### **TOTAL** SHEET ROUTE **SECTION** COUNTY **SHEETS NUMBER** DUPAGE FAI 290 22-2HB-1-F 4

### FOR INDEX OF SHEETS SEE SHEET 2

# **STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS DISTRICT ONE**

## **IMPROVEMENT IS LOCATED** IN THE VILLAGE OF ADDISON

# **PROPOSED HIGHWAY PLANS**

FAI ROUTE 290: I-290 (EISENHOWER EXPWY) **OVER IL 83 (KINGERY HWY)** SECTION 22-2HB-1-F **BEAM FABRICATION DUPAGE COUNTY** C-91-769-09 SN 022-0096,-0097

**BEAM FABRICATION** FOR: SN 022-0096,-0097

R 11 E

# **LOCATION OF IMPROVEMENT INDICATED THUS:**

**CONTRACT NO. 60H71** 

D-91-768-09

### TRAFFIC DATA:

1-290: POSTED SPEED LIMIT = 55 MPH 2007 ADT = 144,200

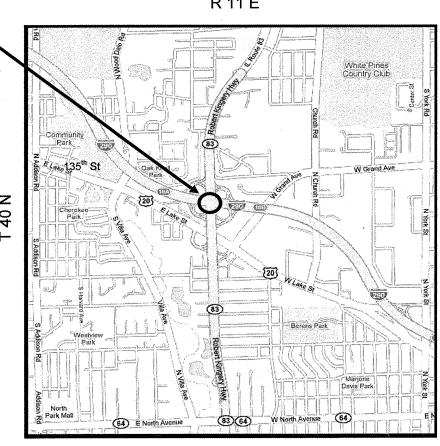
IL 83: POSTED SPEED LIMIT EXPRESS LANES = 50 MPH CD LANES = 45 MPH 2007 ADT = 55,800

PROJECT ENGINEER **PROJECT MANAGER** 

**ROBERT BORO (847) 705-4178** 

**KEN ENG** 

**CONTRACT NO. 60H71** 



**ADDISON TOWNSHIP** 

### STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS**

SUBMITTED: MAY 20.

# PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

J.U.L.I.E.: JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION (800) 892-0123 OR 811

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
FAI 290	22-2HB-1-F	DUPAGE	4	2

CONTRACT NO: 60H71

# **INDEX OF SHEETS**

- TITLE SHEET
- INDEX OF SHEETS AND SUMMARY OF QUANTITIES
- 3 4 BRIDGE FABRICATION PLAN SHEETS

URBAN 1004.STATE

SUMMARY OF QUANTITIES CONSTRUCTION TYPE CODE: SFTY – 2A				
CODE NO.	ITEMS		UNITS	TOTAL QUANTITY
50500205	FURNISHING STRUCTURAL STE	EL	L SUM	1
50500455	STORAGE OF STRUCTURAL STE	EEL	CAL DA	30
			:	

ILLINOIS DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS SUMMARY OF QUANTITIES

### GENERAL NOTES STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION All structural steel shall conform to AASHTO Classification M-270 Gr. 36. unless otherwise noted. (Calculated weight of Structural Steel = 9260 pounds) Fasteners shall be high strength bolts. Bolts 78'4, open holes 15,6'4, unless otherwise noted. Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid 29'-0" \* Temporary shoring may be required to facilitate \* Temporary shoring is required for Beams 10S & 10N. alignment of existing splice. Use 12" x 12" The shoring shall be removed as soon as possible after The Organic Zinc Rich Primer / Epoxy / Urethane Paint System shall be used Timbers or HP's to be paid for as Temporary the splice is completed to minimize Traffic Control. for painting of new structural steel except where otherwise noted. The entire Shoring and Cribbing. system shall be shop applied, with the exception that masked off connection surfaces, field installed fasteners and damaged areas shall be touched up in the \* Shoring information is provided field. The color of the final finish coat for all interior steel surfaces shall be for information only. Gray, Munsell No. 5B 7/1. The color of the final finish coat for the exterior ELEVATION and bottom flange of the fascia beams shall be Reddish Brown, Munsell No. 2.5YR 3/4. See Special Provision for "Cleaning and Painting New Metal Structures". Load carrying components designated "NTR" shall conform to the Supplemental Requirements for Notch Toughness, Zone 2. **6**)-Diaphragm connection holes shall be 15/16 "of for 34" bolts. Two hardened washers shall be required at diaphragm connections. \* The Contractor shall provide support and/or shoring systems for the slab (4)and beam in the area of existing beam removal. See Special Provisions "Temporary Shoring and Cribbing" and "Temporary Slab Support System." SN 022-0096 3)-2)-2 Spaces at *(95)-***D**7 8'-312" = 16'-7' (A) -(10S)-€ Exist. Splice 2 Splice I 70'-2" 16'-9" 84'-5" 88'-8'' 25'-0" Typ.Typ (A) 2 Spaces at 8'-3'2" = 16'-7 (3)-SN 022-0097 4)-(5)--4'-53 (6)-<u>±21'-5"</u> (8)-**A** ∠B - See Note A -- € Pier 1 110'-2" (Span 2) 88'-8" (Span 3) 95'-2" (Span 1) 294'-0" € Brg. to € Brg. FRAMING PLAN TOTAL BILL OF MATERIAL - Strengthening Æ's∽ Existing Beam to be Replaced. Conduit welded to the bottom flange UNIT QUANTITY Existing Beam to be Straightened & Strengthened. may need to be removed and replaced to facilitate placement of strengthening P. Replace Bottom Clip Angle. Furnishing Structural Steel L.S. Existing Beam to be Straightened. Storage of Structural Steel 5'-9" 2'-10'2" 2'-102" --- € Impact 081-004625 PLAN & ELEVATION STRENGTHENING DETAIL SN 022-0096 & 0097 DESIGNED Aup & Buyon VH CHECKEDADNAMI. Halloway TOTAL SHEET SHEET NO. 7 Spaces at 6" = 3'-6" 4 spaces at | 4 spaces at SECTION COUNTY 3" = 1'-0" 3" = 1'-0" SHEET NO. 1 Kyle M. Steffen STRENGTHENING PLATE 4 3 22-2HB-1-F DuPAGE 290 CHECKED ASB ATH ₽ 1<sup>3</sup>8'' x 7<sup>1</sup>2'' x 5'-9'' (NTR) (2 Required) 2 SHEETS CONTRACT NO. 60H71 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT Expires: November 30, 2010

