



Illinois Department of Transportation

2300 South Dirksen Parkway / Springfield, Illinois / 62764

February 29, 2012

SUBJECT: FAU Route 2857 (Ashland Avenue)
Project HSIP-2857(009)
Section 2011-054-I
Cook County
Contract No. 60P64
Item No. 8, March 9, 2012 Letting
Addendum A

NOTICE TO PROSPECTIVE BIDDERS:

Attached is an addendum to the plans or proposal. This addendum involves revised and/or added material.

1. Replaced the Schedule of Prices.
2. Revised the Table of Contents to the Special Provisions.
3. Revised page 2 of the Special Provisions.
4. Added paged 165 – 175 to the Special Provisions.
5. Revised sheet 6 of the plan.

Prime contractors must utilize the enclosed material when preparing their bid and must include any Schedule of Prices changes in their bidding proposal.

Bidders using computer-generated bids are cautioned to reflect any and all Schedule of Prices changes, if involved, into their computer programs.

Very truly yours,

John D. Baranzelli, P. E.
Acting Engineer of Design and Environment

A handwritten signature in cursive script, appearing to read "Ted B. Walschleger" followed by "P.E." in smaller letters.

By: Ted B. Walschleger, P. E.
Engineer of Project Management

cc: Diane O'Keefe, Region 1, District 1; Mike Renner; Estimates

TBW:MS:ks

ILLINOIS DEPARTMENT OF TRANSPORTATION
 SCHEDULE OF PRICES
 CONTRACT
 NUMBER - 60P64

State Job # - C-91-594-11
 PPS NBR - 1-78299-0000
 County Name - COOK- -
 Code - 31 - -
 District - 1 - -
 Section Number - 2011-054-I

Project Number
 HSIP-2857/009/

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 FAU 2857

* REVISED: FEBRUARY 23, 2012

Item Number	Pay Item Description	Unit of Measure	Quantity	x	Unit Price	=	Total Price
X0322054	REM PRC FL END SEC	EACH	1.000				
X0327353	STORMWTR TRTMT SYS L1	L SUM	1.000				
X2020110	GRADING & SHAP SHLDRS	UNIT	34.000				
X6370250	C BAR VAR X-SEC 42HT	FOOT	63.000				
X7010216	TRAF CONT & PROT SPL	L SUM	1.000				
X7030030	WET REF TEM TAPE T3 4	FOOT	2,777.000				
X7030050	WET REF TEM TPE T3 12	FOOT	56.000				
X8620200	UNINTER POWER SUP SPL	EACH	2.000				
Z0013798	CONSTRUCTION LAYOUT	L SUM	1.000				
Z0030240	IMP ATTN TEMP NRD TL2	EACH	4.000				
Z0030340	IMP ATTN REL NRD TL2	EACH	4.000				
Z0030850	TEMP INFO SIGNING	SQ FT	257.000				
Z0048665	RR PROT LIABILITY INS	L SUM	1.000				
Z0062456	TEMP PAVEMENT	SQ YD	360.000				
Z0064800	SELECTIVE CLEARING	UNIT	1.000				

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Z0073510	TEMP TR SIGNAL TIMING	EACH	2.000				
20100500	TREE REMOV ACRES	ACRE	0.100				
20200600	EXC & GR EX SHOULDER	UNIT	8.560				
20800150	TRENCH BACKFILL	CU YD	4,454.000				
21101615	TOPSOIL F & P 4	SQ YD	5,732.000				
21400100	GRADING & SHAP DITCH	FOOT	3,567.000				
25000400	NITROGEN FERT NUTR	POUND	71.000				
25000500	PHOSPHORUS FERT NUTR	POUND	71.000				
25000600	POTASSIUM FERT NUTR	POUND	71.000				
25200110	SODDING SALT TOLERANT	SQ YD	5,732.000				
28000250	TEMP EROS CONTR SEED	POUND	9.000				
28000305	TEMP DITCH CHECKS	FOOT	40.000				
28000400	PERIMETER EROS BAR	FOOT	425.000				
28000510	INLET FILTERS	EACH	69.000				
28100107	STONE RIPRAP CL A4	SQ YD	41.000				

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28200200	FILTER FABRIC	SQ YD	41.000				
35400520	PCC BASE CSE W 12	SQ YD	222.000				
35501316	HMA BASE CSE 8	SQ YD	107.000				
35600724	HMA BC WID 12	SQ YD	79.000				
40600200	BIT MATLS PR CT	TON	28.000				
40600300	AGG PR CT	TON	138.000				
40600400	MIX CR JTS FLANGEWYS	TON	52.000				
40600827	P LB MM IL-4.75 N50	TON	1,449.000				
40600895	CONSTRUC TEST STRIP	EACH	2.000				
40600982	HMA SURF REM BUTT JT	SQ YD	362.000				
40603335	HMA SC "D" N50	TON	12.000				
40603595	P HMA SC "F" N90	TON	2,897.000				
42001300	PROTECTIVE COAT	SQ YD	2,223.000				
42400200	PC CONC SIDEWALK 5	SQ FT	3,449.000				
42400800	DETECTABLE WARNINGS	SQ FT	16.000				

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Item Number	Pay Item Description	Unit of Measure	Quantity	x	Unit Price	=	Total Price
44000100	PAVEMENT REM	SQ YD	326.000				
44000159	HMA SURF REM 2 1/2	SQ YD	34,189.000				
44000200	DRIVE PAVEMENT REM	SQ YD	107.000				
44000500	COMB CURB GUTTER REM	FOOT	4,489.000				
44000600	SIDEWALK REM	SQ FT	3,833.000				
44003100	MEDIAN REMOVAL	SQ FT	1,715.000				
44201347	CL C PATCH T4 9	SQ YD	57.000				
44201785	CL D PATCH T1 12	SQ YD	27.000				
44201789	CL D PATCH T2 12	SQ YD	82.000				
44201794	CL D PATCH T3 12	SQ YD	60.000				
44201796	CL D PATCH T4 12	SQ YD	1,881.000				
48101620	AGGREGATE SHLDS B 10	SQ YD	352.000				
48102100	AGG WEDGE SHLD TYPE B	TON	209.000				
48203021	HMA SHOULDERS 6	SQ YD	469.000				
50104400	CONC HDWL REM	EACH	1.000				

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542D0220	P CUL CL D 1 15	FOOT	56.000				
5421A012	P CUL CL A 1 12 TEMP	FOOT	20.000				
54213660	PRC FLAR END SEC 15	EACH	2.000				
54213681	PRC FLAR END SEC 36	EACH	2.000				
54215550	MET END SEC 15	EACH	4.000				
54244405	FL INLT BX MED 542546	EACH	3.000				
54247170	GRATING-C FL END S 36	EACH	2.000				
550A0050	STORM SEW CL A 1 12	FOOT	1,307.000				
550A0070	STORM SEW CL A 1 15	FOOT	395.000				
550A0090	STORM SEW CL A 1 18	FOOT	66.000				
550A0120	STORM SEW CL A 1 24	FOOT	259.000				
550A0160	STORM SEW CL A 1 36	FOOT	633.000				
550A0340	STORM SEW CL A 2 12	FOOT	37.000				
550A0450	STORM SEW CL A 2 36	FOOT	632.000				
550A0750	STORM SEW CL A 3 36	FOOT	260.000				

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60100915	PIPE DRAINS 6	FOOT	362.000				
60200105	CB TA 4 DIA T1F OL	EACH	1.000				
60200805	CB TA 4 DIA T8G	EACH	4.000				
60201340	CB TA 4 DIA T24F&G	EACH	39.000				
60205040	CB TA 5 DIA T24F&G	EACH	1.000				
60206905	CB TC T1F OL	EACH	1.000				
60207605	CB TC T8G	EACH	2.000				
60208240	CB TC T24F&G	EACH	15.000				
60218400	MAN TA 4 DIA T1F CL	EACH	9.000				
60221100	MAN TA 5 DIA T1F CL	EACH	28.000				
60255500	MAN ADJUST	EACH	2.000				
60255700	MAN ADJ NEW T1F OL	EACH	2.000				
60260100	INLETS ADJUST	EACH	1.000				
60500040	REMOV MANHOLES	EACH	7.000				
60500050	REMOV CATCH BAS	EACH	17.000				

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60500060	REMOV INLETS	EACH	13.000				
60603500	COMB CC&G TB6.06	FOOT	26.000				
60603800	COMB CC&G TB6.12	FOOT	1,586.000				
60605000	COMB CC&G TB6.24	FOOT	1,247.000				
60618300	CONC MEDIAN SURF 4	SQ FT	227.000				
63000001	SPBGR TY A 6FT POSTS	FOOT	775.000				
63100045	TRAF BAR TERM T2	EACH	2.000				
63100085	TRAF BAR TERM T6	EACH	5.000				
63100167	TR BAR TRM T1 SPL TAN	EACH	14.000				
63200310	GUARDRAIL REMOV	FOOT	199.000				
63700175	CONC BAR 1F 42HT	FOOT	1,451.000				
63700275	CONC BAR 2F 42HT	FOOT	267.000				
63700900	CONC BARRIER BASE	FOOT	1,781.000				
64300240	IMP ATTEN FRD NAR TL2	EACH	5.000				
64300350	IMP ATTEN FRD WID TL2	EACH	1.000				

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*ADD 66900200	NON SPL WASTE DISPOSL	CU YD	2,500.000				
*ADD 66900450	SPL WASTE PLNS/REPORT	L SUM	1.000				
*ADD 66900530	SOIL DISPOSAL ANALY	EACH	8.000				
67000400	ENGR FIELD OFFICE A	CAL MO	6.000				
67100100	MOBILIZATION	L SUM	1.000				
70106500	TEMP BR TRAF SIGNALS	EACH	1.000				
70106700	TEMP RUMBLE STRIPS	EACH	9.000				
70300100	SHORT TERM PAVT MKING	FOOT	2,397.000				
70300210	TEMP PVT MK LTR & SYM	SQ FT	180.000				
70300220	TEMP PVT MK LINE 4	FOOT	30,846.000				
70300240	TEMP PVT MK LINE 6	FOOT	657.000				
70300250	TEMP PVT MK LINE 8	FOOT	133.000				
70300260	TEMP PVT MK LINE 12	FOOT	248.000				
70300280	TEMP PVT MK LINE 24	FOOT	189.000				
70301000	WORK ZONE PAVT MK REM	SQ FT	12,755.000				

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70400100	TEMP CONC BARRIER	FOOT	2,208.000				
70400200	REL TEMP CONC BARRIER	FOOT	1,976.000				
72000100	SIGN PANEL T1	SQ FT	362.000				
72400100	REMOV SIN PAN ASSY TA	EACH	28.000				
72400310	REMOV SIGN PANEL T1	SQ FT	84.000				
72800100	TELES STL SIN SUPPORT	FOOT	364.000				
78000100	THPL PVT MK LTR & SYM	SQ FT	402.000				
78000200	THPL PVT MK LINE 4	FOOT	22,786.000				
78000400	THPL PVT MK LINE 6	FOOT	1,190.000				
78000500	THPL PVT MK LINE 8	FOOT	389.000				
78000600	THPL PVT MK LINE 12	FOOT	386.000				
78000650	THPL PVT MK LINE 24	FOOT	319.000				
78008300	POLYUREA PM T2 LTR-SY	SQ FT	36.000				
78008310	POLYUREA PM T2 LN 4	FOOT	3,317.000				
78008330	POLYUREA PM T2 LN 6	FOOT	114.000				

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78008350	POLYUREA PM T2 LN 12	FOOT	314.000				
78100100	RAISED REFL PAVT MKR	EACH	235.000				
78200420	GUARDRAIL MKR TYPE B	EACH	9.000				
78200520	BAR WALL MKR TYPE B	EACH	25.000				
78201000	TERMINAL MARKER - DA	EACH	14.000				
78300200	RAISED REF PVT MK REM	EACH	235.000				
80500020	SERV INSTALL POLE MT	EACH	1.000				
81028200	UNDRGRD C GALVS 2	FOOT	609.000				
81028210	UNDRGRD C GALVS 2 1/2	FOOT	149.000				
81028220	UNDRGRD C GALVS 3	FOOT	167.000				
81028240	UNDRGRD C GALVS 4	FOOT	626.000				
81400100	HANDHOLE	EACH	4.000				
81400200	HD HANDHOLE	EACH	5.000				
81400300	DBL HANDHOLE	EACH	2.000				
85000200	MAIN EX TR SIG INSTAL	EACH	1.000				

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85700200	FAC T4 CAB	EACH	2.000				
87301245	ELCBL C SIGNAL 14 5C	FOOT	4,772.000				
87301255	ELCBL C SIGNAL 14 7C	FOOT	1,788.000				
87301305	ELCBL C LEAD 14 1PR	FOOT	2,479.000				
87301805	ELCBL C SERV 6 2C	FOOT	46.000				
87301900	ELCBL C EGRDC 6 1C	FOOT	1,039.000				
87502480	TS POST GALVS 14	EACH	7.000				
87502500	TS POST GALVS 16	EACH	2.000				
87502520	TS POST GALVS 18	EACH	1.000				
87700120	S MAA & P 16	EACH	1.000				
87700160	S MAA & P 24	EACH	2.000				
87700170	S MAA & P 26	EACH	1.000				
87700180	S MAA & P 28	EACH	1.000				
87700190	S MAA & P 30	EACH	1.000				
87700230	S MAA & P 38	EACH	2.000				

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87700400	S MAA & P 60	EACH	1.000				
87800100	CONC FDN TY A	FOOT	32.000				
87800150	CONC FDN TY C	FOOT	8.000				
87800400	CONC FDN TY E 30D	FOOT	91.000				
87800420	CONC FDN TY E 42D	FOOT	21.000				
87900200	DRILL EX HANDHOLE	EACH	17.000				
88000105	FLASH BEACON INSTALL	EACH	2.000				
88030020	SH LED 1F 3S MAM	EACH	17.000				
88030050	SH LED 1F 3S BM	EACH	8.000				
88030080	SH LED 1F 4S MAM	EACH	1.000				
88030100	SH LED 1F 5S BM	EACH	1.000				
88030110	SH LED 1F 5S MAM	EACH	3.000				
88030210	SH LED 2F 3S BM	EACH	1.000				
88030230	SH LED 2F 1-3 1-4 BM	EACH	2.000				
88055160	OPSH LED 1F 3S MAM	EACH	1.000				

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88055170	OPSH LED 1F 4S MAM	EACH	1.000				
88055190	OPSH LED 1F 5S BM	EACH	1.000				
88060180	CSH LED 2F 5SOP 3S BM	EACH	1.000				
88200210	TS BACKPLATE LOU ALUM	EACH	23.000				
88500100	INDUCTIVE LOOP DETECT	EACH	8.000				
88600100	DET LOOP T1	FOOT	2,103.000				
89000050	TEMP BR TR SIG INSTAL	EACH	2.000				
89502375	REMOV EX TS EQUIP	EACH	3.000				
89502380	REMOV EX HANDHOLE	EACH	7.000				
89502385	REMOV EX CONC FDN	EACH	21.000				
89502400	REM EX FB INSTAL COMP	EACH	2.000				

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Revised 2/28/12

COMPLETION DATE PLUS WORKING DAYS

Effective: September 30, 1985

Revised: January 1, 2007

Revise Article 108.05 (b) of the Standard Specifications as follows:

"When a completion date plus working days is specified, the Contractor shall complete all contract items and safely open all roadways to traffic by 11:59 PM on, October 19, 2012 except as specified herein.

The Contractor will be allowed to complete all clean-up work and punch list items within 5 working days after the completion date for opening the roadway to traffic. Under extenuating circumstances the Engineer may direct that certain items of work, not affecting the safe opening of the roadway to traffic, may be completed within the working days allowed for clean up work and punch list items. Temporary lane closures for this work may be allowed at the discretion of the Engineer.

Article 108.09 or the Special Provision for "Failure to Complete the Work on Time", if included in this contract, shall apply to both the completion date and the number of working days.

RAILROAD PROTECTIVE LIABILITY INSURANCE (5 AND 10) (BDE)

Effective: January 1, 2006

Description. Railroad Protective Liability and Property Damage Liability Insurance shall be carried according to Article 107.11 of the Standard Specifications, except the limits shall be a minimum of \$5,000,000 combined single limit per occurrence for bodily injury liability and property damage liability with an aggregate limit of \$10,000,000 over the life of the policy. A separate policy is required for each railroad unless otherwise noted.

NAMED INSURED & ADDRESS	NUMBER & SPEED OF PASSENGER TRAINS	NUMBER & SPEED OF FREIGHT TRAINS
<hr/>		
IHB over Ashland Ave, n/o Thornton Rd (3 structures)		
Indiana Harbor Belt Railway Company 2721-161 ST Street Hammond, IN 46323-1099	-0-	77 trains/day@20mph.

Revised 20/28/2021

STATUS OF UTILITIES TO BE ADJUSTED

Effective: January 30, 1987 Revised: December 1, 2011

Utility companies involved in this project have provided the following estimated information:

Nicor Gas

On Ashland Avenue - North of Jackson Street
10" gas main and 6' gas main
Duration: 2 to 3 weeks

Comcast

138th Street and Ashland Avenue
Relocate underground cable during construction
Relocated work to be coordinated with the contractor
Duration: Approximately 15 working days

Buckeye Pipeline

Conflict is unknown and not likely
12' line approximately 4' deep crossing at Sta. 99+50.

AT&T

Along Ashland Avenue- South of Jackson Street
Fiber optic line approximately 3' deep
Lower impacted cable in place as conflicts are determined during construction throughout the project.
Relocation work to be coordinated with the contractor.
Duration: Approximately 15 working days

MCI

2' pipe along Ashland Avenue from Broadway Street to 138th Street
Potential conflict south of Jackson Street.
Relocation work to be coordinated with the contractor.
Duration: Approximately 15 working days

The above represents the best information available to the Department and is included for the convenience of the bidder. The applicable portions of Articles 105.07 and 107.31 of the Standard Specifications shall apply.

REMOVAL AND DISPOSAL OF REGULATED SUBSTANCES

This work shall be according to Article 669 of the Standard Specifications and the following:

Added 2/28/2012

Qualifications. The term environmental firm shall mean an environmental firm with at least five (5) documented leaking underground storage tank (LUST) cleanups or that is pre-qualified in hazardous waste by the Department. Documentation includes but not limited to verifying remediation and special waste operations for sites contaminated with gasoline, diesel, or waste oil in accordance with all Federal, State, or local regulatory requirements and shall be provided to the Engineer for approval. The environmental firm selected shall not be a former or current consultant or have any ties with any of the properties contained within and/or adjacent to this construction project.

General. This Special Provision will likely require the Contractor to subcontract for the execution of certain activities. .

All contaminated materials shall be managed as non-special waste. This work shall include monitoring and potential sampling, analytical testing, and management of a material contaminated by regulated substances.

A) The Environmental Firm shall continuously monitor for worker protection and the Contractor shall manage and dispose of all soils excavated within the following areas as classified below. The lateral distance is measured from centerline and the farthest distance is the offset distance or construction limit whichever is less. Soil samples or analysis without the approval of the Engineer will be at no additional cost to the Department. Phase I Preliminary Engineering information is available through the District's Environmental Studies Unit.

1. Station 69+70 to Station 68+00 0 to 40 feet RT (Tri-State Disposal, Site 2212-6, 13903 South Ashland Avenue) – non-special waste. Contaminants of concern sampling parameters: PNAs and Arsenic.
2. Station 71+70 to Station 77+50 0 to 40 feet LT (I-57, Site 2212-7) – non-special waste. Contaminants of concern sampling parameters: PNAs and Arsenic.
3. Station 74+25 to Station 75+40 0 to 50 feet RT (Hub Cap City, Site 2216-9, 13801 South Ashland Avenue) – non-special waste. Contaminants of concern sampling parameters: PNAs and Lead.
4. Station 80+50 to Station 81+60 0 to 60 feet RT (ABC Auto Parts and Sales, Site 2212-11, 13741 South Ashland Avenue) – non-special waste. Contaminants of concern sampling parameters: Lead.
5. Station 82+50 to Station 87+90 0 to 60 feet RT (ABC Auto Parts and Sales, Site 2212-11, 13741 South Ashland Avenue) – non-special waste. Contaminants of concern sampling parameters: PNAs, Lead, and Arsenic.
6. Station 86+40 to Station 87+60 0 to 100 feet LT ((I-57, Site 2212-7) – non-special waste. Contaminants of concern sampling parameters: PNAs, Arsenic, and Lead.

B) The Environmental Firm shall continuously monitor for worker protection and the Contractor shall manage any excavated soils **within the construction limits of this project as fill**. Although the soil concentrations exceed a residential property's Tier 1 soil remediation objective for the ingestion exposure pathway, they can be utilized within the construction limits as fill because the roadway is not considered a residential property. All storm sewer excavated soils can be placed back into the excavated trench as backfill unless trench backfill is specified. If the soils cannot be utilized within the construction limits as fill then they must be managed off-site as a non-special waste. The following areas can be managed within the construction limits as fill.

Added 2/28/2012

1. Station 61+80 to Station 62+40 0 to 100 feet LT (Indiana Harbor Belt Railroad, Site 2212-5, 13900 Block of South Ashland Avenue) – non-special waste. Contaminants of concern sampling parameters: Arsenic.
2. Station 69+30 to Station 70+30 0 to 40 feet LT (Tri-State Disposal, Site 2212-6, 13903 South Ashland Avenue) – non-special waste. Contaminants of concern sampling parameters: Arsenic.
3. Station 94+80 to Station 98+00 0 to 40 feet RT (CSX Railroad Barr Yard, Site 2212-15, 13500 Block of South Ashland) – non-special waste. Contaminants of concern sampling parameters: Arsenic and Lead.
4. Station 98+00 to Station 103+50 0 to 70 feet RT (Cook County Forest Preserve Little Calumet Boating Center, Site 2212-16, 13300 Block of South Ashland Avenue) – non-special waste. Contaminants of concern sampling parameters: Arsenic.
5. Station 103+50 to Station 105+00 0 to 70 feet RT (Little Calumet River, Site 2212-18, 13000 Block of South Ashland Avenue) – non-special waste. Contaminants of concern sampling parameters: Lead.



Storm Water Pollution Prevention Plan

Route	<u>FAU 2857</u>	Marked Rte.	<u>Ashland Avenue</u>
Section	<u>2011-054-I</u>	Project No.	<u>C-91-594-11</u>
County	<u>Cook</u>	Contract No.	<u>60P64</u>

This plan has been prepared to comply with the provisions of the National Pollutant Discharge Elimination System (NPDES) Permit No. ILR10 (Permit ILR10), issued by the Illinois Environmental Protection Agency (IEPA) for storm water discharges from construction site activities.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Diane O'Keefe, P.E.
 Print Name
Deputy Director of Highways, Region 1 Engineer
 Title
Illinois Department of Transportation
 Agency

Signature
2-8-12
 Date

I. Site Description:

- A. Provide a description of the project location (include latitude and longitude):
 The project is located on Ashland Avenue between Thornton Road and Broadway Road in the City of Blue Island and in the Villages of Dixmoor and Riverdale, Cook County, Illinois. Latitude 41.6471 North, Longitude 87.6654 West
- B. Provide a description of the construction activity which is the subject of this plan:
 The project consists of Drainage and Safety Improvements and Roadway Resurfacing. Work items include Pavement Milling and Resurfacing, Storm Sewer, Curb & Gutter, Sidewalk, Guardrail, Signing, Pavement Marking and Landscaping.
- C. Provide the estimated duration of this project:
 6 Months
- D. The total area of the construction site is estimated to be 18.38 acres.
 The total area of the site estimated to be disturbed by excavation, grading or other activities is 1.73 acres.
- E. The following is a weighted average of the runoff coefficient for this project after construction activities are completed:
 Existing and Proposed 0.48
- F. List all soils found within project boundaries. Include map unit name, slope information, and erosivity:
 No published soils information is available for this project area
- G. Provide an aerial extent of wetland acreage at the site:
 Wetland Site 1 (Little Calumet River) consisting of 0.61 Acres of wetland and 3.15 Acres of WOUS within the

project corridor is located on Ashland Avenue from Sta. 64+33, Rt. to 65+03, Lt. and from 104+25, Rt. to 106+54, Lt. No impact to either the wetland nor the WOUS are anticipated.
Wetland Site 2 consisting of 0.06 Acres of Wetland is located on Thornton Road beyond the limits of this project.
Wetland Site 4 is consisting of 0.54 acres, an isolated wetland located outside of the project corridor

- H. Provide a description of potentially erosive areas associated with this project:

Roadside ditch grading from Sta 69+61 to 77+69, left and from 72+71 to 91+25, right are potentially erosive areas.

- I. The following is a description of soil disturbing activities by stages, their locations, and their erosive factors (e.g. steepness of slopes, length of slopes, etc):

PRE-STAGE.

1. Remove median curb & gutter and surface from sta 61+42 to 65+59 and
2. Place temporary pavement.

STAGE 1

1. Installation of ESC measures such as Perimeter Erosion Barrier and Ditch Checks on the northbound side of Ashland Avenue
2. Removal of concrete curb & gutter and sidewalk on northbound side of Ashland Avenue.
3. Pavement removal and construction of storm sewer on northbound side of Ashland Avenue. Install Inlet Filters as construction progresses.
4. Construct concrete curb & gutter, concrete barrier base, concrete barrier, guardrail and sidewalk on the northbound side of Ashland Avenue
5. Pavement patching on northbound side of Ashland Avenue.
6. Ditch grading from sta. 72+71 to sta. 91+25, right.
7. Placement of permanent measures such as seeding/sodding in disturbed areas.

STAGE 2

1. Installation of ESC measures such as Perimeter Erosion Barrier and Ditch Checks on the southbound side of Ashland Avenue
2. Removal of concrete curb & gutter on southbound side of Ashland Avenue.
3. Pavement removal and construction of storm sewer on southbound side of Ashland Avenue. Install Inlet Filters as construction progresses.
4. Construct concrete curb & gutter, concrete barrier base, concrete barrier, guardrail and sidewalk on southbound side of Ashland Avenue.
5. Pavement patching on southbound side of Ashland Avenue.
6. Ditch grading from sta. 69+61 to sta. 77+69 left.
7. Placement of permanent measures such as seeding/sodding in disturbed areas.

- J. See the erosion control plans and/or drainage plans for this contract for information regarding drainage patterns, approximate slopes anticipated before and after major grading activities, locations where vehicles enter or exit the site and controls to prevent offsite sediment tracking (to be added after contractor identifies locations), areas of soil disturbance, the location of major structural and non-structural controls identified in the plan, the location of areas where stabilization practices are expected to occur, surface waters (including wetlands) and locations where storm water is discharged to surface water including wetlands.

- K. Identify who owns the drainage system (municipality or agency) this project will drain into:

The Illinois Department of Transportation owns the storm sewers that discharge to the Little Calumet River at Station 59+00, at 79+50 and at 104+31. The Village of Riverdale owns the storm sewer that discharges through the Forest Preserve of Cook County to the Little Calumet River at Stations 69+50 and at 92+50.

- L. The following is a list of receiving water(s) and the ultimate receiving water(s) for this site. The location of the receiving waters can be found on the erosion and sediment control plans:

The project immediate receiving water is the Little Calumet River. The ultimate receiving water is the Des Plaines River.

- M. Describe areas of the site that are to be protected or remain undisturbed. These areas may include steep slopes, highly erodible soils, streams, stream buffers, specimen trees, natural vegetation, nature preserves, etc.

The majority of the site (16.65 Acres of the 18.38 Acre total) will remain undisturbed.

- N. The following sensitive environmental resources are associated with this project, and may have the potential to be

impacted by the proposed development:

- Floodplain
- Wetland Riparian
- Threatened and Endangered Species
- Historic Preservation
- 303(d) Listed receiving waters for suspended solids, turbidity, or siltation
- Receiving waters with Total Maximum Daily Load (TMDL) for sediment, total suspended solids, turbidity or siltation
- Applicable Federal, Tribal, State or Local Programs
- Forest Preserve District of Cook County Little Calumet Boat Launch, and drainage through Calumet Woods.

1. 303(d) Listed receiving waters (fill out this section if checked above):

Little Calumet River

a. The name(s) of the listed water body, and identification of all pollutants causing impairment:

The segment of the Little Calumet River (IL HB-01) serving as the immediate receiving water is listed on the IEPA 303(d) list as impaired for chlordane, endrin, fluoride, hexachlorobenzene, oil & grease, fecal coliform, total phosphorus and sedimentation/siltation. Downstream of the project, the next reach (HA-04) of the Little Calumet River is listed on the IEPA 303(d) list as impaired for mercury and polychlorinated bi-phenyls (PCBs).

b. Provide a description of how erosion and sediment control practices will prevent a discharge of sediment resulting from a storm event equal to or greater than a twenty-five (25) year, twenty-four (24) hour rainfall event:

The potential that construction activities performed onsite to impact the impaired Little Calumet River is reduced by the construction BMPs (temporary erosion control seeding, temporary ditch checks, perimeter erosion control barrier, inlet filters, etc) in this plan. There is unlikely to be quantities of soluble phosphorus, chlordane, endrin, fluoride, hexachlorobenzene, mercury, or PCBs discharged. Portable toilets will be placed away from inlets and water courses. Liquids including oil and grease will be properly stored on secondary containment devices.

c. Provide a description of the location(s) of direct discharge from the project site to the 303(d) water body:

The project site discharges directly to the Little Calumet River at approximate Stations 57+50, 60+00, 104+31, and 106+10.

d. Provide a description of the location(s) of any dewatering discharges to the MS4 and/or water body:

If dewatering operations are necessary as part of the project, the contractor shall prepare a dewatering plan for acceptance by the department. The contractor shall not dewater until this plan is accepted by the RE. Variations from this plan are subject to the NPDES ESC Deficiency Deduction.

2. TMDL (fill out this section if checked above)

a. The name(s) of the listed water body:

b. Provide a description of the erosion and sediment control strategy that will be incorporated into the site design that is consistent with the assumptions and requirements of the TMDL:

c. If a specific numeric waste load allocation has been established that would apply to the project's discharges, provide a description of the necessary steps to meet that allocation:

O. The following pollutants of concern will be associated with this construction project:

- | | |
|---|--|
| <input checked="" type="checkbox"/> Soil Sediment | <input checked="" type="checkbox"/> Petroleum (gas, diesel, oil, kerosene, hydraulic oil / fluids) |
| <input checked="" type="checkbox"/> Concrete | <input checked="" type="checkbox"/> Antifreeze / Coolants |
| <input checked="" type="checkbox"/> Concrete Truck Waste | <input type="checkbox"/> Waste water from cleaning construction equipment |
| <input checked="" type="checkbox"/> Concrete Curing Compounds | <input type="checkbox"/> Other (specify) |
| <input checked="" type="checkbox"/> Solid Waste Debris | <input type="checkbox"/> Other (specify) |
| <input checked="" type="checkbox"/> Paints | <input type="checkbox"/> Other (specify) |
| <input checked="" type="checkbox"/> Solvents | <input type="checkbox"/> Other (specify) |
| <input checked="" type="checkbox"/> Fertilizers / Pesticides | <input type="checkbox"/> Other (specify) |

This section of the plan addresses the controls that will be implemented for each of the major construction activities described in I.C. above and for all use areas, borrow sites, and waste sites. For each measure discussed, the Contractor will be responsible for its implementation as indicated. The Contractor shall provide to the Resident Engineer a plan for the implementation of the measures indicated. The Contractor, and subcontractors, will notify the Resident Engineer of any proposed changes, maintenance, or modifications to keep construction activities compliant with the Permit ILR10. Each such Contractor has signed the required certification on forms which are attached to, and are a part of, this plan:

A. Erosion and Sediment Controls

1. **Stabilized Practices:** Provided below is a description of interim and permanent stabilization practices, including site specific scheduling of the implementation of the practices. Site plans will ensure that existing vegetation is preserved where attainable and disturbed portions of the site will be stabilized. Stabilization practices may include but are not limited to: temporary seeding, permanent seeding, mulching, geotextiles, sodding, vegetative buffer strips, protection of trees, preservation of mature vegetation, and other appropriate measures. Except as provided below in II(A)(1)(a) and II(A)(3), stabilization measures shall be initiated as soon as practicable in portions of the site where construction activities have temporarily or permanently ceased, but in no case more than seven (7) days after the construction activity in that portion of the site has temporarily or permanently ceases on all disturbed portions of the site where construction will not occur for a period of fourteen (14) or more calendar days.

Where the initiation of stabilization measures by the seventh day after construction activity temporarily or permanently ceases is precluded by snow cover, stabilization measures shall be initiated as soon as practicable thereafter.

The following stabilization practices will be used for this project:

- | | |
|---|--|
| <input checked="" type="checkbox"/> Preservation of Mature Vegetation | <input checked="" type="checkbox"/> Erosion Control Blanket / Mulching |
| <input type="checkbox"/> Vegetated Buffer Strips | <input checked="" type="checkbox"/> Sodding |
| <input checked="" type="checkbox"/> Protection of Trees | <input checked="" type="checkbox"/> Geotextiles |
| <input checked="" type="checkbox"/> Temporary Erosion Control Seeding | <input type="checkbox"/> Other (specify) |
| <input type="checkbox"/> Temporary Turf (Seeding, Class 7) | <input type="checkbox"/> Other (specify) |
| <input type="checkbox"/> Temporary Mulching | <input type="checkbox"/> Other (specify) |
| <input type="checkbox"/> Permanent Seeding | <input type="checkbox"/> Other (specify) |

Describe how the stabilization practices listed above will be utilized during construction:

Temporary Erosion Control Seeding will be provided at a rate of 100 pounds per acre to all bare areas every seven days, regardless of weather conditions or progress of work.
 Sod will be placed as soon as the grading permits, subject to seasonal planting restrictions.
 Geotextile fabric will be used under riprap at storm sewer outfalls.
 Preservation of existing vegetation will be used to assist in the control of sediment from the project and to minimize additional areas of potential runoff.

Describe how the stabilization practices listed above will be utilized after construction activities have been completed:

Sodding is a permanent improvements, the others utilized until construction is stabilized.

2. **Structural Practices:** Provided below is a description of structural practices that will be implemented, to the degree attainable, to divert flows from exposed soils, store flows or otherwise limit runoff and the discharge of pollutants from exposed areas of the site. Such practices may include but are not limited to: perimeter erosion barrier, earth dikes, drainage swales, sediment traps, ditch checks, subsurface drains, pipe slope drains, level spreaders, storm drain inlet protection, rock outlet protection, reinforced soil retaining systems, gabions, and temporary or permanent sediment basins. The installation of these devices may be subject to Section 404 of the Clean Water Act.

The following structural practices will be used for this project:

- | | |
|--|--|
| <input checked="" type="checkbox"/> Perimeter Erosion Barrier | <input checked="" type="checkbox"/> Rock Outlet Protection |
| <input checked="" type="checkbox"/> Temporary Ditch Check | <input checked="" type="checkbox"/> Riprap |
| <input checked="" type="checkbox"/> Storm Drain Inlet Protection | <input type="checkbox"/> Gabions |
| <input type="checkbox"/> Sediment Trap | <input type="checkbox"/> Slope Mattress |
| <input type="checkbox"/> Temporary Pipe Slope Drain | <input type="checkbox"/> Retaining Walls |
| <input type="checkbox"/> Temporary Sediment Basin | <input type="checkbox"/> Slope Walls |

- | | |
|---|--|
| <input type="checkbox"/> Temporary Stream Crossing | <input type="checkbox"/> Concrete Revetment Mats |
| <input checked="" type="checkbox"/> Stabilized Construction Exits | <input type="checkbox"/> Level Spreaders |
| <input type="checkbox"/> Turf Reinforcement Mats | <input checked="" type="checkbox"/> Other (specify) Storm Water Treatment Unit |
| <input type="checkbox"/> Permanent Check Dams | <input type="checkbox"/> Other (specify) |
| <input type="checkbox"/> Permanent Sediment Basin | <input type="checkbox"/> Other (specify) |
| <input type="checkbox"/> Aggregate Ditch | <input type="checkbox"/> Other (specify) |
| <input type="checkbox"/> Paved Ditch | <input type="checkbox"/> Other (specify) |

Describe how the structural practices listed above will be utilized during construction:

Temporary Ditch Checks will be provided in accordance with Figure 41-3B of the BDE Manual with a maximum spacing of 150 feet along the ditch or swale. Two ditch check lines will be placed before every culvert entrance.

Storm Drain Inlet Protection will be provided by placement of Inlet Filters on all drainage structures and by temporary ditch checks (rolled excelsior) for drainage end sections.

Stabilized Construction Exits will be required for all exits from the construction site. Locations to be determined by the contractor.

Use the permanent rip rap called out at culvert and pipe outfall locations to form rock check dams at the perimeter where existing and proposed drainage exits the site. The material can be moved into place when the outlet becomes active.

Riprap will be placed at major culvert outlets.

A Storm Water Treatment Unit shall be used for removal of oil and sediment from storm water during frequent wet weather events and be capable of trapping fine sand, silt, clay and organic particles in addition to larger sand, gravel particles and small floatables.

Describe how the structural practices listed above will be utilized after construction activities have been completed:

Riprap and the Storm Water Treatment Unit are the only permanent improvements, the others are utilized until construction is stabilized

3. **Storm Water Management:** Provided below is a description of measures that will be installed during the construction process to control pollutants in storm water discharges that will occur after construction operations have been completed. The installation of these devices may be subject to Section 404 of the Clean Water Act.

- a. Such practices may include but are not limited to: storm water detention structures (including wet ponds), storm water retention structures, flow attenuation by use of open vegetated swales and natural depressions, infiltration of runoff on site, and sequential systems (which combine several practices).

The practices selected for implementation were determined on the basis of the technical guidance in Chapter 41 (Construction Site Storm Water Pollution Control) of the IDOT Bureau of Design and Environment Manual. If practices other than those discussed in Chapter 41 are selected for implementation or if practices are applied to situations different from those covered in Chapter 41, the technical basis for such decisions will be explained below.

- b. Velocity dissipation devices will be placed at discharge locations and along the length of any outfall channel as necessary to provide a non-erosive velocity flow from the structure to a water course so that the natural physical and biological characteristics and functions are maintained and protected (e.g. maintenance of hydrologic conditions such as the hydroperiod and hydrodynamics present prior to the initiation of construction activities).

Description of storm water management controls:

There will be no deviation from the Illinois Department of Transportation Drainage Manual. Permanent stormwater BMP's include Storm water Treatment Units and scour protection at outlets.

4. **Approved State or Local Laws:** The management practices, controls and provisions contained in this plan will be in accordance with IDOT specifications, which are at least as protective as the requirements contained in the Illinois Environmental Protection Agency's Illinois Urban Manual. Procedures and requirements specified in applicable sediment and erosion site plans or storm water management plans approved by local officials shall be described or incorporated by reference in the space provided below. Requirements specified in sediment and erosion site plans, site permits, storm water management site plans or site permits approved by local officials that are applicable to protecting surface water resources

are, upon submittal of an NOI, to be authorized to discharge under the Permit ILR10 incorporated by reference and are enforceable under this permit even if they are not specifically included in the plan.

Description of procedures and requirements specified in applicable sediment and erosion site plans or storm water management plans approved by local officials:

All management practices, controls and provisions are in accordance with IDOT Specifications

5. **Contractor Required Submittals:** Prior to conducting any professional services at the site covered by this plan, the Contractor and each subcontractor responsible for compliance with the permit shall submit to the Resident Engineer a Contractor Certification Statement, BDE 2342a.
- a. The Contractor shall provide a construction schedule containing an adequate level of detail to show major activities with implementation of pollution prevention BMPs, including the following items:
- Approximate duration of the project, including each stage of the project
 - Rainy season, dry season, and winter shutdown dates
 - Temporary stabilization measures to be employed by contract phases
 - Mobilization timeframe
 - Mass clearing and grubbing/roadside clearing dates
 - Deployment of Erosion Control Practices
 - Deployment of Sediment Control Practices (including stabilized construction entrances/exits)
 - Deployment of Construction Site Management Practices (including concrete washout facilities, chemical storage, refueling locations, etc.)
 - Paving, saw-cutting, and any other pavement related operations
 - Major planned stockpiling operations
 - Timeframe for other significant long-term operations or activities that may plan non-storm water discharges such as dewatering, grinding, etc.
 - Permanent stabilization activities for each area of the project
- b. The Contractor and each subcontractor shall provide, as an attachment to their signed Contractor Certification Statement, a discussion of how they will comply with the requirements of the permit in regard to the following items and provide a graphical representation showing location and type of BMPs to be used when applicable:
- Vehicle Entrances and Exits – Identify type and location of stabilized construction entrances and exits to be used and how they will be maintained.
 - Material Delivery, Storage and Use – Discuss where and how materials including chemicals, concrete curing compounds, petroleum products, etc. will be stored for this project.
 - Stockpile Management – Discuss what BMPs will be used to prevent pollution of storm water from stockpiles.
 - Waste Disposal – Discuss methods of waste disposal that will be used for this project.
 - Spill Prevention and Control – Discuss steps that will be taken in the event of a material spill (chemicals, concrete curing compounds, petroleum, etc.)
 - Concrete Residuals and Washout Wastes – Discuss the location and type of concrete washout facilities to be used on this project and how they will be signed and maintained.
 - Litter Management – Discuss how litter will be maintained for this project (education of employees, number of dumpsters, frequency of dumpster pick-up, etc.).
 - Vehicle and Equipment Fueling – Identify equipment fueling locations for this project and what BMPs will be used to ensure containment and spill prevention.
 - Vehicle and Equipment Cleaning and Maintenance – Identify where equipment cleaning and maintenance locations for this project and what BMPs will be used to ensure containment and spill prevention.
 - The contractor shall provide a plan to prevent sediment from being eroded during the installation of storm sewers and ditch grading. Sediment that gets into the storm sewer during construction must not reach the Little Calumet River except as the result of a storm greater than the 24-hour 25-year event. The plan shall be acceptable to the RE. Inadequacy of the plan shall result in a NPDES ESC Deficiency Deduction.
 - Additional measures indicated in the plan.

III. Maintenance:

When requested by the Contractor, the Resident Engineer will provide general maintenance guides to the Contractor for the practices associated with this project. The following additional procedures will be used to maintain, in good and effective operating conditions, the vegetation, erosion and sediment control measures and other protective measures identified in this plan. It will be the Contractor's responsibility to attain maintenance guidelines for any manufactured BMPs which are to be installed and maintained per manufacture's specifications.

All ESC measures shall be maintained in accordance with the IDOT Erosion and Sediment Control Field Guide for Construction Inspection (Dated July 1, 2010) and available at:
http://www.dot.il.gov/desenv/environmental/IDOT_20%Field20%Guide.pdf

and
IDOT's Best Management practices - Maintenance Guidelines available at:
<http://www.dot.state.il.us/desenv/environmental/bestpractices.html>

All maintenance of ESC systems shall be the responsibility of the contractor.

The Contractor shall name a person at the preconstruction meeting who shall be on the jobsite and who is responsible for assuring that the erosion control work is completed in a timely manner

IV Inspections:

Qualified personnel shall inspect disturbed areas of the construction site which have not yet been finally stabilized, structural control measures, and locations where vehicles and equipment enter and exit the site using IDOT Storm Water Pollution Prevention Plan Erosion Control Inspection Report (BC 2259). Such inspections shall be conducted at least once every seven (7) calendar days and within twenty-four (24) hours of the end of a storm that is 0.5 inch or greater or equivalent snowfall.

If any violation of the provisions of this plan is identified during the conduct of the construction work covered by this plan, the Resident Engineer shall notify the appropriate IEPA Field Operations Section office by email at epa.swnoncomp@illinois.gov, telephone or fax within twenty-four (24) hours of the incident. The Resident Engineer shall then complete and submit an "Incidence of Non-Compliance" (ION) report for the identified violation within five (5) days of the incident. The Resident Engineer shall use forms provided by IEPA and shall include specific information on the cause of noncompliance, actions which were taken to prevent any further causes of noncompliance, and a statement detailing any environmental impact which may have resulted from the noncompliance. All reports of non-compliance shall be signed by a responsible authority in accordance with Part VI. G of the Permit ILR10.

The Incidence of Non-Compliance shall be mailed to the following address:

Illinois Environmental Protection Agency
Division of Water Pollution Control
Attn: Compliance Assurance Section
1021 North Grand East
Post Office Box 19276
Springfield, Illinois 62794-9276

V. Failure to Comply:

Failure to comply with any provisions of this Storm Water Pollution Prevention Plan will result in the implementation of a National Pollutant Discharge Elimination System/Erosion and Sediment Control Deficiency Deduction against the Contractor and/or penalties under the Permit ILR10 which could be passed on to the Contractor.



Contractor Certification Statement

Prior to conducting any professional services at the site covered by this contract, the Contractor and every subcontractor must complete and return to the Resident Engineer the following certification. A separate certification must be submitted by each firm. Attach to this certification all items required by Section II.5 of the Storm Water Pollution Prevention Plan (SWPPP) which will be handled by the Contractor/subcontractor completing this form.

Route	<u>FAU 2857</u>	Marked Rte.	<u>Ashland Avenue</u>
Section	<u>2011-054-I</u>	Project No.	<u>C-91-594-11</u>
County	<u>Cook</u>	Contract No.	<u>60P64</u>

This certification statement is a part of the SWPPP for the project described above, in accordance with the General NPDES Permit No. ILR10 issued by the Illinois Environmental Protection Agency.

I certify under penalty of law that I understand the terms of the Permit No. ILR 10 that authorizes the storm water discharges associated with industrial activity from the construction site identified as part of this certification.

In addition, I have read and understand all of the information and requirements stated in the SWPPP for the above mentioned project; I have received copies of all appropriate maintenance procedures; and, I have provided all documentation required to be in compliance with the Permit ILR10 and SWPPP and will provide timely updates to these documents as necessary.

- Contractor
- Sub-Contractor

_____	_____
Print Name	Signature
_____	_____
Title	Date
_____	_____
Name of Firm	Telephone
_____	_____
Street Address	City/State/ZIP

Items which this Contractor/subcontractor will be responsible for as required in Section II.5. of the SWPPP:

