06-15-2018 LETTING ITEM 107

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12-19 WEST PARAPET DETAILS (SN 101-0133) 20-27 EAST PARAPET DETAILS (SN 101-0134) 28-35 WEST PARAPET DETAILS (SN 101-0134)

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STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

DIVISION OF HIGHWAYS

PROPOSED HIGHWAY PLANS

PROJECT: NHPP-PEA2(247)
FAI ROUTE 39 (I-39)
SECTION (201-1B)BDR
BRIDGE REHABILITATION
S.N. 101-0133 SOUTHBOUND
S.N. 101-0134 NORTHBOUND
WINNEBAGO COUNTY

C-92-027-18

TRAFFIC DATA:
FUNCTIONAL CLASSIFICATION
FEDERAL AID INTERSTATE
2017 ADT = 16,700
EST. TRUCK % = 33%



FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS. THE ABOVE SCALES MAY BE USED.

J.U.L.I.E. JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION 1-800-892-0123 OR 815

PROJECT ENGINEER: JEFFREY EHRHART, P.E. (312) 256-9090 PROJECT MANAGER: MAHMOUD ETEMADI, P.E. (815) 284-5359

S.N. 101-0133 SB
S.N. 101-0134 NB
S.N. 101-0134 NB
S.N. 101-0134 NB
S.N. 101-0135 SB
S.N. 101-0136 SB
S.N. 101-0137 SB
S.N. 101-0138 SB
S.N. 1

LOCATION MAP N.T.S.

GROSS LENGTH = 1,200 FT. = 0.23 MILE

NET LENGTH = 1,200 FT. = 0.23 MILE



JEFFREY C. EHRHART, P.E.



GERALD KOYLASS, P.E., S.E.

PREPARED BY
WYNNDALCO

0-92-019-18



DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED

DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
REGION ENGINEER

ENGINEER OF DESIGN AND ENVIRONMENT

TO THE PROPERTY OF THE PR

STATE OF ILLINOIS

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

CONTRACT NO. 64M74

90% FED 0% STATE TOTAL OUANTITY URBAN 660	BRIDGE 0013 101-0133	BRIDGE 0013 101-0134 390	ROADWAY OO13 URBAN
OUANTITY URBAN	0013 101-0133	0013 101-0134	0013
URBAN	101-0133	101-0134	
			URBAN
660	270	390	
	!		
1			1
1			1
			1
1,066.5	480	586.5	
	1,066.5	1 1,01de.5 480	1,066.5 480 586.5

F.A.I RTE.

SECTION

(201-1B)BDR

ECTION COUNTY | TOTAL SHEET | SHEETS | NO. |

1-IB)BDR | WINNEBAGO | 35 | 2 |

| CONTRACT | NO. 64M74 |

| ILLINOIS | FED. AID PROJECT |

REVISED REVISED USER NAME = Jeff Ehrher

19081 Old LoGrange Rd, Ste. 106
Mokend, It 60448
312.256.9090

USER NAME = Jeff Ehrher

PLOT SCALE =
PLOT DATE = 3/12/2018 USER NAME = Jeff Ehrhert DESIGNED - MJL SUMMARY OF QUANTITIES STATE OF ILLINOIS CHECKED - JCE DRAWN - MUL CHECKED - UCE DEPARTMENT OF TRANSPORTATION REVISED SHEET NO. 1 OF 1 SHEETS REVISED

WYNNDALCO 19081 Old LaGrange Rd, Ste. 106 Mokena, IL 60448 312.256.9090 S.M. 101-0133 (S.B.) and S.M. 101-0134 (M.B.)

Built as F.A. Route 412, Section 201-1B in 1980. The Southbound and Northbound superstructures each consist of a 1090'-0" post-tensioned segmental concrete box girder. In 2008 the Structure was reconstructed. The post-tensioned segmental concrete box girders were retrofilted with external post-tensioning, waterproofing membrane and wearing surface were removed and replaced, and a FAST system installed. Appr. Span 30′-0" South Existing Structure EPOXY INJECTION OF CRACKS AND CONCRETE REPAIRS OF PARAPETS PROPOSED SCOPE OF WORK Bk. S. Appr. Sta. 2419+60.00 ŀν Mi Rackeddin Abut. -8k, S. Appr. Sta. 2418+81.00 © Brg. S. Abut. Sta. 2419+11.00 Exist. Finger Jt. 4'-034" ÛÛ S. Appr. Span 2420+00 USER NAME = \$USER\$ 170'-0" Span 1 Exist. © Brg. S. Abut. Sta. 2420+10.00 3'-11" Finger # Pier 1 Span 1 170'-0" Top of Overlay-© Pier 1 Sta. 2421+80.00-Top of Deck £ Pier 1 Sra. 2420+81.00 DESIGNED CHECKED DRAWN 37'-0" 37'-0" EXISTING PARAPET SECTION JCE MJL 1'-6" 250'-0" Span 2 5" Out to Out ڀِ ڀِ 9'-3' Shidr. 5-3" 5'-3' REVISED REVISED REVISED 1'-9" Shidr. Shldr. Shidr. 7" 1'-9" 1'-9" 1'-9" 1'-9" Parapet (typ.) 250'-0" Span 2 ιō 1'-4¹2" 1'-5" Pier N © Pier 2 Sta. 2424+30.00 © Pier 2 Sta. 2423+31.00 リ金と STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION ELEVATION US3'-0" Bk. To Bk. Approaches (Northbound) 250'-0" Span 3 € N.B. Roadway PLAN 2425+00 Post-Tensioned Segmental Concrete Box Girder 1170'-0" Bk. To Bk. Approaches (Southbound) - E S.B. Roadway 250'-0" Span 3 Pier 3 € F.A.I. 39 Prop. Constr. © Pier 3 Sta. 2425+81.00 © Pier 3 Sta. 2426+80.00-**⋙**-ŵ-**>>** Z XISHWAUKEE OCATION SKETCH 20 29 I- 39 250'-0" Span 4 Stage I Const Existing _____ Groundline Rotary 38 - 6 Stage i. Const. SHEET NO. € Pi Sta.] Pier 4 Sta. 2428+31.00-3rd. P. II. Span 4 250'-0" Twp. 43N Pier 4 SHEETS STRUCTURE NOS. 101-0133 (S.B.) & 101-0134 (N.B.) LL! £ Pier 4 Sta. 2429+30.00— I-39 (FAI 39) OVER KISHWAUKEE RIVER 170'-0" SECTION (201-1B)M-3 © Brg. N. Abut._ Sta. 2430+01.00 WINNEBAGO COUNTY STATION 2425+00 Exist. Finger Jt. 4'-03g" GENERAL PLAN RTE. Span 5 2430+00 N. Abut. 8k. N. APPr. Sta. 2431+30.00 (201-1B)BDR SECTION 431-0" © Brg. N. Abut. Sta. 2431:00.00-North Appr. Span --Exist. Finger Jr. -8k. N. Appr. Sta. 2430+44.00 North Appr. Span WINNEBAGO 35 3
CONTRACT NO. 64M74 COUNTY SHEETS NO. 30' 0"





























































