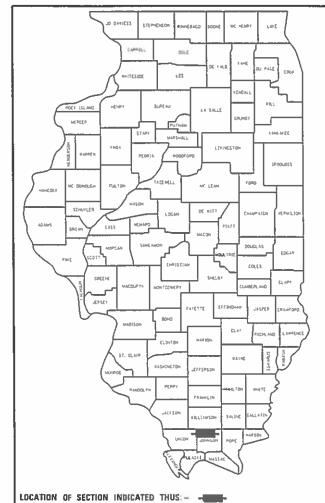
09-21-2018 LETTING ITEM 033

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION ***** 15 + 1 = 16 TOTAL SHEETS 927 D9 BRIDGE REPAIR 2018-4 JOHNSON



STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

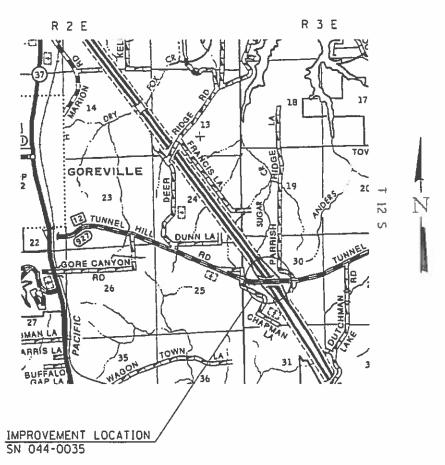
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

PROPOSED HIGHWAY PLANS

FAS ROUTE 927 (TUNNEL HILL) OVER 1–24 PROJECT NHPP-4A87(854) D9 BRIDGE REPAIR 2018-4 JOHNSON COUNTY

C-99-007-18



FOR INDEX OF SHEETS, SEE SHEET NO. 2 FOR SUMMARY OF QUANTITIES, SEE SHEET NO. 3-5

TRAFFIC DATA

2018 ADT: 1,480 SPEED LIMIT: 55 MPH

0

TOWNSHIPS

DESIGN DESIGNATION: N/A

COORDINATE SYSTEM : ILLINOIS COORDINATE SYSTEM, EAST ZONE

POSTED SPEED: 55 MPH

J.U.L.I.E.

JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION

1-800-892-0123

PROJECT ENGINEER: DAVID PICHE

PROJECT DESIGNER: CHRIS LAMPORT

GROSS LENGTH = 292 FT. = 0.05 MILES NET LENGTH = 292 FT. = 0.05 MILES

CONTRACT NO. 78615

↑ REV. 9-10-2018

GENERAL NOTES

- 1) THE THICKNESS OF HOT-MIX ASPHALT MIXTURE SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE HOT-MIX ASPHALT MIXTURE IS PLACED.
- 2) FACTORS USED FOR ESTIMATING PLAN QUANTITIES ARE AS FOLLOWS AND SHALL NOT BE USED FOR THE BASIS OF FINAL QUANTITIES:

ALL HOT MIX ASPHALT 2.016 TONS/CU.YD.

- 3) IN ADDITION TO THE REQUIREMENTS OF ARTICLE 107.16 THE CONTRACTOR SHALL PROTECT THE SURFACE OF ALL BRIDGE DECKS AND BRIDGE APPROACH PAVEMENTS IN A MANNER SATISFACTORY TO THE ENGINEER BEFORE ANY EQUIPMENT IS ALLOWED TO CROSS THE STRUCTURE. PROTECTION SHALL BE PROVIDED FOR ALL EQUIPMENT AS DEFINED IN ARTICLE 101.17 REGARDLESS IF TRACK MOUNTED OR
- 4) AT ALL LOCATIONS WHERE THE PROPOSED HOT MIX ASPHALT OR CONCRETE PAVEMENT JOINS AN EXISTING HOT MIX ASPHALT OR CONCRETE PAVEMENT, A FULL DEPTH SAWED JOINT SHALL BE CONSTRUCTED. THE COST OF THIS JOINT WILL BE INCLUDED IN THE COST OF THE TYPE OF PAVEMENT BEING CONSTRUCTED.
- 5) THE CENTERLINE PAVEMENT MARKING SHALL BE REMOVED FROM THE STOP BAR TO THE SAND ATTENUATORS OR DRUMS. EDGE LINE PAVEMENT MARKING SHOULD BE REMOVED IF A 10 FT LANE WIDTH CANNOT BE MAINTAINED. TEMPORARY EDGE LINES SHOULD BE INSTALLED WHEN THE EDGE LINES ARE REMOVED.
- 6) AFTER A LIFT OF HOT MIX ASPHALT HAS BEEN PLACED. THE LANE SHALL REMAIN CLOSED TO TRAFFIC UNTIL THE NEW MAT HAS COOLED TO 150 DEGREES FAHRENHEIT.
- 7) PRIOR TO PLACEMENT OF THE FINAL PAVEMENT MARKINGS THE RESIDENT ENGINEER SHOULD CONTACT THE BUREAU OF OPERATIONS AND ARRANGE FOR INSPECTION AND APPROVAL OF THE PAVEMENT MARKING LAYOUT.
- 8) THE ADVANCE DETECTOR LOOPS ARE TYPICALLY LOCATED 275 FEET IN ADVANCE OF THE STOP BAR. THE BUREAU OF OPERATIONS SHOULD APPROVE THE LOOP LOCATIONS PRIOR TO INSTALLATION.
- 9) COMMITMENTS: NONE AS OF JUNE 29, 2018.

MIXTURE REQUIREMENTS

LOCATION(S):	HMA SURFACE COURSE
MIXTURE USE(S):	HMA SURFACE CSE, MIX C. N70 FINE GRADED
AC/PG GRADE:	PG64-22
ABR % (MAX.):	SEE BDE SPECIAL PROVISIONS
DESIGN AIR VOIDS:	4.0%. 70 GYRATION DESIGN
MIXTURE COMPOSITION: (GRADATION MIXTURE)	IL-9.5mm FINE GRADED
FRICTION AGGREGATE:	C SURFACE
MIXTURE WEIGHT:	112 LBS/SO YD/IN
QUALITY MANAGEMENT PROGRAM:	OCOA
MIXTURE WEIGHT:	NA .

STANDARDS

000001-06	STANDARD SYMBOLS. ABBREVIATIONS AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
701001-02	OFF-ROAD. 2L2W MORE THAN 15' FROM PAVEMENT EDGE
701006-05	OFF-ROAD. 2L2W 15' TO 24" FROM PAVEMENT EDGE
701201-04	LANE CLOSURE, 2L2W DAY ONLY, FOR SPEEDS > 45 MPH
701316-12	LANE CLOSURE, 2L2W BRIDGE REPAIR FOR SPEEDS > 45 MPH
701901-07	TRAFFIC CONTROL DEVICES
780001-05	TYPICAL PAVEMENT MARKINGS
781001-04	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS

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	3-5	SUMMARY OF QUANTITIES							
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	7	TYPICAL SECTIONS AND STAGING							
	8	STAGING DETAILS							
	9	ABUTMENT JOINT DETAILS							
1	CALL.	PARAPET RAILING							
	10	PREFORMED JOINT STRIP SEAL							
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	12	ABUTMENT SUBSTRUCTURE REPAIRS							
	13	BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS							
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d	
	Prepared By: DISTRICT STUDIES & PLANS ENGINEER
	Examined By: Manager of District Land Acoulting Engineer
	Examined By: On Mulan DISTRICT PROGRAM DEVELOPMENT ENGINEER
	Examined By: DISTRICT OPERATIONS ENGINEER
	Examined By: DISTRICT PROJECT IMPLEMENTATION ENGINEER
	Examined By: DISTRICT DONSTRUCTION ENGINEER
Ì	Examined By:

DISTRICT MATERIALS ENGINEER

/1 REV. 9-10-2018

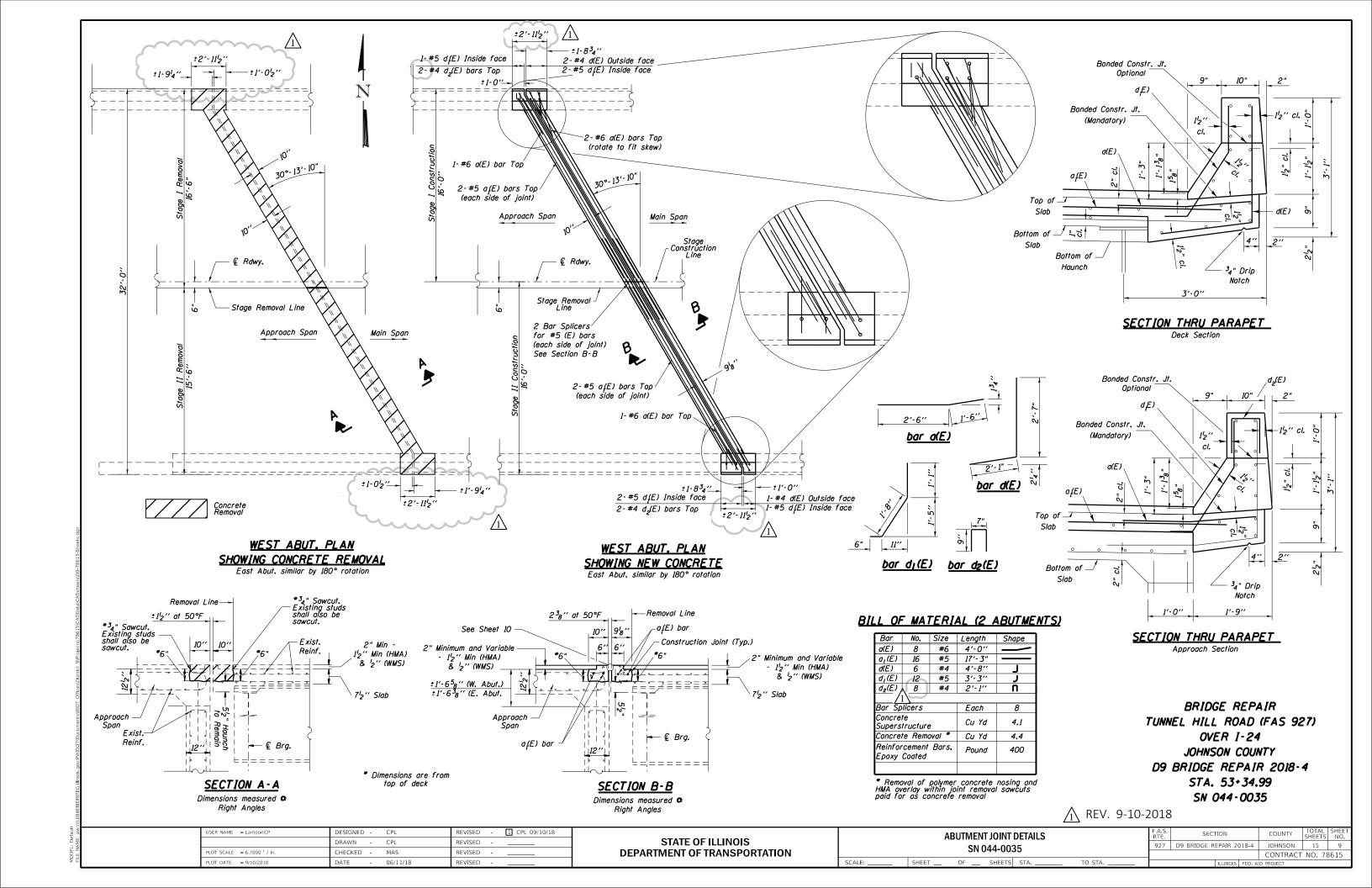
SIGNATURES, GENERAL NOTES, STANDARDS, & INDEX OF SHEETS

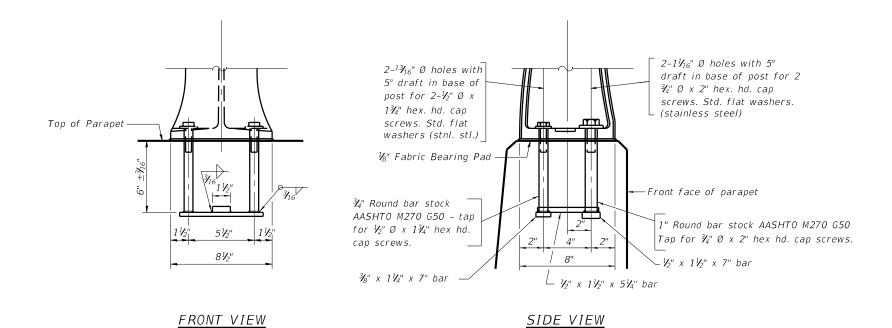
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SHEETS STA

COUNTY SHEETS NO 927 D9 BRIDGE REPAIR 2018-4 JOHNSON 15 2

CONTRACT NO. 78615 ILLINOIS FED AID PROJECT





RAIL POST ANCHOR ASSEMBLY DETAILS

Notes

1) The rail on the parapet is to remain in place. In the areas where the anchor assembly will be removed, a new anchor assembly shall be provided. The cost of new anchor assemblies and any removal and re-erection of railings or posts shall be included in the cost of Concrete Removal 50102400 and no other compensation will be allowed.

2) In lieu of the cast-in-place anchor device shown, the Contractor has the option of drilling and setting steel anchor rods of the same diameter and grade as the specified cap screws according to Article 509.06 of the Standard Specifications. Embedment shall be according to the manufacturer's specifications.

↑ SHEET ADDED 9-10-2018

USER NAME = LamportCP	DESIGNED - CPL	REVISED		PARAPET RAILING					F.A.S. RTF	SECTION	COUNTY	TOTAL	SHEET
	DRAWN - CPL	REVISED	STATE OF ILLINOIS						927	D9 BRIDGE REPAIR 2018-4	JOHNSON	15	9A
PLOT SCALE = 6.7000 ' / in.	CHECKED - MAS	REVISED	DEPARTMENT OF TRANSPORTATION	SN 044-0035							CONTRACT	Γ NO. 78	3615
PLOT DATE = 9/10/2018	DATE - 09/10/18	REVISED		SCALE:	SHEET	OF	SHEETS STA.	TO STA		ILLINOIS FED. AI	D PROJECT		