



# Illinois Department of Transportation

2300 South Dirksen Parkway / Springfield, Illinois / 62764

September 7, 2011

SUBJECT: FAU Route 1257 (Deerfield Rd.)  
Project ACBHM-1257 (001)  
Section 104 RB-R  
Lake County  
Contract No. 62102  
Item No. 12, 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 Table of Contents to the Special Provisions.
2. Added pages 109 - 112 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 black ink, appearing to read "Ted B. Walschleger" with 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; D.Carl Puzey;  
Estimates

TBW:MS:jc

## TABLE OF CONTENTS

LOCATION OF PROJECT	1
DESCRIPTION OF PROJECT	1
MAINTENANCE OF ROADWAYS	1
WORK RESTRICTION / START OF WORK	2
STATUS OF UTILITIES TO BE ADJUSTED	2
RESTRICTION ON WORKING DAYS AFTER A COMPLETION DATE	2
COMPLETION DATE PLUS WORKING DAYS	3
RECLAIMED ASPHALT PAVEMENT FOR NON-POROUS EMBANKMENT AND BACKFILL	3
AGGREGATE SURFACE COURSE FOR TEMPORARY ACCESS	3
FINE AGGREGATE FOR HOT- MIX ASPHALT (HMA) (DISTRICT ONE)	5
TEMPERATURE CONTROL FOR CONCRETE PLACEMENT (DISTRICT ONE)	5
RECLAIMED ASPHALT PAVEMENT (RAP) (BMPR)	5
RECLAIMED ASPHALT SHINGLES (RAS) (BMPR)	13
EPOXY COATING ON REINFORCEMENT (DISTRICT ONE)	17
DRAINAGE SYSTEM	17
TEMPORARY SHEET PILING	18
PIPE UNDERDRAINS FOR STRUCTURES	20
POROUS GRANULAR EMBANKMENT, SPECIAL	20
DEMOLITION PLANS FOR REMOVAL OF EXISTING STRUCTURES	21
FREEZE-THAW AGGREGATES FOR CONCRETE SUPERSTRUCTURES POURED ON GRADE	21
SLOPE WALL REPAIR	21
SLOPE WALL CRACK SEALING	22
DEBRIS REMOVAL	22
REMOVAL AND DISPOSAL OF REGULATED SUBSTANCES	23
BACKFILLING STORM SEWER UNDER ROADWAY	23
CLEANING EXISTING DRAINAGE SYSTEM	24
STEEL PLATE BEAM GUARDRAIL SHORT RADIUS	24
TRAFFIC BARRIER TERMINAL (SPECIAL)	24
AGGREGATE FOR CONCRETE BARRIER (DISTRICT ONE)	24
TRAFFIC CONTROL AND PROTECTION (ARTERIALS)	25
TEMPORARY INFORMATION SIGNING	25
TRAFFIC CONTROL PLAN	26
TEMPORARY PAVEMENT	27
TYPE III TEMPORARY TAPE FOR WET CONDITIONS	28
SEDIMENT CONTROL, SILT CURTAIN	28
REMOVE AND REINSTALL LIGHT POLE	30
GENERAL ELECTRICAL REQUIREMENTS	30
MAINTENANCE OF LIGHTING SYSTEMS	33

UNDERGROUND RACEWAYS	35
TRENCH AND BACKFILL FOR ELECTRICAL WORK	36
WIRE AND CABLE	37
ALKALI-SILICA REACTION FOR CAST-IN-PLACE CONCRETE (BDE)	38
ALKALI-SILICA REACTION FOR PRECAST AND PRECAST PRESTRESSED CONCRETE (BDE)	41
APPROVAL OF PROPOSED BORROW AREAS, USE AREAS, AND/OR WASTE AREAS (BDE)	43
CEMENT (BDE)	44
CERTIFICATION OF METAL FABRICATOR (BDE)	46
CONCRETE ADMIXTURES (BDE)	47
CONCRETE JOINT SEALER (BDE)	49
CONSTRUCTION AIR QUALITY – DIESEL RETROFIT (BDE)	50
CONSTRUCTION AIR QUALITY - DIESEL VEHICLE EMISSIONS CONTROL (BDE)	52
CONSTRUCTION AIR QUALITY - IDLING RESTRICTIONS (BDE)	53
DETERMINATION OF THICKNESS (BDE)	54
DISADVANTAGED BUSINESS ENTERPRISE PARTICIPATION (BDE)	64
ENGINEER’S FIELD OFFICE TYPE A (BDE)	73
EQUIPMENT RENTAL RATES (BDE)	75
FRICTION AGGREGATE (BDE)	76
HOT-MIX ASPHALT – ANTI-STRIPPING ADDITIVE (BDE)	78
HOT-MIX ASPHALT - DENSITY TESTING OF LONGITUDINAL JOINTS (BDE)	79
HOT-MIX ASPHALT – DROP-OFFS (BDE)	80
IMPACT ATTENUATORS, TEMPORARY (BDE)	80
LIQUIDATED DAMAGES (BDE)	81
METAL HARDWARE CAST INTO CONCRETE (BDE)	82
MULCH AND EROSION CONTROL BLANKETS (BDE)	82
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM / EROSION AND SEDIMENT CONTROL DEFICIENCY DEDUCTION (BDE)	85
PAVEMENT MARKING REMOVAL (BDE)	86
PAYMENTS TO SUBCONTRACTORS (BDE)	86
PLANTING PERENNIAL PLANTS (BDE)	87
POST MOUNTING OF SIGNS (BDE)	90
PRECAST CONCRETE HANDLING HOLES (BDE)	90
RAISED REFLECTIVE PAVEMENT MARKERS (BDE)	91
SEEDING (BDE)	92
SELF-CONSOLIDATING CONCRETE FOR PRECAST PRODUCTS (BDE)	94
SUBCONTRACTOR MOBILIZATION PAYMENTS (BDE)	95
TEMPORARY EROSION CONTROL (BDE)	96
TRAFFIC BARRIER TERMINAL, TYPE 6 (BDE)	99
TRAFFIC CONTROL DEFICIENCY DEDUCTION (BDE)	99

TRAFFIC CONTROL SURVEILLANCE (BDE)	99
TRUCK MOUNTED/TRAILER MOUNTED ATTENUATORS (BDE)	99
UTILITY COORDINATION AND CONFLICTS (BDE)	100
STEEL COST ADJUSTMENT (BDE) (RETURN FORM WITH BID)	105
404 PERMIT	109

Revised 09/07/2011

404 PERMIT



REPLY TO  
ATTENTION OF:

DEPARTMENT OF THE ARMY  
CHICAGO DISTRICT, CORPS OF ENGINEERS  
111 NORTH CANAL STREET  
CHICAGO, ILLINOIS 60606-7206



August 25, 2011

Technical Services Division  
Regulatory Branch  
LRC-2011-00321

SUBJECT: Authorization to Replace Concrete Superstructure of Deerfield Road Bridge over the East Skokie Ditch in Highland Park, Lake County, Illinois

Diane O'Keefe  
Illinois Department of Transportation  
201 West Center Court  
Schaumburg, Illinois 60196

Dear Ms. O'Keefe:

The U.S. Army Corps of Engineers, Chicago District, has completed its review of your notification for authorization under the Regional Permit Program (RPP). This office has verified that your proposed activity complies with the terms and conditions of Regional Permits 3 (Transportation Projects) and 7 (Temporary Construction Activities) and the overall RPP under Category I of the Regional Permit Program dated April 1, 2007. The activity may be performed without further authorization from this office provided the activity is conducted in compliance with the terms and conditions of the RPP.

This verification is valid until the RPP is modified, reissued, or revoked. The RPP is scheduled to be modified, reissued, or revoked prior to April 1, 2012. We will issue a public notice when the Regional Permits are reissued so it is incumbent upon you to remain informed of changes to the RPP when they occur. Furthermore, if you commence or are under contract to commence this activity before the date that the relevant regional permit is modified or revoked, you will have twelve (12) months from the date of the modification or revocation of the RPP to complete the activity under the present terms and conditions of this regional permit(s).

This verification covers only your activity as described in your notification and as shown on the plans entitled Proposed Highway Plans – F.A.U. Route 1257 (Deerfield Rd.) – over East Skokie Ditch – Section 104RB-R – Project: – Bridge Superstructure Removal and Replacement – Lake County – C-91-008-01” dated April 15, 2011, prepared by Epstein Global. Caution must be taken to prevent construction materials and activities from impacting waters of the United States beyond the scope of this authorization. If you anticipate changing the design or location of the activity, you should contact this office to determine the need for further authorization.

As part of the soil erosion and sediment control (SESC) process, you are required to retain a qualified Independent SESC Inspector (ISI) to review the project's SESC plans and provide a detailed narrative that explains the measures to be implemented at the project site. The

ISI is also required to perform site inspections of the implemented SESC measures to ensure proper installation and regular maintenance of the approved methods.

This authorization is contingent upon implementing and maintaining soil erosion and sediment controls in a serviceable condition throughout the duration of the project. Throughout the duration of the project, you shall comply with the project's soil erosion and sediment control (SESC) plans and the installation and maintenance requirements of the SESC practices on-site. You shall notify this office any changes or modifications to the approved plan set. Please be aware that field conditions during project construction may require the implementation of additional SESC measures for further protection of aquatic resources. If you fail to implement corrective measures, this office may require more frequent site inspections to ensure the installed SESC measures are acceptable.

The following ISI process is a requirement of your permit:

1. You shall retain a qualified SESC inspector to perform periodic inspections of the implemented SESC measures to ensure proper installation and regular maintenance of the approved methods. The contact information for the Independent SESC Inspector (ISI) shall be submitted to this office via e-mail and/or hard copy prior to commencement of the proposed work;
2. Provide prior notification to a representative of this office and to the designated Independent SESC Inspector of the pre-construction meeting at least 10 calendar days in advance. The meeting shall be held to review the Corps' approved SESC plans and if applicable, to discuss any necessary changes as required;
3. The SESC inspector shall submit digital photographs of the SESC measures to the Corps on a weekly basis during the active and non-active phases of construction that represent the existing conditions of the site. Photographs shall also be submitted at completion of the project once the SESC measures have been removed and the work area has been restored to pre-construction conditions; and
4. You shall contact this office immediately in the event of non-compliance, failure and/or inadequacy of an existing SESC method. Upon direction of the Corps, corrective measure shall be instituted at the site to correct the situation. Additional SESC measures may be needed to ensure further protection of the resource including all jurisdictional areas.
5. Prior to commencement of work in jurisdictional areas, you shall submit to this office an in-stream work plan and a narrative discussing the contractor's preferred method of cofferdam.

The following conditions are a requirement of your permit:

1. Work in the waterway should be timed to take place during low or no-flow conditions. Low flow conditions are flow at or below the normal water elevation.

2. Water shall be isolated from the in-stream work area using a cofferdam constructed of non-erodible materials (steel sheets, aqua barriers, rip rap and geotextile liner, etc.). Earthen cofferdams are not permissible.
3. Work shall not be performed in the water, except for the placement of the materials necessary for the construction of the cofferdam. The cofferdam must be constructed from the upland area and no equipment may enter the water at any time. If the installation of the cofferdam cannot be completed from shore and access is needed to reach the area to be coffered, other measures, such as the construction of a causeway, will be necessary to ensure that equipment does not enter the water. Once the cofferdam is in place and the isolated area is dewatered, equipment may enter the coffered area to perform the required work.
4. If bypass pumping is necessary, the intake hose shall be placed on a stable surface or floated to prevent sediment from entering the hose. The bypass discharge shall be placed on a non-erodible, energy dissipating surface prior to rejoining the stream flow and shall not cause erosion. Filtering of bypass water is not necessary unless the bypass water has become sediment-laden as a result of the current construction activities.
5. During dewatering of the coffered work area, all sediment-laden water must be filtered to remove sediment. Possible options for sediment removal include baffle systems, anionic polymers systems, dewatering bags, or other appropriate methods. Water shall have sediment removed prior to being re-introduced to the downstream waterway. A stabilized conveyance from the dewatering device to the waterway must be identified in the plan. Discharge water is considered clean if it does not result in a visually identifiable degradation of water clarity.
6. The portion of the side slope that is above the observed water elevation shall be stabilized as specified in the plans prior to accepting flows. The substrate and toe of slope that has been disturbed due to construction activities shall be restored to proposed or pre-construction conditions and fully stabilized prior to accepting flows.

This verification does not obviate the need to obtain all other required Federal, state, or local approvals before starting work. Please note that Section 401 Water Quality Certification has been issued by IEPA for this RP. Enclosed are the IEPA Section 401 Water Quality Certification conditions. If you have any questions regarding Section 401 certification, please contact Mr. Dan Heacock at IEPA Division of Water Pollution Control, Permit Section #15, by telephone at (217) 782-3362.

For a complete copy of the RPP program or any additional information on the RPP program, please access our website: [www.lrc.usace.army.mil/co-r](http://www.lrc.usace.army.mil/co-r). Once you have completed the authorized activity, please sign and return the enclosed compliance certification. If you have any questions, please contact Mr. Soren Hall of my staff by telephone at 312-846-5532, or email at [Soren.G.Hall@usace.army.mil](mailto:Soren.G.Hall@usace.army.mil).

Sincerely,



Kathleen G. Chernich  
Chief, East Section  
Regulatory Branch

Enclosures

Copy Furnished w/out Enclosures:

Hey and Associates (Steve Rauch)