Illinois Department of Transportation
2300 South Dirksen Parkway / Springfield, Illinois / 62764

June 6, 2013

SUBJECT: Route Park Roads
Section Kankakee River State Park
Kankakee & Will County
Contract No. 46251
Item No. 193, June 14, 2013 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.
2. Added pages 147-158 of 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,

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

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

cc: Paul Loete, Region 2, District 3; Mike Renner; D. Carl Puzey; Estimates

dp

CONTRACT TIME

All work required in this contract shall be completed within 135 working days of the authorization to proceed. The Contractor shall schedule his/her operations and reserve enough working days for tree plantings so as to complete all work as required under this contract within 135 working days. The Contractor will not be allowed any additional working days to complete any remaining finish grading, seeding, and cleanup work.

Failure to Complete the Work on Time: Should the Contractor fail to complete the necessary work to comply with the allowable 135 working days, the Contractor shall be liable to the Department, not as a penalty, but as liquidated and ascertained damages, for each working day beyond the contract working days or extended time as may be allowed and subject to the conditions of Article 108.09 of the Standard Specifications and any special provisions included herein.

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STORM WATER POLLUTION PREVENTION PLAN

Illinois Department of Transportation

Storm Water Pollution Prevention Plan

Route	IDNR Kankakee River State Park	Marked Rte.	N/A
Section	PARK ROADS	Project No.	C-30-004-13
County	Will/Kankakee	Contract No.	46251

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.

PAUL LOETE	
Print Name	Signature
REGIONAL ENGINEER	
Title	Date
IDOT REGION 2 - DISTRICT 3	
Agency	

I. Site Description:

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

The project consists of resurfacing roadways, parking lots and related site improvements within Kankakee River State Park located in southeastern Will County and northwestern Kanakee County, with an approximately location of latitude 41°12'12.24" N and longitude 87°58' 45.57" W.

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

Improvements include repaving existing roadways and parking lots with bituminous surface treatments, full depth base course repair and widening, earthwork, ADA accessible parking spaces, signing, drainage improvements, and temporary erosion control.

C. Provide the estimated duration of this project:

Fourteen (14) months.

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D. The total area of the construction site is estimated to be 40 acres.

The total area of the site estimated to be disturbed by excavation, grading or other activities is 40 acres.

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

0.7

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

Kankakee River State Park covers a relatively large area totaling approximately 4,000 acres. This project incorporated approximately 36 separate locations within the park consisting of internal roads, small parking lots and related drainage structures to upgrade roads, parking lots, campgrounds and related drainage improvements. Dozens of soil types will be encountered within the entire area, but only 2-3 may be encountered at an individual site. The following is a sampling of the soil types based on selection of sites.

1. Hunting areas, south side of park along Rte. 113. Soil types include
   a. Waupecan silt loam, 0-2% and 2-4% slopes, K = 0.28
   b. Bowles silt loam, 2-4% slopes, K = 0.37
   c. Ockley loam, 2-4% slopes, K = 0.24
   d. Plattville silt loam, 2-4% slopes, K = 0.24
   e. Rockton silt loan, 0-2% slopes, K = 0.24
2. Parking lots, roads and access areas, north side of park along Rte. 102. Soil types include
   a. Beecher silt loam, 2-4% slopes, K = 0.28
   b. Richey silt loam, 2-4%, 4-6%, 6-12% slopes, K = 0.32
   c. Whalen silt loam, 0-2% and 2-4% slopes, K=0.32
   d. Channahon silt loam, 0-2% slopes, K=0.24
   e. Faxon silt loam, 0-2% slopes, K = 0.24
   f. Chelsea loamy fine sand, 1-6% slopes, K = 0.02

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

No wetland areas – 0.0 acres

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

Potentially erosive areas include the foreslopes of widened roadways, ditches that will be regarded, and inlet/outlet areas on culvert replacement 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):

Soil disturbances include earth excavation, embankment, and culvert installation throughout the project limits. Slopes are to be 3:1 (H:V) or flatter to limit the erosion.

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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:

IDNR owns the park in which the roadways are located.

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:

Kanakakee River, Rock Creek, and immediately adjacent unnamed tributaries.

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 entire site is to be protected by temporary erosion control measures.

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):

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

      Kankakee River: Mercury

   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:

      Erosion control preventative measures shall be installed in accordance with the IDOT Highway Standards.

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

Culvert removal and replacements and regarding of roadway side slopes.

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

No dewatering is anticipated.

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:

☒	Soil Sediment	☒	Petroleum (gas, diesel, oil, kerosene, hydraulic oil / fluids)
☒	Concrete	☒	Antifreeze / Coolants
☒	Concrete Truck Waste	☒	Waste water from cleaning construction equipment
☒	Concrete Curing Compounds	☐	Other (specify)
☒	Solid Waste Debris	☐	Other (specify)
☒	Paints	☐	Other (specify)
☒	Solvents	☐	Other (specify)
☒	Fertilizers / Pesticides	☐	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:

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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:

☒	Preservation of Mature Vegetation	☒	Erosion Control Blanket / Mulching
☐	Vegetated Buffer Strips	☐	Sodding
☒	Protection of Trees	☐	Geotextiles
☒	Temporary Erosion Control Seeding	☐	Other (specify)
☐	Temporary Turf (Seeding, Class 7)	☐	Other (specify)
☒	Temporary Mulching	☐	Other (specify)
☒	Permanent Seeding	☐	Other (specify)

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

   1. Preservation of Mature Vegetation will be used throughout the project duration. The Contractor shall take whatever precautions necessary to limit the amount of vegetation removed by construction operations, protect vegetation outside the limits of construction from damage and remove only vegetation necessary for completion of the project.

   2. Protection of trees will be used throughout the project duration. The Contractor shall take whatever precautions necessary to limit the amount of trees removed by construction operations, protect trees not marked for removal from damage and remove only those trees marked.

   3. Temporary Erosion Control Seeding and Temporary Mulch will be used as a temporary erosion control method when permanent seeding cannot be accomplished so as to limit the surface area of erodible earth material exposed by clearing, grubbing, excavation, borrow and embankment operations.

   4. Permanent seeding with Mulch will be applied to all areas disturbed by construction immediately following the finished grading.

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

Any disturbed area which will remain inactive for more than 14 days will be temporarily or permanently seeded no more than 7 days following the day activity ceases.

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:

☒	Perimeter Erosion Barrier	☐	Rock Outlet Protection
☒	Temporary Ditch Check	☐	Riprap
☐	Storm Drain Inlet Protection	☐	Gabions
☐	Sediment Trap	☐	Slope Mattress
☐	Temporary Pipe Slope Drain	☐	Retaining Walls
☐	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 during construction:

1. Perimeter Erosion Barrier is used to prevent sediment loss by sheet flow. This item is to be placed at the locations specified in the Erosion Control Schedule and as directed by the Engineer.

2. Temporary ditch checks will be used to slow down the velocity of water as concentrated flow to prevent erosion or scour of the ditches and drainage ways. These are to be placed at the locations specified in the Erosion Control Schedule.

3. Inlet and Pipe Protection is to be placed at all inlets constructed below existing grade and at the upstream end of all culverts receiving drainage from disturbed areas, thereby controlling the loss of sediment from the job site. These are to be placed at the locations specified in the Erosion Control Schedule.

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

Once permanent turf has been establish to the satisfaction of the Engineer, all temporary erosion control measures shall be removed.

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:

      1. Permanent seeding will be used on all areas that have been hydraulically determined to have flow velocities and shear stress below levels that would cause erosion and scour.

      2. Temporary ditch checks will be used to limit concentrated flow velocities to prevent erosion and allow siltation of suspended load along ditches and drainage ways.

      3. Perimeter Erosion Barrier is used to check flow velocity to reduce erosion and prevent sediment loss by sheet flow. This item is to be placed as shown on the plans.

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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:

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:

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- 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.

1. Seeding - Permanent seeding will be applied to all areas disturbed by construction immediately following the finished grading. Temporary Seeding will be used as a temporary erosion control method when permanent seeding cannot be accomplished so as to limit the surface area of erodible earth material exposed by clearing, grubbing, excavation, borrow and embankment operations
2. Perimeter Erosion Barrier – Any barrier not performing to specification or that has become damaged or knocked down will be repaired immediately throughout the duration of the project.
3. Temporary Ditch Checks – Sediment will be removed as necessary to ensure the ditch checks function properly. Ditch checks will be repaired or replaced if damaged.
4. Inlet & Pipe Protection – Any inlet protection barriers not performing to specification or that become plugged with silt or sediment will be repaired or replaced as necessary to ensure the pipes function and drain properly.

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IV Inspections:

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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.

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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	IDNR KANKAKEE RIVER STATE PARK	Marked Rte.	N/A
Section	PARK ROADS	Project No.	C-30-004-13
County	WILL/KANKAKEE	Contract No.	46251

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:

Revised 6-6-13