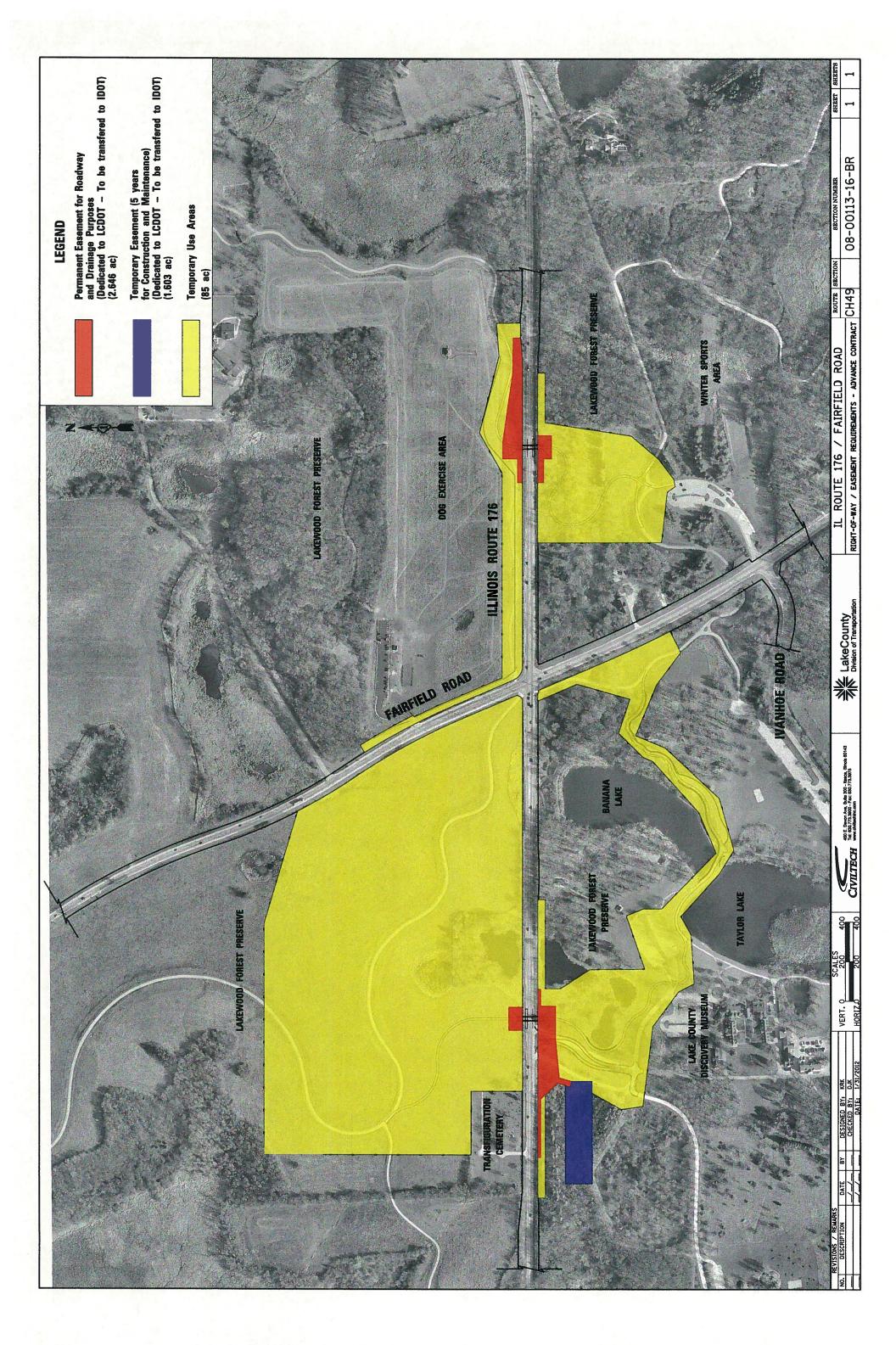
#### **EXHIBIT A**

## Right-of-Way and Easement Requirements AERIAL DRAWING PLAT OF HIGHWAYS FOR PERMANENT EASEMENTS AND TEMPORARY EASEMENT OF ADVANCE CONTRACT (10 pages),



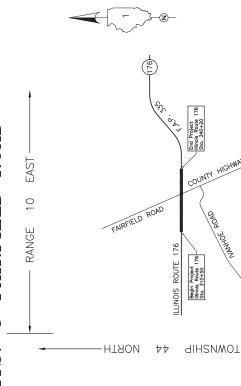
STATE OF ILLINOIS

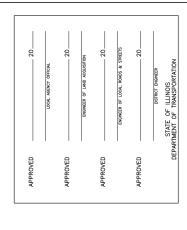
8

# FOR PROPOSED FEDERAL AID HIGHWAY DEPARTMENT OF TRANSPORTATION RIGHT OF WAY PLANS

ROUTE: F.A.P. 335 (ILLINOIS ROUTE 176) SECTION: PROJECT NO.: JOB NO.: R-91-555-04 COUNTY: LAKE

IMITS: @ FAIRFIELD ROAD



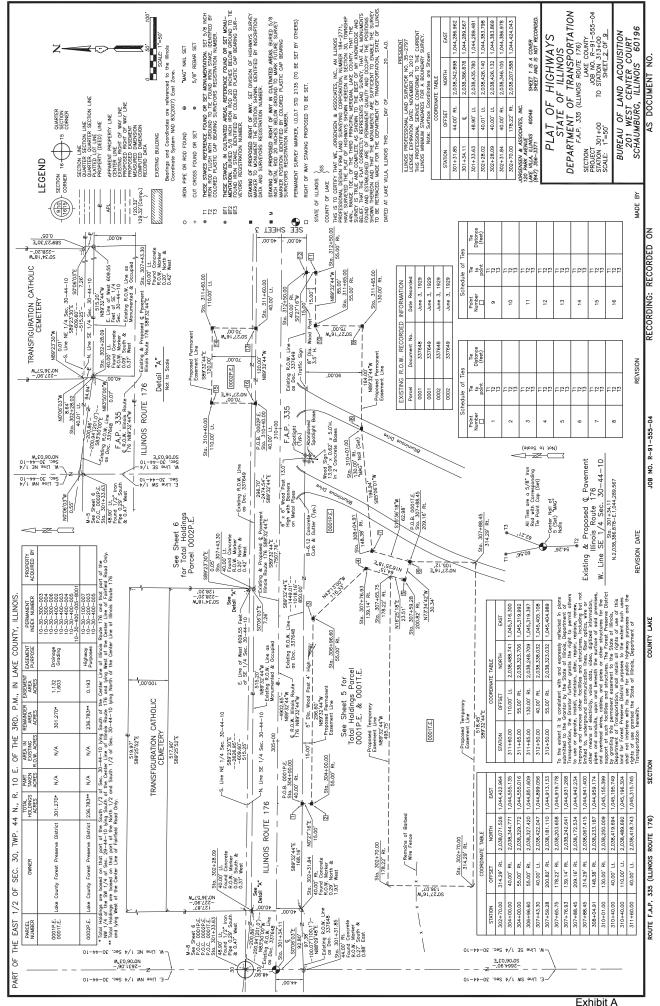


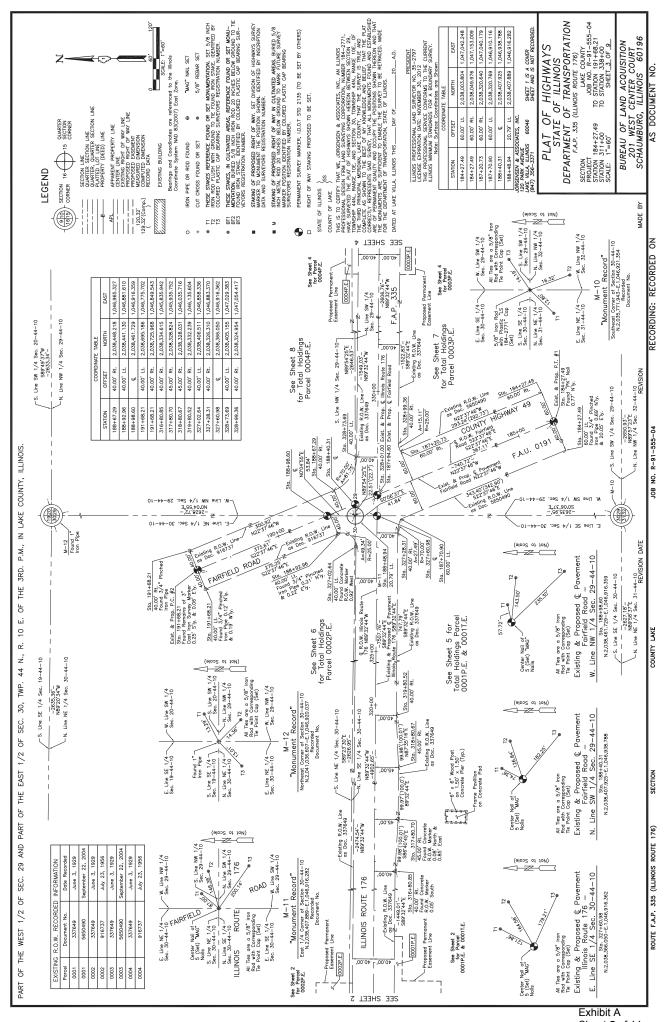
PROJECT LENGTH = 2,970.00 LIN. FT. = 0.562 MILE, ILLINOIS ROUTE 176

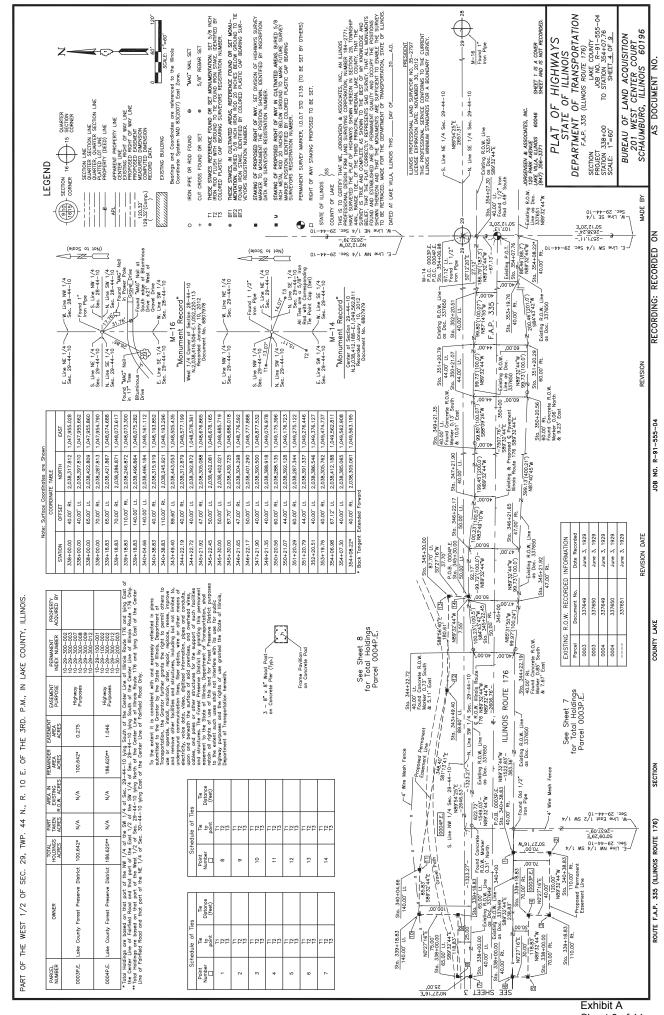
ROUTE F.A.P. 335 (ILLINOIS ROUTE 176)

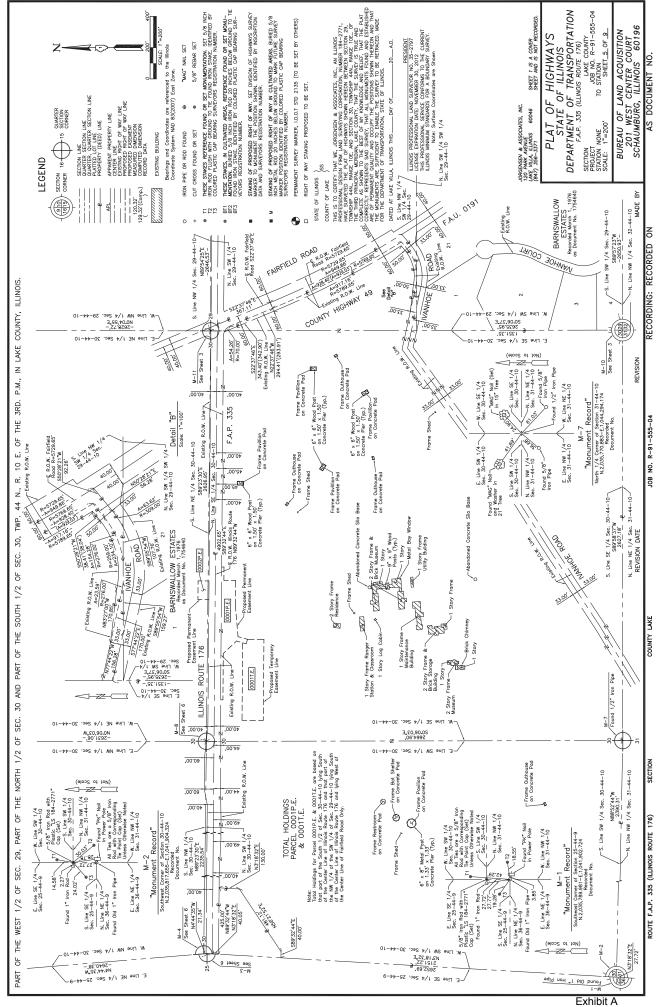
Sheet 3 of 11

Exhibit A

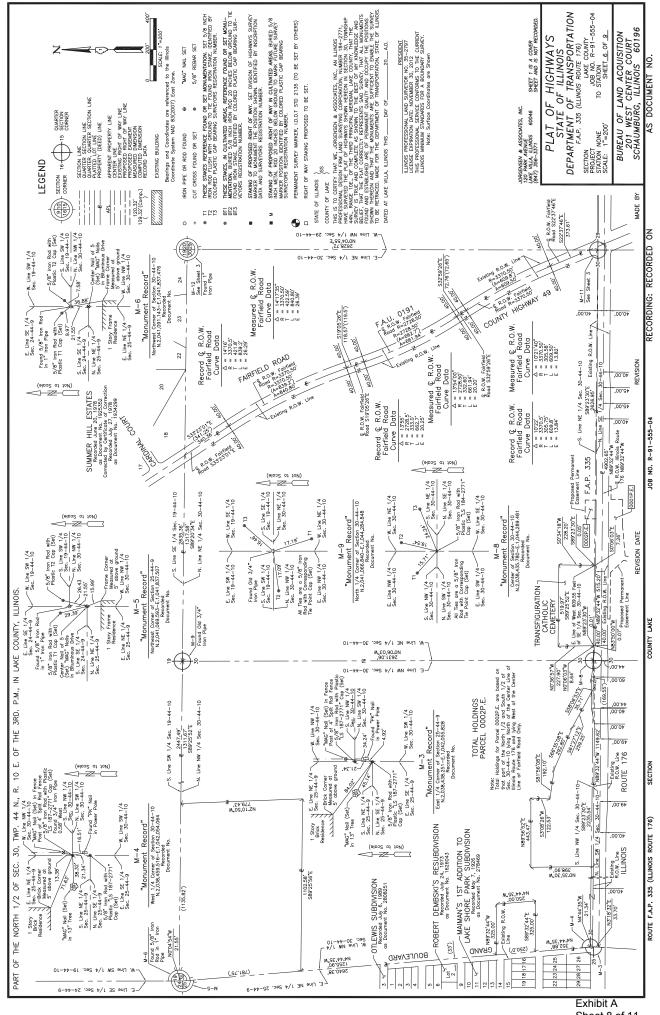


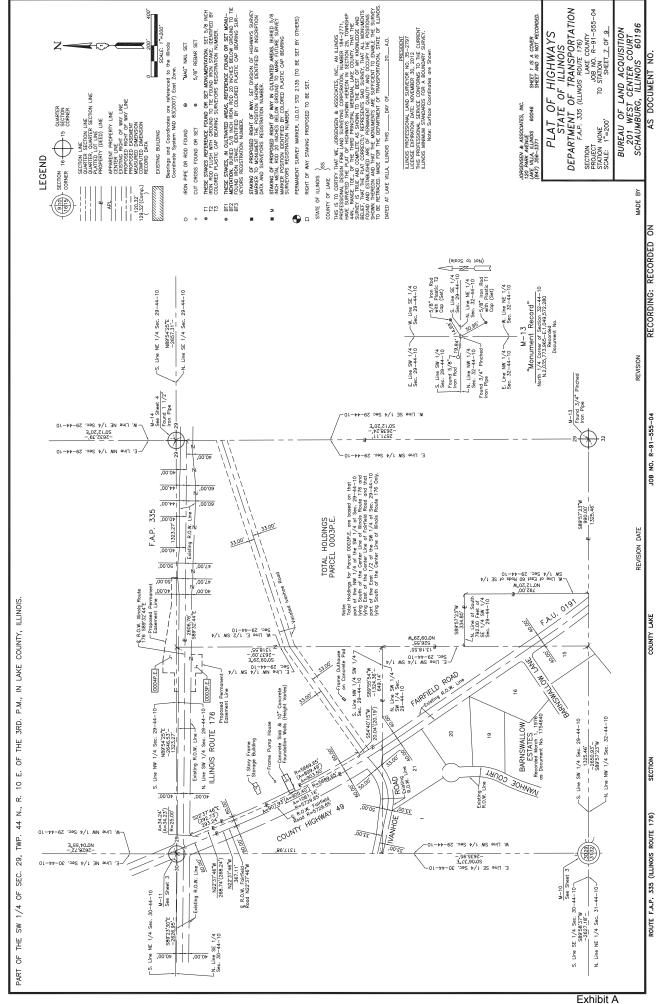


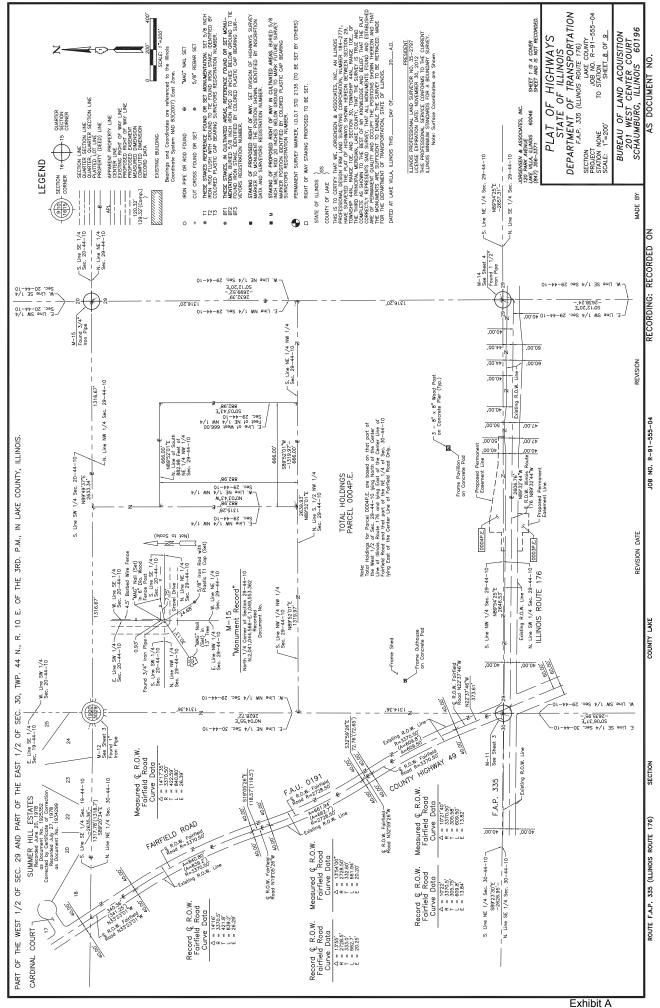


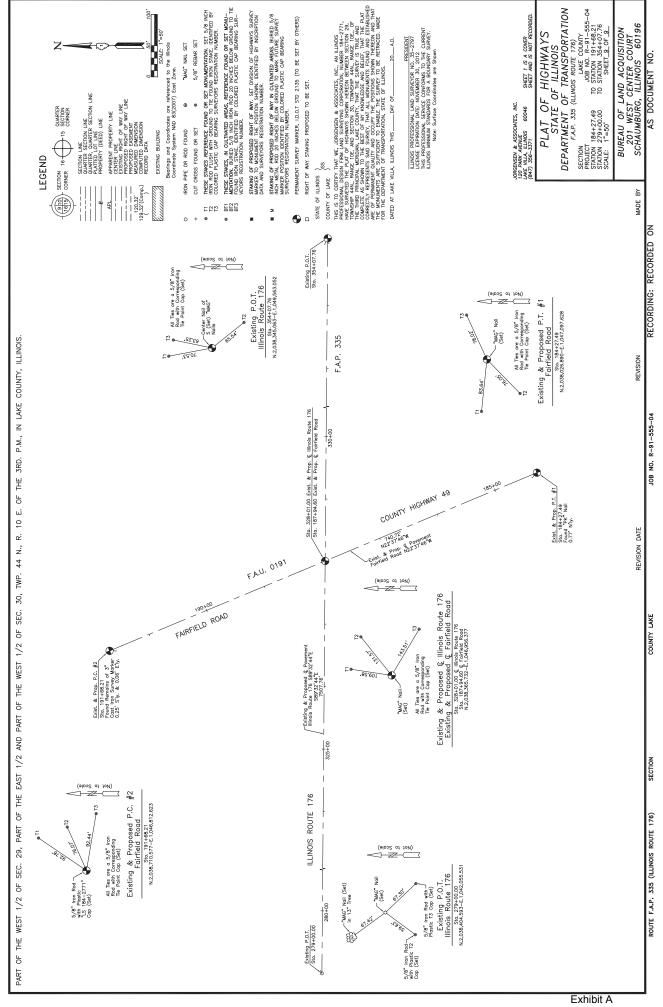


Sheet 7 of 11









#### **EXHIBIT B**

### ${\bf Legal\ Descriptions\ for\ the\ TEMPORARY\ EASEMENTS} \\ {\bf and\ PERMANENT\ EASEMENTS\ OF\ ADVANCE\ CONTRACT\ } (8\ pages)$

Section:

County: Lake

Job No.: R-91-555-04 Parcel: 0001P.E.

Sta. 304+00.00 To Sta. 312+50.00

Owner : Lake County Forest Preserve

District

Index No. 10-30-400-005

That part of the Southeast Quarter of Section 30, Township 44 North, Range 10 East of the Third Principal Meridian, in Lake County, Illinois, described as follows:

Commencing at the northwest corner of the Southeast Quarter of said Section 30; thence on an assumed bearing of South 0 degrees 06 minutes 03 seconds East along the west line of the Southeast Ouarter of said Section 30, a distance of 92.80 feet to the south right of way line of Illinois Route 176 recorded June 3, 1929 as document number 337648; thence North 88 degrees 09 minutes 48 seconds East along the said south right of way line of Illinois Route 176, a distance of 97.38 feet to an angle point on said south right of way line; thence South 89 degrees 32 minutes 44 seconds East along the said south right of way line of Illinois Route 176, distance of 168.16 feet to the point of beginning; thence continuing South 89 degrees 32 minutes 44 seconds East along the said south right of way line of Illinois Route 176 and along the south right of way line of Illinois Route 176 recorded June 3, 1929 as document number 337649, a distance of 850.00 feet; thence South 0 degrees 27 minutes 16 seconds West, a distance of 15.00 feet to a point 15.00 feet normally distant South of the south right of way line of Illinois Route 176 recorded June 3, 1929 as document number 337649; thence North 89 degrees 32 minutes 44 seconds West along a line 15.00 feet normally distant South of and parallel with the said south right of way line of Illinois Route 176, a distance of 85.00 feet; thence South 0 degrees 27 minutes 16 seconds West, a distance of 75.00 feet to a point 90.00 feet normally distant South of the said south right of way line of Illinois Route 176; thence North 89 degrees 32 minutes 44 seconds West along a line 90.00 feet normally distant South of and parallel with the said south right of way line of Illinois Route 176, a distance of 164.00 feet; thence South 85 degrees 06 minutes 01 second West, a distance of 196.94 thence South 15 degrees 36 minutes 18 seconds West, a distance of 62.98 feet; thence North 73 degrees 34 minutes 42 seconds West, a distance of 30.34 feet; thence North 16 degrees 25 minutes 18 seconds East, a distance of 64.15 feet; thence North 43 degrees 13 minutes 00 seconds West, a distance of 116.33 feet to a point 15.00 feet normally distant South of the south right of way line of Illinois Route 176 recorded June 3, 1929 as document number 337648; thence North 89 degrees 32 minutes 44 seconds West along a

(Continued)

Section:

County: Lake

Job No.: R-91-555-04 Parcel: 0001P.E.

Sta. 304+00.00 To Sta. 312+50.00

Owner : Lake County Forest Preserve

District

Index No. 10-30-400-005

line 15.00 feet normally distant South of and parallel with the said south right of way line of Illinois Route 176, a distance of 296.60 feet; thence North 0 degrees 27 minutes 16 seconds East, a distance of 15.00 feet to the point of beginning.

Said permanent easement containing 1.132 acres, more or less.

Said permanent easement to be used for drainage purposes.

Section:

County: Lake

Job No.: R-91-555-04 Parcel: 0001T.E.

Sta. 302+70.00 To Sta. 307+88.45

Owner : Lake County Forest Preserve

District

Index No. 10-30-400-005

That part of the Southeast Quarter of Section 30, Township 44 North, Range 10 East of the Third Principal Meridian, in Lake County, Illinois, described as follows:

Commencing at the northwest corner of the Southeast Quarter of said Section 30; thence on an assumed bearing of South 0 degrees 06 minutes 03 seconds East along the west line of the Southeast Ouarter of said Section 30, a distance of 92.80 feet to the south right of way line of Illinois Route 176 recorded June 3, 1929 as document number 337648; thence North 88 degrees 09 minutes 48 seconds East along the said south right of way line of Illinois Route 176, a distance of 97.38 feet to an angle point on said south right of way line; thence South 89 degrees 32 minutes 44 seconds East along the said south right of way line of Illinois Route 176 and along the south right of way line of Illinois Route 176 recorded June 3, 1929 as document number 337649, a distance of 1018.16 feet; thence South 0 degrees 27 minutes 16 seconds West, a distance of 15.00 feet to a point 15.00 feet normally distant South of the south right of way line of Illinois Route 176 recorded June 3, 1929 as document number 337649; thence North 89 degrees 32 minutes 44 seconds West along a line 15.00 feet normally distant South of and parallel with the said south right of way line of Illinois Route 176, a distance of 85.00 feet; thence South 0 degrees 27 minutes 16 seconds West, a distance of 75.00 feet to a point 90.00 feet normally distant South of the said south right of way line of Illinois Route 176; thence North 89 degrees 32 minutes 44 seconds West along a line 90.00 feet normally distant South of and parallel with the said south right of way line of Illinois Route 176, a distance of 164.00 feet; thence South 85 degrees 06 minutes 01 second West, a distance of 196.94 feet; thence South 15 degrees 36 minutes 18 seconds West, a distance of 62.98 feet to the point of beginning; thence North 73 degrees 34 minutes 42 seconds West, a distance of 30.34 feet; thence North 16 degrees 25 minutes 18 seconds East, a distance of 23.51 feet; thence North 89 degrees 32 minutes 44 seconds West, a distance of 495.75 feet; thence South 0 degrees 27 minutes 16 seconds West, a distance of 136.07 feet; thence South 89 degrees 32 minutes 44 seconds East, a distance of 518.45 feet; thence North 0 degrees 27 minutes 16 seconds East, a distance of 105.12 feet to the point of beginning.

Said temporary easement containing 1.603 acres, more or less.

Said temporary easement to be used for grading purposes.

Section:

County: Lake

Job No.: R-91-555-04 Parcel: 0002P.E.

Sta. 310+40.00 To Sta. 311+60.00

Owner : Lake County Forest Preserve

District

Index No. 10-30-200-003 10-30-400-005

That part of the Southeast Quarter and that part of the Northeast Quarter of Section 30, Township 44 North, Range 10 East of the Third Principal Meridian, in Lake County, Illinois, described as follows:

Commencing at the northwest corner of the Southeast Quarter of said Section 30; thence on an assumed bearing of South 89 degrees 23 minutes 30 seconds East along the north line of the Southeast Quarter of said Section 30, a distance of 609.60 feet to the northeast corner of the West 609.55 feet of the Southeast Quarter of said Section 30; thence South 0 degrees 06 minutes 03 seconds East along the east line of the West 609.55 feet of the Southeast Quarter of said Section 30, a distance of 7.26 feet to the north right of way line of Illinois Route 176 recorded June 3, 1929 as document number 337649; thence South 89 degrees 32 minutes 44 seconds East along the said north right of way line of Illinois Route 176, a distance of 296.70 feet to the point of beginning; thence North 0 degrees 27 minutes 16 seconds East, a distance of 70.00 feet to a point 70.00 feet normally distant North of the said north right of way line of Illinois Route 176; thence South 89 degrees 32 minutes 44 seconds East along a line 70.00 feet normally distant North of and parallel with the said north right of way line of Illinois Route 176, a distance of 120.00 feet; thence South 0 degrees 27 minutes 16 seconds West, a distance of 70.00 feet to the said north right of way line of Illinois Route 176; thence North 89 degrees 32 minutes 44 seconds West along the said north right of way line of Illinois Route 176, a distance of 120.00 feet to the point of beginning.

Said permanent easement containing 0.193 acre, more or less.

Said permanent easement to be used for highway purposes.

F.A.P. 335 (Illinois Route 176) Route :

Section:

County: Lake

Job No.: R-91-555-04 Parcel: 0003P.E.

Sta. 338+00.00 To Sta. 340+38.83 Owner :

Lake County Forest Preserve

District

Index No. 10-29-300-012

That part of the Northwest Quarter of the Southwest Quarter of Section 29, Township 44 North, Range 10 East of the Third Principal Meridian, in Lake County, Illinois, described as follows:

Commencing at the northeast corner of the Southwest Quarter of said Section 29; thence on an assumed bearing of South 0 degrees 12 minutes 20 seconds East along the east line of the Southwest Ouarter of said Section 29, a distance of 107.13 feet to the south right of way line of Illinois Route 176 recorded June 3, 1929 as document number 337650; thence North 89 degrees 32 minutes 44 seconds West along the said south right of way line of Illinois Route 176, a distance of 88.46 feet (88.7 feet, recorded ) to an angle point on said south right of way line; thence South 84 degrees 43 minutes 42 seconds West along the said south right of way line of Illinois Route 176, a distance of 200.46 feet (201.0 feet, recorded) to an angle point on said south right of way line; thence North 89 degrees 32 minutes 44 seconds West along the said south right of way line of Illinois Route 176, a distance of 99.73 feet (100.0 feet, recorded) to an angle point on said south right of way line; thence North 87 degrees 40 minutes 45 seconds West along the said south right of way line of Illinois Route 176, a distance of 399.13 feet (400.21 feet, recorded) to an angle point on said south right of way line; thence North 89 degrees 32 minutes 44 seconds West along the said south right of way line of Illinois Route 176, a distance of 99.73 feet (100.0 feet, recorded) to an angle point on said south right of way line; thence North 85 degrees 31 minutes 50 seconds West along the said south right of way line of Illinois Route 176, a distance of 99.97 feet (100.24 feet, recorded) to an angle point on said south right of way line; thence North 89 degrees 32 minutes 44 seconds West along the said south right of way line of Illinois Route 176 and along the south right of way line of Illinois Route 176 recorded June 3, 1929 as document number 337649, a distance of 383.36 feet to the point of beginning; thence South 0 degrees 27 minutes 16 seconds West, a distance of 70.00 feet to a point 70.00 feet normally distant South of the south right of way line of Illinois Route 176 recorded June 3, 1929 as document number 337649; thence North 89 degrees 32 minutes 44 seconds West along a line 70.00 feet normally distant South of and parallel with the said south right of way line of Illinois Route 176, a distance of 120.00 feet; thence North 0 degrees 27 minutes 16 seconds East, a distance of 40.00 feet to a

(Continued)

Section:

County: Lake

Job No.: R-91-555-04 Parcel: 0003P.E.

Sta. 338+00.00 To Sta. 340+38.83

Owner : Lake County Forest Preserve

District

Index No. 10-29-300-012

point 30.00 feet normally distant South of the said south right of way line of Illinois Route 176; thence North 89 degrees 32 minutes 44 seconds West along a line 30.00 feet normally distant South of and parallel with the said south right of way line of Illinois Route 176, a distance of 118.83 feet; thence North 0 degrees 27 minutes 16 seconds East, a distance of 30.00 feet to the said south right of way line of Illinois Route 176; thence South 89 degrees 32 minutes 44 seconds East along the said south right of way line of Illinois Route 176, a distance of 238.83 feet to the point of beginning.

Said permanent easement containing 0.275 acre, more or less.

Said permanent easement to be used for highway purposes.

Section:

County: Lake

Job No.: R-91-555-04 Parcel: 0004P.E.

Sta. 338+00.00 To Sta. 345+30.00

Owner : Lake County Forest Preserve

District

Index No. 10-29-100-001 10-29-300-002

10-29-300-012

That part of the South Half of the Northwest Quarter of Section 29, that part of the East Half of the Southwest Quarter of Section 29 and that part of the Northwest Quarter of the Southwest Quarter of Section 29, Township 44 North, Range 10 East of the Third Principal Meridian, in Lake County, Illinois, described as follows:

Commencing at the northeast corner of the Southwest Quarter of said Section 29; thence on an assumed bearing of South 0 degrees 12 minutes 20 seconds East along the east line of the Southwest Quarter of said Section 29, a distance of 27.12 feet to the north right of way line of Illinois Route 176 recorded June 3, 1929 as document number 337650; thence North 89 degrees 32 minutes 44 seconds West along the said north right of way line of Illinois Route 176, a distance of 186.79 feet (187.3 feet, recorded ) to an angle point on said north right of way line; thence North 87 degrees 14 minutes 55 seconds West along the said north right of way line of Illinois Route 176, a distance of 99.80 feet (100.07 feet, recorded) to an angle point on said north right of way line; thence North 89 degrees 32 minutes 44 seconds West along the said north right of way line of Illinois Route 176, a distance of 99.73 feet (100.0 feet, recorded) to an angle point on said north right of way line; thence South 88 degrees 09 minutes 26 seconds West along the said north right of way line of Illinois Route 176, a distance of 99.80 feet (100.07 feet, recorded) to an angle point on said north right of way line; thence North 89 degrees 32 minutes 44 seconds West along the said north right of way line of Illinois Route 176, a distance of 199.45 feet (200.0 feet, recorded) to an angle point on said north right of way line; thence North 83 degrees 49 minutes 10 seconds West along the said north right of way line of Illinois Route 176, a distance of 100.23 feet (100.5 feet, recorded) to an angle point on said north right of way line; thence North 89 degrees 32 minutes 44 seconds West along the said north right of way line of Illinois Route 176, a distance of 92.17 feet to the point of beginning; thence continuing North 89 degrees 32 minutes 44 seconds West along the said north right of way line of Illinois Route 176, a distance of 7.55 feet to an angle point on said north right of way line; thence South 84 degrees 43 minutes 42 seconds West along the said north right of way line of Illinois Route 176, a distance of 100.23 feet (100.5 feet, recorded) to an

(Continued)

Section:

County: Lake

Job No.: R-91-555-04 Parcel: 0004P.E.

Sta. 338+00.00 To Sta. 345+30.00

Owner : Lake County Forest Preserve

District

Index No. 10-29-100-001 10-29-300-002 10-29-300-012

angle point on said north right of way line; thence North 89 degrees 32 minutes 44 seconds West along the said north right of way line of Illinois Route 176 and along the north right of way line of Illinois Route 176 recorded June 3, 1929 as document number 337649, a distance of 622.72 feet; thence North 0 degrees 27 minutes 16 seconds East, a distance of 25.00 feet to a point 25.00 feet normally distant North of the north right of way line of Illinois Route 176 recorded June 3, 1929 as document number 337649; thence South 89 degrees 32 minutes 44 seconds East along a line 25.00 feet normally distant North of and parallel with the said north right of way line of Illinois Route 176, a distance of 118.83 feet; thence North 0 degrees 27 minutes 16 seconds East, a distance of 75.00 feet to a point 100.00 feet normally distant North of the said north right of way line of Illinois Route 176; thence South 89 degrees 32 minutes 44 seconds East along a line 100.00 feet normally distant North of and parallel with the said north right of way line of Illinois Route 176, a distance of 85.83 feet; thence South 81 degrees 13 minutes 41 seconds East, a distance of 348.40 thence South 88 degrees 56 minutes 40 seconds East, a distance of 180.61 feet; thence South 0 degrees 27 minutes 16 seconds West, a distance of 37.70 feet to the point of beginning.

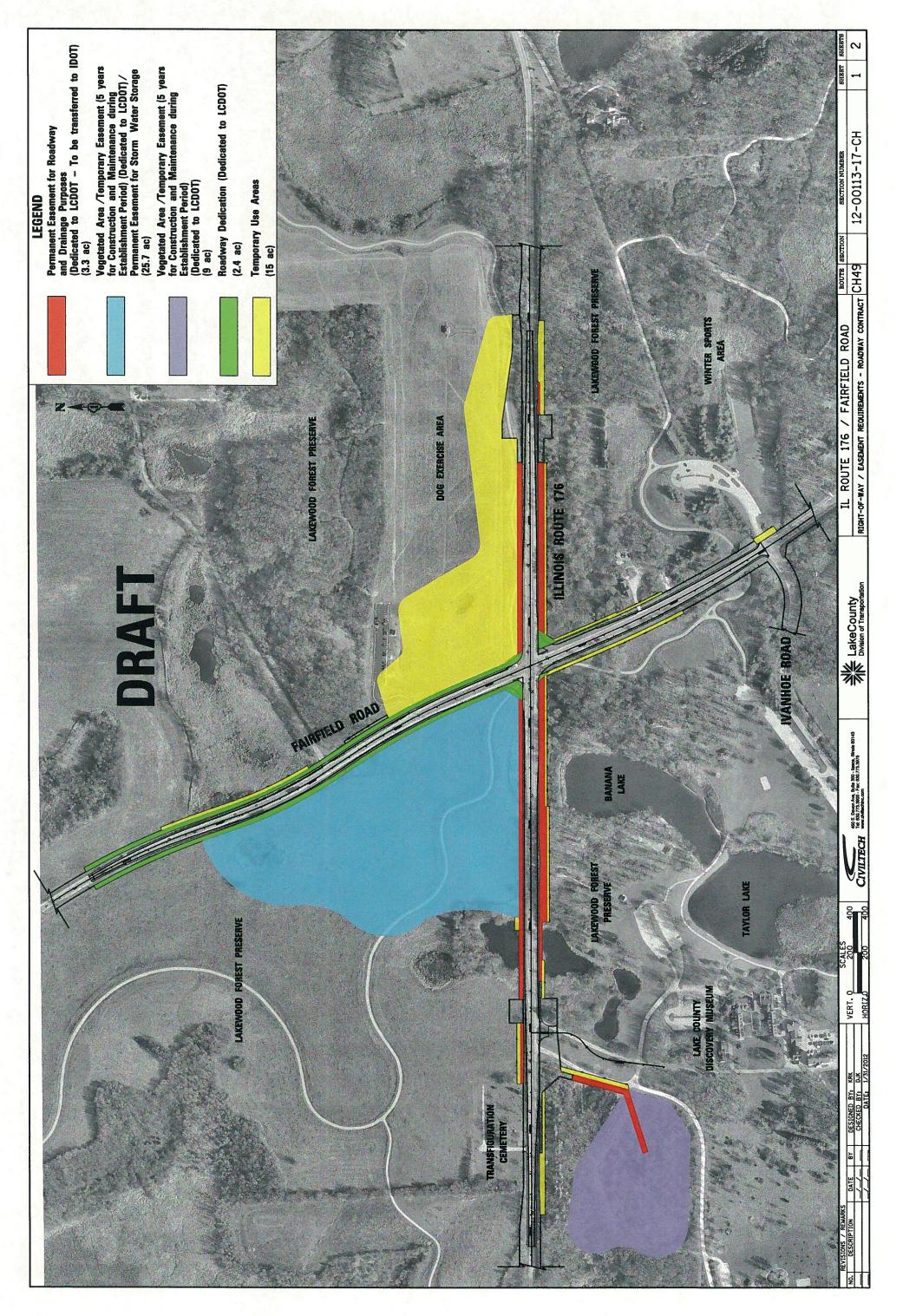
Said permanent easement containing 1.046 acres, more or less.

Said permanent easement to be used for highway purposes.

#### **EXHIBIT C**

#### $\textbf{Right-of-Way and Easement Requirements AERIAL DRAWING} \ (2 \ pages)$

County Section No. 12-00113-17-CH





#### **EXHIBIT D**

#### MAINTENANCE PLAN (5 pages)

County Section No. 08-00113-16-BR and 12-00113-17-CH

## NATURAL AREA INSTALLATION THREE (3) YEAR MAINTENANCE AND MONITORING PLAN LAKE COUNTY DIVISION OF TRANSPORTATION LAKE COUNTY, ILLINOIS

Project: Fairfield Road and IL Route 176 Intersection Improvements County Section No. 08-00113-16-BR and 12-00113-17-CH

#### INTRODUCTION

As part of the above highway construction project, the Lake County Division of Transportation (LCDOT) will construct a natural area, consisting of a naturalized detention area, on Lake County Forest Preserve District (LCFPD) property. The LCFPD has agreed to allow LCDOT to perform this work on LCFPD property with the understanding that LCDOT will be responsible for installing and maintaining native vegetation until establishment in all areas disturbed by the associated earthwork.

To ensure the establishment of the plant materials, LCDOT will include a Three Year Maintenance and Monitoring Period (MMP) following the installation of the natural area as shown on plans. At the end of the MMP, the planted native vegetation areas shall meet specific acceptance criteria before the areas are turned over to LCFPD for long term maintenance. The details of the MMP and the acceptance criteria are provided below. They are also included in the LCDOT Natural Area Installation (NAI) special provisions included in the contract specifications.

At the completion of the MMP, LCDOT and LCFPD will jointly inspect the natural area to determine what areas have met the acceptance criteria and what areas have not. Following the inspection and issuance of the final monitoring report, areas meeting the acceptance criteria will be turned over to LCFPD. Unsuccessful areas will remain the responsibility of LCDOT. As part of the joint inspection corrective action(s), if any, will be determined. The corrective action(s) may require LCDOT to extend the MMP.

Additional maintenance and monitoring beyond the three year period shall only be required for those specific portions of the NAI which fail to meet the acceptance criteria. Exhibits shall be prepared by LCDOT to document the areas in compliance and the areas in non-compliance. Any areas turned over shall be clearly defined in the field. Staking will be used to delineate which areas fall under each agency's management.

#### **QUALIFIED LANDSCAPING CONSULTANT**

On behalf of LCDOT, a Consultant will be engaged to oversee the NAI from the initial delivery of seed, sod, wetland plants, trees and shrubs through the final acceptance by LCFPD. The Consultant will act as the LCDOT representative for all aspects concerning the preparation, planting, monitoring and maintaining of the NAI.

The Qualified Landscaping Consultant shall be defined as an individual or company with at least five years of demonstrated experience in natural area management. The Qualified Landscaping Consultant shall have at a minimum:

- Staff experienced in native plant identification
- Licensed herbicide applicators
- Training in the completion of prescribed burns.

#### **MONITORING**

The Consultant will visit the site during the MMP a minimum of three times a year during the growing season. The visits will occur on or about May 1, July 1, and September 1, in the planting year(s) and each of the three years of the MMP. The visits will be conducted to determine the progress and health of the vegetation within the native planting area. The consultant will evaluate the status of the plantings and the level of the acceptance criteria achieved. Additionally, the Consultant shall determine if remedial measures are required and recommend procedures to correct any deficiencies in the plantings.

The vegetative monitoring shall be based on meander surveys of the various disturbed areas. Large community types will have multiple meander surveys completed each year to provide a better representative evaluation of the overall area and to be able to clearly identify those areas which are deficient.

#### THREE YEAR MAINTENANCE AND MONITORING PERIOD

The Three Year Maintenance and Monitoring Period will begin the calendar year after planting, regardless of when planting occurs. In the event that the plantings are not completed in one calendar year, the MMP will begin the year after all the plantings have been completed.

**MPP Example** 

Planting Occurs	1 <sup>st</sup> Year MMP	2nd Year MMP	3rd Year MMP
April 20XX	Ends Sept 1, 20XX+1	Ends Sept 1, 20XX+2	Ends Sept 1, 20XX+3
	1 <sup>st</sup> Annual	2 <sup>nd</sup> Annual	3 <sup>rd</sup> Annual*
	Report Issued	Report Issued	Report Issued
	Sept 30, 20XX+1	Sept 30, 20XX+2	Sept 30, 20XX+3

At the end of each year of the MMP the Consultant shall evaluate the installed plant materials according to the acceptance criteria listed below and contained in the NAI special provisions. An annual report will be issued following the completion of each year of the MMP. The report will, at a minimum, address the level of acceptance criteria met and include any applicable remedial recommendations.

At the end of the 3<sup>rd</sup> year of the MMP, if all of the NAI passes the acceptance criteria, the MMP will be completed.

#### **ACCEPTANCE CRITERIA**

The acceptance criteria are predetermined goals for guiding and measuring success. Native plant communities of various types will be created throughout the NAI. This project is being established under adaptive management principals; therefore, the community type established is flexible. Regardless of the proposed community type(s), the areas will be assessed based on the community type present. Community type(s) shown on the engineering plans are for illustrative purposes and reflect the designer's best estimate as to the community type that will establish. Deviations in community type are acceptable, and management will proceed accordingly to achieve the acceptance criteria of the established community. Creation of specific acres/areas of the various community types is not important, only that each established community meets the following minimum performance standards.

The acceptance criteria listed are goals. Failure to meet the standard does not automatically require remedial action if the area in question is in substantial conformance.

- 1. **Seeding**: For acceptance, seeded areas shall meet the following conditions at the end of the Three Year Maintenance and Monitoring Period:
  - a. No seeded area shall have more than one square yard (areal coverage) devoid of vegetation.
  - b. No more than 25 percent of the total species present within the NAI, may be comprised of non-native or invasive species as measured by areal coverage. The non-native or invasive species include, but are not limited to, the species listed below. If this standard is not met, remedial activities shall be implemented, as soon as possible (i.e., as soon as weather conditions allow) in order to control the non-native or invasive species.

**Non-Native & Invasive Species** 

	a iii vacivo opocioo	
Garlic Mustard	(Alliaria petiolata)	
Common Buckthorn	(Rhamnus cathartica and frangula)	
Reed Canarygrass	(Phalaris arundinacea)	
Purple Loosestrife	(Lythrum salicaria)	
White Sweetclover	(Melilotus alba)	
Yellow Sweetclover	(Melilotus officinalis)	
Multiflora Rose	(Rosa multiflora)	
Canada Thistle	(Cirsium arvense)	
Crownvetch	(Coronilla varia)	
Cutleaf Teasel	(Dipsacus laciniatus)	
Fuller's Teasel	(Dipsacus sylvestris)	
Bush Honeysuckles	(Lonicera spp.)	
Common Reed	(Phragmites australis)	
Canada & Kentucky Bluegrass	(Poa compressa and pratensis)	
Sandbar Willow	(Salix interior)	
Sericea Lespedeza	(Lespedeza cuneata)	
Leafy Spurge	(Euphorbia esula)	
Spotted Knapweed	(Centaurea biebersteinii)	
Japanese Knotweed	(Polygonum cuspidatum)	

 Tree and Shrub Planting: For acceptance, 100 percent of all trees and shrubs shall be alive and successfully rooted at the end of the Three Year Maintenance and Monitoring Period.

#### ANNUAL MONITORING REPORT

An annual monitoring report summarizing the sampling data will be prepared by the Consultant and submitted to LCFPD by September 30 for each of the three years of the MMP. The report will include a discussion of the progress made towards meeting the acceptance criteria and proposed actions to deal with any deficiencies. Representative photographs of the restoration areas taken at the time of sampling will be included in the report. Particular attention will be given to the progress of the vegetation at the end of the second full growing season, as the relative success of the plantings may be reasonably predicted at that time.

#### **MAINTENANCE RESPONSIBILITY**

It will be LCDOT's responsibility to correct any deficiencies in the native vegetation planting areas during the Three Year Maintenance and Monitoring Period or until such time as the final written approval for the restoration is received from LCFPD. This includes, but is not limited to, replanting and selective herbicide use. If an area fails to meet or exceed the acceptance criteria, additional remedial work may be required for that specific area until the performance standards are substantially met.

#### **EXHIBIT E**

#### **DIVISION OF COST** (1 page)

#### **DIVISION OF COST**

Forest Preserve Entrance Construction Cost		\$392,444
Entrance Design Engineering	7% of Construction Cost	\$27,471
Entrance Construction Engineering	10% of Construction Cost	\$39,244
Re-Design Engineering		\$3,210
Total Cost		\$462,369