



Illinois Department of Transportation

2300 South Dirksen Parkway / Springfield, Illinois / 62764

September 19, 2011

SUBJECT: FAP Route 332 (IL 394)
Section 0101.1 BR-3
Cook County
Contract No. 62421
Item No. 14, September 23, 2011 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. Revised the Proposal Cover page, pages 2, 20, 21 & 22 of the Proposal Package revising the Route number.
2. Revised Contractor Office Copy of Contract Specifications page, revising the Route number.
3. Revised the Notice to Bidders page, revising the Route number.
4. Replaced the Schedule of Prices, revising the Route number.
5. Revised page iii of the Table of Contents to the Special Provisions.
6. Added pages 136 - 143 to the Special Provisions.

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,

Scott E. Stitt, P.E.
Acting Engineer of Design and Environment

A handwritten signature in cursive script, reading "Ted B. Walschleger" followed by a small "P.E." to the right.

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

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

TBW:MS:jc

RETURN WITH BID

14

Proposal Submitted By
Name
Address
City

Letting September 23, 2011

NOTICE TO PROSPECTIVE BIDDERS

This proposal can be used for bidding purposes by only those companies that request and receive written AUTHORIZATION TO BID from IDOT's Central Bureau of Construction. This does not apply to Small Business Set-Asides.

(SEE INSTRUCTIONS ON THE INSIDE OF COVER)

BIDDERS NEED NOT RETURN THE ENTIRE PROPOSAL
(See instructions inside front cover)

Notice to Bidders, Specifications, Proposal, Contract and Contract Bond



**Illinois Department
of Transportation**

Springfield, Illinois 62764

Contract No. 62421

COOK County

Section 0101.1BR-3

Route FAP 332

District 1 Construction Funds

PLEASE MARK THE APPROPRIATE BOX BELOW:

- A Bid Bond is included.
- A Cashier's Check or a Certified Check is included.

Prepared by

S

Checked by

(Printed by authority of the State of Illinois)

Revised 09/19/2011

RETURN WITH BID



PROPOSAL

TO THE DEPARTMENT OF TRANSPORTATION

1. Proposal of _____

Taxpayer Identification Number (Mandatory) _____ a

for the improvement identified and advertised for bids in the Invitation for Bids as:

**Contract No. 62421
COOK County
Section 0101.1BR-3
Route FAP 332
District 1 Construction Funds**

Removal and replacement of the superstructure, raising the bridge to increase vertical clearance and other work to the structure carrying Joe Orr Road over IL Route 394 (SN 016-2121) located in Lynwood.

2. The undersigned bidder will furnish all labor, material and equipment to complete the above described project in a good and workmanlike manner as provided in the contract documents provided by the Department of Transportation. This proposal will become part of the contract and the terms and conditions contained in the contract documents shall govern performance and payments.

RETURN WITH BID

**Contract No. 62421
COOK County
Section 0101.1BR-3
Route FAP 332
District 1 Construction Funds**

PART II. WORKFORCE PROJECTION - continued

- B. Included in "Total Employees" under Table A is the total number of **new hires** that would be employed in the event the undersigned bidder is awarded this contract.

The undersigned bidder projects that: (number) _____ new hires would be recruited from the area in which the contract project is located; and/or (number) _____ new hires would be recruited from the area in which the bidder's principal office or base of operation is located.

- C. Included in "Total Employees" under Table A is a projection of numbers of persons to be employed directly by the undersigned bidder as well as a projection of numbers of persons to be employed by subcontractors.

The undersigned bidder estimates that (number) _____ persons will be directly employed by the prime contractor and that (number) _____ persons will be employed by subcontractors.

PART III. AFFIRMATIVE ACTION PLAN

- A. The undersigned bidder understands and agrees that in the event the foregoing minority and female employee utilization projection included under **PART II** is determined to be an underutilization of minority persons or women in any job category, and in the event that the undersigned bidder is awarded this contract, he/she will, prior to commencement of work, develop and submit a written Affirmative Action Plan including a specific timetable (geared to the completion stages of the contract) whereby deficiencies in minority and/or female employee utilization are corrected. Such Affirmative Action Plan will be subject to approval by the contracting agency and the **Department of Human Rights**.
- B. The undersigned bidder understands and agrees that the minority and female employee utilization projection submitted herein, and the goals and timetable included under an Affirmative Action Plan if required, are deemed to be part of the contract specifications.

Company _____ Telephone Number _____

Address _____

NOTICE REGARDING SIGNATURE

The Bidder's signature on the Proposal Signature Sheet will constitute the signing of this form. The following signature block needs to be completed if revisions are required.

Signature: _____ Title: _____ Date: _____

- Instructions: All tables must include subcontractor personnel in addition to prime contractor personnel.
- Table A - Include both the number of employees that would be hired to perform the contract work and the total number currently employed (Table B) that will be allocated to contract work, and include all apprentices and on-the-job trainees. The "Total Employees" column should include all employees including all minorities, apprentices and on-the-job trainees to be employed on the contract work.
- Table B - Include all employees currently employed that will be allocated to the contract work including any apprentices and on-the-job trainees currently employed.
- Table C - Indicate the racial breakdown of the total apprentices and on-the-job trainees shown in Table A.

RETURN WITH BID
Contract No. 62421
COOK County
Section 0101.1BR-3
Route FAP 332
District 1 Construction Funds

PROPOSAL SIGNATURE SHEET

The undersigned bidder hereby makes and submits this bid on the subject Proposal, thereby assuring the Department that all requirements of the Invitation for Bids and rules of the Department have been met, that there is no misunderstanding of the requirements of paragraph 3 of this Proposal, and that the contract will be executed in accordance with the rules of the Department if an award is made on this bid.

(IF AN INDIVIDUAL)

Firm Name _____

Signature of Owner _____

Business Address _____

(IF A CO-PARTNERSHIP)

Firm Name _____

By _____

Business Address _____

Name and Address of All Members of the Firm:

(IF A CORPORATION)

Corporate Name _____

By _____

Signature of Authorized Representative

Typed or printed name and title of Authorized Representative

Attest _____

Signature

(IF A JOINT VENTURE, USE THIS SECTION FOR THE MANAGING PARTY AND THE SECOND PARTY SHOULD SIGN BELOW)

Business Address _____

(IF A JOINT VENTURE)

Corporate Name _____

By _____

Signature of Authorized Representative

Typed or printed name and title of Authorized Representative

Attest _____

Signature

Business Address _____

If more than two parties are in the joint venture, please attach an additional signature sheet.

CONTRACTOR OFFICE COPY OF CONTRACT SPECIFICATIONS

NOTICE

None of the following material needs to be returned with the bid package unless the special provisions require documentation and/or other information to be submitted.

Contract No. 62421
COOK County
Section 0101.1BR-3
Route FAP 332
District 1 Construction Funds



Illinois Department of Transportation

Revised 09/19/2011



NOTICE TO BIDDERS

1. **TIME AND PLACE OF OPENING BIDS.** Sealed proposals for the improvement described herein will be received by the Department of Transportation at the Harry R. Hanley Building, 2300 South Dirksen Parkway, in Springfield, Illinois until 10:00 o'clock a.m., September 23, 2011. All bids will be gathered, sorted, publicly opened and read in the auditorium at the Department of Transportation's Harry R. Hanley Building shortly after the 10:00 a.m. cut off time.

2. **DESCRIPTION OF WORK.** The proposed improvement is identified and advertised for bids in the Invitation for Bids as:

**Contract No. 62421
COOK County
Section 0101.1BR-3
Route FAP 332
District 1 Construction Funds**

Removal and replacement of the superstructure, raising the bridge to increase vertical clearance and other work to the structure carrying Joe Orr Road over IL Route 394 (SN 016-2121) located in Lynwood.

3. **INSTRUCTIONS TO BIDDERS.** (a) This Notice, the invitation for bids, proposal and letter of award shall, together with all other documents in accordance with Article 101.09 of the Standard Specifications for Road and Bridge Construction, become part of the contract. Bidders are cautioned to read and examine carefully all documents, to make all required inspections, and to inquire or seek explanation of the same prior to submission of a bid.

(b) State law, and, if the work is to be paid wholly or in part with Federal-aid funds, Federal law requires the bidder to make various certifications as a part of the proposal and contract. By execution and submission of the proposal, the bidder makes the certification contained therein. A false or fraudulent certification shall, in addition to all other remedies provided by law, be a breach of contract and may result in termination of the contract.

4. **AWARD CRITERIA AND REJECTION OF BIDS.** This contract will be awarded to the lowest responsive and responsible bidder considering conformity with the terms and conditions established by the Department in the rules, Invitation for Bids and contract documents. The issuance of plans and proposal forms for bidding based upon a prequalification rating shall not be the sole determinant of responsibility. The Department reserves the right to determine responsibility at the time of award, to reject any or all proposals, to readvertise the proposed improvement, and to waive technicalities.

By Order of the
Illinois Department of Transportation

Ann L Schneider,
Acting Secretary

Revised 09/19/2011

ILLINOIS DEPARTMENT OF TRANSPORTATION
 SCHEDULE OF PRICES
 CONTRACT
 NUMBER - 62421

State Job # - C-91-130-02
 PPS NBR - 1-76004-0100
 County Name - COOK- -
 Code - 31 - -
 District - 1 - -
 Section Number - 0101.1BR-3

Project Number

Route

* FAP 332

* Revised 8/19/2011

Item Number	Pay Item Description	Unit of Measure	Quantity	x	Unit Price	=	Total Price
X2070304	POROUS GRAN EMB SPEC	CU YD	76.000				
X5539700	SS CLEANED	FOOT	181.000				
X7010216	TRAF CONT & PROT SPL	L SUM	1.000				
X7011015	TR C-PROT EXPRESSWAYS	L SUM	1.000				
X8140115	HANDHOLE TO BE ADJUST	EACH	1.000				
Z0001050	AGG SUBGRADE 12	SQ YD	1,853.000				
Z0012754	STR REP CON DP = < 5	SQ FT	101.000				
Z0013798	CONSTRUCTION LAYOUT	L SUM	1.000				
Z0018004	DRAINAGE SCUPPR DS-12	EACH	4.000				
Z0018500	DRAINAGE STR CLEANED	EACH	4.000				
Z0018800	DRAINAGE SYSTEM	L SUM	1.000				
Z0026346	NIGHT WORK ZONE LIGHT	L SUM	1.000				
Z0030250	IMP ATTN TEMP NRD TL3	EACH	2.000				
Z0030251	IMP ATTN TEMP NRN TL3	EACH	2.000				
Z0030850	TEMP INFO SIGNING	SQ FT	200.000				

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* Revised 8/19/2011

Item Number	Pay Item Description	Unit of Measure	Quantity	x	Unit Price	=	Total Price
Z0046304	P UNDR FOR STRUCT 4	FOOT	90.000				
20100110	TREE REMOV 6-15	UNIT	128.000				
20100210	TREE REMOV OVER 15	UNIT	57.000				
20101100	TREE TRUNK PROTECTION	EACH	1.000				
20101350	TREE PRUN OVER 10	EACH	1.000				
20200100	EARTH EXCAVATION	CU YD	1,132.000				
20400800	FURNISHED EXCAVATION	CU YD	1,167.000				
20800150	TRENCH BACKFILL	CU YD	87.000				
21101505	TOPSOIL EXC & PLAC	CU YD	662.000				
25000300	SEEDING CL 3	ACRE	1.500				
25000400	NITROGEN FERT NUTR	POUND	131.000				
25000500	PHOSPHORUS FERT NUTR	POUND	131.000				
25000600	POTASSIUM FERT NUTR	POUND	131.000				
25100135	MULCH METHOD 4	ACRE	1.500				
25100630	EROSION CONTR BLANKET	SQ YD	7,044.000				

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Item Number	Pay Item Description	Unit of Measure	Quantity	x	Unit Price	=	Total Price
28000250	TEMP EROS CONTR SEED	POUND	146.000				
28000400	PERIMETER EROS BAR	FOOT	1,844.000				
28000500	INLET & PIPE PROTECT	EACH	2.000				
28000510	INLET FILTERS	EACH	11.000				
28100107	STONE RIPRAP CL A4	SQ YD	12.000				
28200200	FILTER FABRIC	SQ YD	12.000				
40600100	BIT MATLS PR CT	GALLON	596.000				
40701921	HMA PAVT FD 12	SQ YD	930.000				
42001430	BR APPR PVT CON (FLX)	SQ YD	562.000				
42400200	PC CONC SIDEWALK 5	SQ FT	77.000				
44000100	PAVEMENT REM	SQ YD	1,543.000				
44000500	COMB CURB GUTTER REM	FOOT	1,022.000				
50101500	REM EXIST SUP-STR	EACH	1.000				
50102400	CONC REM	CU YD	19.100				
50104650	SLOPE WALL REMOV	SQ YD	450.000				

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Item Number	Pay Item Description	Unit of Measure	Quantity	x	Unit Price	=	Total Price
50157300	PROTECTIVE SHIELD	SQ YD	921.000				
50200100	STRUCTURE EXCAVATION	CU YD	88.000				
50300225	CONC STRUCT	CU YD	82.500				
50300255	CONC SUP-STR	CU YD	475.200				
50300260	BR DECK GROOVING	SQ YD	826.000				
50300300	PROTECTIVE COAT	SQ YD	1,440.000				
50500105	F & E STRUCT STEEL	L SUM	1.000				
50500505	STUD SHEAR CONNECTORS	EACH	3,960.000				
50800205	REINF BARS, EPOXY CTD	POUND	118,800.000				
50800515	BAR SPLICERS	EACH	82.000				
50901730	BRIDGE FENCE RAILING	FOOT	549.000				
51100100	SLOPE WALL 4	SQ YD	536.000				
51500100	NAME PLATES	EACH	1.000				
52000110	PREF JT STRIP SEAL	FOOT	88.500				
52100010	ELAST BEARING ASSY T1	EACH	12.000				

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Item Number	Pay Item Description	Unit of Measure	Quantity	x	Unit Price	=	Total Price
52100020	ELAST BEARING ASSY T2	EACH	12.000				
52100530	ANCHOR BOLTS 1 1/4	EACH	60.000				
54213447	END SECTIONS 12	EACH	4.000				
58700300	CONCRETE SEALER	SQ FT	50.000				
59000200	EPOXY CRACK INJECTION	FOOT	61.000				
59100100	GEOCOMPOSITE WALL DR	SQ YD	52.000				
60100060	CONC HDWL FOR P DRAIN	EACH	2.000				
60100915	PIPE DRAINS 6	FOOT	215.000				
60100945	PIPE DRAINS 12	FOOT	312.000				
60107600	PIPE UNDERDRAINS 4	FOOT	71.000				
60108100	PIPE UNDERDRAIN 4 SP	FOOT	45.000				
60201340	CB TA 4 DIA T24F&G	EACH	4.000				
60255500	MAN ADJUST	EACH	2.000				
60262700	INLETS RECONST	EACH	2.000				
60263100	INL RECON NEW T3F&G	EACH	2.000				

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 District - 1 - -
 Section Number - 0101.1BR-3

Project Number

Route

* FAP 332

* Revised 8/19/2011

Item Number	Pay Item Description	Unit of Measure	Quantity	x	Unit Price	=	Total Price
60605000	COMB CC&G TB6.24	FOOT	1,005.000				
60900515	CONC THRUST BLOCKS	EACH	4.000				
63000001	SPBGR TY A 6FT POSTS	FOOT	1,200.000				
63100045	TRAF BAR TERM T2	EACH	2.000				
63100085	TRAF BAR TERM T6	EACH	4.000				
63100169	TR BAR TRM T1 SPL FLR	EACH	2.000				
63200310	GUARDRAIL REMOV	FOOT	1,608.000				
67000400	ENGR FIELD OFFICE A	CAL MO	12.000				
67100100	MOBILIZATION	L SUM	1.000				
70103815	TR CONT SURVEILLANCE	CAL DA	66.000				
70400100	TEMP CONC BARRIER	FOOT	350.000				
70400200	REL TEMP CONC BARRIER	FOOT	275.000				
72400720	RELOC SIGN PANEL T2	SQ FT	44.000				
72900100	METAL POST TY A	FOOT	85.000				
73000100	WOOD SIN SUPPORT	FOOT	59.000				

TRUCK MOUNTED/TRAILER MOUNTED ATTENUATORS (BDE) 113
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Revised 09/19/2011

STORM WATER POLLUTION PREVENTION PLAN



Storm Water Pollution Prevention Plan

Route	<u>F.A.P. Route 332</u>	Marked Rte.	<u>Joe Orr Road</u>
Section	<u>0101.1 BR-3</u>	Project No.	<u>C-91-130-02</u>
County	<u>Cook</u>	Contract No.	<u>62421</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
Print Name
Deputy Director, Region 1 Engineer
Title
Illinois Department of Transportation
Agency

Signature
6-20-11
Date

I. Site Description:

- A. Provide a description of the project location (include latitude and longitude):

This project begins at Sta. 1+82.79 of Joe Orr Road, and continues east across the bridge over Illinois Route 394 to Sta. 9+69.13 in the Village of Lynwood, Cook County. The project is located at 41° 31' 15", -87° 34' 55".

- B. Provide a description of the construction activity which is the subject of this plan:

Project includes earthwork, drainage, pavement removal and replacement, new guardrail, superstructure removal and replacement, and modifications to substructure necessary to increase Joe Orr roadway profile

- C. Provide the estimated duration of this project:

12 months

- D. The total area of the construction site is estimated to be 2.5 acres.

The total area of the site estimated to be disturbed by excavation, grading or other activities is 1.3 acres.

- E. The following is a weighted average of the runoff coefficient for this project after construction activities are completed:

Post-development: $c = 0.58$. Pre-development: $c = 0.58$.

- F. List all soils found within project boundaries. Include map unit name, slope information, and erosivity:

Milford silty clay loam, 0 to 2 percent slopes (K value = 0.20 - 0.60) and orthents, clayey, undulating (K value = 0.02 - 0.06) are soils that are found within the project boundaries. Both of these soil types are classified into Hydrologic Soil Groups D.

- G. Provide an aerial extent of wetland acreage at the site:

There are no wetlands within the project site.

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

Proposed 1V:3H side slopes are potentially erosive

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):

Furnishing excavation, installation of storm sewer pipes and structures, construction of roadbed, finish grading, some 1V:3H side slopes. These side slopes will be stabilized by permanent seeding and erosion control blankets after final grading is complete.

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:

Village of Lynwood

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 site discharges into a municipal storm sewer system owned by the Village of Lynwood. The municipal storm sewer system likely discharges to Deer Creek. Deer Creek is a tributary to Thom Creek and the ultimate receiver is the Calumet River. Deer Creek (Segment IL_HBDL-02) is listed on the IEPA 303(d) list as impaired for total phosphorus, siltation/sedimentation, and fecal coliform. Deer Creek is not a "Biologically Significant Water".

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.

One large tree at the northwest corner of the bridge shall have tree trunk protection, as well as tree pruning.

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
- Other

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

n/a

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

n/a

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:

n/a

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

n/a

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

n/a

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

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

n/a

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:

n/a

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:

n/a

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 checked="" 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) |

II. Controls:

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

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

Earthwork limits will be minimized. Tree protection will be provided prior to commencement of construction. Temporary seeding and mulching will be applied on all disturbed areas within 7 days of disturbance if the

area

area is to remain inactive for 14 days. Permanent seeding will be applied immediately after final grading is complete. Erosion control blanket will be applied where grades are steeper than 4:1. Mulch Method 4 (compost) in conjunction with surface roughing will be utilized as temporary stabilization on the bridge embankment.

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

Grading and permanent seeding establishes permanent vegetative cover to stabilize disturbed or exposed areas in order to reduce erosion and create a landscape that enhances soil permeability and the filtering of runoff pollutants. As grading is completed, permanent seeding and mulching will be established as soon as practicable.

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 type="checkbox"/> Temporary Ditch Check | <input 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 type="checkbox"/> Other (specify) |
| <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:

A perimeter erosion barrier will be installed prior to any excavation. The storm drain inlet protection will be used for all inlets within the project site. Rock outlet protection will be used at all proposed end sections. Perimeter erosion barrier promotes sedimentation of sheet-flow runoff prior to discharge from the construction site. Storm drain inlet protection impounds water behind the barrier allowing sediment to drop out before the water enters the inlet. Outlet protection prevents erosion by slowing the velocity of concentrated flows and are employed wherever concentrated flows are conveyed at erosive velocities. Stabilized construction exits reduce the tracking of mud and dirt off the site by construction vehicles.

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

Perimeter erosion barrier and storm drain inlet protection shall be removed when construction activities have been completed. Rock outlet protection will continue to prevent erosion at four locations of concentrated flow.

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:

Slopes throughout the project do not exceed 1V:3H. Permanent seeding on disturbed areas will provide grass lining to limit erosion.

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:

Grading and permanent seeding establishes permanent vegetative cover to stabilize disturbed or exposed areas in order to reduce erosion and create a landscape that enhances soil permeability and the filtering of runoff pollutants. Perimeter erosion barrier promotes sedimentation of sheet-flow runoff prior to discharge from the construction site. Storm drain inlet protection impounds water behind the barrier allowing sediment to drop out before the water enters the inlet.

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.
- 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.

Protection of Trees - Trees should be inspected every 7 days for damage to trunks, mounding of soil around the trunk, evidence of root damage, and evidence of improper pruning.

Temporary Erosion Control Seeding - Inspect for bare spots, wash-outs, and healthy growth. The contractor is responsible for maintaining planted areas until growth has reached 3" in height and 70% of the disturbed area is adequately protected by growth.

Temporary Mulching - Inspect periodically for rill erosion and uniform coverage. Where mulch has been displaced, the seeding and mulch should be replaced immediately. Inspections shall occur until seeded areas are firmly established or soil stabilization is no longer required.

Permanent Seeding - Inspect for bare spots, wash-outs, and healthy growth. The contractor is responsible for maintaining planted areas until growth has reached 3" in height and 70% of the disturbed area is adequately protected by growth.

Erosion Control Blanket/Mulching - Check periodically for damage due to water running under the blanket or if the blanket has been displaced by wind. If water has seeped under the blanket, provide additional anchorage and re-seed where necessary.

Surface Roughing - Slope shall be inspected after every runoff-producing rain and repairs made as needed. Fill any eroded areas to slightly above the original grade, re-roughen the surface, then re-seed and mulch as soon as possible.

Perimeter Erosion Barrier - Inspect weekly for proper anchorage and leakage underneath. Fencing is to be inspected for tears and replaced as necessary within 24 hours of report. Built-up sediment is to be removed from silt fence when it has reached 1/3 of the height of the barrier. Sediment that is removed is to be placed in a stabilized location on site to prevent re-entry into the same or another entrapment area.

Storm Drain Inlet Protection (Inlet Filters) - Remove sediment from inlet filter basket when basket is 25% full or 50% of the fabric pores are covered with silt. Remove ponded water on road surfaces immediately. Clean filter if there is water standing in the filter for more than 1 hour following a rain event. Remove trash accumulated around or on top of practice. Replace filter if tears are observed.

Stabilized Construction Exits - Inspect periodically and after each rain. Provide additional aggregate where necessary.

Rock Outlet Protection - Inspect after heavy rains to determine if any erosion around or below the riprap has taken place or if stones have been dislodged. Immediately make all needed repairs to prevent further damage.

All maintenance of ESC is the responsibility of the contractor. All ESC measures should be checked weekly and after each rainfall 0.5 inches or greater in a 24 hour period, or equivalent snowfall. Additionally, during winter months all measures should be checked after each significant snowmelt.

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>F.A.P. 332</u>	Marked Rte.	<u>Joe Orr Road</u>
Section	<u>0101.1 BR-3</u>	Project No.	<u>C-91-130-02</u>
County	<u>Cook</u>	Contract No.	<u>62421</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:

