PUBLIC NOTICE

Publication Date: December 23, 2019
IDEM ID Number: 2019-720-87-JBT-A
Closing Date: January 13, 2019
Corps of Engineers ID Number: Not Available

To all interested parties: This letter shall serve as a formal notice of the receipt of an application for Section 401 Water Quality Certification by the Indiana Department of Environmental Management (IDEM). The purpose of the notice is to inform the public of active applications submitted for water quality certification under Section 401 of the Clean Water Act (33 U.S.C. § 1341) and to solicit comments and information on any impacts to water quality related to the proposed project. IDEM will evaluate whether the project complies with Indiana’s water quality standards as set forth at 327 IAC 2.

1. Applicant: Ms. Kristi Todd
   Indiana Department of Transportation
   100 North Senate Avenue, IGCN 642-ES
   Indianapolis, IN 46204

2. Agent: Ms. Virginia Flynn
   Kaskaskia Engineering Group, LLC
   323 Main Street, Suite E
   Evansville, IN 47708

3. Project location: Northeast quarter of Section 16, Township 4 South, Range 9 West, Second Principal Meridian, Warrick County, Elberfeld USGS Quadrangle Latitude 38.175, Longitude -87.416.
   On Interstate-64 at Pigeon Creek and the Wabash & Erie Canal, 2.82 miles east of Interstate-69.

4. Affected waterbodies: Pigeon Creek and the Wabash & Erie Canal

5. Project Description: As part of Project Designation 1700973 & 1700975, INDOT proposes to place riprap in 0.113 acre of forested wetland and in 128 linear feet of stream. To compensate for these impacts, the applicant proposes to purchase 128 linear feet of stream mitigation credit and 0.452 acre of wetland mitigation credit from the Indiana Stream and Wetland Mitigation Program in the Ohio-Wabash Lowlands service area. For additional information please visit the following webpage address: http://www.in.gov/idem/5474.htm

Comment period: Any person or entity who wishes to submit comments or information relevant to the aforementioned project may do so by the closing date noted above. Only comments or information related to water quality or potential impacts of the project on water quality can be considered by IDEM in the water quality certification review process.

Public Hearing: Any person may submit a written request that a public hearing be held to consider issues related to water quality in connection with the project detailed in this notice. The request for a hearing should be submitted within the comment period to be considered timely. The request should also state the reason for the public hearing as specifically as possible to assist IDEM in determining whether a public hearing is warranted.

Questions? Additional information may be obtained from Mr. James Turner, Project Manager, at 317-234-6352. Please address all correspondence to the project manager and reference the IDEM project identification number listed on this notice. Indicate if you wish to receive a copy of IDEM’s final decision. Written comments and inquiries may be forwarded to:

Indiana Department of Environmental Management
100 North Senate Avenue
MC65-42 WQS IGCN 1255
Indianapolis, Indiana 46204-2251
FAX: 317/232-8406
Figure 1
Site Location Map
I-64
Bridge Rehabilitations
Warrick County, IN
Des. 1700973 and 1700975

Source: Esri and IndianaMAP, 2017
Figure 6
Water Resources
I-64
Bridge Rehabilitations
Warrick County, IN
Des. 1700973 and 1700975

Source: Esri, 2018; IndianaMAP, 2018
INDOT Vincennes District Bridge Number I64-32-05595 CEBL & CWBL
Applicant: INDOT Department of Transportation
Agent: WSP USA Inc.

NOTE: Areas calculated using Microstation & based on existing plans.

REVETMENT RIPRAP AT PIERS:
AREA = 0.035 ACRE.VOLUME = 114 CYS.GEOTEXTILE = 268 SYS.

NW Turnout Revetment Riprap - Permanent Impacts:
Total Turnout Revetment Riprap (53' L x 8' W x 1.5' DP):
Area = 0.011 acres
Volume = 27 CYS
No wetland impacts.

Wetland Impacts (20' L x 8' W x 1.5' DP):
Total Turnout Revetment Riprap:
Area = 0.003 Acre
Volume = 6 CYS
No impact to UNT 6 & 7

STREAM IMPACTS - BELOW OHWM AT PIER 4 ONLY:
REVETMENT RIPRAP AT PIER 5 (59' L x 8' W x 2' DP):
LENGTH = 59 LINEAR FEET
AREA = 0.015 ACRES.
VOLUME = 54 CYS.
GEOTEXTILE = 104 SYS.

Pier 4 Permanent Impacts above OHWM due Revetment Riprap:
Length = 59 LFT
Area = 0.017 Acre
Volume = 54 CYS
GEOTEXTILE = 26 SYS.

REVETMENT RIPRAP AT PIER 5:
AREA = 0.034 ACRE.
VOLUME = 114 CYS.
GEOTEXTILE = 268 SYS.

TURNOUT REVETMENT RIPRAP:
LENGTH = Up to 33 LFT
AREA = 0.015 ACRES.
VOLUME = 54 CYS.
GEOTEXTILE = 104 SYS.

WETLAND PERMANENT IMPACTS:
TURNOUT REVETMENT RIPRAP:
AREA = 0.002 ACRE.
VOLUME = 6 CYS.
GEOTEXTILE = 26 SYS.

Non-wetland Impacts (33' L x 8' W x 1.5' DP):
Area = 0.007 acres
17 CYS riprap on 48 SYS Geotextile
No impact to UNT 6 & 7

WETLAND PERMANENT IMPACTS:
TURNOUT REVETMENT RIPRAP:
AREA = 0.002 ACRE.
VOLUME = 6 CYS.
GEOTEXTILE = 26 SYS.

Pier 2 & 3 Permanent Impacts - Wetlands due Revetment Riprap (per pier):
Length = 59 LFT
Area = 0.0167 Acre
Volume = 54 CYs
GEOTEXTILE = 268 SYS.

For 5 Permanent Impacts above OHWM due Revetment Riprap:
Length = 59 LFT
Area = 0.017 Acre
Volume = 54 CYs
GEOTEXTILE = 26 SYS.

For 4 Permanent Impacts:
Area (Below OHWM) due Revetment Riprap:
Length = 59 LFT
Area = 0.015 Acre
Volume = 48 CYs

RECOMMENDED
DATE
DESIGN ENGINEER
FOR APPROVAL
DESIGNATION

INDIANA WARRICK COUNTY

See Dewatering sheets for R/W and Construction Limits
PROPOSED DISTURBED AREA DRAWING (PERMANENT)

INDOT Vincennes District Bridge Number I64-32-05595 CEBL & CWBL
Applicant: INDOT Department of Transportation
Agent: WSP USA Inc.

NOTE: Areas calculated using Microstation & based on existing plans.

Wetlands due Revetment Riprap:
- Length = 59 LFT
- Area = 0.017 Acre
- Volume = 54 CY
- Geotextile = 431 SYS.
- Volume = 185 CY
- Area = 0.058 Acre.

REVETMENT RIPRAP AT PIERS:
- Area = 0.008 Acre
- Volume = 26 CY
- Geotextile = 27 SYS.

STREAM IMPACTS BELOW OHWM:
- Permanent Impacts:
  - Length = 59 LFT
  - Area = 0.009 Acre
  - Volume = 26 CY
  - Geotextile = 431 SYS.

Piers 2, 3 & 5 Permanent Impacts:
- Wetlands due Revetment Riprap (per pier):
  - Length = 59 LFT
  - Area = 0.008 Acre
  - Volume = 26 CY
  - Geotextile = 27 SYS.

No impacts to UNT 1 due to riprap:
- Area = 0.007 Acre
- Volume = 23 CY
- Geotextile = 27 SYS.

END BENT NO. 1

LEGEND:
- Revetment Riprap around piers
- See Dewatering sheets for R/W and Construction Limits

END BENT NO. 6

NOTE: Areas calculated using Microstation & based on existing plans.
Temporary wetland impacts above OHWM due to construction entrance area (Timber mats) = 0.359 acre.

Temporary impact Riprap Splash Pad above OHWM - Wetlands: Area = 3 SYS Volume = 2 CYS Geotextile = 8 SYS.

Temporary impact Riprap Splash Pad above OHWM - Wetlands:
Area = 3 SYS Volume = 2 CYS Geotextile = 8 SYS.

Notes:
1) Dewatering will be phased at Low water Depths.
2) All temporary impacts due to isolation dams will be removed.
3) All temporary impacts are expected to be in place for approximately 2 months.
4) All disturbed areas above OHWM will be restored and seeded with seed mixture D.
PROPOSED TEMPORARY IMPACTS

Construction Entrance

1) Dewatering will be phased at Low Water Depths.
2) All temporary impacts due to isolation dams will be removed.
3) All disturbed areas above OHWM will be restored and seeded with seed mixture D.
4) All disturbed areas above OHWM will be in place for approximately 2 months.

Temporary Wetland impacts above OHWM = 0.14 Acres

Notes:
1. Timber mats are used for construction entrances in a wetland.
2. Temporary No. 2 stone and temporary geotextile used for construction entrances in a non-wetland.

Temporary Wetland impacts above OHWM = 0.14 Acres

DEWATERING PLAN

INDIANA DEPARTMENT OF TRANSPORTATION

Proposed Disturbed Area Drawing (Temporary)

INDOT Vincennes District Bridge Number 84-32-05596 CEBL
Applicant: INDOT Department of Transportation

Pigeon Creek & Erie Canal - OHWM: 50' W x 48" DP
UNT 2 - OHWM: 8' W x 18" DP

Notes:
1) Dewatering will be phased at Low Water Depths.
2) All temporary impacts due to isolation dams will be removed.
3) All temporary impacts are expected to be in place for approximately 2 months.
4) All disturbed areas above OHWM will be restored and seeded with seed mixture D.

Temporary Wetland impacts above OHWM = 0.14 Acres
Disturbed Areas Restoration Plan
INDOT Vincennes District Bridge Number I64-32-05595
CEBL & CWBL
Applicant: INDOT Department of Transportation

NOTE:
1. Timber mats are used for construction entrances in a wetland.
2. Temporary No. 2 stone and temporary geotextile used for construction entrances in a non-wetland.

RESTORATION PLAN LEGEND:
- REVETMENT RIPRAP
- SODDING
- PROPOSED NATIVE SEED MIXTURE FOR RESTORATION
(i) Seed Mixture Native

This seed mixture shall be applied at the rate of 33.22 lb/ac. It shall consist of the materials and be applied at the rates shown below.

<table>
<thead>
<tr>
<th>Common Name</th>
<th>Botanical Name</th>
<th>Application Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Permanent Grasses/Sedges/Rushes:</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bluejoint Grass</td>
<td>Calamagrostis canadensis</td>
<td>1.00 oz/ac</td>
</tr>
<tr>
<td>Fringed Sedge</td>
<td>Carex crinita</td>
<td>2.00 oz/ac</td>
</tr>
<tr>
<td>Common Hop Sedge</td>
<td>Carex lupulina</td>
<td>4.00 oz/ac</td>
</tr>
<tr>
<td>Bottlebrush Sedge</td>
<td>Carex lurida</td>
<td>1.50 oz/ac</td>
</tr>
<tr>
<td>Bristly Cattail Sedge</td>
<td>Carex frankii</td>
<td>3.00 oz/ac</td>
</tr>
<tr>
<td>Narrow-Leaved Cattail Sedge</td>
<td>Carex squarrosa</td>
<td>1.00 oz/ac</td>
</tr>
<tr>
<td>Brown Fox Sedge</td>
<td>Carex vulpinoidea</td>
<td>4.00 oz/ac</td>
</tr>
<tr>
<td>Virginia Wild Rye</td>
<td>Elymus virginicus</td>
<td>20.00 oz/ac</td>
</tr>
<tr>
<td>Fowl Manna Grass</td>
<td>Glyceria striata</td>
<td>2.00 oz/ac</td>
</tr>
<tr>
<td>Common Rush</td>
<td>Juncus effuses</td>
<td>0.50 oz/ac</td>
</tr>
<tr>
<td>Rice Cut Grass</td>
<td>Leersia oryzoides</td>
<td>2.00 oz/ac</td>
</tr>
<tr>
<td>Dark Green Rush</td>
<td>Scirpus atrovirens</td>
<td>2.00 oz/ac</td>
</tr>
<tr>
<td>Prairie Cord Grass</td>
<td>Spartina pectinata</td>
<td>1.00 oz/ac</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td>44.00 oz/ac</td>
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<tr>
<td><strong>Temporary Cover:</strong></td>
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<td></td>
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<tr>
<td>Common Oat</td>
<td>Avena sativa</td>
<td>360.00 oz/ac</td>
</tr>
<tr>
<td>Annual Rye</td>
<td>Lolium multiflorum</td>
<td>100.00 oz/ac</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td>460.00 oz/ac</td>
</tr>
<tr>
<td><strong>Forbs:</strong></td>
<td></td>
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<tr>
<td>Water Plantain (Various Mix)</td>
<td>Alisma spp.</td>
<td>3.00 oz/ac</td>
</tr>
<tr>
<td>Great Angelica</td>
<td>Angelica atropurpurea</td>
<td>1.00 oz/ac</td>
</tr>
<tr>
<td>Swamp Milkweed</td>
<td>Asclepias incarnata</td>
<td>0.50 oz/ac</td>
</tr>
<tr>
<td>Nodding Bur Marigold</td>
<td>Bidens cernua</td>
<td>2.50 oz/ac</td>
</tr>
<tr>
<td>False Nettle</td>
<td>Boehmeria cylindrica</td>
<td>2.00 oz/ac</td>
</tr>
<tr>
<td>Tall Bellflower</td>
<td>Campanulastrum americanu</td>
<td>0.75 oz/ac</td>
</tr>
<tr>
<td>Flat-Topper Aster</td>
<td>Doellingeria umbellata</td>
<td>0.25 oz/ac</td>
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<tr>
<td>Sneezeweed</td>
<td>Helenium autumnale</td>
<td>2.00 oz/ac</td>
</tr>
<tr>
<td>Cow Parsnip</td>
<td>Heracleum lanatum</td>
<td>2.75 oz/ac</td>
</tr>
<tr>
<td>Great Blue Lobelia</td>
<td>Lobelia siphilitica</td>
<td>0.50 oz/ac</td>
</tr>
<tr>
<td>Common Water Horehound</td>
<td>Lycopus americanus</td>
<td>0.25 oz/ac</td>
</tr>
<tr>
<td>Monkey Flower</td>
<td>Mimulus ringens</td>
<td>1.25 oz/ac</td>
</tr>
<tr>
<td>Ditch Stonecrop</td>
<td>Penthorum sedoides</td>
<td>0.50 oz/ac</td>
</tr>
<tr>
<td>Pinkweed (Various Mix)</td>
<td>Polygonum spp.</td>
<td>0.50 oz/ac</td>
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<tr>
<td>Wild Golden Glow</td>
<td>Rudbeckia laciniate</td>
<td>2.00 oz/ac</td>
</tr>
<tr>
<td>Wild Senna</td>
<td>Senna hebecarpa</td>
<td>2.00 oz/ac</td>
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<td>---------------</td>
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</tr>
<tr>
<td>Swamp Goldenrod</td>
<td>Solidago patula</td>
<td>1.00 oz/ac</td>
</tr>
<tr>
<td>Swamp Aster</td>
<td>Symphyotrichum puniceum</td>
<td>0.75 oz/ac</td>
</tr>
<tr>
<td>Wingstem</td>
<td>Verbesina alternifolia</td>
<td>4.00 oz/ac</td>
</tr>
<tr>
<td></td>
<td><strong>Total</strong></td>
<td><strong>27.50 oz/ac</strong></td>
</tr>
<tr>
<td></td>
<td><strong>Grand Total</strong></td>
<td><strong>531.50 oz/ac</strong></td>
</tr>
</tbody>
</table>

Seed used in this mixture shall be wet tolerant. If certain species in this mix are unavailable, substitutions may be submitted for approval. The mix shall be applied as specified per acre. The method of planting shall be by means of hydroseeding or by means of a hand method with a minimal amount of mulch applied in a separate operation. Fertilizer shall not be added to this seed mixture.

Watering shall be required to effectively establish the native seed mixtures. The Contractor shall supply a minimum of 1/4 inch of water per week to all seeded areas between June 15 and September 15 to establish seed mixtures. If sufficient natural rainfall meets this requirement during any specified week, no supplemental watering shall be required that week.
BRIDGE REHABILITATION PLANS
FOR SPANS OVER 20 FEET
ROUTE: I-64 OVER PIGEON CREEK AND ERIE CANAL AT: RP 32+0.36 (EB)
RP 32+0.47 (WB)

PROJECT NO. 1700973 (EB), 1700975 (WB) P.E.
R/W

1700973 (EB), 1700975 (WB) CONST.

Bridge Rehabilitation on SR 64 over Pigeon Creek and Erie Canal
Located 2.82 Miles East of I-69/SR 57
Section 16, T-4-S, R-9-W, Elberfeld Township, Warrick County, Indiana