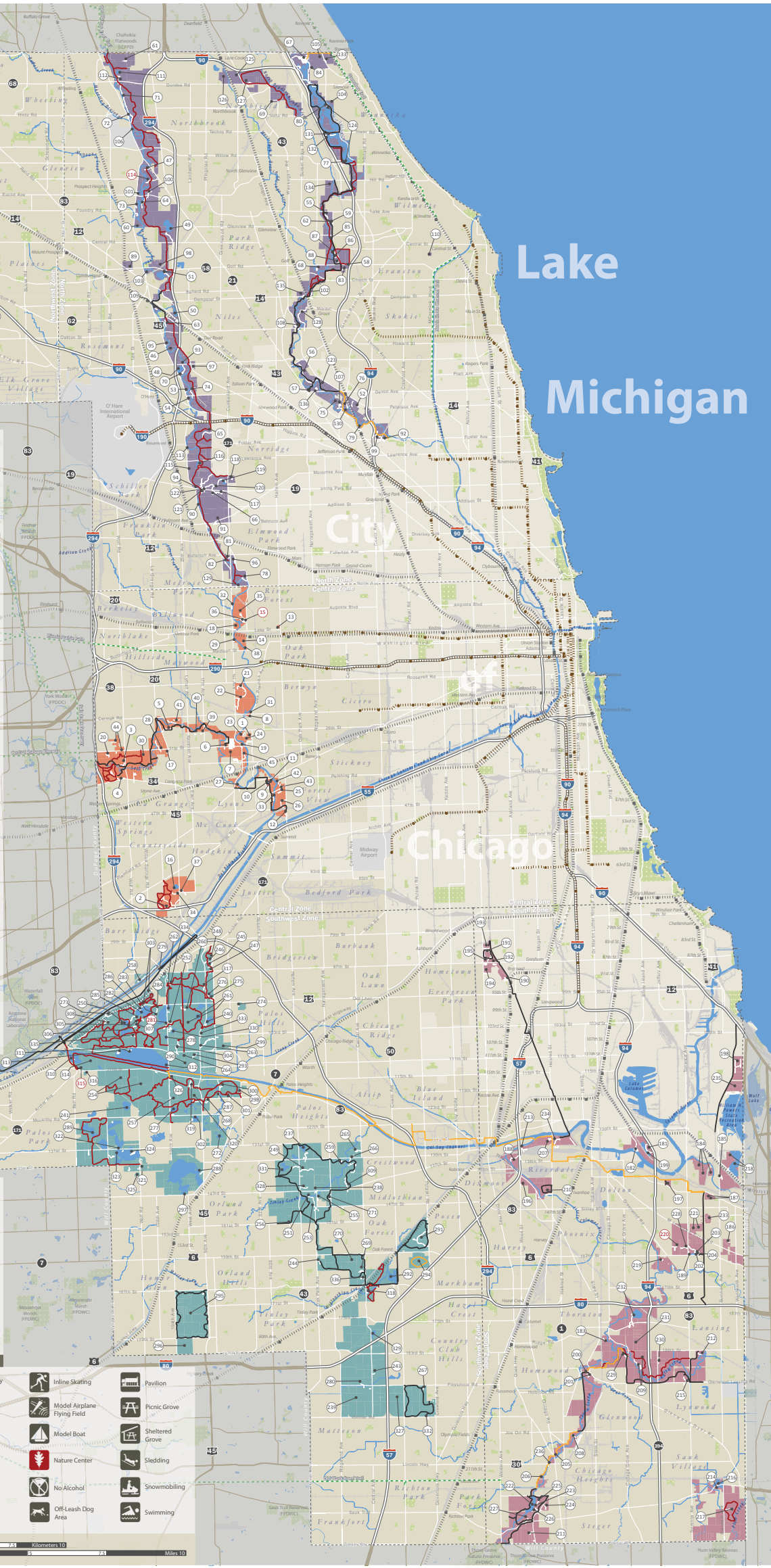
Icon Key

Birding	Cross-Country Skiing	Inline Skating	Pavilion
Boat Ramp	Ecological Management Area	Model Airplane Flying Field	Picnic Grove
Camp	Equestrian	Model Boat	Sheltered Grove
Canoeing	Fishing	Nature Center	Sliding
Cycling	Golf	No Alcohol	Snowmobiling
	Hiking	Off-Leash Dog Area	Swimming

* Boat rentals available
** Gas powered boat launch at this site
*** Large capacity grove

PLEASE RECYCLE. Pass this map to someone who looks lost. Thank you.

Scale: 0 1 2 3 4 Miles / 0 1 2 3 4 Kilometers

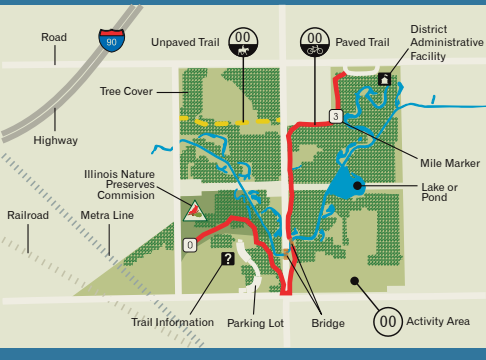


EXPLANATION OF SYMBOLS

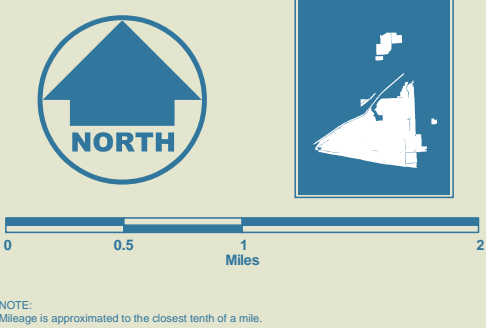
ICONS & NOTATIONS

Note: while not all activities are available in each region, they may be available in a region nearby. Please refer to the Forest Preserve District-wide map for locations of all activities.

- | | | | |
|--|----------------------------|--|--------------------------------------|
| | Picnic Grove | | Canoe Landing |
| | Shelter | | Snowmobiling |
| | Ecological Management Site | | Model Boat Area |
| | Hiking | | Model Airplane Flying Field |
| | Birding Hotspot | | Camping-Youth Group Only |
| | Equestrian Trailer Parking | | Dog Friendly Area |
| | Sledding | | Golfing |
| | Boat Ramp | | Cycling |
| | Fishing | | In-line Skating |
| | Nature Center | | Cross-Country Skiing |
| | Swimming Pool | | No Parking |
| | No Alcohol | | Boat rentals available at this site |
| | | | Gas-powered boat launch at this site |
| | | | Large capacity grove |



Region 6: Overview

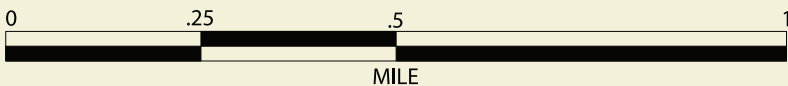


REGION 6

- Activity Areas**
- Arie Crown Forest
 - Belly Deep Slough
 - Buffalo Woods-Central
 - Buffalo Woods Family Picnic Area
 - Buffalo Woods-North
 - Buffalo Woods-South
 - Bullfrog Lake
 - Camp Kiwanis Equestrian Staging Area
 - Columbia Woods
 - Country Lane Woods
 - Cranberry Slough
 - Crawdad Slough
 - Crooked Creek Woods
 - Dan McMahon Woods
 - Henry De Tony Woods
 - Hickory Hills Woods
 - Hidden Pond Woods-East
 - Hidden Pond Woods-West
 - Joe's Pond
 - John Husar I&M Canal -Bicycle Trail Parking Lot
 - Lake Ida
 - Little Red Schoolhouse Nature Center
 - Maple Lake Boating Center*
 - Maple Lake-East
 - Maple Lake
 - Maple Lake Overlook
 - Morrill Meadow
 - Palos Fen
 - Paw Paw Woods
 - Pioneer Woods
 - Pulaski Woods
 - Pulaski Woods-East
 - Pulaski Woods-South
 - Red Gate Woods -Mountain Bike Staging Area
 - Red Gate Woods
 - Saganashkee Slough-Central
 - Saganashkee Slough-East
 - Saganashkee Slough Boat Launch
 - Spears Woods
 - Sundown Meadow
 - Theodore Stone Forest
 - Tuma Lake
 - White Oak Woods
 - Willow Springs Woods
 - Wolf Road Woods
- Trail Systems**
- Arie Crown (Unpaved)
 - Centennial (Unpaved)
 - John Husar I&M Canal (Paved)
 - Palos (Unpaved)



Arie Crown Trail System



JULY 2004

KEY			
	Water		Information
	Restrooms		Shelter
	Underpass		Trail Intersection Marker
	Mile Marker		Paved Trails (Solid Lines)
	Unpaved Trails (Dashed Lines)		Yellow Trail Loop 2.3 Miles
	Black Trail 6 Miles		

NOTE:
Mileage is approximated to the closest tenth of a mile.
All colored lines represent trails.

ATTACHMENT B-4

PART OF THE E. HALF OF SECTION 20 AND THE W. HALF OF SECTION 21, TWP. 38 N., R. 12 E. OF THE 3RD. P.M., IN COOK COUNTY, ILLINOIS.

LEGEND

- SECTION / QUARTER SECTION LINE
- PLATTED LOT LINES
- PROPERTY (DEED) LINE
- APPARENT PROPERTY LINE
- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- EXISTING EASEMENT
- PROPOSED EASEMENT
- EXISTING ACCESS CONTROL LINE
- PROPOSED ACCESS CONTROL LINE
- MEASURED DIMENSION
- COMPUTED DIMENSION
- RECORDED DIMENSION
- EXISTING BUILDING
- IRON PIPE OR ROD FOUND
- CUT CROSS FOUND OR SET
- "MAG" NAIL SET
- 5/8" REBAR SET
- STAKING OF PROPOSED RIGHT OF WAY.
- SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS PROFESSIONAL NUMBER.
- BURIED 5/8 INCH REBAR 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION, IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS PROFESSIONAL NUMBER.
- PERMANENT SURVEY MARKER, IDOT STD. 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET.

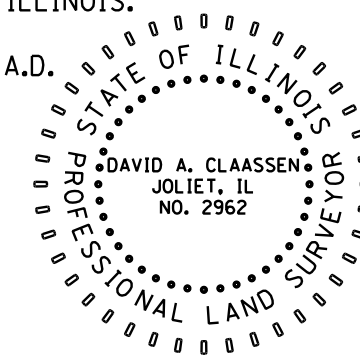
NOTES:
ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
COORDINATES, BEARINGS & DISTANCES SHOWN HEREON REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID"

AREAS WITHOUT FORMAL DEDICATION. PROPERTY LINES ARE TO THE CENTERLINE OF ROAD AND ROW LINES ARE SHOWN AS REFERENCED.

STATE OF ILLINOIS)
COUNTY OF WILL)

THIS IS TO CERTIFY THAT WE, CLAASSEN, WHITE & ASSOCIATES, P.C., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION NUMBER 184-004039, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 20 AND 21, TOWNSHIP 38 NORTH, RANGE 12 EAST OF THE THIRD PRINCIPAL MERIDIAN, DUPAGE COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. THIS SURVEY CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT JOLIET, ILLINOIS THIS 13TH DAY OF JUNE, 2014 A.D.
DAVID A. CLAASSEN, VICE PRESIDENT
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-002962
LICENSE EXPIRES NOVEMBER 30, 2014
THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.



ATTACHMENT B-5
(Sheet 1 of 2)

CWA SURVEY
CLAASSEN, WHITE & ASSOCIATES, P.C.
LAND SURVEYORS
121 AIRPORT DRIVE, UNIT 1, JOLIET, ILLINOIS 60431
(815) 744-3720 clausenwhit@cwasurevey.com
CWA Job #6119

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
PLAT OF EXISTING RIGHT OF WAY

LIMITS: JOLIET RD @ BRAINARD AVE. COUNTY: COOK
SECTION: TO STA. JOB NO.: R-91-426-12
SCALE: 1" = 100' SHEET 1 OF 2 SHEETS

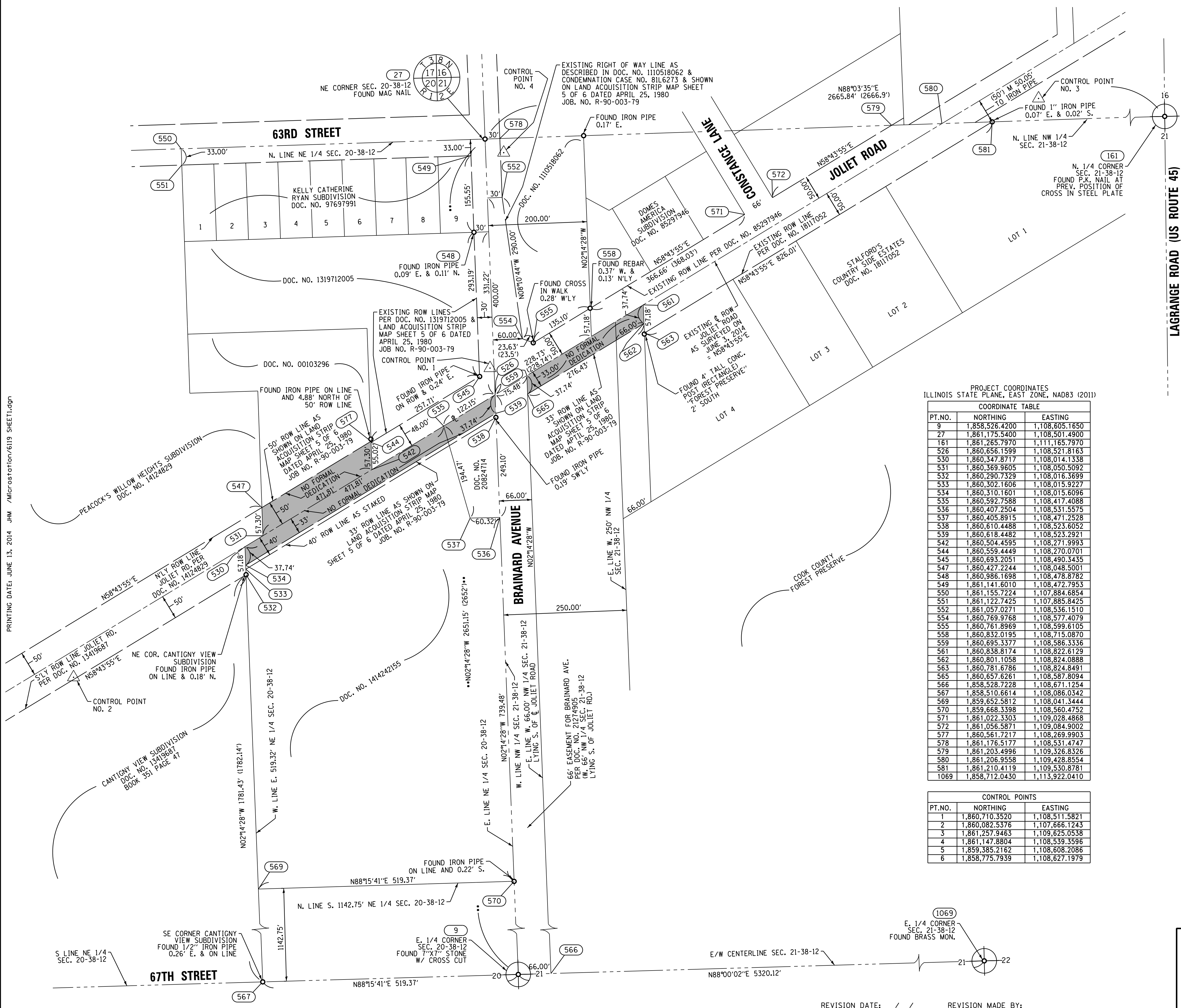
BUREAU OF PROGRAMMING
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

PROJECT COORDINATES
ILLINOIS STATE PLANE, EAST ZONE, NAD83 (2011)

PT.NO.	NORTHING	EASTING
9	1,858,526.4200	1,108,605.1650
27	1,861,175.5400	1,108,501.4900
161	1,861,265.7970	1,111,165.7970
526	1,860,656.1599	1,108,521.8163
530	1,860,347.8717	1,108,014.1338
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569	1,859,652.5812	1,108,041.3444
570	1,859,668.3398	1,108,560.4752
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572	1,861,056.5871	1,109,084.9002
577	1,860,561.7217	1,108,269.9903
578	1,861,176.5177	1,108,531.4747
579	1,861,203.4996	1,109,326.8326
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1069	1,858,712.0430	1,113,922.0410

PT.NO.	NORTHING	EASTING
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4	1,861,147.8804	1,108,539.3596
5	1,859,385.2162	1,108,608.2086
6	1,858,775.7939	1,108,627.1979

PRINTING DATE: JUNE 13, 2014 JHM /Microstation/6119 SHEET1.dgn



REVISION DATE: / / REVISION MADE BY:

PART OF THE E. HALF OF SECTION 20 AND THE W. HALF OF SECTION 21, TWP. 38 N., R. 12 E. OF THE 3RD. P.M., IN COOK COUNTY, ILLINOIS.

LEGEND

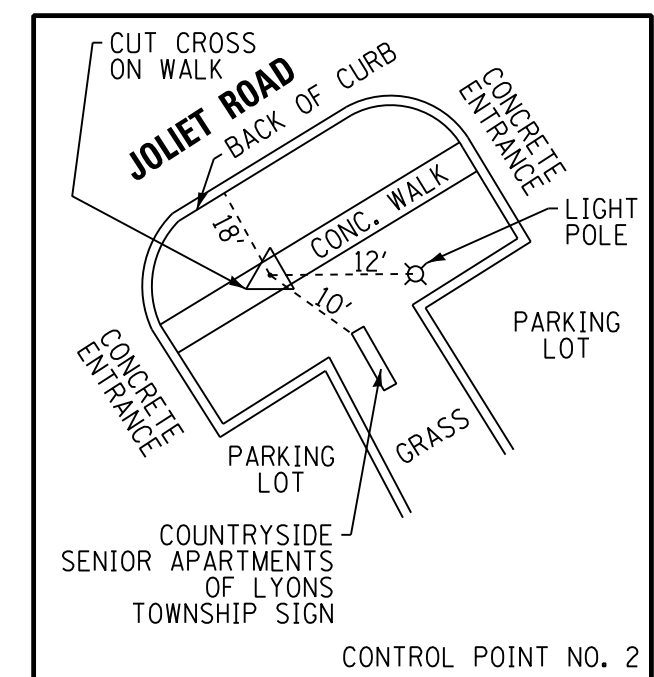
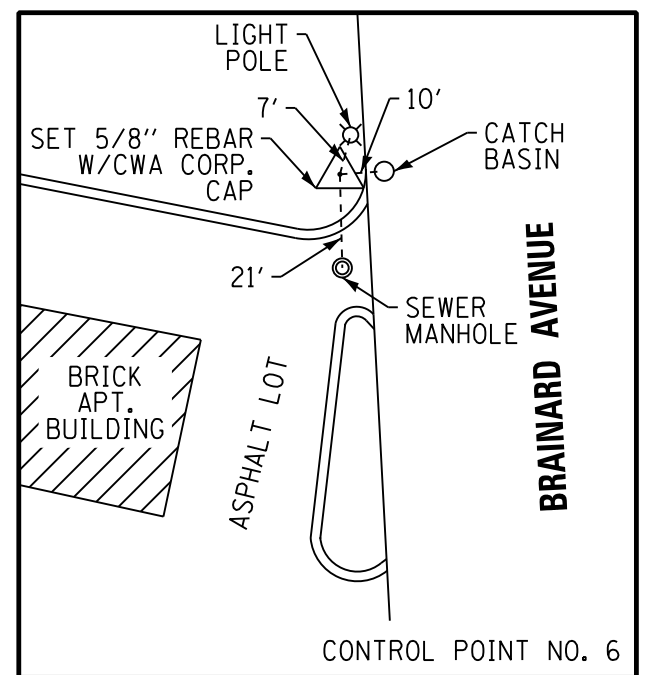
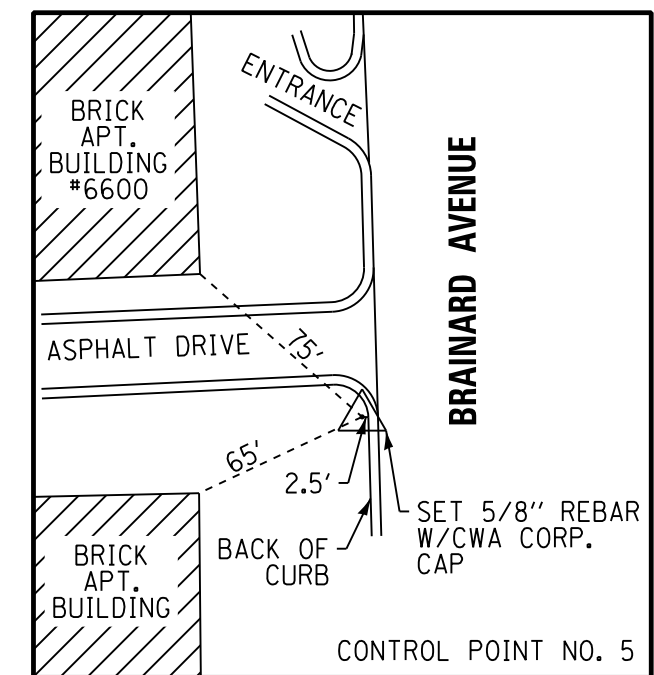
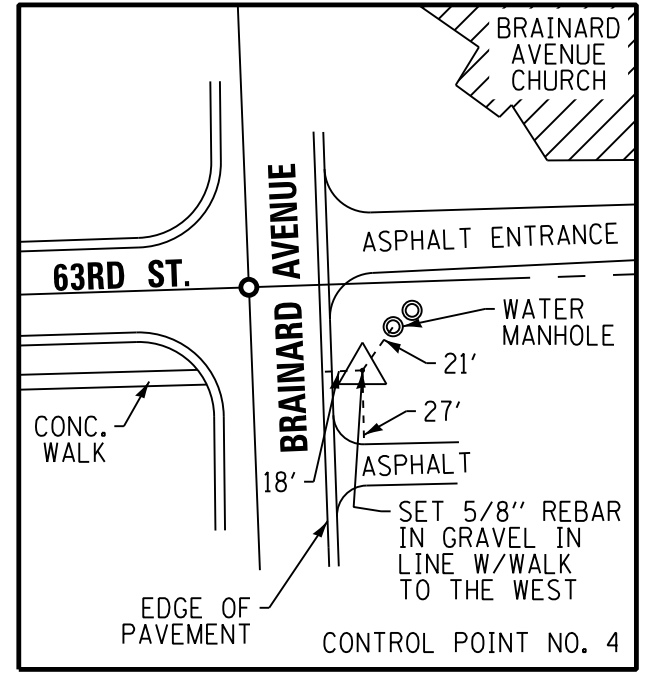
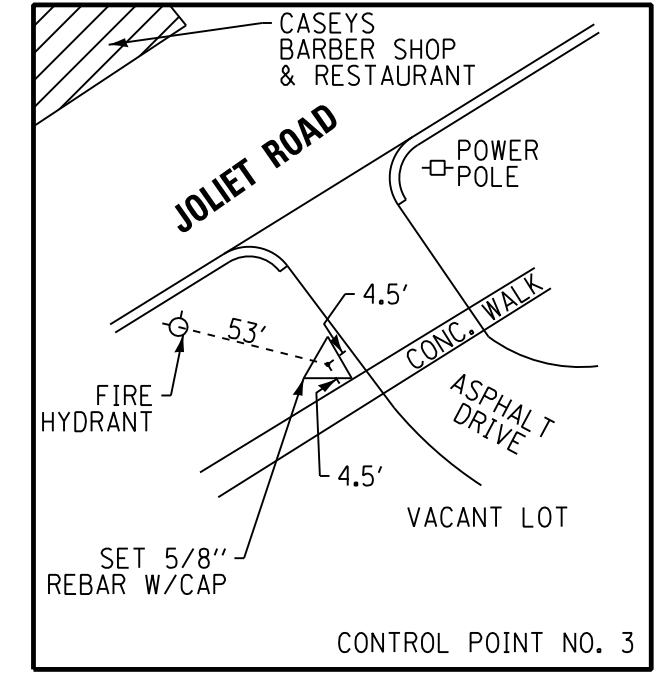
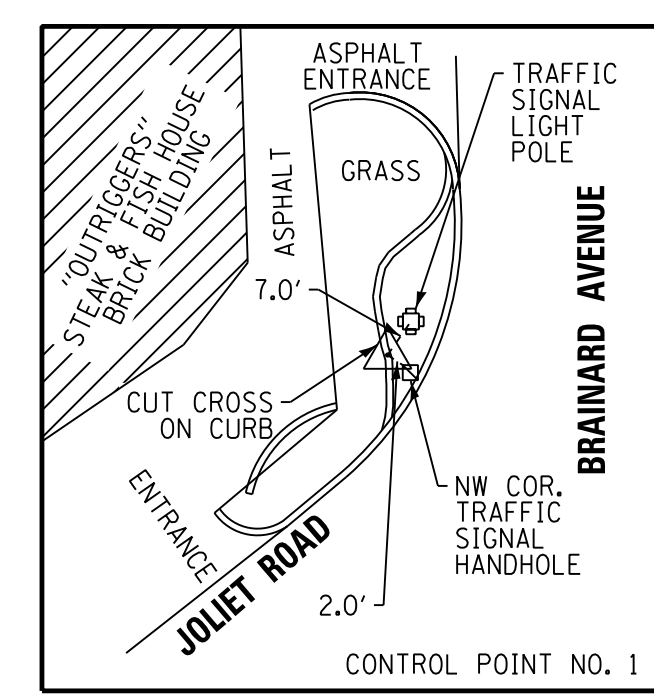
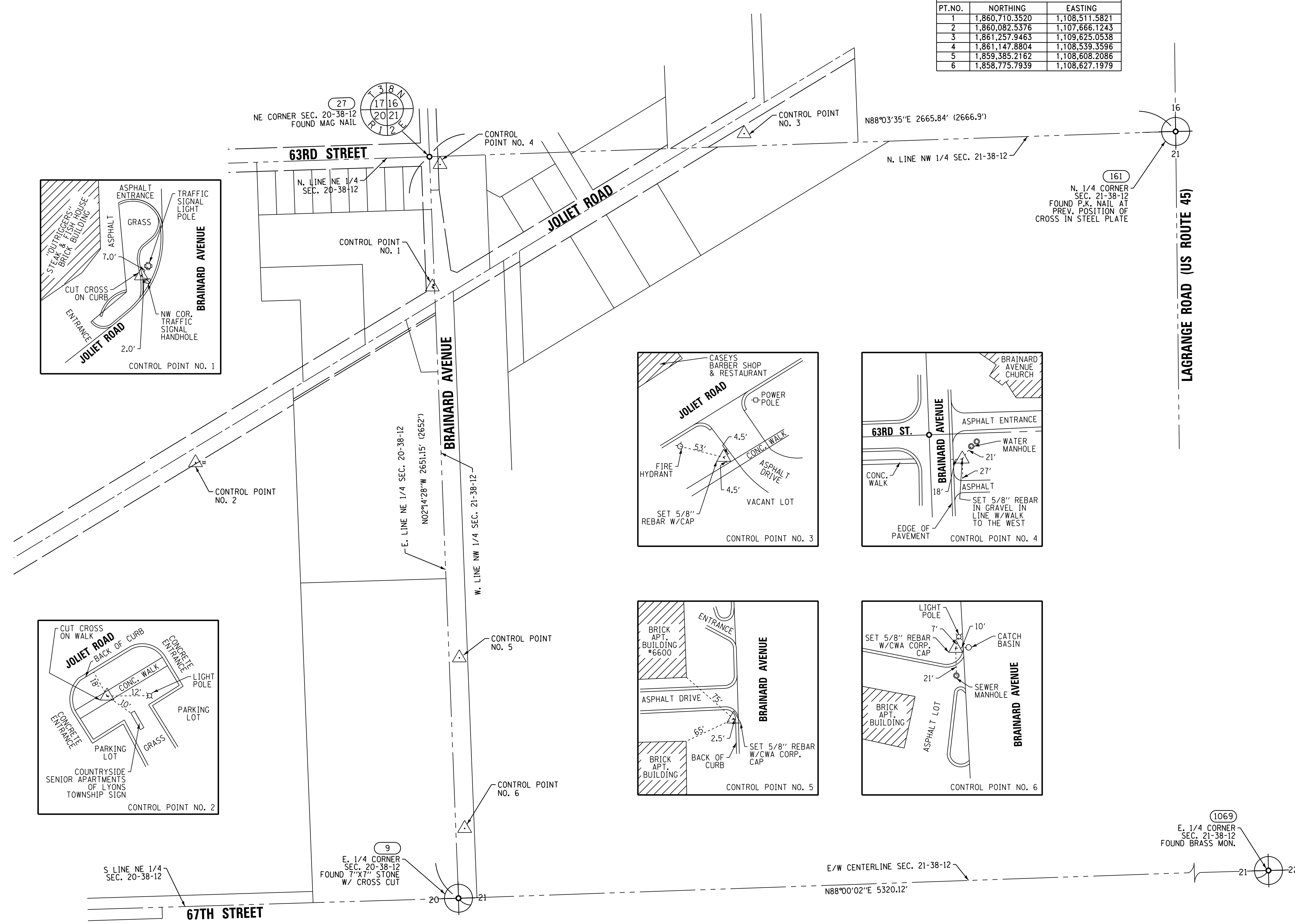
SECTION / QUARTER SECTION LINE
 PLATTED LOT LINES
 PROPERTY (DEED) LINE
 APPARENT PROPERTY LINE
 EXISTING CENTERLINE
 PROPOSED CENTERLINE
 EXISTING RIGHT OF WAY LINE
 PROPOSED RIGHT OF WAY LINE
 EXISTING EASEMENT
 PROPOSED EASEMENT
 EXISTING ACCESS CONTROL LINE
 PROPOSED ACCESS CONTROL LINE
 MEASURED DIMENSION
 COMPUTED DIMENSION
 RECORDED DIMENSION
 EXISTING BUILDING

IRON PIPE OR ROD FOUND
 CUT CROSS FOUND OR SET
 STAKING OF PROPOSED RIGHT OF WAY.
 SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS PROFESSIONAL NUMBER.
 STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS.
 BURIED 5/8 INCH REBAR 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION, IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS PROFESSIONAL NUMBER.
 PERMANENT SURVEY MARKER, IDOT STD. 2135 (TO BE SET BY OTHERS)
 RIGHT OF WAY STAKING PROPOSED TO BE SET.

NOTES:
 ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
 COORDINATES, BEARINGS & DISTANCES SHOWN HEREON REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID"

PROJECT COORDINATES
 ILLINOIS STATE PLANE, EAST ZONE, NAD83 (2011)

PT.NO.	NORTHING	EASTING
1	1,860,710.3520	1,108,511.5821
2	1,860,082.5376	1,107,666.1243
3	1,861,257.9463	1,109,625.0538
4	1,861,147.8804	1,108,539.3596
5	1,859,385.2162	1,108,608.2086
6	1,858,775.7939	1,108,627.1979



STATE OF ILLINOIS)
) SS
 COUNTY OF WILL)

THIS IS TO CERTIFY THAT WE, CLAASSEN, WHITE & ASSOCIATES, P.C., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION NUMBER 184-004039, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 20 AND 21, TOWNSHIP 38 NORTH, RANGE 12 EAST OF THE THIRD PRINCIPAL MERIDIAN, DUPAGE COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. THIS SURVEY CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT JOLIET, ILLINOIS THIS 13TH DAY OF JUNE, 2014 A.D.

DAVID A. CLAASSEN VICE PRESIDENT
 ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-002962
 LICENSE EXPIRES NOVEMBER 30, 2014
 THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

ATTACHMENT B-5
 (Sheet 2 of 2)

CWA SURVEY
 CLAASSEN, WHITE & ASSOCIATES, P.C.
 LAND SURVEYORS
 121 AIRPORT DRIVE, UNIT 1, JOLIET, ILLINOIS 60431
 (815) 744-3720 clausenwhite@cwasurevey.com
 CWA Job #6119

PLAT OF HIGHWAYS
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 PLAT OF EXISTING RIGHT OF WAY

LIMITS: JOLIET RD @ BRAINARD AVE. COUNTY: COOK
 SECTION: JOB NO.: R-91-426-12
 STA. TO STA.
 SCALE: 1" = 200' SHEET 2 OF 2 SHEETS

BUREAU OF PROGRAMMING
 201 WEST CENTER COURT
 SCHAUMBURG, ILLINOIS 60196

IDOT USE ONLY

REVISION DATE: / / REVISION MADE BY:

PRINTING DATE: JUNE 13, 2014 JWH /Microstation/619 SHEET2.dgn

Section 4(f) *De minimis* Impact Documentation
Arie Crown Forest Preserve
Forest Preserve District of Cook County

Attachment C

Coordination

IDOT/FPDCC COORDINATION MEETING
IDOT Office – 201 W. Center Ct, Schaumburg
4th Floor Executive Conference Room

December 11, 2014

General Discussion:

The purpose of this meeting was to coordinate various Illinois Department of Transportation (IDOT) projects which are currently in Phase I, Preliminary Engineering and Environmental Studies, and to discuss various locations selected by the Forest Preserve District of Cook County (FPDCC) where IDOT action is needed.

FPDCC Items:

95th Street at Maple Lake –The FPDCC had previously contacted IDOT in an email on September 8, 2014 regarding an erosion issue on the north side of 95th Street, across from Maple Lake. A civil engineer consultant working for the FPDCC noted erosion caused by roadway runoff that could compromise the roadway. Mr. Bill Almasri with IDOT's Alsip Maintenance Yard met with Eric Otto (FPDCC) to discuss the erosion issue. There's approximately a 20 foot drop from the street to the ravine. The erosion is taking place along the FPDCC property due to the runoff that goes over the street. The topography flows from higher ground north of 95th Street southward towards Maple Lake. The shoulder was secured to prevent any damage using asphalt but a larger improvement to address the erosion issues would be required which are beyond the maintenance staff's capabilities. IDOT's Hydraulic Section staff did a site inspection and noted that in order to address the erosion, significant tree clearing and grading would be required. The FPDCC noted that this concern was brought by recommendations from the Army Corps of Engineers (ACOE) and that they will evaluate the recommendations internally and inform IDOT how they would be interested in proceeding. At this time IDOT does not have any improvements planned along 95th Street, but if the FPDCC was open to the easements and tree impacts; a Drainage Investigation (DI) could be a way to identify potential solutions that could be further evaluated in a Phase I, Preliminary Engineering and Environmental, Study. The focus of the DI would be to stabilize two gullies (i.e. rip rap), promote vegetation and provide erosion control. IDOT will wait for the FPDCC's response.

Information on new Traffic Signal Installations – John McCabe of the FPDCC wanted to note that the FPDCC has been having issues with getting IDOT permits for tree installation approved and were wondering if there was anything that could be done to resolve the delays. IDOT's Maintenance staff noted that the issue has been resolved. The issue was related to the contractor.

IDOT Items:

The following are the discussions had for various Phase I projects that IDOT has or will coordinate with the FPDCC. See agenda spreadsheet for additional project information:

US 6 at Pulaski Road/Crawford Ave in Markham – The purpose of this meeting was to discuss the proposed improvements at US 6 and Pulaski/Crawford Avenue. This is a follow up to the meeting of August 1, 2014 at which the project was initially presented.

The project includes improvements to the intersection of US 6 (159th Street) at Pulaski/Crawford Road in Markham. The project includes channelization, traffic signal replacement and bicycle and pedestrian facilities. FPDCC facility Midlothian Meadows is located at the northwest quadrant of the intersection. Oak Forest Heritage Preserve is south and west of the improvement. The original intent of the design was to minimize impacts to FPDCC property; therefore, previously, a shared-use path was proposed on the east side of Pulaski/Crawford Avenue. At the August meeting, the FPDCC requested that the path be located on the west side of Pulaski/Crawford and that it extend north to the entrance to the Midlothian Meadows Preserve and south to connect to future paths planned for the Oak Forest Heritage Preserve.

The Department presented exhibits illustrating the path on the west side of Pulaski/Crawford from the entrance to the Midlothian Meadows to 159th Place. North of US 6, the path would be located on FPDCC property. Construction of the path would require a temporary easement from FPDCC. FPDCC requested that the path be extended further south in order to provide better connectivity to their planned paths in the Oak Forest Heritage Preserve. The Department indicated that they could extend the path approximately 300 feet south of 159th Place to the first driveway to the south.

A letter was presented to Ms. Chris Slattery of the FPDCC. The purpose of the letter is to obtain FPDCC concurrence that this project will satisfy the following temporary occupancy requirements under Section 4(f).

1. Duration must be temporary, i.e. less than the time needed for construction of the project, and there should be no change in ownership of the land
2. Scope of the work must be minor, i.e. both the nature and the magnitude of the changes to the Section 4(f) property are minimal;
3. There are no anticipated permanent adverse physical impacts, nor will there be interference with the protected activities, features, or attributes of the property, on either a temporary or permanent basis;
4. The land being used must be fully restored, i.e. the property must be returned to a condition which is at least as good as that which existed prior to the project
5. There must be documented agreement of the official(s) with jurisdiction over the Section 4(f) resource regarding the above conditions.

The letter also outlines the following points of agreement regarding construction of the path.

1. The Department will construct a 10-foot HMA shared-use path on the west side of Pulaski/Crawford from 159th Place to the entrance to Midlothian Meadows Preserve.
2. The District will donate the temporary easement necessary to construct the path on the Midlothian Meadows holdings of District property.
3. The Department will work with the District to minimize the number of trees impacted by the construction of the path.
4. The District will waive their requirement for compensation for any trees that are removed due to the construction of the path.
5. The District agrees to pay the 20% local share of the cost of construction of the path, estimated to be approximately \$16,000.
6. The District will accept long-term maintenance responsibility for the path.

Although the letter contains the above points, these points will be finalized through a Letter of Intent. The concurrence requested in the letter is strictly to confirm the FPDCC concurrence that the project satisfies the temporary occupancy requirements under Section 4(f)

The FPDCC indicated their general concurrence with all points made in the letter, with the modification of the extension of the path to the south approximately 300 feet south of 159th Place.

Illinois Route 58: College Drive to E. River Road –The scope of work includes drainage improvements to the storm water collection system, maintenance to the outfall storm sewer, reinstatement of the existing berms to their original design elevations, and revisions to the access road to Pump Station Number 17.

These topics were originally discussed at the June 26, 2013 and August 1, 2014 FPDCC Coordination meetings. As coordinated with the FPDCC, the proposed access road will be placed within the IDOT ROW, with a temporary easement needed for construction. A permanent easement will be requested for the existing access to the Pump Station, as this portion is currently on FPDCC property. A tree survey has been completed and the report is currently being reviewed internally. A draft copy was supplied for reference.

A summary of the tree survey findings shows that a total of 267 trees were identified during the investigation. Of the 267 trees identified, 239 were volunteer, 9 were landscaped, and 19 were dead. Of the 239 live volunteer trees, 180 were native, and 59 were invasive. The areas with volunteer trees exhibit some native quality. Over 50% of all the trees exhibited a health and/or structure rating of “poor”.

The FPDCC asked that a column showing a tree count be added to the table. The section 4(f) De Minimis report is in the process of being completed and a copy will be sent to the FPDCC for review and comment in January. The FPDCC noted that the Land Use Form and Table A and B should be included in the submittal, as this initiates required coordination with the

Board. Submittal of the 4(f) De Minimis document does not guarantee approval. The FPDCC also requested a cross section of the original berm elevations be provided. The original berm elevation was obtained from a Hydraulic Report conducted in 2005, and while the recommendations in this report are not being pursued, they did contain original berm design sheets as a base. These sheets were used to examine and determine previously documented berm elevations.

Joliet at Brainard Road –The proposed improvements consist of traffic signal replacement and the addition of right turn lanes on the north and east legs. Title search information indicates that the FPDCC owns the south leg of Brainard Road, up to the centerline of Joliet Road. No dedications have been identified on historical Plat information. The scope of improvements will require work on the south leg of Brainard Road for detector loop placement and the installation of pedestrian landings. The Department inquired about acquiring these portions in fee, based on the fact that the sections needed are paved and already comprise a portion of the roadway. The FPDCC noted that a fee simple acquisition was a complicated and lengthy process, as it entails giving up land. At this time, only a permanent easement could be considered.

The FPDCC requested that several existing property lines on the exhibit presented were not shown accurately and should be removed. The Department will forward the Section 4(f) De Minimis report and completed Land Use Form for review.

Illinois Route 43 at 46/47th Street – Phase I, Preliminary Engineering and Environmental, Studies for this intersection improvement was completed on September 16, 2013. The Cook County Board approved acquisition and conveyance documents on September 10, 2014; however, IDOT has not received the signed documents for the land acquisition donations under project R-90-010-13 contract 60V42 parcel # OJG0005. The FPDCC responded that there were some comments on the documents that needed addressing and that they were submitted for signature and should be available shortly.

Illinois Route 171 at Roosevelt Road – The project is located in the Villages of Maywood and Forest Park in Cook County. The scope of improvements consists of extending the eastbound right turn lane on the west leg and restriping the north and south legs of the intersection to include dual left turn lanes. The preliminary engineering and environmental studies (Phase I) for this improvement have been completed. The surrounding land use is comprised of commercial/residential buildings on the northwest quadrant, the John Madden Mental Health Hospital on the southwest quadrant, the Proviso Math and Science Academy on the northeast corner, and the Miller Meadows Forest Preserve of the FPDCC on the southeast corner of the intersection.

IDOT/FPDCC COORDINATION MEETING
IDOT Office – 201 W. Center Ct, Schaumburg
4th Floor Executive Conference Room

August 1, 2014

General Discussion:

The purpose of this meeting was to coordinate various Illinois Department of Transportation (IDOT) projects which are currently in Phase I, Preliminary Engineering and Environmental Studies, and to discuss various locations selected by the Forest Preserve District of Cook County (FPDCC) where IDOT action is needed.

FPDCC Items:

95th Street at 104th –The FPDCC noted that as part of last year's construction project there were 3 trees that were impacted which were not in the tree impact plans. These trees were replaced last fall and were found dead this year. The FPDCC would like IDOT to replace these trees.

IDOT noted that the contractor was told by the FPDCC to move the trees to a different location from what was stated in the plans which was outside of the IDOT right-of-way (ROW) and the location was apparently not suitable for tree growth because of flooding concerns. IDOT's Maintenance Staff noted that since the trees were taken out of the IDOT ROW and put in a place different than the plans stated, that the contractor could not be held responsible for ensuring the trees survived. IDOT's Maintenance Staff noted that IDOT has a tree installation contract coming out in the Spring which can be used to replace the 3 dead trees. Rick Wanner and/or Steve Lipkie from IDOT's Bureau of Maintenance will coordinate with John Sterenberg of the FPDCC on the location of the trees that are to be replaced. Any trees placed outside of the IDOT ROW will require donation of the easement or a right of entry license to the contractor.

Permits for FPDCC Work on State ROW – John McCabe of the FPDCC wanted to note that the FPDCC has been having issues with getting IDOT permits for tree installation approved and were wondering if there was anything that could be done to resolve the delays. IDOT's Maintenance staff noted that the issue has been resolved. The issue was related to the contractor.

IDOT Public Meeting/Hearing Invite Letters – The FPDCC has received invitation letters to a Public Meeting for Wood Street and asked if there was anything that IDOT wanted to follow up on those letters. IDOT noted that the letters are invitation letters mailed to a large group of stakeholders to provide an opportunity for the public to review and comment on

proposed improvements. Separate coordination meetings with the FPDCC take place prior to these meetings but that the invitation is for your information only.

IDOT Requests for FPDCC Information – IDOT noted that one of the issues that seems to be reoccurring with the various improvement plans that IDOT has is a lack of information on the existing FPDCC property boundaries which often times delays projects. IDOT inquired if the FPDCC kept readily available records of the FPDCC holdings that could be used to aid in the initial ROW determination. The FPDCC noted that they keep good records of their current holdings but that easements could be difficult to find/track. IDOT noted that it would be useful if any available information could be transmitted to IDOT when they send out their initial project letters requesting for information. IDOT will revise the letter template to note the request for this information and include a location of the area where information is requested.

IDOT Items:

The following are the discussions had for various Phase I projects that IDOT has or will coordinate with the FPDCC. See agenda spreadsheet for additional project information:

147th Street at Menard Avenue – This was the initial presentation of this project. The project is located in the City of Oak Forest. IDOT was notified of flooding concerns at the culvert crossing 147th Street west of Menard Avenue and in the neighborhood to the southeast of 147th Street and Menard Avenue. A drainage investigation was performed. Two culverts at 147th Street located approximately 1,200 feet and 2,600 feet west of Central Avenue convey water to the north side of the road and through FPDCC land. The existing outfall in the FPDCC property, to the north of the eastern culvert crossing 147th Street, has silted in over the years and the water does not drain properly. Several options were studied in the drainage investigation and the scope of work proposed is to replace the eastern culvert with a larger culvert and grade from the existing outfall approximately 200 feet to the north to reestablish flow to the north. Phase I studies have been initiated and IDOT inquired whether the FPDCC had any concerns or comments. The FPDCC asked if increasing the culvert size alone was sufficient to resolve the problem and IDOT noted that the combination of reinstating the flow line and replacing the culverts is needed. IDOT also noted that this appears to be a headwater area, so the channel in this area is not well defined with channel banks and a normal flow. Due to the siltation, the flow has to build up on the upstream side of 147th Street until it can divert to an offsite storm sewer. Flooding has threatened to enter homes and has overtopped over the roadway. The FPDCC would like to know what the tree impacts will be, as well as any other impacts to their property. The FPDCC mentioned that there is an agreement with the MWRD regarding small streams that may be able to do some grading work in this area.

IDOT will begin the environmental process and inform the FPDCC of the impacts to forest preserve land.

183rd Street at Central Avenue – The project is located at the intersection of 183rd Street and Central Avenue in Unincorporated Cook County and is bordered on all sides by Cook County Forest Preserve. The proposed scope of work includes channelization on 183rd Street and traffic signal replacement. The addition of the left turn lanes on Central Avenue and the extension of the existing left turn storage areas on 183rd Street will require pavement widening and ditch regrading within the project limits. In order to provide positive ditch flow to the outlets located west of the intersection improvements, the profile will be raised approximately 2-feet. Permanent Easements will be required from the FPDCC to regrade the ditches. IDOT reduced ROW needs to the extent possible and is in the process of coordinating a detour plan with Cook County, as this will eliminate the need for additional easements due to temporary widening.

The project was initially discussed at the March 2013 coordination meeting, and at the time the FPCDD requested a copy of the Drainage Technical Memo. Upon completing the study, a copy was forwarded to the FPDCC for their comments (October 2013).

An overview of the proposed drainage conditions was presented and IDOT asked if the FPDCC had comments on the scope of the improvements. The FPDCC would like to ensure that there will be no impacts to the southwest quadrant as this area is a mitigation site. The FPDCC will provide a Wetland Restoration Site Map, so that it may be determined if additional coordination with the ACOE is required.

IDOT will initiate the *4f De Minimis* process and submit the report to the FPDCC for approval.

Subsequent to the meeting: The FPDCC provided drainage comments via email on August 6, 2014. IDOT is coordinating an internal response and will follow-up with the FPDCC.

Illinois Route 58: College Drive to E. River Road – The scope of work includes drainage improvements to the storm water collection system, maintenance to the outfall storm sewer, reinstatement of the existing berms to their original design elevations, and revisions to the access road to Pump Station Number 17.

These topics were originally discussed at the June 26, 2013 FPDCC Coordination meeting. Based on feedback obtained from the FPDCC to have the access road placed entirely within the IDOT ROW, the access road will be extended to the east, along the IDOT ROW with the use of proposed retaining walls. Extending it to the east will allow access to the pump station during flooding events. A Temporary Easement will be required for construction purposes.

Preliminary ROW information verifies that a portion of the access road is located within FPDCC property. IDOT will request a Permanent Easement for these portions as part of this process.

The preferred location for the existing berms was also discussed. The original berms, located on the north and south sides of IL 58 are in need of restoration. This location is susceptible to flooding due to the proximity of the Des Plaines River. The existing plans show that the berms were located outside the IDOT ROW at several locations. It is preferred that the berms be replaced without the use of a retaining wall. This would require Temporary Easements from the FPDCC in order to restore the berms to their original elevation.

IDOT will initiate 4f *De Minimis* processing for berm restoration, access road modification and complete a tree survey to identify any impacts to trees located within FPDCC property.

I-90 (Kennedy Expressway); I-190 to IL 43 – The scope of work for the I-90 improvement is anticipated to consist of access improvements between I-190 and Cumberland Avenue including a westbound collector-distributor (C-D) road, auxiliary lanes between Cumberland Avenue and Harlem Avenue, and pavement resurfacing across all lanes along I-90.

A previously completed I-190 Phase I Study included project components contiguous to the I-90 proposed improvements. One specific element is the I-190 at Cumberland Avenue flyover ramp. The flyover ramp would merge onto I-190 prior to exiting to Cumberland Avenue. The exiting ramp traffic would be barrier separated from I-90.

The scope of both projects will impact the East River Road structure over I-90. Based on previous coordination, it is our understanding that the FPDCC owns the multi-purpose path adjacent to the East River Road bridge while CDOT has jurisdiction over the East River Road bridge. As such, this bridge will be reconstructed to accommodate the proposed I-90 and I-190 improvements in this vicinity. Funding for the reconstruction of this structure is identified as part of the I-190 at Cumberland Avenue Flyover project. No right-of-way is required to reconstruct the structure. A Section 4F Temporary Occupancy Letter was sent to FPDCC for their concurrence. FPDCC said we should expect their signed approval within the next week. FPDCC had no additional comments or questions on the proposed improvement.

Illinois Route 171 (Archer Avenue) at Wolf Road and 95th Street – IDOT began by reviewing the conclusions from the last quarterly meeting. At this meeting the FPDCC stated that if the proposed improvements alternative would require retaining walls along 95th Street, IDOT would need to further evaluate realignments and a shift of the intersection to the center of the triangle area. IDOT agreed to evaluate this alternative and told the FPDCC that by doing the T-Intersection, additional retaining walls will be required on Illinois Route 171 to

hold the amount of fill for the roadway. Next, IDOT presented the geometry of the new proposed alternative. IDOT added that with this “T-Intersection” the only way to avoid the need for retaining walls along 95th Street would be to raise Illinois Route 171 approximately 20 feet. This design would impact more trees. A new tree survey was recently made and a comparison of the tree impacts per alternative (“Wye” vs “T” intersections) was also provided by IDOT to the FPDCC. Retaining wall aesthetic treatments were discussed as well, and IDOT brought pictures of how the proposed retaining wall will potentially look and the finishes that can be done to the concrete. The FPDCC asked if the proposed fill under the road would impede subsurface drainage. IDOT added that the drainage will consist most likely of inlets along the roadway that will collect the water and bring it to a new proposed culvert structure in Illinois Route 171. The materials used for filling the road will most likely be permeable such as a CA7 type gradation and will have to pass IDOT’s standards and inspections for quality. IDOT also added that if the FPDCC wishes, enhancements can be placed in the triangle section of the intersection. The FPDCC agreed with this new alternative and asked IDOT to move forward in that direction with the design presented. IDOT will go ahead with this alternative, coordinate with the hydraulics and geometrics sections, and update the FPDCC as this alternative develops.

Illinois Route 171 over Equestrian Path n/o Illinois Route 64

The proposed improvement is anticipated to consist of replacement of the existing, seriously rated and load posted, 10’x10’ box culvert with another 10’x10’ box culvert located just to the south of the of the existing culvert. An email from Daniel White, FPDCC Landscape Architect, on March 20, 14 to the John O’Neal of CMAP and Pam Sielski, FPDCC, stated that the FPDCC was looking into reactivating the underpass in conjunction with Triton College. The existing structure provides hydraulic overflow and could have been downsized to 7’x7’ but the 10’x10’ meets IDOT requirements for a bicycle/pedestrian underpass and does not preclude future use by the FPDCC. No right-of-way from the FPDCC is anticipated. The FPDCC had no additional comments or questions on the proposed improvement.

Joliet at Brainard Road – The proposed improvements consist of traffic signal replacement and the addition of a southbound and westbound right turn lane. Preliminary ROW and title search information indicates that the FPDCC owns the south leg of Brainard Road. A Permanent Easement may be required to replace detector loops along the south leg. No other easements or proposed ROW are anticipated as part of this project. IDOT was evaluating proposed left turn channelization on both the north and south legs of Brainard. However, after discussing these with the FPDCC and with Countryside, IDOT will not pursue this addition to the project scope.



Illinois Department of Transportation

Attendance Roster

Bureau: PROGRAMMING Section: PROJECT STUDIES
 Project/Topic: FPDCC/IDOT QUARTERLY MEETING
 Date: AUGUST 1ST 2014
 Time: 9:00 am
 Location: IDOT SCHAUMBURG OFFICE

	Attendees	Representing	Phone Number	Email Address
1.	CARLOS FELICIANO	IDOT P&ES	847.705.4106	carlos.feliciano@illinois.gov
2.	Anand Patel	IDOT Geometrics	847-705-4677	anand.patele@illinois.gov
3.	Kimberly Murphy	IDOT - P&ES	847-705-4791	kimberly.murphy@illinois.gov
4.	Mike Phan	IDOT - P&ES/Startec	847-705-4634	Michael.Phan@illinois.gov
5.	Beth Giarelli	IDOT - P&ES	847 705-4718	Beth.Giarelli@illinois.gov
6.	GISELDA MANSOURIS	IDOT - PM - CSU	847.705.4716	griselda.mansouris@illinois.gov
7.	PERRI MASOURIDIS	IDOT/PROG/HID	847 705-4474	eleftherios.masouridis@illinois.gov
8.	MELISSA DEL ROSARIO	IDOT - MAINT/ROADSIDE	847-705-4391	melissa.delrosario@illinois.gov
9.	FABIOLA QUIROZ	IDOT - MAINT - ROADSIDE	847.705.4596	fabiola.quiroz@illinois.gov
10.	Rick Warner	IDOT - Maint. Roadside	847-705-4172	rick.wannere@illinois.gov
11.	SAM MEAD	IDOT - ENV.	847-705-4101	SAM.MEAD@ILLINOIS.GOV
12.	Catherine Kibble	IDOT - Design	847 705 4269	Catherine.kibble@illinois.gov
13.	Steve Lipkoe	IDOT Maint.	847 705 4173	steven.lipkoe@illinois.gov
14.	Pam Broviak	IDOT - Prog.	847-705-4074	pamela.broviak@illinois.gov
15.	Brenda L. Alicea	IDOT - Prog.	847-705-4809	Brenda.Alicea@illinois.gov
16.	Chip O'Leary	FPCC	708 771 1008	charles.o'leary@cookcountyil.gov
17.	John McDonough	IDOT - Land Acq.	847-705-4321	john.mcdonough@illinois.gov
18.	John Baczek	IDOT P&ES	847 705 4104	john.baczek@illinois.gov
19.	JOHN STERNBERG	FPCC	708-771-1192	john.sternberg@cookcountyil.gov
20.	Chris Slattery	FPCC	708-771-1572	chris.slattery@ "
21.	Dave Kircher	FPCC	708-771-1172	david.kircher@cookcountyil.gov
22.	ADWAN NAMMARI	"	708-771-1357	adnan.nammari@cookcountyil.gov



Illinois Department of Transportation

Attendance Roster

Bureau: PROGRAMMING Section: PROJECT STUDIES

Project/Topic: FPOCC/IDOT QUARTERLY MEETING

Date: AUGUST 1ST 2014

Time: 9:00 AM

Location: IDOT SCHAUMBURG OFFICE

	Attendees	Representing	Phone Number	Email Address
1.	JASON SALLEY	IDOT PRES	847/705-4085	JASON.SALLEY@ILLINOIS.GOV
2.	Hélène Maldonado-Cabea	IDOT - PPOG	847/705-4443	Hélène.Maldonado@ILLINOIS.GOV
3.	ESTHER WINDGRAD	IDOT - PROG/HYD	847/705-4475	esther.windgrad@illinois.gov
4.	Mark Somers	IDOT LAND MGR	847-705-4190	Mark.Somers@Illinois.gov
5.	Theresa Pelletier	IDOT Program	847-705-4479	theresapelletier
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AGENDA ITEM #5
Joliet Road at Brainard Avenue
Job No. P-91-548-12
Cook County
August 12, 2014

This was the first presentation of this project. The purpose of the meeting was to introduce the project and present the proposed improvement.

Improvements are proposed at this intersection due to the amount of traffic and distribution of movements at this intersection. The District does not currently have funding for this project. The intersection is a 4-legged intersection located in the City of Countryside in Cook County. Joliet Road runs in a northeast-southwest direction and Brainard Avenue runs in a north-south direction. Joliet Road is a state route and is classified as a Minor Arterial. Joliet Road has a 40 mph posted speed limit with an ADT of 18,300 vehicles per day (vpd). The south leg of Brainard Avenue is classified as a local road and is under the jurisdiction of the Forest Preserve District of Cook County. The north leg of Brainard Avenue is classified as a Major Collector and is under the jurisdiction of Cook County. Brainard Avenue has a 20 mph posted speed limit on the south leg and a 35 mph posted speed limit on the north leg. The ADT is 6,900 vpd on the north leg of Brainard Avenue.

Joliet Road currently consists of two 11' through lanes in each direction separated by an 11' left turn lane on each leg. Brainard Avenue currently consists of one 13' through lane in each direction along the south leg. The north leg of Brainard Avenue currently consists of one 15' through lane in each direction. All legs of the intersection have B-6.24 curb and gutter except for the south leg of Brainard Avenue which has a gravel shoulder that varies from 7' to 8.5' along the east side.

The intersection is located in primarily commercial areas. Rafferty's Irish Pub and residential homes are located in the southwest quadrant. Outriggers Restaurant and residential homes are located in the northwest quadrant. There is a vacant lot located in the northeast quadrant along with a business park to the east and a church to the north. Arie Crown Forest (Forest Preserve District of Cook County) is located in the southeast quadrant.

The proposed improvements consist of a proposed westbound right turn lane on the east leg of the intersection and a southbound right turn lane on the north leg of the intersection. This will require widening on both the east and north legs. The widening on the east leg is adjacent to a vacant lot and a business park and will impact an entrance to the vacant lot. The widening on the north leg is adjacent to a restaurant and residential homes and will impact an entrance to the restaurant. The existing restaurant entrance is 106' wide and does not meet IDOT standards. This entrance will be reconstructed at a 35' width according to design guidelines.

The eastbound and westbound left turn lanes will be restriped in order to better accommodate truck turning movements and the updated intersection geometry. Proposed cross walks and pedestrian landings will be included on all legs of the intersection. This will provide improved access to the PACE bus stops located on the northeast and southwest corners of the intersection. ROW will need to be acquired on the

east leg due to the right turn lane addition. Temporary easement will need to be acquired on the north leg due to the right turn lane addition and entrance grading.

The restaurant on the northwest corner of the intersection has three access drives on the west leg of the intersection. The entrance near the radius return is proposed to be removed. The entrance removal was an IDOT comment upon preliminary geometric review.

The IDOT Bureau of Land Acquisition completed ROW verification for this job. It was confirmed that the south leg of Brainard Road is owned by the Forest Preserve District of Cook County. The City of Countryside plows the south leg but does not have jurisdiction over it. The potential work on the south leg of the intersection includes striping, cross walks and pedestrian landings. There are existing detector loops and traffic signal equipment on the south leg outside of IDOT ROW. If the aforementioned work is to be pursued as part of this project, Section 4(f) De Minimis documentation will be required and the project will be processed as a Categorical Exclusion (CE) Group II. If the work is not pursued then the project will be considered CE I and the use of video detection is acceptable. Since the existing detector loops and traffic signal equipment are outside of the existing ROW, IDOT stated that a permanent easement should be used on the south leg so the detector loops and traffic signal equipment will not be on forest preserve property.

Further coordination with PACE is needed to verify the preferred proposed bus stop location. PACE may prefer far side bus stops especially when considering the westbound right turn lane.

Coordination with the City of Countryside is needed concerning cost participation for the proposed sidewalk landings.

Design exceptions for this project include LOS E's for the AM northbound and southbound movements. There is minimal NB and SB traffic and the LOS for EB and WB movements are A's. Another design exception is the proposed 120' SB right turn lane taper as opposed to the 135' design standard. Using the standard will encroach into the 63rd Street and Brainard intersection. IDOT prefers to use the 120' taper in this location.

A crash analysis was developed for this project which included five years of data from 2007 to 2011. Within the study period for this intersection there were a total of 22 crashes, 8 injury crashes and no fatalities. There were 10 total injuries, 0 Type A, 2 Type B, 7 Type C and 1 unspecified injury. The predominant crash types were turning type and rear end crashes, which accounted for 9 (40.9%) and 8 (36.4%) of the total crashes. The intersection was not included in the IDOT 5% report.

3R Guidelines (BDE Figure 36-3.J) are being utilized for this project using the posted speed limit for design criteria.

Pedestrian accommodations will be replaced in-kind unless the project meets Complete Streets criteria, in which case 8 foot shared-use path accommodations will be included in the design. Since this project does not move through lanes closer to adjacent properties, it does not warrant the use of Complete Streets

criteria. A widening project that moves through lanes closer to adjacent properties warrants the use of Complete Streets criteria. Cross walks and pedestrian landings are proposed at the intersection.

Environmental cultural clearance for the project was received on 12/02/2013.

Natural Resources clearance for the project was received on 12/18/2013.

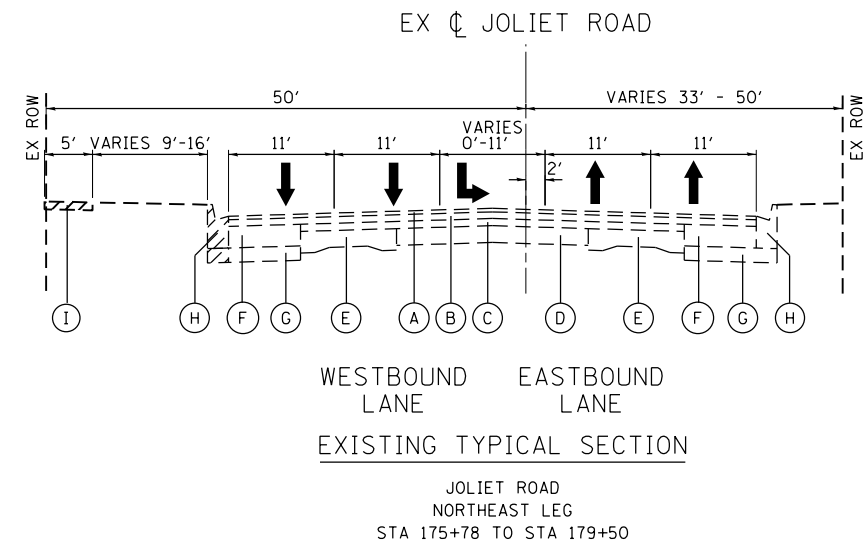
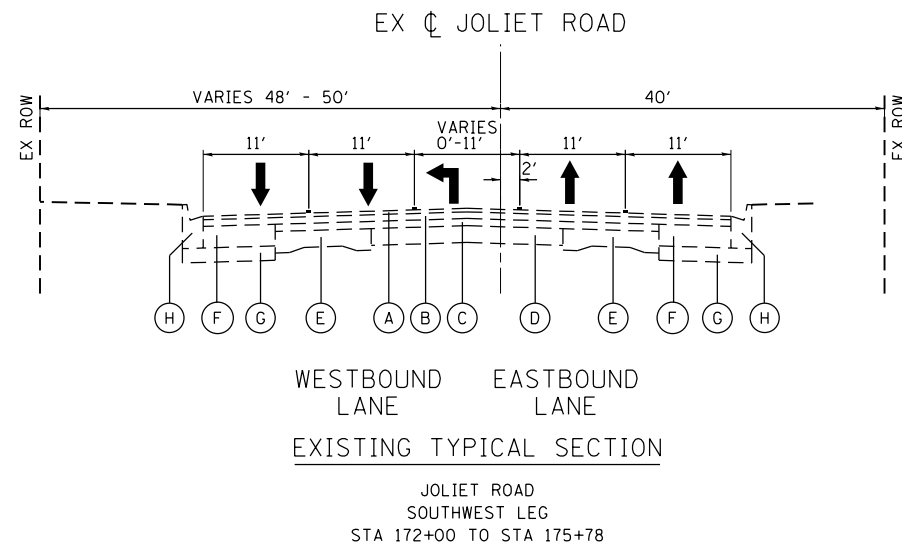
Special Waste (PESA) completion for the project was received on 05/07/2014.

The project will be processed as a Categorical Exclusion Group II.

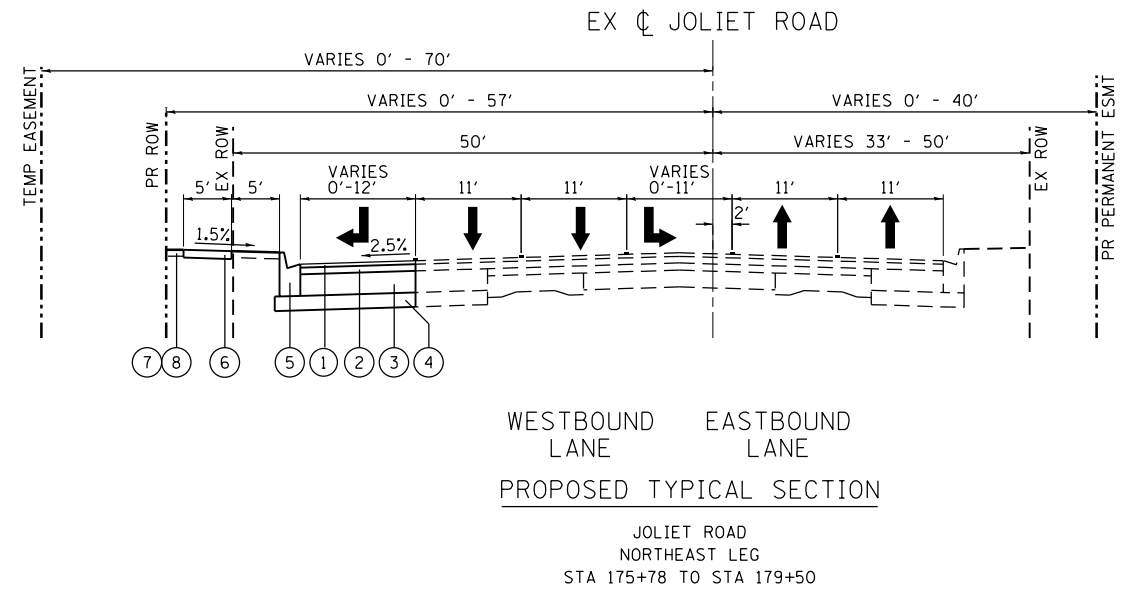
Section 4(f) *De minimis* Impact Documentation
Arie Crown Forest Preserve
Forest Preserve District of Cook County

Attachment D

Proposed Improvement Plan



- LEGEND**
- Ⓐ EXISTING HOT-MIX ASPHALT SURFACE COURSE, MIX "E", CLASS 1, 1 1/2"
 - Ⓑ EXISTING HOT-MIX ASPHALT BINDER COURSE, 2 3/4"
 - Ⓒ EXISTING HOT-MIX ASPHALT RESURFACING, 3"
 - Ⓓ EXISTING PCC PAVEMENT, 7"
 - Ⓔ EXISTING PCC PAVEMENT, VARIES 7"-9"
 - Ⓕ EXISTING PCC BASE COURSE, 9"
 - Ⓖ EXISTING SUB-BASE GRANULAR MATERIAL, TYPE A, 6"
 - Ⓗ EXISTING COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
 - Ⓘ EXISTING PCC SIDEWALK
 - ① PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 1 1/2"
 - ② PROPOSED HOT-MIX ASPHALT BINDER COURSE, 1L-19.0, N70, 2 1/4"
 - ③ PROPOSED PCC BASE COURSE, 9"
 - ④ PROPOSED SUB-BASE GRANULAR MATERIAL, TYPE A, 6"
 - ⑤ PROPOSED COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
 - ⑥ PROPOSED PCC SIDEWALK
 - ⑦ PROPOSED TOPSOIL FURNISH AND PLACE, 4"
 - ⑧ PROPOSED SODDING



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

JOLIET ROAD AT BRAINARD AVENUE
TYPICAL SECTIONS

ATTACHMENT D

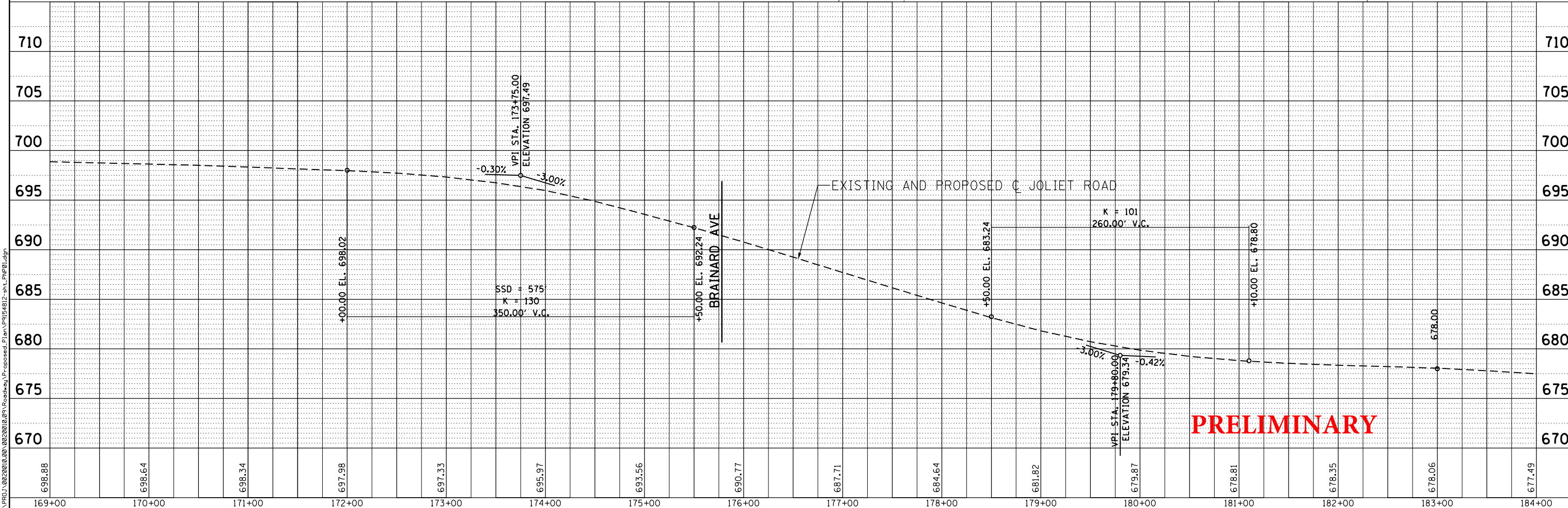
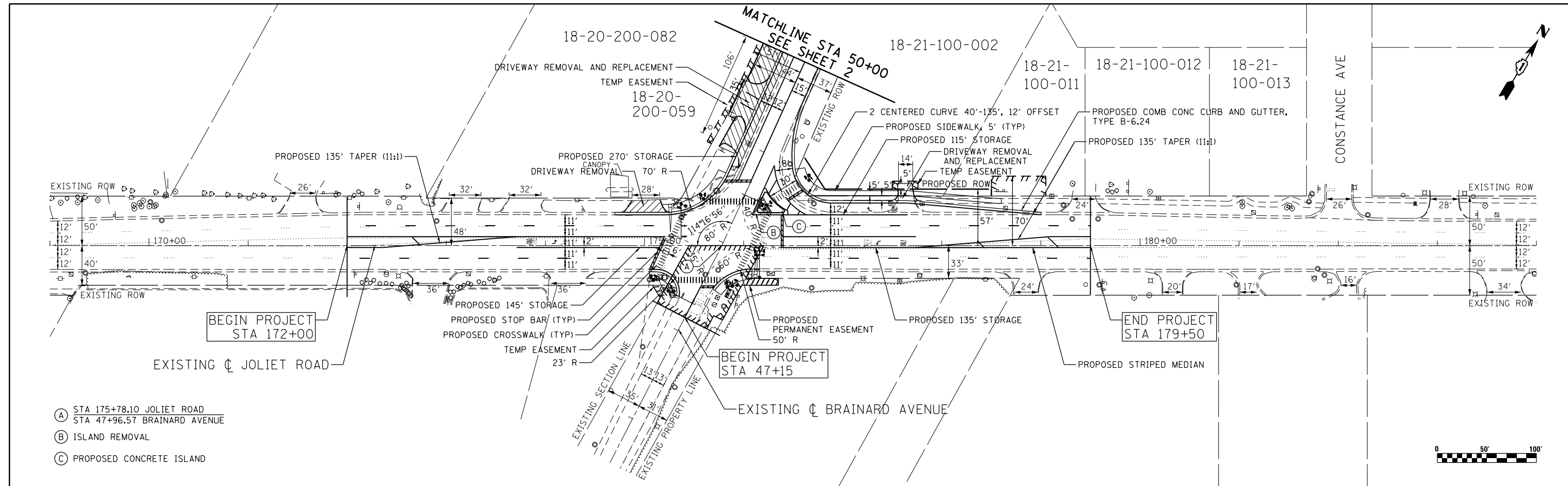
SCALE: 1" = 50' SHEET NO. OF SHEETS ST

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3562		COOK	02	01
CONTRACT NO.				
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT				

USER NAME = ahorn	DESIGNED - RJR	REVISED -
	DRAWN - AMH	REVISED -
PLOT SCALE = 20.0000' / 1"	CHECKED - MRJ	REVISED -
PLOT DATE = 8/27/2014	DATE - AUGUST 2014	REVISED -

DATE	
BY	
PLAN	SURVEYED
	ALIGNED
	CHECKED
	NO. _____
	DATE _____

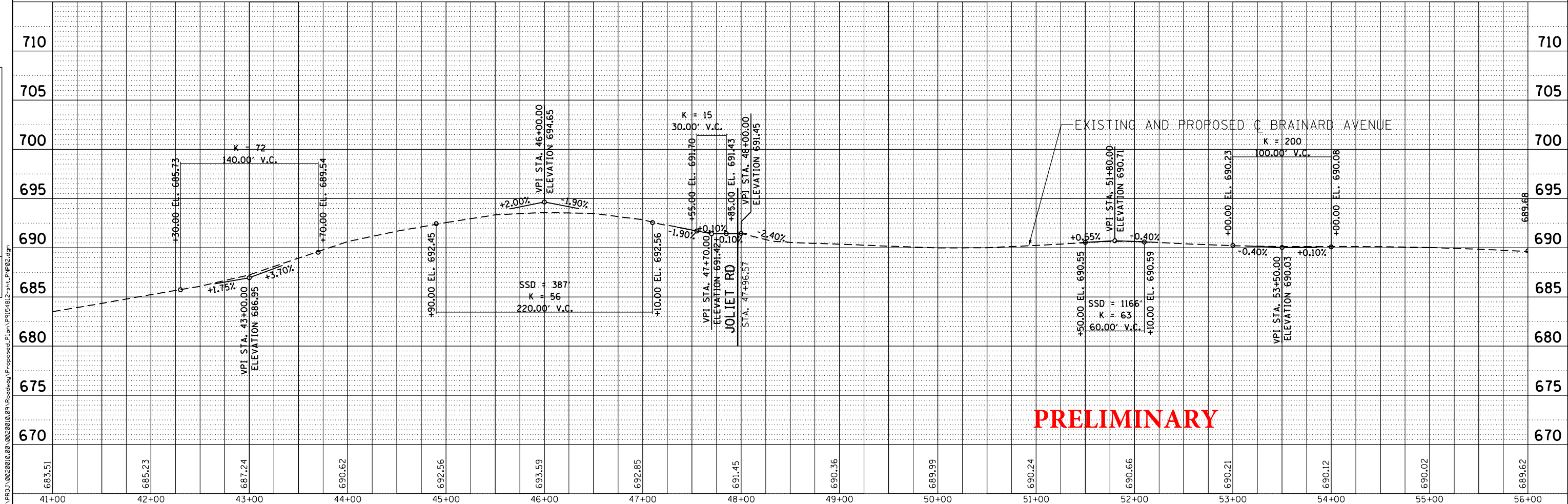
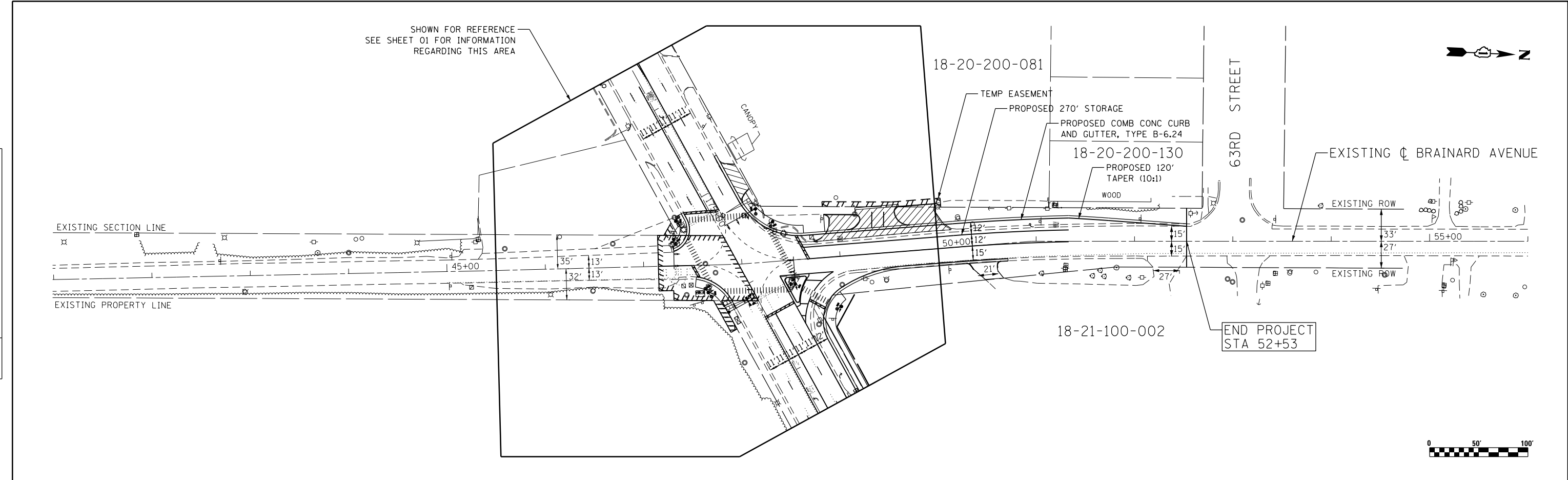
DATE	
BY	
PROFILE	SURVEYED
	GRADES CHECKED
	STRUCTURE NOTATIONS CHECKED
	NO. _____
	DATE _____



PRELIMINARY

PLAN	SUBMITTED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
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NO.	FILE NAME	

PROFILE	SUBMITTED	DATE
	PLOTTED	
	GRADES	
	CHECKED	
	STRUCTURE	
	NOTATIONS	
NO.	FILE NAME	



PRELIMINARY

Section 4(f) *De Minimis* Impact Documentation
Arie Crown Forest Preserve
Forest Preserve District of Cook County

Attachment E

Public Review and Comment



Illinois Department of Transportation
Public Comment

IDOT is seeking public comments on Section 4(f) impacts the Joliet Road at Brainard Avenue Intersection project will have on Arie Crown Forest Preserve owned and operated by the Forest Preserve District of Cook County. Section 4(f) lands include publicly owned parks, recreational areas, wildlife and waterfowl refuges, or public and private historical sites. The project will impact Arie Crown to the southeast of the Joliet Road at Brainard Avenue Intersection to construct sidewalk and replace existing traffic signal equipment. This is the first opportunity for the public to comment on the additional public land needed for this project. The Section 4(f) de minimis documentation is available for viewing at the following locations during normal business hours.

DATE: October 29, 2015 to November 27, 2015
TIME: 9:00 AM to 3:00 PM, Monday thru Friday
PLACE: Illinois Department of Transportation
Bureau of Programming – 4th Floor
201 West Center Court
Schaumburg, IL 60196

OR

Forest Preserve District of Cook County
536 North Harlem Avenue
River Forest, IL 60305

Electronic copies are available on IDOT's website at <http://www.idot.illinois.gov/transportation-system/environment/index> under the Section 4(f) tab. Written comments can be submitted at the IDOT office, mailed to the IDOT office, or submitted electronically to <http://www.idot.illinois.gov/transportation-system/environment/index>. Comments must be received by November 27, 2015, to be considered part of the public record.

This documentation will be accessible to people with disabilities. Anyone needing special assistance should contact Griselda Monsivais at (847)705-4716. Persons planning to visit either site or view the documents who will need a sign language interpreter or other similar accommodations should notify the Department's TTY/TTD number (800) 526-0844/or 711; TTY users (Spanish) (800) 501-0864/or 711; and Telebraille (877) 526-6670 at least five (5) days prior to the visit.

All correspondence regarding this project should be sent to:

Illinois Department of Transportation
201 West Center Court
Schaumburg, IL 60196-1096
Bureau of Programming
Attn: Griselda Monsivais