To all interested parties:

This letter shall serve as a formal notice of the receipt of an application for a Section 401 Water Quality Certification and a State Isolated Wetland Individual Permit 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 permits required under IC 13-18-22 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 and all applicable provisions of IC 13-18-22.

1. Applicant: Joel Thurman
   Hamilton County HWY Dept.
   1700 S 10th St.
   Noblesville, IN 46060

2. Agent: Michael Oliphant
   United Consulting
   8440 Allison Pointe Bld. Suite 200
   Indianapolis, IN 46250

3. Project location: 146th Street from Shelborne Road to the Boone/Hamilton County Line near Carmel, Hamilton County
   Latitude: 39.998744, Longitude: -86.225503

4. Affected waterbody: Little Eagle Creek, associated wetland, Bear Creek, and isolated wetlands

5. Project Description: The applicant proposes to discharge fill material into waters of the state for the reconstruction of 146th Street from Shelbourne Road to the Boone County line. The applicant proposes to discharge fill material into 0.29 acre of Class II forested isolated wetland, and 0.11 acre forested jurisdictional wetland. The applicant also proposes to impact 345 linear feet (lf) of Bear Creek at three locations due to culvert replacement, relocation, new encapsulation, and riprap stabilization. To compensate for these impacts, the applicant proposes to purchase 1.17 acre of forested wetland mitigation credit, and 345 linear feet of stream mitigation credit through the Indiana Stream and Wetland Mitigation Program (IN SWMP) within the Upper White 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 state isolated wetland permit review and the water quality certification review processes.

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 Amari Farren, Project Manager, at 317-234-6351. 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. Comments and inquiries may be e-mailed to afarren@idem.in.gov or mailed to -
Indiana Department of Environmental Management
100 North Senate Avenue
MC65-42 WQS IGCN 1255
Indianapolis, Indiana 46204-2251
FAX: 317/232-8406
HAMILTON COUNTY PROJECT NO. PB-19-0002

APPROVED BY
HAMILTON COUNTY BOARD OF COMMISSIONERS

STEVE COLUMBUS, PRESIDENT

CHRISTINE ALTMAN, VICE PRESIDENT

MARK HEIRBRANDT, MEMBER

RECOMMENDED FOR APPROVAL
RIVK VESZ, COUNTY AUDITOR

SHEM NEAL, P.E., COUNTY ENGINEER, ERC

INDIANA DEPARTMENT OF TRANSPORTATION

BRIDGE PLANS
FOR SPANS OVER 20 FEET
ON
146TH STREET OVER
OVER LITTLE EAGLE CREEK

PROJECT NO. 1401701 P.E.
1401701 CONST.
1401701 R/W

BRIDGE REPLACEMENT OF HAMILTON COUNTY BRIDGE 29
146TH STREET OVER LITTLE EAGLE CREEK IN SECTIONS 18 & 19, T18N, R3E,
WASHINGTON TOWNSHIP, HAMILTON COUNTY, INDIANA.

LATITUDE: 39°59'55.6"             LONGITUDE: 86°14'23.0"

SCALE 1" = 2000'

LOCATION MAP

HAMILTON 29
146TH STREET OVER LITTLE EAGLE CREEK
PROJECT NO. 1401701

BEGIN PROJECT
STA. 102+95.50 "PR-A"

END PROJECT
STA. 104+56.50 "PR-A"

INDIANA DEPARTMENT OF TRANSPORTATION
STANDARD SPECIFICATIONS DATED 2018
TO BE USED WITH THESE PLANS

USI Consultants, Inc.
317.544.4996

3841 East 56th Street
Indianapolis, Indiana 46216

NOT FOR
CONSTRUCTION

STAGE 3 PLANS 4-19-19

HUC: 05120201120070
BRIDGE LENGTH = 0.023 mi.
MAX. GRADE = +2.00%
HYDRAULIC DATA

<table>
<thead>
<tr>
<th>Description</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Elevation Q500 Discharge</td>
<td>8.09 ft.</td>
</tr>
<tr>
<td>Elevation Q500 Natural Water Surface Elevation</td>
<td>844.38 ft.</td>
</tr>
<tr>
<td>Elevation Q500 Headwater Elevation</td>
<td>856.00 ft.</td>
</tr>
<tr>
<td>Existing Cross Waterway Opening Below Q500</td>
<td>730.48 ft.</td>
</tr>
<tr>
<td>Existing Road Overflow Waterway Area</td>
<td>8.89 ft.</td>
</tr>
<tr>
<td>Existing Min. Low Structure Elevation</td>
<td>867.38 ft.</td>
</tr>
<tr>
<td>Existing Freeway</td>
<td>8.0 degrees</td>
</tr>
<tr>
<td>Proposed Q500 Discharge</td>
<td>8.09 ft.</td>
</tr>
<tr>
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</tr>
<tr>
<td>Proposed Freeboard</td>
<td>8.0 ft.</td>
</tr>
</tbody>
</table>

SUMMARY OF SEDIMENT DATA

- Proposed Elevation: 856.00 ft.
- Proposed Q500 Sediment Velocity: 13.77 ft.
- Proposed Q500 Sediment Depth: 9 ft.
- Proposed Q500 Sediment Elevation: 856.00 ft.
- Proposed Q500 Sediment Liquid Elevation: 856.00 ft.
- Proposed Q500 Discharge: 6700 c.f.s.
- Proposed Q500 Natural Water Surface: 844.38 ft.
- Proposed Q500 Maximum Velocity: 11.74 ft.
- Proposed Q500 Erosion Grount Area: 20.18 ft.
- Proposed Q500 Total Scour: 101.14 ft.
- Proposed Q500 Liquid Elevation: 852.43 ft.

EXISTING STRUCTURE

The existing structure is a concrete cast-in-place reinforced concrete structure with flat slab and 2:1 spill through side slope. The bridge has an overall length of 103'-0" with a clear roadway width of 21'-0". The existing structure is to be removed.