April 7, 2010

SUBJECT: FAI Route 80 (I-80)

Project IM-080-3 (135) 081

Section (50-3) HBK LaSalle County Contract No. 66542

Item No. 261, April 23, 2010 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 page ii of the Table of Contents to the Special Provisions.
- Added pages 140 147 to the Special Provisions.
- 3. Revised sheet 2 of the Plans.
- Added sheets 492A to 492P to the Plans.

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

By: Ted B. Walschleger, P. E.

Tete Jalucklyon P.E.

Engineer of Project Management

cc: George F. Ryan, Region 2, District 3; Mike Renner; R. E. Anderson; Estimates

TBW:MS:jc

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Revised 02/08/2010

STORM WATER POLLUTION PREVENTION PLAN



Storm Water Pollution Prevention Plan

Route F	Al Route 80	Marked Rte.	I-80
Section (50-3)HBK	Project No.	C-93-019-05
County L	aSalle	Contract No.	66542
I certify und accordance submitted. gathering the	has been prepared to comply with the provisions ntal Protection Agency for storm water discharges from the penalty of law that this document and all attachment with a system designed to assure that qualified personate and any inquiry of the person or persons who remains that there are significant penalties for submitting false aviolations.	om Construction ents were prepar sonnel properly of nanage the syste est of my knowle	Site Activities. red under my direction or supervision in gathered and evaluated the information em, or those persons directly responsible for dge and belief, true, accurate and complete.
ioi kilowing	violations.	,	4
	George F. Ryan, P.E.	1.	Rome Kym D.B.
	Print Name		Sighature
	Regional Engineer		2-18-10
	Title Illinois Department of Transportation		Date
	Agency		
A.	This work shall include reconstruction of the e	xisting intercha	ange of Interstate 80 and Illinois Route 178,
includ	ling reconstruction of the existing overpass struc	cture.	
B.	The following is a description of the construction a	ctivity which is th	ne subject of this plan:
	Construction includes proposed pavement and driveway pavement and grading, combination of work to complete the improvement. The work a pavement, earthwork, and drainage facilities reconstruction.	oncrete curb ar Iso includes co	nd gutter, storm sewer and miscellaneous nstruction and removal of temporary
C.	The following is a description of the intended sequ portions of the construction site, such as grubbing,		
	The intended sequence of construction is desc part of the plan documents, which are included Prevention Plan.		
D.	The total area of the construction site is estimated	to be <u>79.1</u> acres	5.
	The total area of the site that is estimated will be d acres.	isturbed by exca	evation, grading or other activities is 49.9
E.	The following is a weighted average of the runoff ocmpleted:	oefficient for this	s project after construction activities are
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F. The following is a description of the soil types found at the project site followed by information regarding their erosivity:

Orthents, Loamy, Undulating (802B) - A well drained soil with moderately high permeability. This soil has a moderately high susceptibility to water erosion and a slight susceptibility to wind erosion with slopes that are between 1 and 6 percent.

Drummer Silty Clay Loam (152A) - A poorly drained soil with moderately to moderatelly high permeability. This soil has a slight susceptibility to water and wind erosion with slopes that are between 0 and 2 percent.

Flanagan Silty Loam (154A) - A somewhat poorly drained soil with moderately high permeability. This soil has a slight susceptibility to water and wind erosion with slopes that are between 0 and 2 percent.

Flanagan-Catlin Silt Loam (818A) - A somewhat poorly drained soil with moderately high permeability. This soil has a slight susceptibility to water and wind erosion with slopes that are between 1 and 6 percent.

G. The following is a description of potentially erosive areas associated with this project:

The potentially critical areas are the steep slope areas of the Orthents, Loamy, Undulating (802B) with the moderately high susceptibility to water erosion and the steepest slopes.

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

The nature and purpose of the soil disturbing activities on the project involves the removal and replacement of the existing structure carrying IL 178 over I-80 and the reconstruction of the ramps and frontage road at this interchange. There are no activities outside the project limits that will involve land disturbances.

The predominant soil type on the project, Orthents, Loamy, Undulating (802B) has a moderately high susceptibility to water and a slight susceptibility to wind. It has the steepest slope in the project area also

- I. 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.
- J. The following is a list of receiving water(s) and the ultimate receiving water(s), and areal extent of wetland acreage at the site. The location of the receiving waters can be found on the erosion and sediment control plans:

The receiving water for runoff from this project is Pecumsaugan Creek.

K.	The following	pollutants of	concern will	be associated	with this	construction	proje	ct
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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. 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 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 14 or more calendar days.
 - a. Where the initiation of stabilization measures by the 7th 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:

☐ Preservation of M Vegetated Buffer ☐ Protection of Tree ☐ Temporary Erosic ☐ Temporary Turf (☐ Temporary Mulch ☐ Permanent Seedi	Strips es on Control Seeding Seeding, Class 7) ing		Erosion Control Blanket / Mulching Sodding Geotextiles Other (specify) Other (specify) Other (specify)
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Describe how the Stabilization Practices listed above will be utilized:

- Temporary Erosion Control Seeding Seed mixture will depend on the time of year it is applied. Seeding will be completed in accordance with IDOT Standard Specifications.
- 2. Permanent Seeding Seeding Class 2 and 7 will be installed per IDOT specifications.
- Erosion Control Blanket Erosion control blanket will be installed over fill slopes and in high velocity areas (i.e. ditches) that have been brought to final grade and seeded to protect slopes from erosion and allow seeds to germinate.
- 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:

, 10		Perimeter Erosion Barrier Temporary Ditch Check Storm Drain Inlet Protection Sediment Trap Temporary Pipe Slope Drain Page 3 of 8			Rock Outlet Prot Riprap Gabions Slope Mattress Retaining Walls	ection BDE 2342 (Rev. 07/23/	09
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Temporary Sediment Basin	Slope Walls
Temporary Stream Crossing	Concrete Revetment Mats
Stabilized Construction Exits	Level Spreaders
Turf Reinforcement Mats	Other (specify)
Permanent Check Dams	Other (specify)
Permanent Sediment Basin	Other (specify)
Aggregate Ditch	Other (specify)
Paved Ditch	Other (specify)

Describe how the Structural Practices listed above will be utilized:

- 1. Perimeter Erosion Barrier Perimeter erosion barrier (silt fence) will be used in all areas where runoff from disturbed areas has the potential to travel offsite or into swales, ditches, ponds, wetlands or other natural water bodies. See Erosion Control Plan Sheet.
- Storm Drain Inlet Protection Inlet filters will be used on all manholes and storm sewer inlets where runoff from disturbed areas is collected.
- Riprap Stone riprap with filter fabric will be used at the inlets of some pipes to prevent scouring.
- 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 Section 59-8 (Erosion and Sediment Control) in Chapter 59 (Landscape Design and Erosion Control) of the Illinois Department of Transportation Bureau of Design and Environment Manual. If practices other than those discussed in Section 59-8 are selected for implementation or if practices are applied to situations different from those covered in Section 59-8, 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.

It was determined as part of the Phase II design that no storm water detention is required to be constructed on this project.

4. Other Controls:

 a. Vehicle Entrances and Exits – Stabilized construction entrances and exits must be constructed to prevent tracking of sediments onto roadways.

The contractor will provide the resident engineer with a written plan identifying the location of stabilized entrances and exits and the procedures (s)he will use to construct and maintain them.

- b. Material Delivery, Storage, and Use The following BMPs shall be implemented to help prevent discharges of construction materials during delivery, storage, and use:
 - All products delivered to the project site must be properly labeled.
 - Water tight shipping containers and/or semi trailers shall be used to store hand tools, small parts, and most construction materials that can be carried by hand, such as paint cans, solvents, and grease.

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- A storage/containment facility should be chosen for larger items such as drums and items shipped or stored on pallets. Such material is to be covered by a tin roof or large sheets of plastic to prevent precipitation from coming in contact with the products being stored.
- Large items such as light stands, framing materials and lumber shall be stored in the open in a
 general storage area. Such material shall be elevated with wood blocks to minimize contact with
 storm water runoff.
- Spill clean-up materials, material safety data sheets, an inventory of materials, and emergency
 contact numbers shall be maintained and stored in one designated area and each Contractor is
 to inform his/her employees and the resident engineer of this location.
- c. Stockpile Management BMPs shall be implemented to reduce or eliminate pollution of storm water from stockpiles of soil and paving materials such as but not limited to portland cement concrete rubble, asphalt concrete, asphalt concrete rubble, aggregate base, aggregate sub base, and pre-mixed aggregate. The following BMPs may be considered:
 - Perimeter Erosion Barrier
 - Temporary Seeding
 - Temporary Mulch
 - Plastic Covers
 - Soil Binders
 - Storm Drain Inlet Protection

The contractor will provide the resident engineer with a written plan of the procedures (s)he will use on the project and how they will be maintained.

- d. Waste Disposal. No materials, including building materials, shall be discharged into Waters of the State, except as authorized by a Section 404 permit.
- e. The provisions of this plan shall ensure and demonstrate compliance with applicable State and/or local waste disposal, sanitary sewer or septic system regulations.
- f. The contractor shall provide a written and graphic plan to the resident engineer identifying where each of the above areas will be located and how they are to be managed.

5. 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, 1995. 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 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 other provisions provided in the plan are in accordance with IDOT Standard Specifications and the Illinois Urban Manual.

III. Maintenance:

The following is a description of procedures that 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. The resident engineer will provide maintenance guides to the contractor for the practices associated with this project.

During construction the contractor shall clean up and the grade the work area to eliminate concentration of runoff, cover the opens of pipes in trenches and open inlets at the close of each working day. Maintain or replace (if specified by the Engineer) erosion and sediment control items. Prior to any landscaping/restoration work, the contractor shall remove and dispose of silt retained by temporary erosion

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barrier. Areas of erosion control blanket which fail will be repaired immediately. Temporary seeding shall be placed in accordance to the IDOT Standard Specifications.

All maintenance of erosion control systems will be the responsibility of the contractor. All locations where vehicles enter and exit the construction site and all other areas subject to erosion should also be inspected periodically. Inspection of these areas shall be made at least once every seven days and within 24 hours of the end of a storm that is 0.5 inches or greater rainfall, or an equivalent snowfall.

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. Such inspections shall be conducted at least once every seven (7) calendar days and within 24 hours of the end of a storm that is 0.5 inches or greater or equivalent snowfall.

- A. Disturbed areas, use areas (storage of materials, stockpiles, machine maintenance, fueling, etc.), borrow sites, and waste sites shall be inspected for evidence of, or the potential for, pollutants entering the drainage system. Erosion and sediment control measures identified in the plan shall be observed to ensure that they are operating correctly. Discharge locations or points that are accessible, shall be inspected to ascertain whether erosion control measures are effective in preventing significant impacts to receiving waters. Locations where vehicles enter or exit the site shall be inspected for evidence of off site sediment tracking.
- B. Based on the results of the inspection, the description of potential pollutant sources identified in section I above and pollution prevention measures identified in section II above shall be revised as appropriate as soon as practicable after such inspection. Any changes to this plan resulting from the required inspections shall be implemented within ½ hour to 1 week based on the urgency of the situation. The resident engineer will notify the contractor of the time required to implement such actions through the weekly inspection report.
- C. A report summarizing the scope of the inspection, name(s) and qualifications of personnel making the inspection, the date(s) of the inspection, major observations relating to the implementation of this storm water pollution prevention plan, and actions taken in accordance with section IV(B) shall be made and retained as part of the plan for at least three (3) years after the date of the inspection. The report shall be signed in accordance with Part VI. G of the general permit.
- D. 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 24 hours of the incident. The resident Engineer shall then complete and submit an "Incidence of Noncompliance" (ION) report for the identified violation within 5 days of the incident. The resident engineer shall use forms provided by the Illinois Environmental Protection Agency 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 noncompliance shall be signed by a responsible authority in accordance with Part VI. G of the general permit.

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. Non-Storm Water Discharges:

Except for flows from fire fighting activities, sources of non-storm water that is combined with storm water discharges associated with the industrial activity addressed in this plan must be described below. Appropriate pollution prevention measures, as described below, will be implemented for the non-storm water component(s) of the discharge.

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- A. Spill Prevention and Control BMPs shall be implemented to contain and clean-up spills and prevent material discharges to the storm drain system. The contractor shall produce a written plan stating how his/her company will prevent, report, and clean up spills and provide a copy to all of his/her employees and the resident engineer. The contractor shall notify all of his/her employees on the proper protocol for reporting spills. The contractor shall notify the resident engineer of any spills immediately.
- B. Concrete Residuals and Washout Wastes The following BMPs shall be implemented to control residual concrete, concrete sediments, and rinse water:
 - Temporary Concrete Washout Facilities shall be constructed for rinsing out concrete trucks. Signs shall be installed directing concrete truck drivers where designated washout facilities are located.
 - The contractor shall have the location of temporary concrete washout facilities approved by the resident engineer.
 - All temporary concrete washout facilities are to be inspected by the contractor after each use and all spills must be reported to the resident engineer and cleaned up immediately.
 - Concrete waste solids/liquids shall be disposed of properly.
- C. Litter Management A proper number of dumpsters shall be provided on site to handle debris and litter associated with the project. The Contractor is responsible for ensuring his/her employees place all litter including marking paint cans, soda cans, food wrappers, wood lathe, marking ribbon, construction string, and all other construction related litter in the proper dumpsters.
- Vehicle and Equipment Cleaning Vehicles and equipment are to be cleaned in designated areas only, preferably off site.
- E. Vehicle and Equipment Fueling A variety of BMPs can be implemented during fueling of vehicles and equipment to prevent pollution. The contractor shall inform the resident engineer as to which BMPs will be used on the project. The contractor shall inform the resident engineer how (s)he will be informing his/her employees of these BMPs (i.e. signs, training, etc.). Below are a few examples of these BMPs:
 - Containment
 - Spill Prevention and Control
 - Use of Drip Pans and Absorbents
 - Automatic Shut-Off Nozzles
 - Topping Off Restrictions
 - Leak Inspection and Repair
- F. Vehicle and Equipment Maintenance On site maintenance must be performed in accordance with all environmental laws such as proper storage and no dumping of old engine oil or other fluids on site.

VI. 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 NPDES permit which could be passed onto the contractor.



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Contractor Certification Statement

	ident Engineer is to make copies of this form an n separate form.	d every contractor a	nd sub-contractor will be required to complete
Route	FAI Route 80	Marked Rt.	<u>I-80</u>
Section	(50-3)HBK	Project No.	C-93-019-05
County	LaSalle	Contract No.	66542
accordar I certify u (NPDES	ification statement is part of the Storm Water Ponce with General NPDES Permit No. ILR10 issuunder penalty of law that I understand the terms permit (ILR 10) that authorizes the storm water tified as part of this certification.	ed by the Illinois Env of the general Nation	rironmental Protection Agency. nal Pollutant Discharge Elimination System
Plan for	on, I have read and understand all of the informa the above mentioned project; I have provided al ⁄ater Pollution Prevention Plan and will provide t	I documentation requ	
☐ Contr	actor		
☐ Sub-C	Contractor		
	Print Name		Signature
	Title	180	Date
	Name of Firm		Telephone
	Street Address	4	City/State/ZIP
*			

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