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03-08-2019 LETTING ITEM 073

FOR INDEX OF SHEETS, SEE SHEET NO. 2

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P SECTION COUNTY TOTAL SHEET NO.

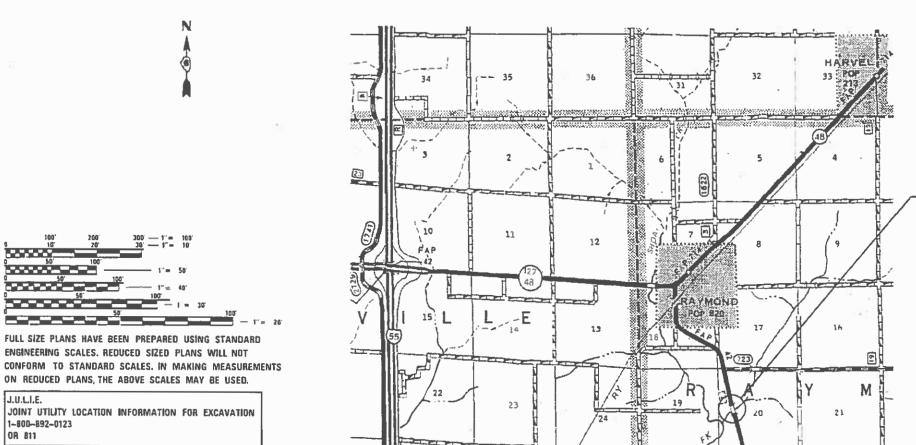
42 1100) BP WOIFGOMERY G 1

D-96-D65-18

PROPOSED BRIDGE PAINTING

FAP 42 (IL 127)
SECTION (102) BP
PROJECT STP—RITD(611)
BRIDGE PAINTING
MONTGOMERY COUNTY

C-96-113-18



COCATION OF SECTION INDICATED THUS:

PROJECT LOCATION SN 068-0058 IL 127 OVER W FK SHOAL CR TRIB 1.6 MJ S !L 48

STATE OF ILLINGIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED 3000 20

REGIONAL ENGINEER

ENGINEER OF DESIGN AND EMBRONMENT

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

BRIDGE MAINTENANCE ENGINEER: BRANDON DUDLEY (217) 785-9290

GROSS LENGTH = x.xx FT. = x.xxx MILE

NET LENGTH = x.xx FT. = x.xxx MILE

CONTRACT NO. 72K79

REV. - MS

INDEX OF SHEETS

HIGHWAY STANDARDS

2 INDEX, STANDARDS, GENERAL NOTES, & SIGNATURES
3 SUMMARY OF QUANTITIES
4-6 EXISTING BRIDGE PLANS (FOR INFORMATION ONLY)

000001-07 001006 701001-02 701006-05 701201-05 701901-08

GENERAL NOTES:

- I. WORK SHALL CONSIST OF BLASTING AND PAINTING STRUCTURAL STEEL AT LOCATIONS DESCRIBED IN THE SPECIAL PROVISIONS. CLEANING AND PAINTING OF THE EXISTING STRUCTURAL STEEL SHALL BE AS SPECIFIED IN THE SPECIAL PROVISIONS FOR "CLEANING AND PAINTING EXISTING STEEL STRUCTURES". ALL AREAS TO BE PAINTED SHALL SHALL BE CLEANED PER NEAR WHITE BLAST CLEANING PER SSPC SP 10. ALL EXISTING STEEL CLEANED SHALL BE PAINTED ACCORDING TO THE REQUIREMENTS OF PAINT SYSTEM 1 OZ/E/U. THE COLOR OF THE FINAL FINISH COATS SHALL BE AS DESCRIBED IN THE SPECIAL PROVISIONS.
- 2 THE USE OF AIR MONITORS WILL NOT BE REQUIRED.
- 3. THE SSPC-OP-I AND SSPC-OP2 PAINTING CONTRACTOR CERTIFICATIONS WILL BE REQUIRED.
- 4. UPON COMPLETION OF PAINTING OPERATIONS. THE CONTRACTOR SHALL REMOVE ALL DEBRIS FROM PIER OR ABUTMENT CAPS UPON WHICH PAINTING OPERATIONS TOOK PLACE. FINAL CLEANUP SHALL BE CONSIDERED INCIDENTAL TO THE PAINT PAY ITEM FOR THE RESPECTIVE LOCATION. THE ENGINEER SHALL HAVE THE RIGHT TO WITHOLD PAYMENT UNTIL SATISFACTORY CLEANUP IS ACHIEVED.

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS DISTRICT 6
EXAMINED August 23rd 20 18 Williamyers ENGINEER OF OPERATIONS
EXAMINED August 22 nd 20 18 Long Long Long Long Long Long Long Long
EXAMINED September 17 20 18 Jeff P. Mayer JENGINEER OF PROGRAM DEVELOPMENT

DESIGNED . REVISED -DRAWN REVISED -PLOT SCALE = 100.0060 ' in. CHECKED -REVISED -PLOT DATE = 10/26/2013 DATE REVISED

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

SCALE:

INDEX OF SHEETS, STANDARDS, GENERAL NOTES, & SIGNATURES SHEET OF SHEETS STA.

TO STA.

REV. - MS COUNTY TOTAL SHEET NO. F.A.P. RTE. SECT!ON MONTGOMERY 6 2 42 (102) 3P CONTRACT NO. 72K79

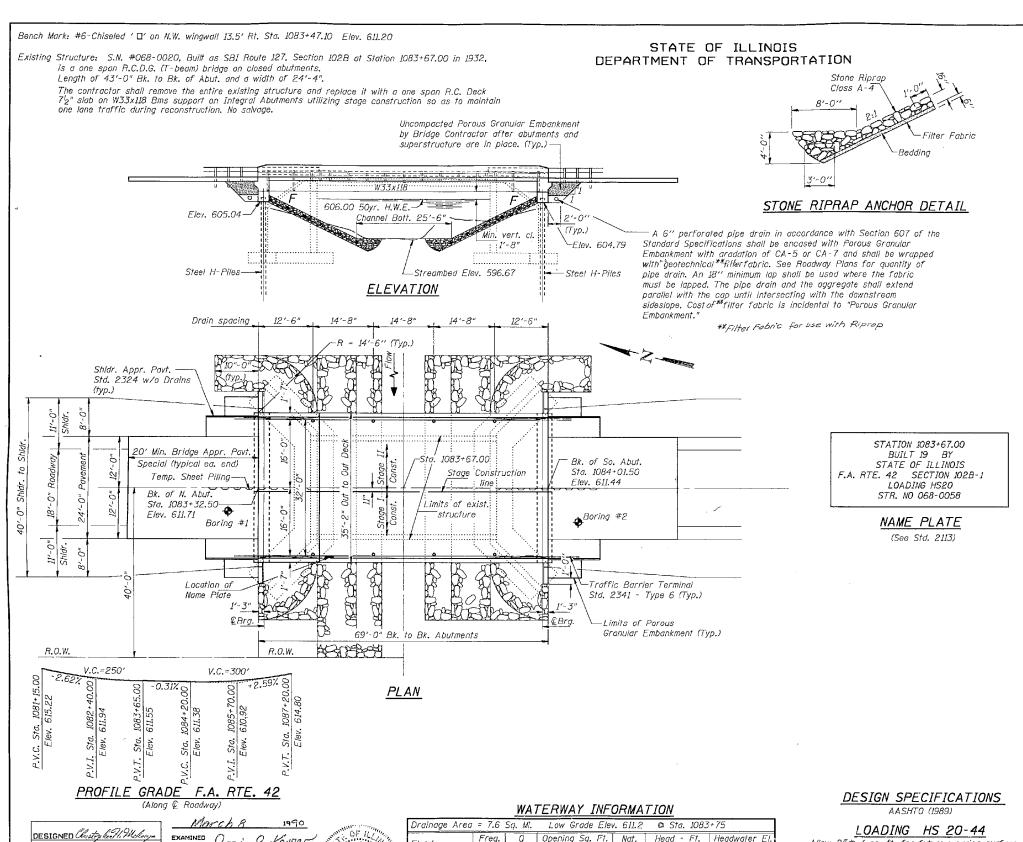
0-01515-6010 STP 80/20

				BRIDGE-RURAL
CODE			TOTAL	0047
NO.	ITEM	UNIT	QUANTITY	
67100100	MOBILIZATION	L SUM	1	1
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	1
X5060601	CONTAINMENT AND DISPOSAL OF NON-LEAD PAINT CLEANING RESIDUES NO. 1	L SUM	1	1
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	30	30
Z0010501	CLEANING AND PAINTING STEEL BRIDGE NO. 1	L SUM	1	1

REV. - MS

USER NAME = dudleybm	DESIGNED -	REVISED -
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PLOT DATE = 10/26/2018	DATE -	REVISED -

	RTE.	SECTION		COUNTY	SHEETS						
SUMMARY OF QUANTITIES						42	(102) BP	N	MONTGOMERY(6	3
<u> </u>									CONTRACT	NO. 72	2K79
SCALE:	SHEET	OF	SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT					



POUTE NO. SOUNTY TOTAL NO. SHEET NO. 173 29 13 SHEETS F.A. 42 1028-1 MONTGOMERY

GENERAL NOTES

See Proposal for Boring Data.

Calculated weight of Structural Steel = 48,150 lbs. (AASHTO M223 Gr. 50) Calculated weight of Structural Steel = 2,900 lbs. (AASHTO M183)

Field welding of construction accessories will not be permitted to the bottom flange of beams. Field welding in other areas will be permitted only when approved by the Engineer.

The main load carrying member components subject to tensile stress shall conform to the Supplemental Requirements for Notch Toughness Zone 2. These Components are the wide flange beams.

Reinforcement bars shall conform to the requirements of AASHTO M-31, M-42 or M-53 Grade 60.

The contractor shall drive one HP10 x 42 Steel test pile in a permanent location at the South Abutment as directed by the Engineer before ordering the remainder of piles.

Layout of slope protection system may be varied in the field to suit ground conditions as directed by the Engineer.

unless otherwise noted.

For Excavation behind the existing abutments and pavement removal see Roadway Plans.

All Structural Steel shall be shop painted experimentally with IC Zinc Silicate primer (formerly K-Zinc 531). See Special Provisions.

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Porous Granular Embankment	Cu. Yd.		82	82
Removal of Existing Structures	Each			1
Structure Excavation	Cu. Yd.		151	151
Floor Drains	Each	8		8
Class X Concrete Superstructure	Cu. Yd.	98.0		98.0
Protective Coat	Sq. Yd.	57		57
Class X Concrete	Cu. Yd.		23.6	23.6
Structural Steel	L.S.	1		1
Stud Shear Connectors	Each	1,020		1,020
Temporary Bridge Rail	Lin. Ft.	40		40
Reinforcement Bars, Epoxy Coated	Pound	18,520	3,300	21.820
Steel Piles (HP10 x 42)	Lin. Ft.		400	400
Test Pile Steel (HP10 x 42)	Each	·	1	1
Name Plates	Each	1		1
Stone Riprap Class A-4	Sq. Yd.		560	560
Filter Fabric for use with Riprap	Sq. Yd.		560	560
Temporary Sheet Piling	Sq. Ft.		779	779

*Quantity includes Parapet only.

3rd. P.M.

LOADING HS 20-44 Allow 25# / sq. ft. for future wearing surface.

DESIGN STRESSES

FIELD UNITS f = 3,500 psi

SCALE:

= 60,000 psi (Reinf.) = 50,000 psi (M223 Grade 50)

SHEET

LOCATION SKETCH

fv = 36.000 psi (M183)

GENERAL PLAN ILL. ROUTE 127 OVER WEST FORK SHOAL CREEK F.A. 42 SECTION 102B-1 MONTGOMERY COUNTY STATION 1083+67.00 STRUCTURE NUMBER 068-0058

USER NAME = dudleybm	DESIGNED -	REVISED -
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PLOT DATE = 10/26/2018	DATE -	REVISED -

061-004885

Flood

Design

Overtopping

Max. Calc.

3ase

100

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

 Opening
 Sq. Ft.
 Nat.
 Head - Ft.
 Headwater El

 Exist.
 Prop.
 H.W.E.
 Exist.
 Prop.
 Exist.
 Prop.

 270
 340
 606.0
 1.8
 1.0
 607.8
 607.8

2.1

EXISTING PL (FOR INFO	,		
OF	SHEETS	STA.	TO STA.

F.A.P. RTE	SECT	ΠΟN		COUNTY	TOTAL SHEETS	SHEET NO.
42	(102) BP		MONTGOMERY	6	4
			CONTRACT	NO. 72	2K79	
		ILLINOIS	EED Δ	ID PROJECT		

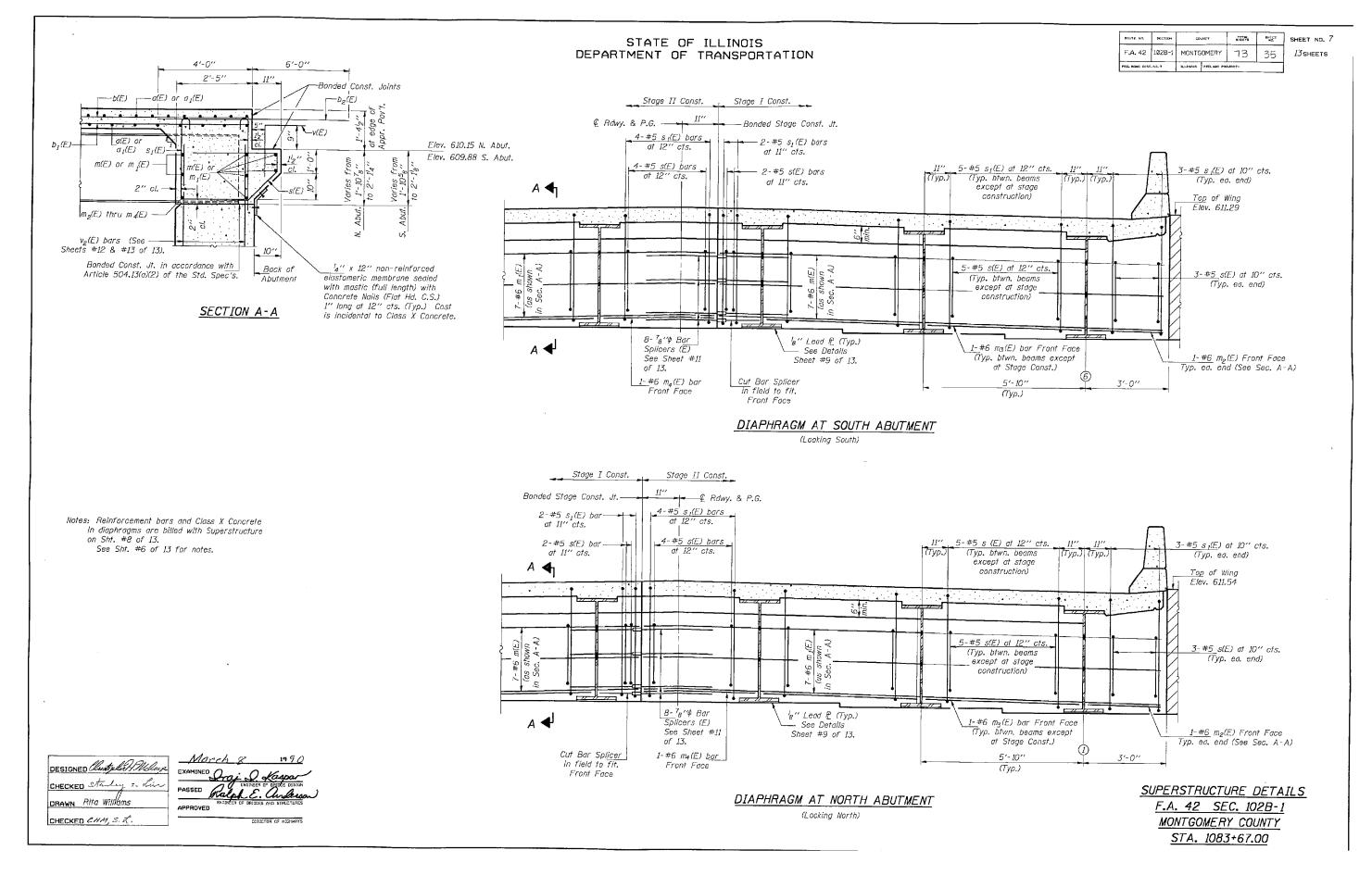
CHECKED Strong of Line

CHECKED CHM,

PASSED

APPROVED

280 360 606.3



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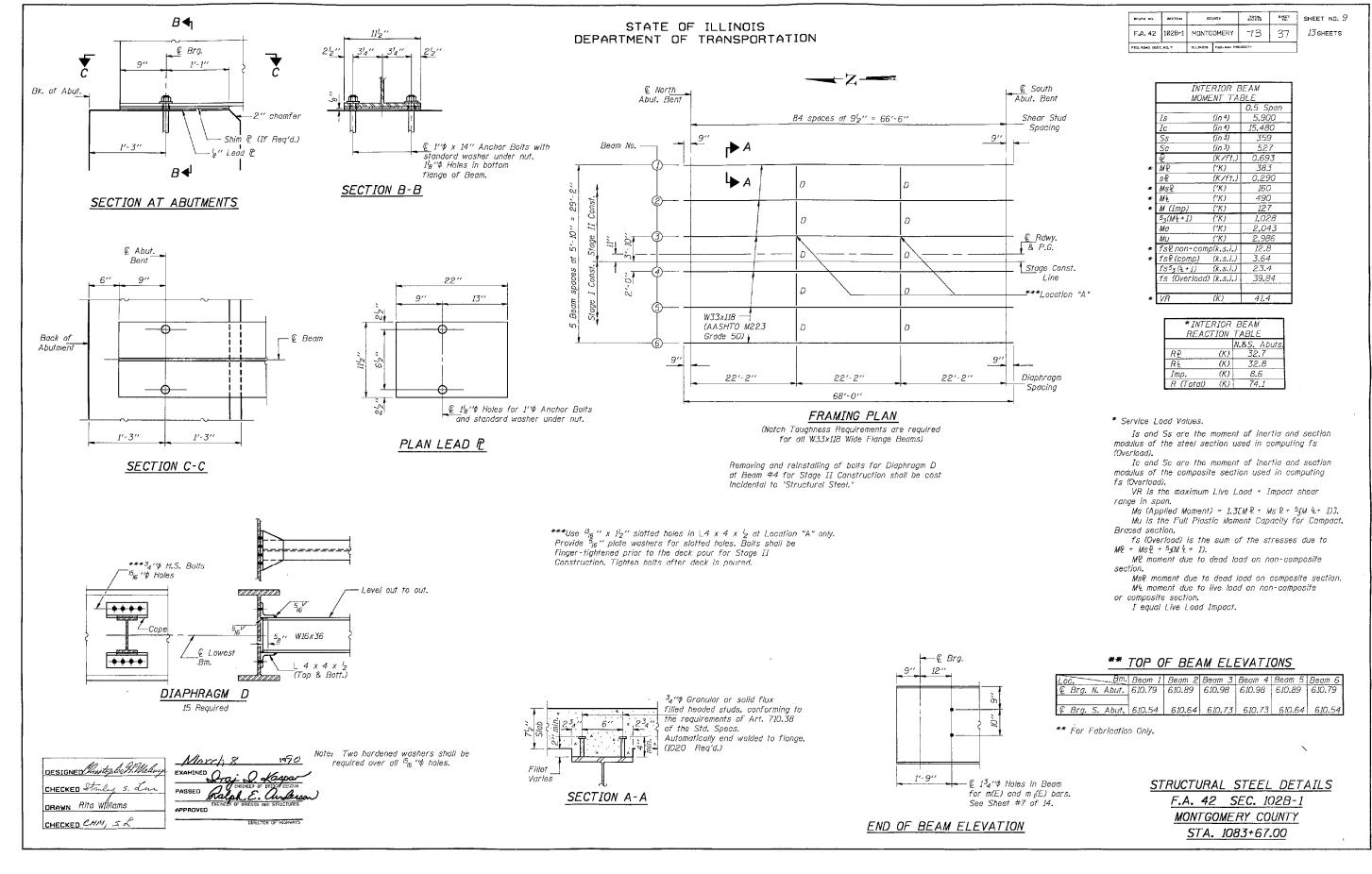
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE:

SHEET

EXISTING PLANS, SN 068-0058
(FOR INFORMATION ONLY)

OF SHEETS STA. TO STA.



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS, SN 068-0058
(FOR INFORMATION ONLY)

TO STA.

SCALE: