

127TH STREET RECONSTRUCTION



Heggs Road to Tuttle Estates

March 16, 2015

Limits of Improvements



Proposed Improvements

3-lane roadway

Curb and Gutter

Roadway Lighting

Shared Use Path



Phase 1 Engineering

Wetlands, Threatened & Endangered Species Consultation

Historic & Archeological Review

Special Waste Screening

Traffic Study

Crash Analysis

Hydraulic Report

Floodway Permit

Public Meeting

Preliminary Culvert Design

Park District Coordination



Illinois Department of Transportation
Memorandum

To: John A. Fortmann, District 1 Attn: Christopher J. Holt
From: D. Carl Puzey By: Timothy A. Armbracht
Subject: PRELIMINARY BRIDGE DESIGN APPROVAL *Timothy A. Armbracht*
Date: March 21, 2014

STP - Bridge Funding SN 045-3054
Village of South Elgin

STATE OF ILLINOIS
Department of Transportation
Division of Highways
2300 South Dirksen Parkway
Springfield, IL 62764

Permit No.: DIL-14-001

**REGULATED FLOODWAY CONSTRUCTION PERMIT
RIVERS, LAKES AND STREAMS ACT "615 ILCS 5"**

PERMISSION IS HEREBY GRANTED TO: Village of South Elgin
735 Marlin Drive
South Elgin, IL 60177

FOR CONSTRUCTION OF: A new bridge along McDonald Road over Otter Creek, which will replace the existing bridge at the same location. The proposed bridge will be a composite steel I-Beam structure. The proposed bridge will have a structure length back to back abutments of 88.5 feet and a span length of 85 feet. The clear roadway width will be 40 feet. The proposed low beam elevation will be 771.14 feet. The project in section 32, Township 41 North, Range 8 East of 3rd Principal Meridian, Kane County, as part of Section Number 11-00038-00-BR, Structure Number 045-3054

IN ACCORDANCE WITH THE Application and Plan
DATED April 16, 2014 AND MADE A PART HEREOF, AND SUBJECT TO THE
TERMS SHOWN ON THE BACK HEREOF AND THE SPECIAL CONDITIONS ATTACHED
HERETO AS EXHIBIT.

EXAMINED AND APPROVED
John Fortmann
REGIONAL ENGINEER/CENTRAL BUREAU CHIEF

DATE 4-17-14

dated December 18, 2013,
hereby approved. This
Permit by your office or

act may be accepted by
lication and signature
estions, contact Matt

you and we will retain

D
EETS

Phase 2 Engineering

Secure ACOE & WSCSWCD Permits

Wetland Mitigation

Land Acquisition

Structure Plans for Culvert

Geometric, Lighting, Erosion Control, MOT & Drainage Plans

Coordinate Utility Conflicts

Earthwork and Cross Sections

Estimate of Cost & Time

Contract Specifications

Improve Safety

Collect Crash Data

Complete Crash
Analysis

Recommend
Countermeasures



West Norman Drain Culvert

Wetland Delineation

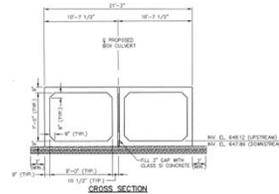
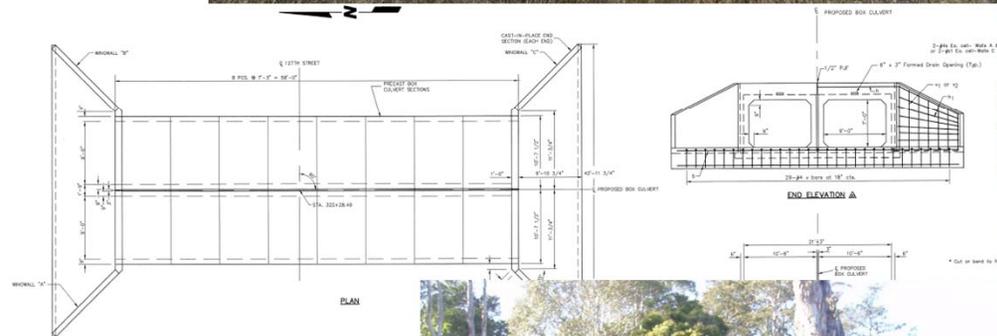
Hydraulic Modeling

Floodway Permit
(IDNR/IDOT)

Army Corps Permit

Will/South-Cook Soil and
Water Conservation District
Permit

Wetland Mitigation



Schedule



Village of Plainfield 127th Street Reconstruction - Heggs Rd to Tuttle Estates



Design
 Submittal
 Agency Review
 Milestone

| Task | 2015 | | | | | | | | | | | | 2016 | | | | | | | | | | | |
|---|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|--|
| | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | | |
| Phase I Engineering | | | | | | | | | | | | | | | | | | | | | | | | |
| Topographic Survey, traffic counts, data collection | | | | | | | | | | | | | | | | | | | | | | | | |
| Complete Crash Analysis | | | | | | | | | | | | | | | | | | | | | | | | |
| Complete Wetland Delineation and Wetland Impact Evaluation | | | | | | | | | | | | | | | | | | | | | | | | |
| Biological And Cultural Resources Review | | | | | | | | | | | | | | | | | | | | | | | | |
| Complete Special Waste Assessment | | | | | | | | | | | | | | | | | | | | | | | | |
| IDOT kick-off meeting | | | | | | | | | | | | | | | | | | | | | | | | |
| Preliminary Roadway Design | | | | | | | | | | | | | | | | | | | | | | | | |
| Existing and Proposed Drainage Plan | | | | | | | | | | | | | | | | | | | | | | | | |
| Hydraulic Analysis for W. Norman Drain Culvert | | | | | | | | | | | | | | | | | | | | | | | | |
| Obtain Floodway Permit | | | | | | | | | | | | | | | | | | | | | | | | |
| Public Meeting | | | | | | | | | | | | | | | | | | | | | | | | |
| Submit Draft Project Development Report (PDR) | | | | | | | | | | | | | | | | | | | | | | | | |
| IDOT review | | | | | | | | | | | | | | | | | | | | | | | | |
| Submit Final PDR | | | | | | | | | | | | | | | | | | | | | | | | |
| IDOT Phase I Approval | | | | | | | | | | | | | | | | | | | | | | | | |
| Phase II Engineering | | | | | | | | | | | | | | | | | | | | | | | | |
| IDOT kick-off meeting | | | | | | | | | | | | | | | | | | | | | | | | |
| ACOE and Will-South Cook SWCD Permits | | | | | | | | | | | | | | | | | | | | | | | | |
| Barrier Warrant Design | | | | | | | | | | | | | | | | | | | | | | | | |
| Prepare and Submit Preliminary Plans, Specifications & Estimates <i>March 4, 2016</i> | | | | | | | | | | | | | | | | | | | | | | | | |
| IDOT Prefinal Review | | | | | | | | | | | | | | | | | | | | | | | | |
| Address IDOT/village Comments | | | | | | | | | | | | | | | | | | | | | | | | |
| Submit Final PS&E <i>May 2, 2016</i> | | | | | | | | | | | | | | | | | | | | | | | | |
| State Construction Letting <i>July 29, 2016</i> | | | | | | | | | | | | | | | | | | | | | | | | |
| Land Acquisition | | | | | | | | | | | | | | | | | | | | | | | | |
| Plats & Legals | | | | | | | | | | | | | | | | | | | | | | | | |
| Appraisals & Review Appraisals | | | | | | | | | | | | | | | | | | | | | | | | |
| Right of Way Acquisition Negotiations | | | | | | | | | | | | | | | | | | | | | | | | |
| Right of Way Complete | | | | | | | | | | | | | | | | | | | | | | | | |

Each task includes estimated review time by IDOT

Questions?

