



Section 4(f) De Minimis Documentation

**ILLINOIS ROUTE 68
OVER
MIDDLE FORK NORTH BRANCH
CHICAGO RIVER**



**Village of Northbrook
Cook County, Illinois**

*Illinois Department of Transportation
Division of Highways/District 1/Region 1
May 2012*

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**4(f) De Minimis Documentation for Illinois Route 68 (Dundee Road)
over the Middle Fork North Branch Chicago River
Village of Northbrook, Cook County, Illinois**

1. Project Description

- a. **Project Number:** P-91-502-01 (IDOT)
- b. **Project Name:** Illinois Route 68 over Middle Fork North Branch Chicago River
- c. **Location:** Village of Northbrook, Cook County
- d. **Project Type:** Culvert Replacement
- e. **Project Length:** 0.09 miles
- f. **NEPA Class of Action:** CE II
- g. **Purpose and Need of the Project:** Replace the existing culvert that runs from northwest to southeast under the intersection of Illinois Route 68 (Dundee Road) and Lee Road. The culvert was built in 1938 and is nearing its design life of 75 years. Due to the low sufficiency, operating, and inventory ratings the only option is total replacement in order to maintain safety and operational parameters at the intersection.
- h. **Project Status:** Phase I, Preliminary Engineering and Environmental Studies, is near completion. Phase II, Design and Contract Plan Preparation, is currently underway and will be working concurrently with Phase I.

2. Section 4(f) Resources

- a. **Name of Resource:** Somme Woods & Chipilly Woods
- b. **Type of Resource:** Natural Area & Forest Preserve
- c. **Official with Jurisdiction (OWJ):** Forest Preserve District of Cook County (FPDCC)
- d. **Description of role/significance in the community:** Forest Preserve for outdoor recreation activities.

**4(f) De Minimis Documentation for Illinois Route 68 (Dundee Road)
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Village of Northbrook, Cook County, Illinois**

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

- a. Acres to be taken:** 0.18 acres of Somme Woods are needed as a permanent easement in order to construct the replacement culvert in the existing location. 0.07 acres of Chipilly Woods are needed as a permanent easement in order to maintain the existing storm sewer outfall. 0.14 acres of Chipilly Woods are needed as a temporary easements to build gabion walls and grade along the new culvert and to complete storm sewer work required by replacing the existing culvert.
- b.** There will be no negative impact to the FPDCC property in this case. The permanent easements and temporary easements will be needed in order to replace the existing culvert in the same location as the existing culvert is located.
- c.** The properties needed for the permanent easements and temporary easements are currently wooded areas with no recreational use, located in the northwest quadrant of Illinois Route 68 (Dundee Road) and Lee Road, the east side of Shermer Road at the structure over the Middle Fork North Branch Chicago River, and the south side of Illinois Route 68 east and west of Lee Road. (See Attachment 2)
- d.** The existing culvert is already located on FPDCC property. The proposed culvert will be constructed in the same location as the existing culvert. The proposed culvert will be consistent with the function and significance of the current land use. The existing storm sewer on the east side of Shermer Road is already on FPDCC property. The proposed permanent easement will be used to maintain the existing outfall to the river. The proposed temporary easement on the south side of Illinois Route 68 is to be able to construct gabion walls within the current right-of-way and grade around the new culvert. The proposed temporary easement at the southwest quadrant of Illinois Route 68 and Lee Road is needed to complete storm sewer work that is required by replacing the existing culvert. (See Attachment 3)
- e.** The scour and flooding issues in the area may be improved due to the design of the new culvert. The existing culvert is a double barrel box culvert that has experienced debris blockage. The proposed structure is a three-sided culvert. The debris blockage may be improved by eliminating the middle wall of a double box culvert.

**4(f) De Minimis Documentation for Illinois Route 68 (Dundee Road)
over the Middle Fork North Branch Chicago River
Village of Northbrook, Cook County, Illinois**

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

- a. Because the existing culvert and existing storm sewer lie on FPDCC property, there was no way to avoid impacts or acquisition of FPDCC property.
- b. In order to minimize impacts IDOT limited roadway improvements to maintaining the existing 10-foot outside and 11-foot inside lanes along Illinois Route 68 and limiting the reconstruction of Lee Road to 2-12 foot lanes with 3 foot shoulders. In addition, the profiles at the intersection required a minimum 3 foot raise in order to meet drainage requirements; however, the existing profiles will be maintained. In order to meet the drainage requirements for the stream a larger structure was required; however, IDOT limited the structure to the existing footprint. (See Attachment 3)
- c. In order to enhance the resource, IDOT modified the type of culvert to be replaced from a double box culvert with a 3-sided structure to minimize/eliminate debris accumulation at the culvert which causes flooding of the roadway and FPDCC property.
- d. The Department sent a letter with preliminary land requirements and a request for compensatory storage on FPDCC property to the FPDCC on November 28, 2006. On February 26, 2007 the FPDCC responded that the land request appeared reasonable, however, the FPDCC would not allow the placement of compensatory storage on FPDCC property. After finding no suitable locations for compensatory storage, the scope of work was revised to eliminate raising the roadway profiles; therefore, the land acquisition requirements were adjusted accordingly. (See Attachment 6)
- e. **List of Commitments for Mitigation or Enhancement:**
 - None

**4(f) De Minimis Documentation for Illinois Route 68 (Dundee Road)
over the Middle Fork North Branch Chicago River
Village of Northbrook, Cook County, Illinois**

5. Evidence of Opportunity for Public Review and Comment:

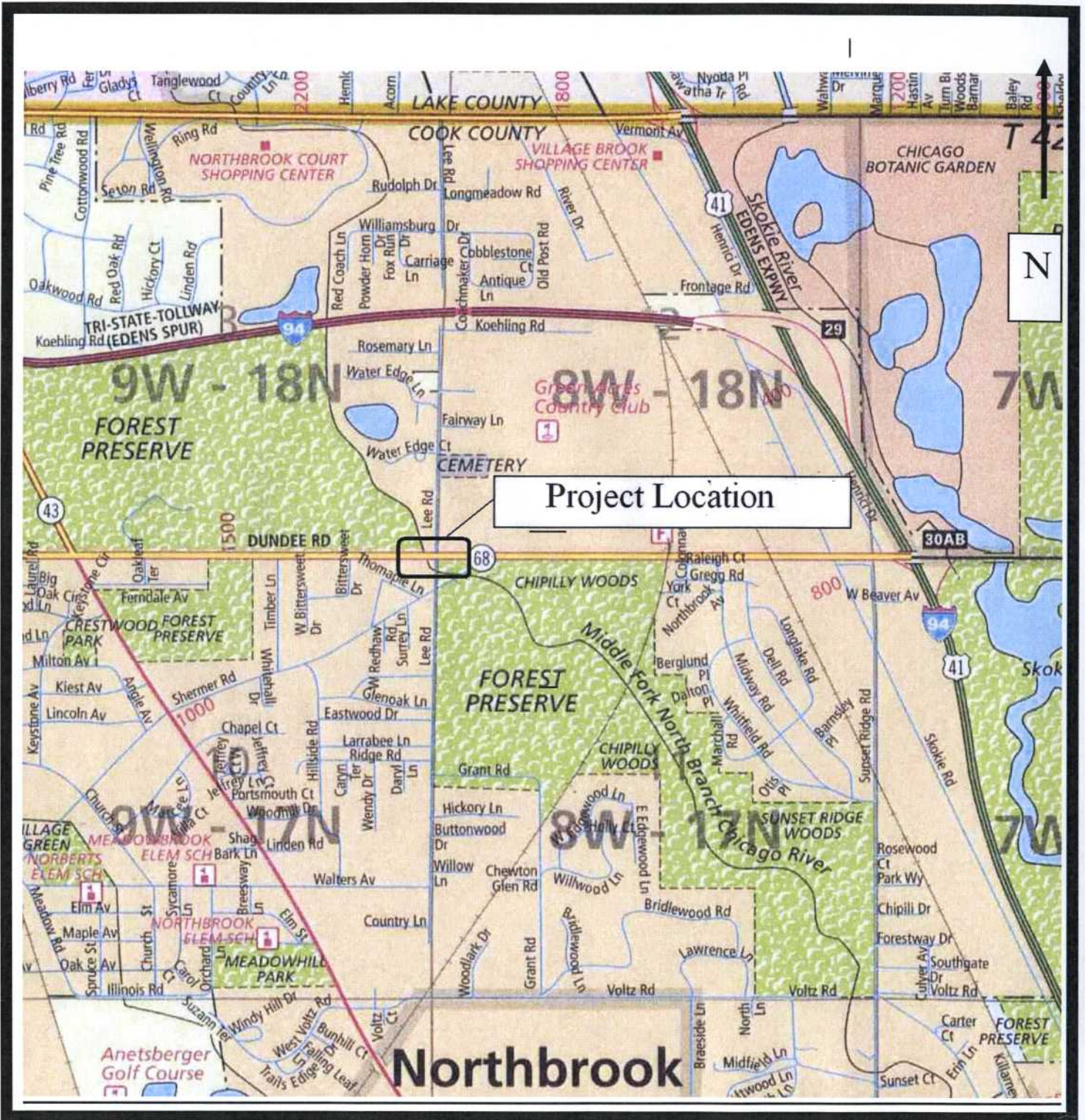
- a. A newspaper ad will be posted to allow the public an opportunity to review and comment on the Section 4(f) impacts. (See Attachment 5)

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

- a. Copy of FPDCC letter to IDOT dated March 1, 2002. (See Attachment 6)
- b. Copy of IDOT letter to FPDCC dated November 28, 2006. (See Attachment 6)
- c. Copy of FPDCC response letter to IDOT dated February 26, 2007. (See Attachment 6)
- d. Copy of IDOT letter to FPDCC requesting review of the Section 4(f) De Minimis Documentation dated June 18, 2010. (See Attachment 6)
- e. Copy of e-mail to FPDCC with Coordination Summary dated September 13, 2010. (See Attachment 6)

7. Supporting Documentation

- a. Project Location Map (see Attachment 1).
- b. Existing Aerial (see Attachment 2)
- c. Preliminary Proposed Plan and Profile (See Attachment 3)
- d. Photographs of Resource (see Attachment 4)
- e. Newspaper Public Comment Display Ad (see Attachment 5)
- f. Copies of other correspondence (see Attachment 6)



Location Map

IL 68 over the Middle Fork North Branch Chicago River

Municipality: Village of Northbrook

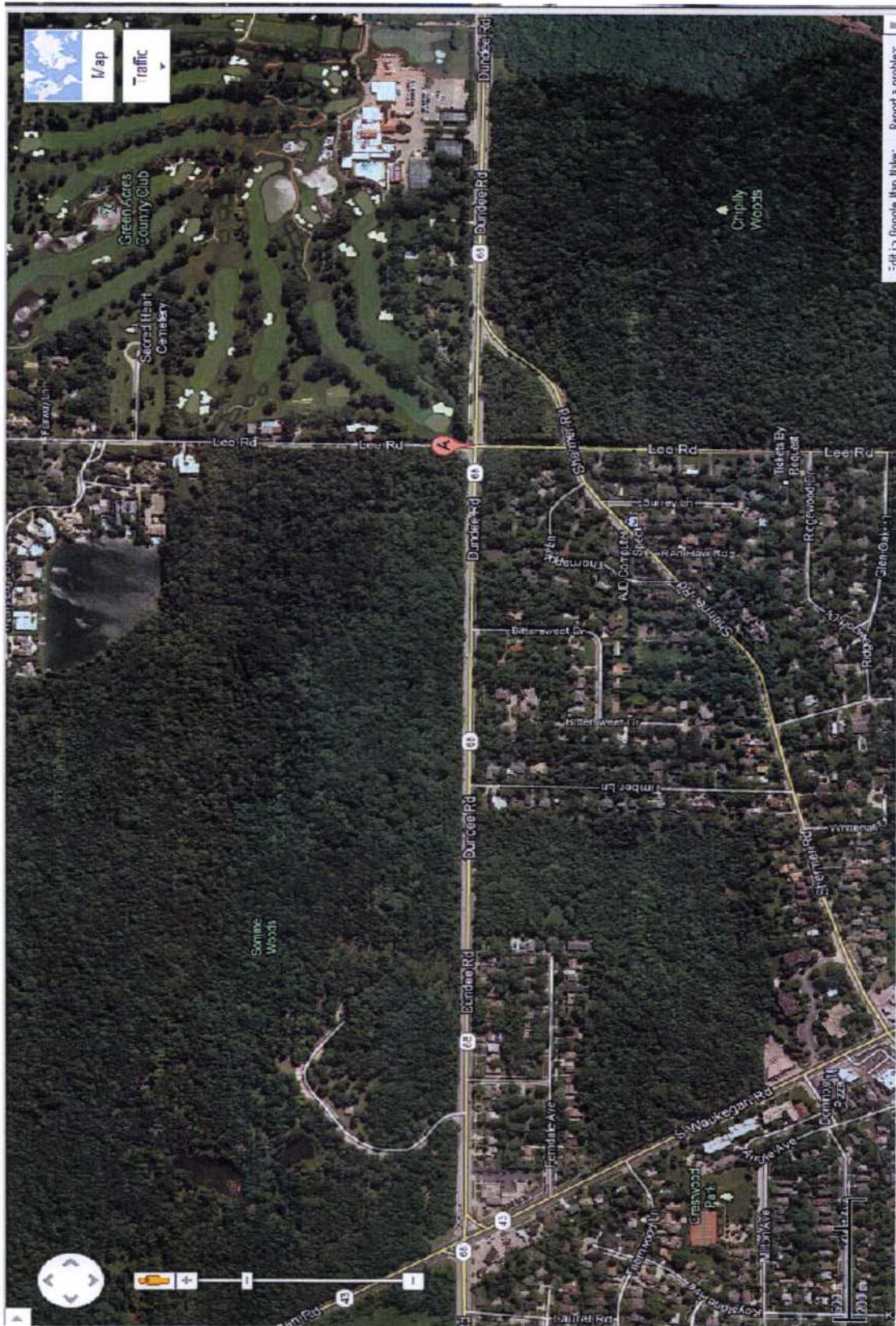
County: Cook

Project Number: P-91-502-01

Route: FAP 343

Structure Number: 016-0813

Township: Northfield



Illinois Route 68 over Middle Fork North Branch Chicago River, Northbrook, IL



Picnic Groves

SOMMIE WOODS

SKOKIE DIVISION



1 Grove Number
000 Capacity

Shelter

Unpaved Trail

Trees

Parking

NORTH

0 50 100 200 Feet

Rev. 1-2005



ATTACHMENT 4.1

Picture Log

| | | | |
|------------------------|---|------------------------|--------|
| Project: | Illinois Route 68 | County: | Cook |
| Limits: | Over Middle Fork North Branch Chicago River | | |
| Project Number: | P-91-502-01 | Target Letting: | 08CY13 |



Location: IL 68 & Lee Road intersection facing northwest.



Location: IL 68 & Lee Road intersection facing southeast.

| Picture Log | | | |
|------------------------|---|------------------------|--------|
| Project: | Illinois Route 68 | County: | Cook |
| Limits: | Over Middle Fork North Branch Chicago River | | |
| Project Number: | P-91-502-01 | Target Letting: | 08CY13 |



Location: Shermer Road at IL 68 looking south at structure over MF NB Chicago River



Location: Shermer Road looking north at structure over MF NB Chicago River



IDOT is seeking public comments on impacts that the Illinois Route 68 (Dundee Road) at Lee Road project will have on Somme Woods/Chipilly Woods which is owned and operated by the Forest Preserve District of Cook County.

The Illinois Route 68 project will impact the property at the northwest corner of the Illinois Route 68 and Lee Road intersection and the east side of Shermer Road where Shermer Road crosses the Middle Fork North Branch of the Chicago River, in the Village of Northbrook. IDOT requires the acquisition of a permanent easement in order to accommodate the replacement of the existing culvert that carries the Middle Fork North Branch of the Chicago River across the intersection of Illinois Route 68 and Lee Road. A second permanent easement is needed on the east side of Shermer Road at the Middle Fork North Branch of the Chicago River in order to maintain the existing storm sewer outlet. IDOT is seeking public comments on the acquisition of the easement at the Somme Woods and at Chipilly Woods. A temporary easement is needed on the south side of Illinois Route 68 east of Lee Road to construct the new culvert and grade for drainage. This is the first opportunity for the public to comment on the additional public land needed for this project.

Hard copies of the Section 4 (f) de minimis documentation will be provided at the following locations during normal business hours.

DATE: 06-21-12 to 07-06-12
TIME: 8:00 AM to 4:00 PM, Monday thru Friday
PLACE: Illinois Department of Transportation
Bureau of Programming
201 West Center Court
Schaumburg, IL 60196
OR
Forest Preserve District of Cook County
536 North Harlem Avenue
River Forest, IL 60305

The Section 4 (f) de minimis documentation is available on the Department's website at: http://internetdev/section_4.html

Electronic copies can be provided by emailing a request to carlos.feliciano@illinois.gov.

Written comments can be submitted at the IDOT office, mailed to the IDOT office, or submitted electronically to carlos.feliciano@illinois.gov. Comments must be received by 07-06-12 to be considered part of the public record.

This documentation will be accessible to handicapped individuals. Anyone needing special assistance should contact Carlos Feliciano at (847) 705-4106. Persons planning to visit either site to review the documents and need a sign language interpreter or other similar accommodations should notify the Department's TDD number (847)705-4710 at least five days prior.

All correspondence regarding this project should be sent to:

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

JERRY BUTLER
ALLAN C. CARR
EARLEAN COLLINS
JOHN P. DALEY
GREGG GOSLIN
CARL R. HANSEN
TED LECHOWICZ
ROBERTO MALDONADO

WILLIAM R. MORAN
JOSEPH MARIO MORENO
MIKE GUGLEY
HERBERT T. SCHUMANN, JR.
PETER N. SILVESTRI
DEBORAH SIMS
BOBBIE L. STEELE
CALVIN R. SUTKER



FOREST PRESERVE DISTRICT
of Cook County, Illinois

JOHN H. STROGER, JR. PRESIDENT

GENERAL HEADQUARTERS

536 NORTH HARLEM AVENUE, RIVER FOREST, ILLINOIS 60305
773-261-8400 / 708-366-9420 / 800-870-3666 TDD 708-771-1190

Joseph N. Nevius, GENERAL SUPERINTENDENT
BUREAU OF PROGRAMMING
RECEIVED
MARCH 11, 2002

RECEIVED

MAR 13 2002

DISTRICT #1

Mr. Patrick Pechnick
Illinois Department of Transportation
201 W Center Court
Schaumburg, IL 60196-1096

Dear Mr. Pechnick:

The Forest Preserve District (FPD) has received your correspondence dated February 22, 2002. This letter requests information in connection with the proposed improvement of the bridge carrying Dundee Road over the Middle Fork of the North Branch of the Chicago River.

In response to the questions asked in your letter I offer the following:

1. The Forest Preserve District holdings in the area of the proposed improvement are generally located south of the Edens Spur, east of Sunset Ridge Road, north of Voltz Road (extended) and west of Pfingsten Road. The District owns approximately 735± acres within these boundaries. I have enclosed a copy of the Skokie Division map with this area outlined in red.
2. The Forest Preserve District has several named recreation areas within the aforementioned boundaries. Somme Woods, Chipilly Woods, and Sunset Ridge Woods are all located in this area. The Somme Prairie Nature preserve is also located in this vicinity. This area is commonly known as part of the Forest Preserve District's North Branch Division. Please refer to the enclosed maps.
3. Fishing, bicycling, walking, jogging, bird watching and wildflower observation are some of the activities that occur in this area.
4. See #2 above and maps for existing facilities. No new facilities are planned for this area.
5. No current user counts are available for any of the aforementioned activities in this area.
6. Currently, The Forest Preserve District of Cook County manages over 68,050 acres within Cook County. (See enclosed Recreational Facilities Map) This project will take place in part of the Forest Preserve's Skokie Division. Skokie Division consists of 3,340± acres. Please refer to the enclosed maps for more information.
7. Access to this FPD property is available to vehicles, pedestrians, and bicyclists. Vehicular access is restricted to access drives and parking areas. Bicyclists are requested to stay on established trails.

8. A small parcel of FPD property located north of Dundee Road and west of Western Avenue (extended) carries Federal deed restrictions that would limit what this property is used for by the FPD. This land is well removed from the proposed project area and should have no impact on IDOT's proposed work. No other restrictions, covenants, or conditions appear in the records of the District regarding this property.

9. The Forest Preserve District has dedicated a portion of this property as an Illinois Nature Preserve. The Somme Prairie nature preserve was dedicated as a nature preserve because it contains rare and unusual plant species and prairie remnants of varying quality. The Nature Preserve area is also well removed from the project area and should not effect IDOT's proposed work

10. Enclosed you will find one (1) copy of the maps for Skokie Division and the District's Recreational Facilities Map.

I hope this information answers all your questions. If you have additional questions please feel free to contact me.

Sincerely,

A handwritten signature in cursive script that reads "Daniel E. Weber". The signature is written in dark ink and is positioned to the left of the typed name.

Daniel E. Weber
Real Estate and License Engineer

DEW:dw

cc: File



Illinois Department of Transpo

Division of Highways/Region One / District One
201 West Center Court/Schaumburg, Illinois 60196-1096

Project and Environmental Studies
Illinois Route 68 (Dundee Road)
Over Middle Fork North Branch Chicago River
Cook County

November 28, 2006

Mr. Steven M. Bylina
General Superintendent
Cook County Forest Preserve
536 North Harlem Avenue
River Forest, IL 60305

Dear Mr. Bylina:

As you know, the Illinois Department of Transportation is in the process of preparing preliminary engineering studies for the improvement of Illinois Route 68 (Dundee Road) over the Middle Fork of the North Branch of the Chicago River (at Lee Road) in the Village of Northbrook. The improvement is currently included for construction in our Fiscal Year 2007-2012 Proposed Highway Improvement Program, pending fund availability and project readiness. A location map of the project site is included for your reference. The scope of work generally consists of replacement of the existing structure, raising the profile, widening, resurfacing, and drainage improvements.

After our meeting on February 7, 2005, the Department presented various alternatives for the proposed improvement at the Village of Northbrook Board Meeting on January 17, 2006. During the meeting the residents and board expressed the most support for an alternate that minimizes ROW impacts and changes to the roadway's elevation.

The Department performed a detailed review and has developed an alternative to provide a wider, 36-foot-wide by 9-foot-high, single span structure instead of the originally proposed 32-foot-wide by 10-foot-high structure. This will reduce the profile raise by one foot. Preliminary right-of-way (ROW) requirements for the project have been determined based on the revised roadway profile as highlighted in pink on the enclosed plan sheets. The preliminary ROW requirements include property from the Cook County Forest Preserve.

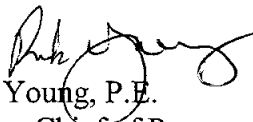
Mr. Steven . Bylina
November 28, 2006
Page 2

In addition a site for compensatory storm water storage was identified. The most viable site is located on CCFPD property, south of the Shermer Road Bridge as shown in blue. Please review the exhibit and provide your comments regarding the proposed ROW and site for the compensatory storage within the Forest Preserve Area. Once we are assured that the Forest Preserve District has no major concerns, we will schedule another meeting with the Northbrook Village Board and local residents to present the revised preliminary geometry.

If you have any questions or need additional information, please contact Piyush B. Desai, Project Manager, at (847) 705-4074.

Very truly yours,

Diane M. O'Keefe, P.E.
Deputy Director of Highways,
Region One Engineer

By: 
Rick Young, P.E.
Bureau Chief of Programming

Enclosure

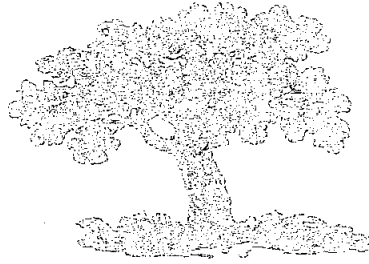
cc: Mr. Daniel Weber, Cook County Forest Preserve District
Mr. Wally Kos, P.E., Cook County Highway Department (memo only)

bcc: Brian Carlson, Program Development (memo only)
Rick Wojcik, Hydraulics Section
Mark Martin, Bureau of Land Acquisition (memo only)
Sam Mead, Environmental Unit (memo only)
Beth Giarelli, Project Engineer

S:\WP\p&es\INHSE\PD\502 01 CCFPD ROW 07 19 06 docRev. September 18, 2006.

AG 3/10/07
The Board of Commissioners

| | |
|----------------------------|----------------------|
| WILLIAM BEAVERS | JOSEPH MARIO MORENO |
| JERRY BUTLER | JOAN P. MURPHY |
| FORREST CLAYPOOL | ANTHONY J. PERAICA |
| EARLEAN COLLINS | MIKE QUIGLEY |
| JOHN P. DALEY | TIMOTHY O. SCHNEIDER |
| ELIZABETH ANN DOODY GORMAN | PETER N. SILVESTRI |
| GREGG GOSLIN | DEBORAH SIMS |
| ROBERTO MALDONADO | LARRY SUFFREDIN |



FOREST PRESERVE DISTRICT
of Cook County, Illinois

GENERAL HEADQUARTERS

TODD H. STROGER PRESIDENT

536 NORTH HARLEM AVENUE, RIVER FOREST, ILLINOIS 60305
773-261-8400 / 708-366-9420 / 800-870-3666 TDD 708-771-1190

Steven M. Bylina, Jr., GENERAL SUPERINTENDENT

February 26, 2007

Piyush B. Desai, Project Manager
Illinois Department of Transportation
201 West Center Court
Schaumburg, IL 60196-1096

Dear Mr. Desai:

The Forest Preserve District (FPD) has received your correspondence dated November 28, 2006. This letter concerns a proposed improvement to the structure that carries Illinois Route 68 (Dundee Road) over the Middle Fork of the North Branch of the Chicago River (Middle Fork).

The FPD has reviewed the plans attached to the correspondence and assumes that IDOT has kept the amount of new permanent easement area required from the FPD to a minimum. If this assumption is correct than the FPD's staff is satisfied with the proposed right of way requirements as presented. The final decision concerning the granting of any requested easements rests with the Board of Forest Preserve District Commissioners.

In the aforementioned letter IDOT is also requesting authority to place a compensatory storage site on FPD property. The requested location for the storage site is south of Shermer Road extending westerly from the Middle Fork. This area is heavily vegetated and the FPD will not allow the placement of the requested storage site on FPD property.

I hope this information answers all your questions. If you have additional questions or require additional information please contact me at 708-771-1192.

Sincerely,

Daniel E. Weber
Real Estate and License Engineer

DEW:dw
cc: File

BUREAU OF PROGRAMMING
RECEIVED

MAR 1 2007

DISTRICT #1

Feliciano, Carlos A

From: Feliciano, Carlos A
Sent: Monday, September 13, 2010 1:49 PM
To: 'John Sterenberg (FPDCC)'
Cc: Masouridis, Eleftherios P; Giarelli, Beth A; Jasmine, Sherletha A; Baczek, John A; Ruiz, Vanessa V; Mead, Sam M
Subject: FPDCC Meeting September 14th
Attachments: ILLINOIS ROUTE 171 september coordination.docx; IL68 Summary of Coordination 9-9-10.docx

John, attached are two documents that summarize the coordination history of the projects in preparation for tomorrow's meeting. Please forward to your people at FPDCC for their information as well. We'll see you tomorrow.

Thank you for your time,

Carlos A. Feliciano, P.E.

IDOT District One - Bureau of Programming
Project & Environmental Studies

☎ (847) 705-4676 (T) / 📠 (847) 705-4159 (F)

Email: Carlos.Feliciano@illinois.gov

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Illinois Route 68 over Middle Fork North Branch Chicago River
P-91-502-01

September 14, 2010

Scope of Work:

The existing structure (SN 016-0813) carrying Illinois Route 68 over the Middle Fork of the North Branch of the Chicago River at Lee Road is a double barrel, 8 foot by 11.5 foot concrete box culvert. The culvert, built in 1938, is nearing its design life of 75 years and has been posted for legal loads only. The structure does not meet hydraulic requirements for freeboard, and occasionally experiences debris accumulation, particularly at the middle wall of the box culvert. This has resulted in occasional flooding/pavement overtopping of Lee Road.

The project scope will propose to remove and replace the box culvert that runs from northwest to southeast across the intersection of Illinois Route 68 with Lee Road. One of the alternatives being considered was to raise the roadway profile elevation at the culvert by approximately 3 feet to meet hydraulic requirements. However, after finding no suitable locations for the compensatory storage that would be required with the profile raise, IDOT will replace the culvert in kind and the roadway profile will remain the same.

Coordination Summary:

02-22-02: IDOT sent initial letter to Forest Preserve District of Cook County (FPDCC) requesting information on their properties in area of the project.

02-26-02: IDOT sent initial letter to Village of Northbrook.

03-01-02: Letter from FPDCC with general information received.

05-28-02: Village of Northbrook sent letter to IDOT requesting that the sidewalk on the south side of Illinois Route 68 be 8 feet wide to accommodate 2-way bicycle traffic.

06-26-02: IDOT sent letter to Village of Northbrook informing them there may be cost participation involved in provide 8-foot sidewalk.

07-09-02: Village of Northbrook sent letter to IDOT regarding cost participation and stated at a minimum the 5-foot existing sidewalk should remain.

02-17-05: Meeting held with IDOT, FPDCC, and Cook County Highway Department (CCHD) to discuss preliminary geometry.

06-07-05: Letter from FPDCC concurring with Meeting Minutes from 02-17-05 in favor of closing portion of Shermer Road.

01-17-06: IDOT presented three alternatives to replace the existing culvert at the Village of Northbrook Board Meeting. Alternative A was to replace in kind. Alternative B was to construct a new culvert and raise the roadway profile. Alternative C was to construct a new culvert and raise the roadway profile. Alternative C also included signaling the intersection of Illinois Route 68 and Lee Road and removing the section of Shermer Road between Illinois Route 68 and Lee Road. The Village did not want to close Shermer Road and were against Alternative C. The Village requested more information on where the compensatory storage would be for Alternative B.

11-28-06: IDOT sent letter to FPDCC with preliminary ROW requirements and a request for compensatory storage on FPDCC property.

02-26-07: FPDCC responded that the ROW requested appeared reasonable; however, the FPDCC would not allow the placement of compensatory storage on FPDCC property.

04-20-07: IDOT Hydraulics Unit sent letter to Metropolitan Water Reclamation District of Greater Chicago (MWRDGC) requesting to add compensatory storage to the Middle Fork North Branch Chicago River Reservoir (Northbrook) in the vicinity of the project area.

05-15-07: MWRDGC responded that Public Act 93-1049, through which the District's Storm Water Management Authority was granted required a detailed watershed plan. The detailed watershed plan was not started for this for the North Branch of the Chicago River and would take approximately 2 years to complete and therefore, they could not accommodate the compensatory storage our project would need.

03-11-08: IDOT met with the Village of Northbrook and Jacobs Homes to discuss the development of a new condominium complex on the north side of Illinois Route 68 at Shermer Road and see if it was possible to put compensatory storage into the new development.

02-10-10: IDOT requested de minimis processing of the 4(f) land at the northwest quadrant of Illinois Route 68 and Lee Road at the monthly FHWA coordination meeting. It was decided to coordinate with the FPDCC and ask for de minimis processing of the 4(f) land needed for the permanent easement.

04-14-10: The FHWA reviewed the de minimis documentation and authorized IDOT to coordinate the document with FPDCC for their concurrence.

06-18-10: IDOT sent letter to FPDCC requesting Section 4(f) land acquisition in form of a permanent easement at the northwest quadrant of Illinois Route 68 and Lee Road intersection.



Illinois Department of Transpo

Division of Highways/Region One / District One
201 West Center Court/Schaumburg, Illinois 60196-1096

Project and Environmental Studies
Illinois Route 68 (Dundee Road)
Over the Middle Fork North Branch Chicago River
Cook County

June 18, 2010

Mr. Steven M. Bylina
General Superintendent
Forest Preserve District of Cook County
536 North Harlem Avenue
River Forest, IL 60305

Dear Mr. Bylina:

As you may be aware, the Illinois Department of Transportation (Department) is currently finalizing preliminary engineering and environmental studies for the improvement of Illinois Route 68 (Dundee Road) over the Middle Fork North Branch of the Chicago River in the Village of Northbrook, Cook County. A location map is attached for your reference. This improvement is currently included for construction in the Department's Fiscal Year 2011-2016 Proposed Highway Improvement Program, pending fund availability and project readiness. The scope of work for this project will generally consist of culvert removal and replacement.

The Department will require a small acquisition from Somme Woods, a Section 4(f) land, for the purpose of roadway improvements. The Forest Preserve District of Cook County (FPDCC) maintains jurisdictional authority over this preserve. While efforts were made to minimize the impact to the forest preserve properties, an acquisition in the form of permanent easement is needed at the northwest quadrant of the Illinois Route 68 and Lee Road intersection. The permanent easement is needed to remove the existing culvert and construct, as well as maintain the new headwall.

The Department sent a letter with preliminary ROW requirements and a request for compensatory storage on FPDCC property to the FPDCC on November 28, 2006. On February 26, 2007 the FPDCC responded that the ROW request appeared reasonable, however, the FPDCC would not allow the placement of compensatory storage on FPDCC property. After finding no suitable locations for compensatory storage, the scope of work was revised to eliminate raising the roadway profiles. Therefore the ROW requirements were adjusted accordingly. The additional right-of-way acquisition was minimized by replacing the existing culvert without increasing the culvert size or raising the roadway profile. The total acreage of permanent easement being acquired from Somme Woods is 0.11 acres.

Mr. Steven M. Bylina
June 18, 2010
Page 2

The Department believes that the transportation improvement impacts to the FPDCC owned land qualifies for the use of the de minimis provision since the transportation use of the Section 4(f) resource does not adversely affect the activities, features, and attributes that qualify the resource for protection under Section 4(f). The Federal Highway Administration has evaluated the impacts and has determined that the impacts qualify for a de minimis processing.

The purpose of this letter is to transmit to you a copy of the Section 4(f) De Minimis documentation. After your review and concurrence with the documentation, we will be placing a newspaper ad to allow the public to review and comment on the effects of the project on the Section 4(f) property. The notice will allow the public to review the documentation at our offices or review the copy of the documentation being transmitted to you at this time in the Forest Preserve District of Cook County (FPDCC) office.

Please review the enclosed Section 4(f) de minimis documentation for a more detailed description of Section 4(f) properties that will be affected. We would appreciate it if you could respond with your comments and/or concurrence at your earliest convenience.

If you have any questions or need additional information, please contact me or Mr. Carlos Feliciano, Interim Project Manager, at (847) 705-4676.

Very truly yours,



Diane M. O'Keefe, P.E.
Deputy Director of Highways,
Region One Engineer

Enclosure

Prepared By: Mr. Carlos Feliciano, Ext. 4676
Bureau of Programming

S:\Gen\WP\p&es\INHSE\Projects- Active\IL 68 at MFNB Chicago River\Environmental\DeMinimis Section 4\Forest Preserve - 4f - De Minimis Letter - FPDCC 2-16-10.docx



Illinois Department of Transportation

Division of Highways/Region One / District One
201 West Center Court/Schaumburg, Illinois 60196-1096

February 10, 2012

Ms. Toni Preckwinkle
President of the Cook County Board
Cook County
118 North Clark Street, Room 537
Chicago, IL 60602

Dear Ms. Preckwinkle:

The Illinois Department of Transportation (Department) is currently finalizing preliminary engineering and environmental studies for the improvement of Illinois Route 68 (Dundee Road) over the Middle Fork North Branch Chicago River in the Village of Northbrook, Cook County. A location map is attached for your reference. This improvement is included in the Department's Fiscal Year 2012-2017 Proposed Highway Improvement Program. Our current engineering efforts are targeted to enable a contract letting in the early portion of our current multi-year program contingent upon plan readiness, land acquisition, and funding availability through our future annual legislative appropriations. The proposed improvement is anticipated to consist of culvert removal and replacement.

The Department will require a small acquisition from Somme Woods and from Chipilly Woods, Section 4(f) lands, for the purpose of roadway improvements. The Forest Preserve District of Cook County (FPDCC) maintains the jurisdictional authority over this preserve. While efforts were made to minimize the impact to forest preserve properties, four easements will be needed to replace the culvert. Two permanent easements and two temporary easements are needed to complete the project. A permanent easement, at the northwest quadrant of the Illinois Route 68 and Lee Road intersection (Somme Woods), is needed to remove, replace, and maintain the culvert. The second permanent easement, on the east side of Shermer Road at the structure over the Middle Fork North Branch Chicago River (Chipilly Woods), is needed to maintain the existing storm sewer outfall. A temporary easement, on the south side of Illinois Route 68 east of Lee Road (Chipilly Woods), is needed to build gabion walls and grade along the culvert. The second temporary easement, at the southwest quadrant of Illinois Route 68 and Lee Road, is needed to complete storm sewer work required by the replacement of the existing culvert.

The impacts to the FPDCC owned land qualifies for the use of the De Minimis provision since the transportation use of the Section 4(f) resource does not adversely affect the activities, features, and attributes that qualify the resource for protection under Section 4(f). The Federal Highway Administration has evaluated the impacts and has determined that the impacts qualify for a De Minimis processing.

Ms. Toni Preckwinkle
February 10, 2012
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The purpose of this letter is to transmit to you a copy of the **revised** Section 4(f) De Minimis documentation. The total acreage of permanent easement being acquired from Somme Woods at the northwest quadrant of Illinois Route 68 and Lee Road is 0.18 acres. The total acreage of permanent easement being acquired from Chipilly Woods on the east side of Shermer Road is 0.08 acres, and the total acreage of the two temporary easements being acquired from Chipilly Woods on the south side of Illinois Route 68 east and west of Lee Road is 0.14 acres. After your review and concurrence with the documentation, we will be placing a newspaper ad to allow the public to review and comment on the effects of the project on the Section 4(f) property. The notice will allow the public to review the documentation at our offices or review the copy of the documentation being transmitted to you at this time in the FPDCC office.

If you have any questions or need additional information, about the project or Section 4(f) impacts, please contact me or Mr. Carlos A. Feliciano, Acting In-House Unit Head, at (847) 705-4106.

Very truly yours,



Diane M. O'Keefe, P.E.
Deputy Director of Highways,
Region One Engineer

Enclosure

cc: John Sterenberg

bcc: Diane O'Keefe
John Fortmann

Prepared By: Beth Giarelli, Ext. 4718
Bureau of Programming

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LAND USE REQUEST

INFORMATION FORM

1. Please describe in detail the nature of your request, including, but not limited to:
 - a) Plans depicting and describing the manner in which you intend to alter District property.

The preliminary Proposed Plan & Profile Sheets are attached. The area requested in the northwest quadrant of the Illinois Route 68 and Lee Road intersection is needed to remove and replace the existing culvert. The area requested on the east side of Shermer Road at the structure over the Middle Fork North Branch Chicago River is needed to maintain the existing storm sewer outlet to the river. The total area requested for the two permanent easements (P.E.) is 0.26 acres. The area requested on the south side of Illinois Route 68 east of Lee Road is to construct the replaced culvert and gabion walls along with grading for drainage purposes. The area at the southwest quadrant of Illinois Route 68 and Lee Road is needed to complete sewer work required by replacing the existing culvert. The total area requested for the two temporary easements (T.E.) is 0.14 acres.

- b) Any and all physical improvements, and structures to be built.

The existing double barrel box culvert that runs from northwest to southeast under the intersection of Illinois Route 68 and Lee Road will be removed and replaced. The existing structure was built in 1938 and due to low sufficiency, operating, and inventory ratings the only option is complete replacement. A 32 foot by 6 foot three-sided structure will be constructed in the same location as the existing culvert, with a slight realignment to better align with the existing North Branch Chicago River to minimize scour and flooding.

- c) The useful life of the improvements, if any, to be built on District property.

The typical design life of a bridge/culvert is 75 years. The existing culvert was built in 1938 and is nearing the design life of 75 years.

- d) The plan for maintenance of the improvement during the useful life of the improvement.

The Department inspects the structures every two years to determine if any maintenance is required. The proposed permanent easement will allow for this regular maintenance.

2. Please provide detailed maps or plat(s) detailing the location and dimensions of the area that will be impacted by the proposed request. Please include information for both the construction and operation phases of the project.

See attached plans. IDOT's preliminary construction phasing is expected to be performed by detouring Illinois Route 68 traffic. The eastbound Illinois Route 68 traffic will be detoured north on Illinois Route 43, east on Lake-Cook Road and south on Skokie Boulevard back to Illinois Route 68. Westbound Illinois Route 68 traffic will take the reverse trip. IDOT will utilize a precast concrete structure to minimize interruptions

to the traveling public and construction time. This construction phasing is preliminary and is subject to change during a more detailed Phase II (Design and Contract Plan Preparation) evaluation.

3. Please describe, in detail, the manner in which the District will benefit from your proposed request.

The existing culvert is an 8' x 11.5' double barrel box culvert. The replacement culvert proposed is a 32' x 6' three sided structure. The existing structure experiences debris accumulation due to the middle wall in the culvert which contributes to overtopping/flooding of the roadway and adjacent Forest Preserve property. Debris accumulation and therefore overtopping/flooding would be reduced with the elimination of the middle wall of the structure. Additionally, improvements to the existing culvert will benefit the safety of Forest Preserve patrons in the area. The existing culvert lies within FPD property, acquisition of permanent easements will ensure that IDOT has access to future inspection and maintenance activities.

4. Please describe, in detail, the manner in which the public will benefit from this proposed request.

As stated above, the use of a three-sided culvert versus a double barrel box culvert will eliminate the middle wall of the structure where debris can accumulate. Therefore, there should be less overtopping/flooding of the roadway which will increase safety for the traveling public and safety of the FPD patrons.

5. Please describe, in detail, which alternatives, if any, have been considered other than the use or acquisition of an ownership interest of District land and why such alternatives are not feasible or practical.

IDOT initially considered a 36'x9' three sided culvert that would have required the roadway to be raised over 3 feet to meet drainage standards; however, after coordinating with the FPDCC and not being able to find a suitable compensatory storage in the project area, that plan was deemed not feasible. Replacement In-Kind would not address the debris accumulation and consequent flooding; therefore, IDOT revised the proposed scope of work to replacement of the culvert structure with a three sided structure and keep the existing roadway profile and typical section to avoid acquiring compensatory storage for fill in the floodplain. The reconstruction of Lee Road, included as part of this improvement, will be limited to two 12-foot lanes with 3-foot shoulders and the typical section along Illinois Route 68 will remain as two 11-foot inside lanes and two 10-foot outside lanes to minimize impacts to the FPDCC land. These dimensions are below the recommended/desired dimensions according to our policy. The existing culvert is surrounded by FPDCC property. In addition, based on available information, a small portion of the existing culvert and existing storm sewer outlet may already encroach on FPDCC property. Therefore, avoidance of FPDCC property is not feasible.

6. Please indicate whether all alternatives to the proposed use or acquisition of an interest in District land have been exhausted.

All culvert replacement alternatives to the proposed permanent easement have been exhausted and the area of acquisition has been kept to the minimum in order to construct the replacement culvert.

Giarelli, Beth A

From: Feliciano, Carlos A
Sent: Friday, April 13, 2012 6:38 AM
To: 'John Sterenberg (Forest Preserve District)'
Subject: RE: Easement Requests

John, Barrington at Bode Road does not have any expected tree impacts. IL68 over the Middle Fork Branch has approximately 86 trees (4" dbh or greater) which exist on FPDCC property within the proposed project limits. From that number 76 living and 10 dead trees will be impacted as part of the proposed improvement. Based on the FPDCC Tree Mitigation Plan dated 3-21-07 the estimated value of all trees on FPDCC property to be removed is \$158, 109. Let me know if you need any additional information.

Carlos

From: John Sterenberg (Forest Preserve District) [<mailto:john.sterenberg@cookcountyil.gov>]
Sent: Wednesday, March 21, 2012 10:42 AM
To: Feliciano, Carlos A
Subject: Easement Requests

RE: Barrington Road at Bode Road
Route 68 over Middle Fork North Branch Chicago River

Carlos:

FPDCC staff have reviewed the easement requests for the above projects and plan to recommend approval, however there is a concern regarding tree removal. Please identify any trees to be removed as to size and species or, if it is the case, a statement that no trees will be removed in connection with the project(s).

Contact me if you have any questions.

John Sterenberg
Licensed Surveyor for Land Use Compliance

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

P 708-771-1192
F 708-771-1360
C 708-906-3759

ILLINOIS ROUTE 68 OVER MF NB CHICAGO RIVER P-91-502-01

SURVEY AND COST ANALYSIS OF TREE REMOVAL FROM FOREST PRESERVE DISTRICT OF COOK COUNTY (FPDCC)

| Lee Rd | NUMBER ON SURVEY | STATION | OFFSET FEET | DIAMETER SIZE* INCH. | TYPE | RECOMMENDED ACTION*** | IMPACT**** | CROSS-SECTAREA (3.14*R²) | Cost per Sq. In (\$) | Multiplier (Table A) | LOC. MULT. | COND. MULT. | COST |
|--------|------------------|-----------|-------------|----------------------|------------------|-----------------------|----------------------|--------------------------|----------------------|----------------------|------------|-------------|-----------|
| 1 | 506 | 101+07.29 | 73.3 LT | 12.0 | Box elder | Remove | inside perm easement | 113.04 | 71 | 0.5 | 0.65 | 0.65 | 1695.46 |
| 2 | 507 | 101+06.26 | 56.0 LT | 12.0 | Box elder | Remove | inside perm easement | 113.04 | 71 | 0.5 | 0.65 | 0.65 | 1695.46 |
| 3 | 508 | 101+06.92 | 53.8 LT | 10.0 | Box elder | Remove | inside perm easement | 78.50 | 71 | 0.5 | 0.65 | 0.65 | 1177.40 |
| 4 | 509 | 101+07.3 | 40.7 LT | 8.0 | Box elder | Remove | inside perm easement | 50.24 | 71 | 0.5 | 0.65 | 0.65 | 753.54 |
| 5 | 510 | 101+09.43 | 38.0 LT | 8.0 | Box elder | Remove | inside perm easement | 50.24 | 71 | 0.5 | 0.65 | 0.65 | 753.54 |
| 6 | 513 | 100+97.6 | 33.2 LT | 10.0 | Red ash | Remove | inside perm easement | 78.50 | 71 | 1 | 0.65 | 0.65 | 2354.80 |
| 7 | 514 | 100+88.39 | 47.4 LT | 8.0 | Black walnut | Remove | inside perm easement | 50.24 | 71 | 1 | 0.65 | 0.65 | 1507.07 |
| 8 | 515 | 100+82.45 | 47 LT | 20.0 | Black willow | Remove | inside perm easement | 314.00 | 71 | 0.75 | 0.65 | 0.65 | 7064.41 |
| 9 | 516 | 100+90.28 | 59.1 LT | 10.0 | Box elder | Remove | inside perm easement | 78.50 | 71 | 0.5 | 0.65 | 0.65 | 1177.40 |
| 10 | 519 | 101+04.39 | 97.8 LT | 8.0 | Norway maple | Remove | inside perm easement | 50.24 | 71 | 0.2 | 0.65 | 0.65 | 301.41 |
| 11 | 520 | 100+97.89 | 99.3 LT | 9.0 | American elm | Remove | inside perm easement | 63.59 | 71 | 0.75 | 0.65 | 0.65 | 1430.54 |
| 12 | 521 | 100+87.66 | 107.1 LT | 4.0 | Red ash | Remove | inside perm easement | 12.56 | 71 | 1 | 0.65 | 0.65 | 376.77 |
| 13 | 522 | 100+87.42 | 107.1 LT | 4.0 | Red ash | Remove | inside perm easement | 12.56 | 71 | 1 | 0.65 | 0.65 | 376.77 |
| 14 | 523 | 100+86.52 | 100.9 LT | 40.0 | Black Willow | Remove | inside perm easement | 1256.00 | 71 | 0.75 | 0.65 | 0.65 | 28257.65 |
| 15 | 524 | 100+75.18 | 61.6 LT | 16.5 | Dead | Remove | inside perm easement | 213.72 | 71 | 0 | 0.65 | 0.65 | 0.00 |
| 16 | 525 | 101+02.39 | 112.0 LT | 18.0 | Box elder | Remove | inside perm easement | 254.34 | 71 | 0.5 | 0.65 | 0.65 | 3814.78 |
| 17 | 526 | 100+96.48 | 124.8 LT | 6.0 | Red ash | Remove | inside perm easement | 28.26 | 71 | 1 | 0.65 | 0.65 | 847.73 |
| 18 | 527 | 100+91.6 | 119.8 LT | 6.5 | American elm | Remove | inside perm easement | 33.17 | 71 | 0.75 | 0.65 | 0.65 | 746.18 |
| 19 | 528 | 100+89.58 | 114.9 LT | 8.0 | American elm | Remove | inside perm easement | 50.24 | 71 | 0.75 | 0.65 | 0.65 | 1130.31 |
| 20 | 967 | 98+79.04 | 32.1 LT | MS | Dead | Remove | inside perm easement | 0.00 | 71 | 0 | 0.65 | 0.65 | 0.00 |
| 21 | 967 A | 98+79.04 | 32.1 LT | 4.0 | Green Ash | Remove | inside perm easement | 12.56 | 71 | 1 | 0.65 | 0.65 | 376.77 |
| 22 | 971 | 98+45.15 | 31.6 LT | MS | Green ash | Remove | inside perm easement | 0.00 | 71 | 1 | 0.65 | 0.65 | 0.00 |
| 23 | 972 | 98+46.74 | 32.4 LT | 6.0 | American elm | Remove | inside perm easement | 28.26 | 71 | 0.75 | 0.65 | 0.65 | 635.80 |
| 24 | 973 | 98+40.14 | 20.2 LT | 10.0 | American elm | Remove | inside perm easement | 78.50 | 71 | 0.75 | 0.65 | 0.65 | 1766.10 |
| 25 | 974 | 98+35.33 | 29.9 LT | 5.0 | American elm | Remove | inside perm easement | 19.63 | 71 | 0.75 | 0.65 | 0.65 | 441.53 |
| 26 | 979 | 98+16.65 | 34.5 LT | 15.0 | American elm | Remove | inside perm easement | 176.63 | 71 | 0.75 | 0.65 | 0.65 | 3973.73 |
| 27 | 980 | 98+20.64 | 34.8 LT | MS | Common buckthorn | Remove | inside perm easement | 0.00 | 71 | 0 | 0.65 | 0.65 | 0.00 |
| 28 | 981 | 98+00.90 | 32.3 LT | 12.0 | American elm | Remove | inside perm easement | 113.04 | 71 | 0.75 | 0.65 | 0.65 | 2543.19 |
| | | | | | | | | | | | | | 65,198.33 |
| | | | | | | | | | | | | | TOTAL |

| SURVEY AND COST ANALYSIS OF TREE REMOVAL FROM FOREST PRESERVE DISTRICT OF COOK COUNTY (FPDCC) | | | | | | | | | | | | | |
|---|------------------|----------|-------------|----------------------|------------------|-----------------------|----------------------|---|----------------------|----------------------|------------|-------------|-----------|
| IL 68 | NUMBER ON SURVEY | STATION | OFFSET FEET | DIAMETER SIZE* INCH. | TYPE | RECOMMENDED ACTION*** | IMPACT**** | CROSS-SECTIONAL AREA (3.14*R ²) | Cost per Sq. In (\$) | Multiplier (Table A) | LOC. MULT. | COND. MULT. | COST |
| | | | | | | | | | | | | | |
| 29 | 579 | 19+65.22 | 69.0 RT | 14.0 | Green ash | Remove | inside temp easement | 153.86 | 71 | 1 | 0.65 | 0.65 | 4615.42 |
| 30 | 580 | 19+71.04 | 60.1 RT | MS | American elm | Remove | inside temp easement | 0.00 | 71 | 0.75 | 0.65 | 0.65 | 0.00 |
| 31 | 582 | 19+59.1 | 66.0 RT | 10.0 | American elm | Remove | inside temp easement | 78.50 | 71 | 0.75 | 0.65 | 0.65 | 1766.10 |
| 32 | 583 | 19+45.56 | 60.3 RT | 5.0 | American elm | Remove | inside temp easement | 19.63 | 71 | 0.75 | 0.65 | 0.65 | 441.53 |
| 33 | 584 | 19+49.86 | 53.6 RT | 6.0 | American elm | Remove | inside temp easement | 28.26 | 71 | 0.75 | 0.65 | 0.65 | 635.80 |
| 34 | 585 | 19+39.89 | 61.7 RT | MS | Green ash | Remove | inside temp easement | 0.00 | 71 | 1 | 0.65 | 0.65 | 0.00 |
| 35 | 586 | 19+37.65 | 60.1 RT | 12.0 | Green ash | Remove | inside temp easement | 113.04 | 71 | 1 | 0.65 | 0.65 | 3390.92 |
| 36 | 964 | 19+69.28 | 95.4 RT | 21.0 | Green ash | Remove | inside temp easement | 346.19 | 71 | 1 | 0.65 | 0.65 | 10384.68 |
| 37 | 678 | 20+89.07 | 95.4 RT | 14.0 | Green ash | Remove | inside temp easement | 153.86 | 71 | 1 | 0.65 | 0.65 | 4615.42 |
| 38 | 679 | 20+80.89 | 96.1 RT | 7.0 | Green ash | Remove | inside temp easement | 38.47 | 71 | 1 | 0.65 | 0.65 | 1153.85 |
| 39 | 680 | 20+80.28 | 90.4 RT | MS | Dead | Remove | inside temp easement | 0.00 | 71 | 0 | 0.65 | 0.65 | 0.00 |
| 40 | 681 A | 20+64.85 | 93.4 RT | 5.0 | Green ash | Remove | inside temp easement | 19.63 | 71 | 1 | 0.65 | 0.65 | 588.70 |
| 41 | 684 | 20+55.01 | 92.8 RT | 6.0 | Green ash | Remove | inside temp easement | 28.26 | 71 | 1 | 0.65 | 0.65 | 847.73 |
| 42 | 693 | 20+30.32 | 97.2 RT | MS | Common buckthorn | Remove | inside temp easement | 0.00 | 71 | 0 | 0.65 | 0.65 | 0.00 |
| 43 | 786 | 21+25.38 | 87.8 RT | MS | Common buckthorn | Remove | inside temp easement | 0.00 | 71 | 0 | 0.65 | 0.65 | 0.00 |
| 44 | 787 | 21+27.86 | 89.5 RT | MS | Green ash | Remove | inside temp easement | 0.00 | 71 | 1 | 0.65 | 0.65 | 0.00 |
| 45 | 809 | 22+11.46 | 88.4 RT | 10.0 | Dead | Remove | inside temp easement | 78.50 | 71 | 0 | 0.65 | 0.65 | 0.00 |
| 46 | 815 | 22+42.18 | 96.3 RT | 9.0 | Dead | Remove | inside temp easement | 63.59 | 71 | 0 | 0.65 | 0.65 | 0.00 |
| 47 | 816 | 22+28.46 | 93.7 RT | MS | Green ash | Remove | inside temp easement | 0.00 | 71 | 1 | 0.65 | 0.65 | 0.00 |
| 48 | 818 | 22+25.57 | 88.4 RT | MS | Green ash | Remove | inside temp easement | 0.00 | 71 | 1 | 0.65 | 0.65 | 0.00 |
| 49 | 824 | 22+57.06 | 96.3 RT | 8.0 | Green ash | Remove | inside temp easement | 50.24 | 71 | 1 | 0.65 | 0.65 | 1507.07 |
| 50 | 827 | 22+74.23 | 97.1 RT | 8.5 | Box elder | Remove | inside temp easement | 56.72 | 71 | 0.5 | 0.65 | 0.65 | 850.67 |
| 51 | 828 | 22+76.64 | 92.4 RT | 6.0 | Dead | Remove | inside temp easement | 28.26 | 71 | 0 | 0.65 | 0.65 | 0.00 |
| 52 | 841 | 22+98.8 | 89.0 RT | 6.0 | Green ash | Remove | inside temp easement | 28.26 | 71 | 1 | 0.65 | 0.65 | 847.73 |
| 53 | 844 | 23+03.77 | 87.8 RT | 10.0 | Dead | Remove | inside temp easement | 78.50 | 71 | 0 | 0.65 | 0.65 | 0.00 |
| 54 | 847 | 23+12.67 | 88.6 RT | 12.0 | Green ash | Remove | inside temp easement | 113.04 | 71 | 1 | 0.65 | 0.65 | 3390.92 |
| 55 | 852 | 23+20.32 | 96.3 RT | MS | Black locust | Remove | inside temp easement | 0.00 | 71 | 0.2 | 0.65 | 0.65 | 0.00 |
| | | | | | | | | | | | | TOTAL | 35,036.54 |

| ILLINOIS ROUTE 68 OVER MF NB CHICAGO RIVER P-91-502-01 | | | | | | | | | | | | | |
|---|------------------|----------|--------------|-----------------------|--------------|------------------------|----------------------|---------------------------------|----------------------|----------------------|------------|-------------|---------|
| SURVEY AND COST ANALYSIS OF TREE REMOVAL FROM FOREST PRESERVE DISTRICT OF COOK COUNTY (FPDCC) | | | | | | | | | | | | | |
| IL 68 | NUMBER ON SURVEY | STATION | OFFSE T FEET | DIAMETE R SIZE* INCH. | TYPE | RECOMMENDE D ACTION*** | IMPACT**** | CROSS-SECTIONA L AREA (3.14*R²) | Cost per Sq. In (\$) | Multiplier (Table A) | LOC. MULT. | COND. MULT. | COST |
| | 56 | 23+26.91 | 192.6 RT | 15.0 | Black locust | Remove | inside temp easement | 176.63 | 71 | 0.2 | 0.65 | 0.65 | 1059.66 |
| | 57 | 23+42.05 | 57.8 RT | 10.0 | Box elder | Remove | inside temp easement | 78.50 | 71 | 0.5 | 0.65 | 0.65 | 1177.40 |
| | 58 | 23+44.33 | 58.6 RT | 10.0 | Box elder | Remove | inside temp easement | 78.50 | 71 | 0.5 | 0.65 | 0.65 | 1177.40 |
| | TOTAL | | | | | | | | | | | 3,414.47 | |

| ILLINOIS ROUTE 68 OVER MF NB CHICAGO RIVER P-91-502-01 | | | | | | | | | | | | | |
|---|------------------|-----------|--------------|-----------------------|------------------|------------------------|----------------------|---------------------------------|----------------------|----------------------|------------|-------------|----------|
| SURVEY AND COST ANALYSIS OF TREE REMOVAL FROM FOREST PRESERVE DISTRICT OF COOK COUNTY (FPDCC) | | | | | | | | | | | | | |
| Shermer | NUMBER ON SURVEY | STATION | OFFSE T FEET | DIAMETE R SIZE* INCH. | TYPE | RECOMMENDE D ACTION*** | IMPACT**** | CROSS-SECTIONA L AREA (3.14*R²) | Cost per Sq. In (\$) | Multiplier (Table A) | LOC. MULT. | COND. MULT. | COST |
| | 59 | 205+03.84 | 33.6 RT | 7.0 | American elm | Remove | inside perm easement | 38.47 | 71 | 0.75 | 0.65 | 0.65 | 865.39 |
| | 60 | 205+08.47 | 37.6 RT | 6.0 | Dead | Remove | inside perm easement | 28.26 | 71 | 0 | 0.65 | 0.65 | 0.00 |
| | 61 | 205+12.47 | 34.6 RT | 12.0 | Dead | Remove | inside perm easement | 113.04 | 71 | 0 | 0.65 | 0.65 | 0.00 |
| | 62 | 205+14.18 | 47.5 RT | 13.5 | American elm | Remove | inside perm easement | 143.07 | 71 | 0.75 | 0.65 | 0.65 | 3218.72 |
| | 63 | 205+20.70 | 36.2 RT | 8.0 | American elm | Remove | inside perm easement | 50.24 | 71 | 0.75 | 0.65 | 0.65 | 1130.31 |
| | 64 | 205+24.47 | 56.7 RT | 15.0 | Green ash | Remove | inside perm easement | 176.63 | 71 | 1 | 0.65 | 0.65 | 5298.31 |
| | 65 | 205+27.27 | 38.1 RT | 14.0 | Green ash | Remove | inside perm easement | 153.86 | 71 | 1 | 0.65 | 0.65 | 4615.42 |
| | 66 | 205+29.34 | 51.9 RT | 7.0 | Green ash | Remove | inside perm easement | 38.47 | 71 | 1 | 0.65 | 0.65 | 1153.85 |
| | 67 | 205+30.40 | 39.8 RT | 8.0 | Green ash | Remove | inside perm easement | 50.24 | 71 | 1 | 0.65 | 0.65 | 1507.07 |
| | 68 | 205+38.07 | 41.3 RT | 9.5 | Green ash | Remove | inside perm easement | 70.85 | 71 | 1 | 0.65 | 0.65 | 2125.21 |
| | 69 | 205+44.77 | 39.7 RT | 12.0 | American elm | Remove | inside perm easement | 113.04 | 71 | 0.75 | 0.65 | 0.65 | 2543.19 |
| | 70 | 205+55.53 | 46.5 RT | MS | Common buckthorn | Remove | inside perm easement | 0.00 | 71 | 0 | 0.65 | 0.65 | 0.00 |
| | 71 | 205+58.26 | 46.2 RT | 6.5 | Common buckthorn | Remove | inside perm easement | 33.17 | 71 | 0 | 0.65 | 0.65 | 0.00 |
| | 72 | 205+59.14 | 38.2 RT | 10.0 | Green ash | Remove | inside perm-easement | 78.50 | 71 | 1 | 0.65 | 0.65 | 2354.80 |
| | 73 | 205+61.65 | 50.2 RT | 8.0 | American elm | Remove | inside perm easement | 50.24 | 71 | 0.75 | 0.65 | 0.65 | 1130.31 |
| | 74 | 205+66.33 | 46.5 RT | 33.0 | Eastern Cottonwd | Remove | inside perm easement | 854.87 | 71 | 0.75 | 0.65 | 0.65 | 19232.86 |

| | | | | | | | | | | | | | |
|----|-------|-----------|---------|------|------------------|--------|----------------------|-------|----|------|------|------|---------|
| 75 | 162 | 206+03.81 | 36.9 RT | 6.0 | Green ash | Remove | inside perm easement | 28.26 | 71 | 1 | 0.65 | 0.65 | 847.73 |
| 76 | 164 | 206+06.55 | 43.0 RT | 6.0 | Green ash | Remove | inside perm easement | 28.26 | 71 | 1 | 0.65 | 0.65 | 847.73 |
| 77 | 168 | 206+15.62 | 40.7 RT | 10.0 | Dead | Remove | inside perm easement | 78.50 | 71 | 0 | 0.65 | 0.65 | 0.00 |
| 78 | 169 | 206+19.83 | 41.4 RT | 6.0 | American elm | Remove | inside perm easement | 28.26 | 71 | 0.75 | 0.65 | 0.65 | 635.80 |
| 79 | 170 | 206+34.49 | 39.6 RT | 7.0 | Green ash | Remove | inside perm easement | 38.47 | 71 | 1 | 0.65 | 0.65 | 1153.85 |
| 80 | 171 | 206+64.33 | 63.2 RT | 9.0 | Green ash | Remove | inside perm easement | 63.59 | 71 | 1 | 0.65 | 0.65 | 1907.39 |
| 81 | 173 | 206+79.40 | 79.5 RT | 9.5 | Green ash | Remove | inside perm easement | 70.85 | 71 | 1 | 0.65 | 0.65 | 2125.21 |
| 82 | 130 A | 206+27 | 46 RT | 5.0 | Common buckthorn | Remove | inside perm easement | 19.63 | 71 | 0 | 0.65 | 0.65 | 0.00 |
| 83 | 131 A | 206+22 | 47 RT | 5.0 | Green ash | Remove | inside perm easement | 19.63 | 71 | 1 | 0.65 | 0.65 | 588.70 |
| 84 | 132 A | 206+26 | 38 RT | 5.0 | Green ash | Remove | inside perm easement | 19.63 | 71 | 1 | 0.65 | 0.65 | 588.70 |
| 85 | 133 A | 206+34 | 54 RT | 5.0 | Amur honeysuckle | Remove | inside perm easement | 19.63 | 71 | 1 | 0.65 | 0.65 | 588.70 |
| 86 | 134 A | 206+70 | 67 RT | 5.0 | Common buckthorn | Remove | inside perm easement | 19.63 | 71 | 0 | 0.65 | 0.65 | 0.00 |

54,459.25

\$158,108.59