### 03-06-2020 LETTING ITEM 060

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LIST OF ILLINOIS DOT HIGHWAY STANDARDS

### 001001--02 606001--07 630301--09 631033--08 643001--02 701101--05 701106--02 701423--10 701426--09 701428--01

701901-08 704001-08 725001-01 780001-05 782006-01 821101-02 830011-03

701601-09



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 EXCAVATORS 1–800–892–0123 OR 811

PROJECT ENGINEER: NICK JACK PROJECT MANAGER: JOSH JOCHUMS CONTRACT NO. 68E79 CATALOG NO. 035699-00D

GROSS LENGTH = 4752 FT. = 0.900 MILE NET LENGTH = 4752 FT. = 0.900 MILE



# PROPOSED HIGHWAY PLANS

FAP ROUTE 693 (IL 9) SECTION (12B)BR, BDR, BJR NHPP-POR8(399) BRIDGE PRESERVATION TAZEWELL COUNTY

C-94-021-19



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REV. 2/4/20 REV. 1/15/20

### GENERAL NOTES

AVAILABILITY OF ELECTRONIC FILES

MicroStation and GEOPAK files of this project will be made available to the Contractor after contract award. If there is a conflict between the electronic files and the printed contract plans and documents, the printed contract plans and documents shall take precedence over the electronic files. The Contractor shall accept all risk associated with using the electronic files and shall hold the Department harmless for any errors or omissions in the electronic files and the data contained therein. Errors or delays resulting from the use of the electronic files by the Contractor shall not result in an extension of time for any interim or final completion date or shall not be considered cause for additional compensation. The Contractor shall not use, share, or distribute these electronic files except for the purpose of constructing this contract. Any claims by third parties due to use or errors shall be the responsibility of the Contractor. The Contractor shall include this disclaimer with the transfer of these electronic files to any other parties and shall include appropriate language binding them to similar responsibilities.

PLAN ELEVATIONS - U.S.G.S. MEAN SEA LEVEL DATUM

Use one of the following two options.

1. All elevations shown on the plans are established from U.S.G.S. mean sea level datum.

2. All elevations shown refer to U.S.G.S. datum at mean sea level unless otherwise noted.

### PROPERTY OWNER ACCESS REQUIREMENTS

Access must be maintained to all existing properties during construction per Article 107.09 unless arrangements are made in writing by the Contractor with the property owners with a copy to the Engineer for short-term closures.

### CRITICAL PATH WORK SCHEDULE REQUIREMENT

The Contractor will submit to the Engineer a satisfactory progress schedule and critical path schedule which shall show the proposed sequence of work at the time of the pre-construction conference.

### ENVIRONMENTAL REVIEWS

Prior to the use of any proposed borrow areas, use areas (temporary access roads, detours, run-arounds, etc.) and/or waste areas, the Contractor shall file the required environmental resource request surveys according to Section 107.22 of the Standard Specifications. These surveys are required in order for the Department to conduct cultural and biological resource surveys for the proposed site.

The required environmental resource documentation shall include the following:

- \* BDE Form 2289 (Cultural and Natural Resources Review of Borrow Areas)
- BDE Form 2290 (Waste/Use Area Review)
- \* A location map showing the size limits and location of the use area
- \* Color photographs depicting the use area
- \* Borrow Area Entry Agreement form D4 PI0101

Prior to any waste materials being removed from the construction site the required environmental resource surveys shall be obtained and filed by the Contractor. Excess waste products removed from the construction site shall be disposed of as required in Section 202.03 of the Standard Specifications.

Any protruding metal bars shall be removed prior to the disposal of broken concrete at approved disposal sites.

Please note that a minimum of four weeks shall be allowed for the District to obtain the required environmental clearances and six weeks for the required borrow site environmental clearances.

ADDITIONAL SUPPLEMENTAL TRAFFIC CONTROL

The Department reserves the right at any time to add additional Traffic Control Systems or devices within the active contract limits, by means of an additional contract. All terms of Article 105.08 of the Standard Specifications shall be followed by each Contractor.

### SIGNING

Sign locations may vary from the stations shown on the plans in accordance with directions from the Engineer at the time of construction. Sign locations may be adjusted in the field to avoid any found utilities.

All wood post locations shall be verified with the Bureau of Operations, Traffic Section, before installation.

### NO PASSING ZONE VERIFICATION

The resident shall contact Operations to verify the location of no passing zones prior to placement of centerline striping.

- 1. All work between Sta. 104+89 and 2nd St. on Ann Eliza St. shall be completed before priority.
- 2. PROTOCTIVE SHIELD will be required at and adjacent to Piers 5. 6. and 9. shall be centered over each pier.

USER NAME = jochumsjg	DESIGNED -	REVISED -				GENI	FRAL NO	TES AND		F.A.P BTE	SECTION	COUNTY	TOTAL	SHEET
	DRAWN -	REVISED -	STATE OF ILLINOIS							693	(12B)BR:BDR.BJR	TAZEWELL	63	2
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION			PRUJEC	I SPECI	FIC NUTES			. ,	CONTRACT	T NO. 6	3E79
PLOT DATE = 12/13/2019	DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS	5 STA.	TO STA.		ILLINOIS FED. AI	D PROJECT		

# PROJECT SPECIFIC NOTES

any other work shall begin. This work shall utilize TRAFFIC CONTROL AND PROTECTION, STANDARD 701601. After the completion of this work, TRAFFIC CONTROL AND PROTECTION, STANDARD 701423 shall take

The protective shield will be required for the full width of the bridge. The protective shield shall protect a total of 20 ft. of bridge length at each pier. The 20 ft. of bridge length

Company	Type of Utility	Type of Conflict	Location	Disposition
US Signal Company/Turnkey Network Solutions	Fiber	Structural Repair of Concrete (Depth Equal to or Less Than 5"), Concrete Removal, Concrete Superstructure	East Abutment, Pier 6 and Pier 9	Caution
Uniti Fiber/PEG Bandwidth	Fiber	Structural Repair of Concrete (Depth Equal to or Less Than 5"), Concrete Removal, Concrete Superstructure	East Abutment, Pier 6 and Pier 9	Caution
i3 Broadband	Fiber	Structural Repair of Concrete (Depth Equal to or Less Than 5"), Concrete Removal, Concrete Superstructure	East Abutment, Pier 6 and Pier 9	Caution

USER NAME = jochumsjg	DESIGNED -	REVISED -				στατ	US OF I	ITHITIES		F.A.P BTE	SECTION	0	COUNTY T	OTAL S	HEET
	DRAWN -	REVISED -	STATE OF ILLINOIS			UIAI	00 01 0			693	(12B)BR;BDR,BJR	т	AZEWELL	63	3
PLOT SCALE = 40.0000 / in.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION									C	ONTRACT N	10. 68E	79
PLOT DATE = 12/13/2019	DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO STA.		ILLINOIS	FED. AID PR	OJECT		

				CONSTRUCT	TION CODE
			URBAN	0047	0021
		1	-	BRIDGE PRES.	ELECTRICAL
CODE			TOTAL	80% FED	80% FED
NO.	I I EM	UNII	QUANTITY	20% STATE	20% STATE
				S.N. 090-0114	
X5210275	HIGH LOAD MULTI-ROTATIONAL BEARINGS, GUIDED EXPANSION, 1900K	EACH	4	4	
35400500	PORTLAND CEMENT CONCRETE BASE COURSE WIDENING 10"	SQ YD	6	6	
42001300	PROTECTIVE COAT	SQ YD	235	235	
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	339	339	
44201292	DOWEL BARS 5/8"	EACH	8	8	
44213204	TIE BARS 3/4"	EACH	116	116	
50102400	CONCRETE REMOVAL	CU YD	113.6	113.6	
50157300	PROTECTIVE SHIELD	SQ YD	560	560	
50300225	CONCRETE STRUCTURES	CU YD	25.2	25.2	
50300255	CONCRETE SUPERSTRUCTURE	CU YD	118.2	118.2	
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	21330	21330	
50800515	BAR SPLICERS	EACH	124	124	
50800530	MECHANICAL SPLICERS	EACH	388	388	
52000110	PREFORMED JOINT STRIP SEAL	FOOT	164	164	
52100530	ANCHOR BOLTS, 1 1/4"	EACH	20	20	

USER NAME = jochumsjg	DESIGNED -	 REVISED -			F.A.P RTF	SECTION	COUNTY	SHEETS	SHEET
	DRAWN -	 REVISED -	STATE OF ILLINOIS	SUMMARY OF OUANTITIES	693	(12B)BR,BDR,BJR	TAZEWELL	63	4
PLOT SCALE = 40.0000 ' / 10.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION	JOMMANI OF QUANTILLS			CONTRAC	T NO. 6	8E 79
PLOT DATE = 12/13/2019	DATE -	REVISED -			1	(ILLINOIS FED. A	ID PROJECT		

					CONSTRUC	TION CODE
				URBAN	0047	0021
					BRIDGE PRES.	ELECTRICAL
	CODE	I TEM		TOTAL	80% FED	80% FED
	NO.		UNII	QUANTITY	207. STATE	20% STATE
-					5.N. 090-0114	
	52100540	ANCHOR BOLTS. 1 1/2"	EACH	80	80	
	50626500	TRANSITIONAL COMBINATION CONCRETE CURB AND GUITTER	FOOT	40	40	
.	7100090		ГАСИ	7	7	
*	5100083	TRAFFIC DARRIER TERMINAL, TIFE 0D	LACH	5	5	
* [	3100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	3	3	
┝						
6	53200310	GUARDRAIL REMOVAL	FOOT	526	526	
6	57000500	ENGINEER'S FIELD OFFICE, TYPE B	CAL MO	6	6	
	57100100	MOBILIZATION	L SUM	1	1	
-						
	70100325	TRAFFIC CONTROL AND PROTECTION, STANDARD 701423	EACH	1	1	
-						
	70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	L SUM	1	1	
-						
	70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	10	10	
	0106800	CHANGEABLE MESSAGE SIGN		0.5	0.5	
	0100000			0.5	0.5	
-	70300100	SUGDI-TEDM DAVEMENT MADY INC	EOAT	27275	27275	
	0300100	STORT TERMI FAVEMENT MARKING	FUUI	21233	21233	
			CO	0.070	0070	
	10300150	SHUKI IERM PAVEMENI MARKING REMUVAL	SU FT	9018	9018	
$\vdash$						
	70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	20295	20295	
L						

### \*= SPECIALTY ITEM

USER NAME = jochumsjg	DESIGNED -	REVISED -			F.A.P	SECTION	COUNTY	TOTAL	SHEET
	DRAWN -	REVISED -	STATE OF ILLINOIS	CUMMADY OF OUANTITIES	693	(12B)BR-BDR-BJR	TAZEWELL	63	5
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION	SUMIMANT OF QUANTITIES			CONTRACT	NO. 6	8E79
PLOT DATE = 12/13/2019	DATE -	REVISED -				ILLINOIS FED.	AID PROJECT		

				CONSTRUC	FION CODE
			URBAN	0047	0021
				BRIDGE PRES.	ELECTRICAL
CODE	ITEM	UNIT	TOTAL	20% STATE	20% STATE
NO.			QUANIIIY	S. N. 090-0114	
70400100	TEMPORARY CONCRETE BARRIER	FOOT	5626	5626	
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	5584	5584	
70600250	IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3	EACH	2	2	
70600350	IMPACT ATTENHATORS RELOCATE (NON- REDIRECTIVE) TEST LEVEL 3	FACH	2	2	
	INFACT ATTENDATORS, RELOCATE (NON REDIRECTIVE), TEST ELVEE 5		2	2	
72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	3	3	
78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	20295	20295	
78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	6	6	
81028310	UNDERGROUND CONDUIT, PVC, 3/4" DIA.	FOOT	600		600
91029340			130		130
8110/580	CONDULT ATTACHED TO STRUCTURE 2" DIA STAINLESS STEEL	FOOT	300		300
81300550	JUNCTION BOX. STAINLESS STEEL. ATTACHED TO STRUCTURE. 12" X 12" X 6"	EACH	2		2
81300555	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 12" X 12" X 8"	EACH	2		2
82110008	LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H	EACH	1		1
82500330	LIGHTING CONTROLLER, PEDESTAL MOUNTED, 240 VOLT, 60 AMP	EACH	1		1
83060510	LIGHT POLE, GALVANIZED STEEL, 50FT. M.H., 6FT. MAST ARM	EACH	1		1
87900200		EACH	1		1
01300200			1		1
L					

USER NAME = jochumsjg	DESIGNED -	REVISED -			F.A.P RTE.	SECTION	COUNTY	TOTAL S SHEETS	HEET
	DRAWN -	REVISED -	STATE OF ILLINOIS	SUMMARY OF OUANTITIES	693	(12B)BR,BDR,BJR	TAZEWELL	. 63	6
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION	COMMANY OF COANTINED			CONTRAC	T NO. 68	ίΕ79
PLOT DATE = 12/13/2019	DATE -	REVISED -				ILLINOIS FED. A	ID PROJECT		

# REV. 2/11/20REV. 1/15/20

					CONSTRUCT	FION CODE
				URBAN	0047	0021
ſ			1		BRIDGE PRES.	ELECTRICAL
	CODE	I TEM		TOTAL	80% FED	80% FED
	NO.			QUANTITY	20% STATE	20% STATE
					5.N. 090-0114	
	V0724C07			1		1
*	XUJ2460J	CIRCUIT DREAKER, I-FULE, ZU AMF, IZUV IN EXISTING ISU CADINET	EACH	L		1
*	X0325754	REPLACEMENT OF SENSORS FOR ROADWAY INFORMATION SYSTEM	L SUM	1		1
	X0326357			1		1
	X0320337		L 30IVI	1		1
*	X0326645	UPGRADE RPU EQUIPMENT AND COMMUNICATIONS AT RWIS SITE	EACH	1		1
	X0326945	CLOSED CIRCUIT TELEVISION CAMERA FOUIPMENT	EACH	1		1
*			EACH	_		-
*	V0707770			1		1
*	X0221123	MISCELLANEOUS ELECTRICAL WORK	L SUM	1		1
	X0327980	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	6765	6765	
*	X1400127	CAT 6 ETHERNET CABLE	FOOT	1268		1268
*	X1400179	CLOSED CIRCUIT TELEVISION DOME CAMERA. HD	FACH	5		5
						-
	VE 21 0 200		FACU	4	4	
	X5210200	HIGH LOAD MULTI-ROTATIONAL BEARING, GUIDED EXPANSION, 650K	EACH	4	4	
	X5210210	HIGH LOAD MULTI-ROTATIONAL BEARING, GUIDED EXPANSION, 700K	EACH	4	4	
	X5210255	HIGH LOAD MULTI-ROTATIONAL BEARINGS, GUIDED EXPANSION, 1700K	EACH	4	4	
	X2210275	HIGH LOAD MULTEROTATIONAL REARINGS GUIDED EXPANSION 1900K	EVU	л	Λ	
	XJ21027J		LACIT	4	4	
	X6061815	COMBINATION CONCRETE CURB AND GUTTER, TYPE M (SPECIAL)	FOOT	299	299	
	X7030005	TEMPORARY PAVEMENT MARKING REMOVAL	SO FT	6765	6765	
	V0110457		FOOT	75		7 F
*	X011U453	CUNDUIT ATTACHED TO STRUCTURE, 374° DIA. STAINLESS STEEL	FUUT	25		35
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# \*= SPECIALTY ITEM

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USER NAME = jochumsjg	DESIGNED -	REVISED -			F.A.P RTF	SECTION	COUNTY	TOTAL SHEET
	DRAWN -	REVISED -	STATE OF ILLINOIS	CUMMADY OF OUANTITIES	693	(12B)BR.BDR.BJR	TAZEWELL	63 7
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION	SUMMANT OF COAMTITLS			CONTRAC	T NO. 68E79
PLOT DATE = 12/13/2019	DATE -	REVISED -				ILLINOIS FED.	AID PROJECT	

# REV. 2/11/20 REV. 2/4/20 REV. 1/15/20

				CONSTRUC	TION
			URBAN	BRIDGE PRES	
0005			TOTAL	80% FED	8
NO.	ITEM	UNIT	QUANTITY	20% STATE	20
				S.N. 090-0114	
X811045	CONDUIT ATTACHED TO STRUCTURE, 1 1/2" DIA., STAINLESS STEEL	FOOT	125		
X8130110	JUNCTION BOX (SPECIAL)	EACH	2		
Z000100	GUARDRAIL AGGREGATE EROSION CONTROL	TON	55	55	
Z000189	JACK AND REMOVE EXISTING BEARINGS	EACH	16	16	
7000190	STRUCTURAL STEEL REMOVAL	POLIND	110	110	<u> </u>
2000130.					
Z000190!	STRUCTURAL STEEL REPAIR	POUND	50	50	
7001075	STRUCTURAL REPAIR OF CONCRETE ( DERTH FOUND TO OR LESS THAN 5 INCHES)		262	262	
Z0012755	STRUCTURAL REPAIR OF CONCRETE (DEPTH EDUAL TO OR LESS THAN 5 INCHES)	SQ FT	524	524	
Z001620	DECK SLAB REPAIR (PARTIAL)	SQ YD	1133	1133	
Z0034390	MODULAR EXPANSION JOINT 6"	FOOT	90	90	
7007470			0.7	0.7	 
2003439.	MODULAR EXPANSION JUINI 9	1001	32		
Z003450	MODULAR EXPANSION JOINT 18"	FOOT	84	84	
Ø Z0076600	TRAINEES	HOUR	1000	1000	
Ø Z0076604	TRAINEES - TRAINING PROGRAM GRADUATE	HOUR	1000	1000	
				<u> </u>	

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

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DATE -

PLOT SCALE = 40.0000 '/ in.

PLOT DATE = 12/13/2019

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	F.A.P RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SUMMARY OF QUANTITIES	693	(12B)BR,BDR,BJR	TAZEWELL	63	8
			CONTRACT	NO.6	8E79
		ILLINOIS FED. A	ID PROJECT		
			-		

# REV. 2/4/20 REV. 1/28/20 REV. 1/15/20



# EXISTING

# **5" CONCRETE WEARING SURFACE**

(B) ORTHOTROPIC STEEL PLATE DECK
(C) 3 FLOOR BEAMS AT 20' ON CENTERS
(1) 8" CONCRETE DECK
(2) WIDE FLANGE STRINGER
(4) STEEL GIRDER

١	SECTIONS		F.A.P RTE	SECT	ION		COUNTY	TOTAL SHEETS	SHEET NO.
			693	(12B)BR	BDR,BJF	2	TAZEWELL	63	9
_							CONTRACT	NO. 68	3E79
5	STA.	TO STA.			ILLINOIS	FED. AI	ID PROJECT		

TRAFFIC CONTROL SURVEILLANCE						
LOCATION	70103815					
	CAL DAY					
JOBSITE	10					
TOTAL	10					

CHANGEABLE MESSAGE SIGN						
	70106800					
LOCATION	CAL MO					
JOBSITE	0.5					
TOTAL	0.5					

		SHORT-TERM PAVEMENT MARKING							
L	OCATION			70300100	70300150				
STA	то	STA	NOTES	SHORT-TERM PAVEMENT MARKING	SHORT-TERM PAVEMENT MARKING REMOVAL				
				FT	SF				
	STAG	E 1-EBL							
62+90	ТО	75+16	ONE LINE	1226	409				
75+16	то	104+89	TWO LINES	5946	1982				
104+89	ТО	105+69	ONE LINE	80	27				
	STAG	E 1-WBL							
75+74	ТО	78+55	ONE LINE	281	94				
78+55	то	106+62	TWO LINES	5614	1871				
106+62	ТО	108+59	ONE LINE	197	66				
	STAG	E 2-EBL							
62+90	ТО	75+25	ONE LINE	1235	412				
75+25	ТО	104+98	TWO LINES	5946	1982				
104+98	ТО	105+65	ONE LINE	67	22				
STAGE 2-WBL									
75+25	ТО	105+76	TWO LINES	6102	2034				
105+76	ТО	111+17	ONE LINE	541	180				
	TO	TALS		27235	9078				

TRANSITIONAL COMBINATION CONCRETE CURB AND						
GUTTER						
	60626500					
LOCATION	FOOT					
STA. 105+42 TO 105+52 LT (ANN ELIZA ST.)	10					
STA. 107+05 TO 107+15 LT (ANN ELIZA ST.)	10					
STA. 105+25 TO 105+35 RT (ANN ELIZA ST.)	10					
STA. 106+81 TO 106+91 RT (ANN ELIZA ST.)	10					
TOTAL	40					

ENGINEER'S FIELD OFFICE, TYPE B					
LOCATION	67000500				
	CAL MO				
JOBSITE	6				
TOTAL	6				

PROTECTIVE SHIELD					
	50157300				
LOCATIONS	SY				
PIER 5	186.7				
PIER 6	186.7				
PIER 9	186.7				
TOTAL	560				

MOBILIZATION						
	67100100					
LOCATION	L SUM					
JOBSITE	1					
TOTAL	1					

COMBINATION CONCRETE CURB AND GUTTER, TY M (SPECIAL)						
	X6061815					
LOCATION	FOOT					
STA. 105+52 TO STA. 107+05 LT (ANN ELIZA ST.)	153					
STA. 105+35 TO STA. 106+81 RT (ANN ELIZA ST.)	146					
TOTAL	299					

PCC BASE COURSE WIDENING 10"						
	35400500					
LOCATIONS	SY					
STA. 105+58 TO 106+36 LT (ANN ELIZA ST.)	6.0					
TOTAL	6					

<b>COMBINATION CURB &amp; GUTTER REMOVAL</b>						
	44000500					
LUCATIONS	FOOT					
STA. 105+42 TO STA. 107+15 LT (ANN ELIZA ST.)	173.0					
STA. 105+25 TO STA. 106+91 RT (ANN ELIZA ST.)	166.0					
TOTAL	339					

TIE BARS 3/4"					
	44213204				
LOCATIONS	EACH				
STA. 105+42 TO STA. 107+15 LT (ANN ELIZA ST.)	59				
STA. 105+25 TO STA. 106+91 RT (ANN ELIZA ST.)	57				
TOTAL	116				

TRAFFIC CONTROL AND PROTECTION, STANDARD 701423					
	70100325				
ECCATION	EACH				
STA 62+90 TO 111+17 (STAGE CONSTRUCTION)	1				
TOTAL	1				

TRAFFIC CONTROL AND PROTECTION, STANDARD 701601						
	70102630					
LOCATION	LSUM					
STA. 104+89 TO STA. 107+15 (EAST APPROACH	1					
IN THE WEST BOUND LANES)	Ţ					
TOTAL	1					

USER NAME = jochumsjg	DESIGNED -	REVISED -	SCHEDULE OF QUANTITIES			F.A.P BTE	SECTION	COUNTY	TOTAL	. SHEET				
	DRAWN -	REVISED -	STATE OF ILLINOIS			CONLECT	2 01 207			693	(12B)BR;BDR,BJR	TAZEWELL	63	10
PLOT SCALE = 40.0000 / in.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION									CONTRAC	Г NO. 6	58E79
PLOT DATE = 12/13/2019	DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO STA.		ILLINOIS FED.	AID PROJECT		

	GU				
					-
	63100089	63100167	63200310	7820005	72501000
LOCATION	TRAFFIC BARRIER TERMINAL, TYPE 6B	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	GUARDRAIL REMOVAL	GUARDRAIL REFLECTORS, TYPE A	TERMINAL MARKER- DIRECT APPLIED
	EACH	EACH	FOOT	EACH	EACH
STA. 78+30 RT (MAINLINE)	1			1	
STA. 105+13 LT (ANN ELIZA ST.)	1			1	
STA. 105+00 RT (ANN ELIZA ST.)	1			1	
STA. 77+43 RT (MAINLINE)		1		1	1
STA. 106+04 RT (ANN ELIZA ST.)		1		1	1
STA. 105+83 LT (ANN ELIZA ST.)		1		1	1
STA. 74+54 TO STA. 78+30 RT (MAINLINE)			376		
STA. 105+00 TO STA. 105+69 RT (ANN ELIZA ST.)			69		
STA. 105+13 TO STA. 105+94 LT (ANN ELIZA ST.)			81		
TOTAL	3	3	526	6	3

PAVEMENT MARKINGS								
LO	CATI	ON	X0327980	78009004				
STA	STA TO STA		PAVEMENT MARKING REMOVAL - WATER BLASTING	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"				
			SF	FOOT				
63+90	TO	109+00						
2	WHI	TE	3007	9020				
2 YELLOW		2 YELLOW 3007		9020				
2 SI	2 SKIP DASH		2 SKIP DASH 752		752	2255		
Т	ΟΤΑ	LS	6765	20295				

TEMPORARY PAVEMENT MARKINGS								
	LOCATION		70300220	X7030005				
STA	то	STA	TEMPORARY PAVEMENT MARKING - 4"	TEMPORARY PAVEMENT MARKING REMOVAL				
			FOOT	SF				
63+90	TO	109+00						
	2 WHITE		9020	3007				
2 YELLOW			9020	3007				
2	2 SKIP DASH 2255		752					
	TOTALS		20295	6765				

	TR/	AFFIC CONTROL ITEMS	5	
	70400100	70400200	70600250	70600350
	TEMPORARY	RELOCATE	IMPACT ATTENUATORS,	IMPACT ATTENUATORS,
LOCATION	CONCRETE	TEMPORARY	TEMPORARY (NON-	<b>RELOCATE (NON-</b>
	BARRIER	CONCRETE BARRIER	REDIRECTIVE) TEST LEVEL 3	REDIRECTIVE) TEST LEVEL
	FOOT	FOOT	EACH	EACH
STAGE 1, EBL - STA. 76+67 TO STA. 104+89		2822		
STAGE 1, WBL - STA. 78+55 TO STA. 106+17		2762		
STAGE 2, EBL - STA. 76+66 TO STA. 104+89	2823			
STAGE 2, WBL - STA. 78+55 TO STA. 106+58	2803			
STA. 76+67 RT			1	
STA. 106+17 LT			1	
STA. 76+67 RT				1
STA. 106+58 LT				1
TOTAL	5626	5584	2	2

GUARDRAIL AGGREGATE EROSION CONTROL						
	Z0001002					
LOCATION	TON					
STA. 77+10 TO STA. 78+30 RT (MAINLINE)	17.9					
STA. 105+13 TO STA. 106+36 LT (ANN ELIZA ST.)	18.3					
STA. 105+00 TO STA. 106+26 RT (ANN ELIZA ST.)	18.8					
TOTAL	55					

USER NAME = jochumsjg	DESIGNED -	REVISED -		SCHEDULE OF QUANTITIES				F.A.P RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET		
	DRAWN -	REVISED -	STATE OF ILLINOIS						693	(12B)BR;BDR,BJR	TAZEWELL	63	11	
PLOT SCALE = 40.0000 / in.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION									CONTRACT	NO 6	8E79
PLOT DATE = 12/13/2019	DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO STA.		ILLINOIS FED. AI	D PROJECT		











**DEPARTMENT OF TRANSPORTATION** SCALE:

PLOT DATE = 12/13/2019

DATE

REVISED

SHEET OF SHEETS STA.

TO STA.









: 2		693	93 (12B)BR,BDR,BJR			TAZEWELL	63	20
•	L					CONTRACT	NO. 6	3E79
5	STA. TO STA.			ILLINOIS	FED. A	ID PROJECT		



PLOT DATE = 12/13/2019

DATE

REVISED

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MINAL TIPE 68					
ETAILS	F.A.P RTE	SECTION	COUNTY	TOTAL SHEE SHEETS NO	ЭТ
ROPOSED	693	(12B)BR,BDR,BJR	TAZEVVELL	03 21	_

 EXISTING
 & PROPOSED
 693
 (126)DR,BJR,BJR
 142EWELL
 63
 21

 OF
 SHEETS
 STA.
 TO STA.
 ILLINOIS
 FED. AID PROJECT

SCALE:

SHEET





ID ELEVATION	F.A.P. RTE.	SECTION		COUNTY	TOTAL SHEETS	SHEET NO.	
IOIS RIVER 114	693	(12B)BR,BDR,BJR			PEORIA	63	23
					CONTRACT NO. 68E79		
23 SHEETS			ILLINOIS	FED. A	D PROJECT		



### TYPICAL SECTION THRU APPROACH SPANS 1-5 & 9

(Looking East)



### TYPICAL SECTION THRU MAIN RIVER SPANS 6, 7, 8

(Looking East)



(Looking East)



# TYPICAL SECTION THRU MAIN RIVER SPANS 6, 7, 8

(Looking East)

DESIGNED - AJR	EXAMINED	I mote A A a lat	DATE - JANUARY 31, 2020		STAGE CONSTRUCTION DETAILS	F.A.P. RTE	SECTION	COUNTY	TOTAL	SHEET
CHECKED - JSB		ENGINEER OF STRUCTURAL SERVICES		STATE OF ILLINOIS		693	(12B)BR,BDR,BJR	PEORIA	63	24
DRAWN - daburdell	PASSED	& Carl Prayer	REVISED -	DEPARTMENT OF TRANSPORTATION	511 050-0114			CONTRA	CT NO. 68	Ē79
CHECKED - AJR JSB		ENGINEER OF BRIDGES AND STRUCTURES	REVISED -		SHEET NO. 2 OF 23 SHEETS		ILLINOIS FED. A	D PROJECT		

 7"
ليستخ
]
T

I OTAL BILL OF MATERIAL	TOTAL BILL OF MATERIA
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	ITEM	UNIT	QUANTITY
	Concrete Removal	Cu. Yd.	113.6
	Concrete Structures	Cu. Yd.	25.5
	Concrete Superstructure	Cu.Yd.	118.2
	Reinforcement Bars, Epoxy Coated	Pound	21330
*	Protective Coat	Sq. Yd.	235
	Bar Splicers	Each	124
	Mechanical Splicers	Each	388
	Anchor Bolts 11/4"	Each	20
	Anchor Bolts 11/2"	Each	80
	Dowel Bars, 5/8"	Each	8
	Modular Expansion Joint 6"	Foot	90
	Modular Expansion Joint 9"	Foot	93
	Modular Expansion Joint 18"	Foot	84
	Preformed Joint Strip Seal	Foot	164
	Structural Repair of Concrete (Depth $\leq$ 5")	Sq. Ft.	262
***	Deck Slab Repair (Partial)	Sq. Yd.	140
	Jack and Remove Existing Bearings	Each	16
	High Load Multi-Rotational Bearings,	Each	4
	Guidea Expansion, 650k		
	High Load Multi-Rotational Bearings, Guided Expansion, 700k	Each	4
	High Load Multi-Rotational Bearings		
	Guided Expansion, 1700k	Each	4
	High Load Multi-Rotational Bearings,	Each	Λ
	Guided Expansion, 1900k	Laui	4
	Structural Steel Removal	Pound	110
**	Structural Steel Repair	Pound	50
	Structural Repair of Concrete (Depth > 5")	Sq. Ft.	524
*	On now concrete adjacent to joints and now	light ct	andard onl

\* On new concrete adjacent to joints and new light standard only \*\* Installation of missing bolts.

\*\*\* Quantity includes deck repair on spans 1 thru 5 and 9.



SHEET NO. 3 OF 23

REVISED

CHECKED - AJR JSB

EST ABUTMENT		SECT	SECTION			TOTAL SHEETS	SHEET NO.
114	693	(12B)BR,BDR,BJR			PEORIA	63	25
TT4					CONTRACT	NO. 68E	79
3 SHEETS			ILLINOIS	FED, A	D PROJECT		



				-	-		
WEST ABUTMENT		SECTION		COUNTY	TOTAL SHEETS	SHEET NO.	
		(12B)BR,BDR,BJR			PEORIA	63	26
					CONTRACT	NO 68E	79
3 SHEETS			ILLINOIS	FED. AL	2 PROJECT		









PIER 5		SECTION		COUNTY	TOTAL SHEETS	SHEET NO.	
114	693	(12B)BR,BDR,BJR			PEORIA	63	27
±±7					CONTRACT	NO 68E	79
3 SHEETS			ILLINOIS	FED. A	D PROJECT		



DILL					
Bar	No.	Size	Length	Shape	
a1(E)	32	#6	22'-8"		
a2(E)	64	#6	4'-0''		
a3(E)	72	#6	6'-8''		
a4(E)	24	#6	5'-4''		
a6(E)	24	#6	1'-9''		
a7(E)	24	#6	4'-7''		
a8(E)	32	#6	17'-8"		
a10(E)	12	#6	7'-2"		
a11(E)	12	#6	7'-4"		
d(E)	48	#5	3'-11''		
d1(E)	48	#5	5'-0''	L	
d3(E)	176	176 #5			
d4(E)	88	#5	5'-5"	Г	
s1(E)	320	#5	3'-5''		
Concrete	Removal		Cu.Yd.	49.9	
Concrete	Supersti	ructure	Cu.Yd.	50.2	
Bar Splic	ers		Each	32	
Protectiv	e Coat		Sq.Yd.	83	
Modular Joint, 18'	Expansio '	Pound	6500		
Reinforce Enoxy Co	ement Ba bated	rs,	Foot	84	

NT - PIER 5		SECTION			COUNTY	TOTAL SHEETS	SHEET NO.
11/	693	(12B)BR,BDR,BJR			PEORIA	63	28
TT4					CONTRACT	NO 68E	279
3 SHEETS			ILLINOIS	FED, A	D PROJECT		



AST ABUTMENT		SEC	SECTION		COUNTY	TOTAL SHEETS	SHEET NO.
11/	693	(12B)BR,BDR,BJR		PEORIA	63	29	
±±+					CONTRACT NO. 68E79		
3 SHEETS			ILLINOIS	FED. A	D PROJECT		



Bar	No.	Size	Length	Shape	
a2(E)	16	#6	4'-0''		
a3(E)	36 #6		6'-8''		
a4(E)	24	#6	5'-4''		
a14(E)	76	#6	22'-10''		
a15(E)	12	#6	2'-6''		
a16(E)	12	#6	4'-0''		
a17(E)	12	#6	4'-9''		
b(E)	100	#5	3'-11''		
b1(E)	94	#5	3'-4''		
d(E)	20	3'-11''			
d1(E)	20	#5	5'-0''	L	
d2(E)	50	#5	3'-3''	Г	
d3(E)	100	#5	3'-9''	<b>_</b>	
s(E)	200	#5	3'-8''		
Concrete	Removal		Cu.Yd.	28.2	
Concrete	Supersti	ructure	Cu.Yd.	28.3	
Bar Splic	ers		Each	38	
Mechanica	al Splice.	rs	Each	194	
Protectiv	e Coat	Sq.Yd.	52		
Modular . Joint 9"	Expansio	Foot	93		
Reinforce	ment Ba				
Enoxy Co	ated	, 3,	Pound	5700	

EAST ABUTMENT	F A P RTE	SECTION		COUNTY	TOTAL SHEETS	SHEET NO	
114	693	(12B)BR,BDR,BJR			PEORIA	63	30
±±7	1				CONTRACT	NO 68E	-79
3 SHEETS	ILLINOIS			FED. AIL	D PROJECT		



SHEET NO. 9 OF 23

PIERS 6 & 9	F A P RTE	A.P. SECTION		COUNTY	TOTAL SHEETS	SHEET NO.	
114	693	(12B)BR,BDR,BJR		PEORIA	63	31	
117					CONTRACT	NO. 68E	279
3 SHEETS			ILLINOIS	FED. AIL	D PROJECT		



Notes:

Remove approach span deck concrete to a depth that permits complete removal of existing joint angle with studs. If strip seal studs interfere with orthotropic deck studs remove and replace deck studs between strip seal studs.



BILL OF MATERIAL - PIERS 6 & 9

Bar	No.	Size	Length	Shape
a1(E)	8	#6	22'-8''	
a2(E)	16	#6	4'-0''	
a20(E)	8	#6	18'-5"	
a18(E)	8	#6	17'-1"	
a19(E)	8	#6	21'-1"	
d(E)	16	#5	3'-11''	
d1(E)	16	#5	5'-0''	L
d5(E)	16	16 #5		7
d6(E)	16	#5	3'-9''	L
Concrete	Removal		Cu.Yd.	6.8
Concrete	Supersti	ructure	Cu.Yd.	6.4
Bar Splic	ers		Each	16
Protectiv	e Coat	Sq. Yd.	18	
Reinforce	ement Ba	Pound	1320	
Ероху Сс	ated	r ounu	1320	
Dowel Ba	nrs ¾"	Each	8	

- PIERS 6 & 9		SEC	SECTION		COUNTY	TOTAL SHEETS	SHEET NO.
		(12B)BR,BDR,BJR		PEORIA	63	32	
TT4				CONTRACT NO. 68E79			
3 SHEETS			ILLINOIS	FED. A	D PROJECT		



Notes:

The strip seal shall be made continuous and shall have a minimum thickness of  $\frac{1}{4}$ ". The configuration of the strip seal shall match the configuration of the locking edge rails. Open or "webbed" strip seal gland configurations are not permitted. The gland shall be sized for a maximum rated movement of 4 inches.

The locking edge rails depicted are configured for typical applications and are conceptual only. The actual configuration of the locking edge rails and matching strip seal may vary from manufacturer to manufacturer provided they fit the application and meet the minimum anchorage shown. Flanged edge rails, however, will not be allowed. Locking edge rails may exceed the  $4 \ensuremath{\mathcal{V}}\xspace^{\prime\prime}$  maximum depth provided the anchorage system is revised according to the manufacturer's recommendation.

The manufacturer's recommended installation methods shall be followed.

All steel components shall be galvanized after fabrication according to Article 520.03 of the Standard Specifications.

The Maximum space between locking edge rail segments shall be  $\frac{3}{6}$ " and sealed with a suitable sealant; however, any rail joint within 10' measured perpendicular to the face of the curb or parapet shall be welded as shown in the locking edge rail splice detail.

Cost of parapet sliding plates, embedded plates, and anchorage studs included with Preformed Joint Strip Seal.

34" F-shape barrier shown, 42" F-shape similar as noted. The concrete opening below the strip seal will vary based on the locking edge rail chosen by the Contractor. Deck and parapet lengths shown elsewhere in the plans are dimensioned to the concrete opening, not the joint opening, and are based on the rolled locking edge rail. If the Contractor elects to use a different locking edge rail, dimensional adjustments may be required. One exception to this would be the strip seal joint at the end of the precast bridge approach slab. For these cases the pavement connector length shall be adjusted, not the length of the bridge approach slab.



WELDED RAIL



## LOCKING EDGE RAIL SPLICE

The inside of the locking edge rail groove shall be free of weld residue. Rolled rail shown, welded rail similar.

### BILL OF MATERIAL

Item	Unit	Total
Preformed Joint Strip Seal	Foot	164

						-	
SEAL - PIERS 6 & 9		SEC.	SECTION		COUNTY	TOTAL SHEETS	SHEET NO.
		(12B)BR,BDR,BJR			PEORIA	63	33
±±Ŧ			CONTRACT	CONTRACT NO. 68E79			
3 SHEETS			ILLINOIS	FED. AIL	FED. AID PROJECT		







			DES	IGN D,	<u>AT A</u>			
Г			Data	э			Pier	2
	Servi	ce Ve	rtical Desig	gn Load (	(kips)		185	8
	Horiz	ontal	Design Loa	ad (kips),	Hu		372	?
C Data	Design Rotation (rad), Өи ***						0.002	25
-ų вrg.	Total	Requ	ired Movem	ent (in.)			2.50	)
	Slope	for l	Bevel of To	op Brg. P	(%)		+4.6	9
	BILL OF MATERIAL							
	Item				Unit	7	otal	
	High	Load	l Multi–Rota	ational				
	Bear	ings,	Guided Ex	pansion,	Each		4	
	1900	)k						
	Anch	nor Bo	olts, 1½"		Each		32	
DETAILS		F A P RTE	SECT	ION	COUNT	ſΥ	TOTAL SHEETS	SHEET NO.
14			693 (12B)BR,BDR,BJR			PEORIA 63		36
		CONTRACT NO. 68E79						
SHEETS				ILLINOIS FED.	AID PROJECT			



DESIGNED - AJR CHECKED - JSB	EXAMINED	ENGINEER OFSTELLCTURAL SERVICES	DATE -	JANUARY 31, 2020	STATE OF ILLINOIS	PIER 4 BEARING
DRAWN - Venkat Reddy	PASSED	A. Carl Know	REVISED	-	DEPARTMENT OF TRANSPORTATION	SN 090-01
CHECKED - AJR JSB		ENGINEER OF BRIDGES AND STRUCTURES	REVISED	-		SHEET NO. 15 OF 23 S





DESIGNED - AJR	EXAMINED	inot A. Allet	DATE - JANUARY 31, 2020		EAST ABUTMENT BEA
DRAWN - Venkat Reddy	PASSED	ENGINEER OF STRUCTURAL SERVICES	REVISED -	DEPARTMENT OF TRANSPORTATION	SN 090-0:
CHECKED - AJR JSB		ENGINEER OF BRIDGES AND STRUCTURES	REVISED -		SHEET NO. 16 OF 23



	DILL	01 1	TAILNI	AL
Bar	No.	Size	Length	Shape
s2(E)	48	#5	6'-2"	]
s3(E)	48	#5	12'-6"	
54(E)	48	#5	5'-1"	]
s5(E)	48	#5	11'-3"	
v(E)	22	#5	2'-11"	
v1(E)	20	#5	2'-2"	
Reinfo	rcemen	t Bars,	Dound	1960
Epoxy	Coated		Pouna	1600
Structural Steel			Pound	110
Remov	al		Found	110
Concre	te Stru	ctures	Cu. Yd.	25.2

TAL DETAILS		SECTION		COUNTY	TOTAL SHEETS	SHEET NO.
111		(12B)BR,BDR,BJR		PEORIA	63	39
/114	CONTRACT NO. 68E75					79
3 SHEETS		ILLINC	IS FED. A	D PROJECT		









ANCHOR ROD

1¼" Diameter (ASTM F 1554 Grade 105) Full length hot dipped galvanized. Paid for as Anchor Bolts, 11/4".

DESIGNED - AJR	EXAMINED	Timot A. And At	DATE - JANUARY 31, 2020		LIGHT STANDARD REPAIR DETAILS	F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CHECKED - JSB	_	ENGINEER OF STRUCTURAL SERVICES		STATE OF ILLINUIS	SN 090-0114	693	(12B)BR,BDR,BJR	PEORIA	63	40
DRAWN - daburdell	PASSED	& Carl Pringey	REVISED -	DEPARTMENT OF TRANSPORTATION	311 090-0114			CONTRAC	T NO. 68F	<u>-</u> 79
CHECKED - AJR JSB		ENGINEER OF BRIDGES AND STRUCTURES	REVISED -		SHEET NO. 18 OF 23 SHEETS		ILLINOIS FED.	AID PROJECT		



BILL OF MATERIAL

Bar	No.	Size	Length	Shape
d(E)	9	#5	3'-11''	
d1(E)	9	#5	5'-0''	L
d6(E)	6	#6	9'-3''	Ъ
d7(E)	3	#6	5'-4''	L
Concrete	Removal		Cu. Yd.	1.7
Concrete	Supersti	ructure	Cu.Yd.	1.7
Protectiv	e Coat		Sq. Yd.	4.3
Reinforcement Bars,			Dound	100
Ероху Сс	ated	Pouna	190	
Anchor B	olts, 1¼"		Each	4



STANDARD BAR SPLICER ASSEMBLY

Threaded splicer bar length = min. lap length +  $1\frac{1}{2}$ " + thread length

\* Epoxy not required on Bar Splicer Assembly components used in conjunction with black bars.

Location	Bar size	No. assemblies required	Minimum Iap length
W. Abut. Deck	#6	32	3'-7''
W. Abut. Appr.	#6	6	4'-0''
E. Abut. Deck	#6	32	3'-7''
E. Abut. Appr.	#6	6	4'-0''
Pier 5	#6	32	3'-7''
Pier 6	#6	8	3'-7''
Pier 9	#6	8	3'-7''



### INSTALLATION AND SETTING METHODS

"A" : Set bar splicer assembly by means of a template bolt.

"B" : Set bar splicer assembly by nailing to wood forms or cementing to steel forms. (E) : Indicates epoxy coating.



BS	D-1	

2-17-2017

<b>DDDT Z T</b>	2017								
DESIGNED - AJR	EXAMINED	Imot A Allat	DATE - JANUARY 31, 2020		BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS	F.A.P. SECTION	COUNTY	TOTAL	SHEET
CHECKED - JSB		ENGINEER OF STRUCTURAL SERVICES		STATE OF ILLINOIS	SN 090-011/	693 (12B)BR,BDR	BJR PEOR <b>I</b> A	63	41
DRAWN - daburdell	PASSED	& Carl Prayer	REVISED -	DEPARTMENT OF TRANSPORTATION	311 090-0114		CONTRA	CT NO. 68	8E79
CHECKED - AJR JSB		ENGINEER OF BRIDGES AND STRUCTURES	REVISED -		SHEET NO. 19 OF 23 SHEETS	ILLI	OIS FED. AID PROJECT		



# STANDARD MECHANICAL SPLICER

Location	Bar	No. assemblies
Location	size	required
W. Abut.	#5	194
E. Abut.	#5	194

# NOTES

Splicer bars shall be deformed with threaded ends and have a minimum 60 ksi yield strength.

All reinforcement shall be lapped and tied to the splicer bars. Bar splicer assemblies shall be epoxy coated according to the requirements for reinforcement bars. See Section 508 of the Standard Specifications. See approved list of bar splicer assemblies and mechanical splicers for alternatives.



-

Item	Unit	Total
Deck Slab Repair (Partial)	Sq. Yd.	140

TAILS		SEC	SECTION		COUNTY	TOTAL SHEETS	SHEET NO.
114	693	(12B)BR,BDR,BJR			PEORIA	63	42
114	_			CONTRACT	NO. 68E	79	
23 SHEETS			ILLINOIS	FED. AIL	2 PROJECT		



WEST ABUTMENT (Looking West)



EAST ABUTMENT (Looking East)



DESIGNED - AJR	EXAMINED	Timot A. All 41	DATE - JANUARY 31, 2020		REPAIR DETAILS	F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET
CHECKED - JSB		ENGINEER OF STRUCTURAL SERVICES		STATE OF ILLINUIS DEPARTMENT OF TRANSPORTATION	SN 090-0114	693	(12B)BR,BDR,BJR	PEORIA	63	43
CHECKED - AJR JSB	PASSED	ENGINEER OF BRIDGES AND STRUCTURES	REVISED -	DEPARTMENT OF TRANSPORTATION	SHEET NO. 21 OF 23 SHEETS		ILLINOIS FED.	AID PROJECT	T NO. 68	E79





# BILL OF MATERIAL

Item	Unit	Total
* Structural Repair of Concrete (Depth > 5")	Sq. Ft.	524

\* Quantity includes an additional estimated 262 Sq. Ft.



Item	Unit	Total
* Structural Repair of Concrete (Depth ≤ 5")	Sq. Ft.	262

TAILS	F.A.P. RTE	SEC	TION		COUNTY	TOTAL SHEETS	SHEET NO.
114	693	(12B)BR,I	BDR,BJR		PEORIA	63	44
					CONTRACT	NO. 68E	79
23 SHEETS			ILLINOIS	FED. A	D PROJECT		



|--|



		Opan 3 217'-4%		E Pier 4			F Rimenaia	e (W.D.)
	Match 1: # Stringer Splic	- Opaces at 24-18"=198-3	. 24-1	4_ 11	9	train f		E Pier 5
- II H	Dearing (Typical)	Laterala	1		8 Spaces a	+24-18" - 193-13"		
		W. Abut. to Plet	37	EBearing	Adjust D	hain Locations as necessary	E Dearing	E Bearin
. 11					Wilsx45 Stringer	unlesse	144-	1/1/2"
IL		C LE Girder GS		1 1º	1 1001		W/8×557	- WIB
WIB			1X X	1-10-			°	
WIBX	10 WI8×70	WIBX70 WIBX70		Var av	Work Line (W.	B.) 3 / E West B	ound	i -tr
		WIBXTO WIBXTO	WIBKGO	AT -WIB				121.
		L& Girder GT	WIBXGO		WIBIGO WIBIGO	tructure WIBXGO	WIBROO	R.
				9-2%		WIBXGO	WIBAGO	
EDear		Eginde GB			Work Line (E.B.)	FE East Dound		1 A
						10 100		1933
14	- BSpaces a	+ 24-66= 196-14		# Degring	-la IL	10-1-10	-	
	12	0-7%	24-09-		63000 1 411 ·	T.R. 317 (Existing) Below	EBearing	E Dearing
1.5	abt f		- Charles -		220-040	s • 196-1"	13-1/10-	21-29/0- 2:
- Exce	t an noted				FRAMIN	IG PLAN	Dimension	Along Work
E Dear	ing 216 54 Along E Git	der G5		Bearing	215-270 Along & C	Girder 95	E Bearing	# Bearing
	219L8' " " " 221'-33' ", " "	- EI -	ACM. Top Fla	as Pr. & longituding	218'-24"	: 27	Bh	Fra!
FCM. Tongii	dinol web stiff. Field Splice	(Typel) F.S. (	Typel) web stit	teners	F.3. (Type 1)		F.3. (Type 2)	
j-	58'0" . Ang	stails refer to GG	-2" for G1 4 G8	Solf for GT GE	- Intern	nediate Stiffenern (Type) notherwine nhown	5) <u>52-5</u> 1765	
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ROUTE NO. SECTION COUNTY TOTAL SHEET SHEETS NO. F.A.P. 75 12(F4E) PEORIA-TAZEWELL 30 0 FED. ROAD DIV. NO. ILLINOIS PROJECT Match Line Span 5 -X 218-4-9/0 4 Spaces of 24-16" . 96-14" 3 3poces of 24-4" - 73-0" 21-1" -540"-E Pler G Lateral Brocing Pier 5 to Pier G WI8×45 Stringe 10 W18×50-+ E Girde G9 15 2 Girder 11-51-5-84 -11-32 - 5LE4" LE Girder Gli 4.4 1/ E Girder GIL Deck Drain Location an shown (Midway between Floor Deams) 5 Spaces of 24-4" 121-8" 21-1 ces of 24-G =49:04" 219-7/10" Line (E.D.) Enot consistent a/plan dimensions E Pier G 214.52 Along & Girder G9 215.55 Glo 216.25 Glo 216.25 Glo 216.20 Glo EPin 240-F.3. (Type 3) F.3. (Type 5) - Intermediate Stiffeners (Type 3) Unlean otherwise shows 39-54 91-7 9-7 444 +Eq. Apra. 4 Eq. 190. 4 Eq. 4 552.4 6 11X 1 # 4'x 39' - R.4 2.5'x 36' 20620 5810' 3 Web H. F.C.M. 51-0" J. F.C.M.(4" Web R.) de P.J F.C.M. Dottom Flange 184. GIRDER ELEVATION Kefer to Sheath (GIRDER4 GA, GID, GII&GIZ) Details STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION. FRAMING PLAN AND GIRDER ELEVATIONS 3ta. 88+ 21.52 PROJECT: ILL. 9 over ILLINOIS RIVER F.A.P. 75 SECTION 12(FE) PEORIA-TAZEWELL COUNTIES STA. 96150 2.7' THE ENGINEERS COLLABORATIVE SHEET SPANS 3,4 and 5 ILLINOIS 7 OF 37 CHICAGO Now by Braff Teles. DL BIT" p-1-7 TOTAL SHEE SHEETS NO. - A P RTE SECTION COUNTY R INFORMATION ONLY (12B)BR,BDR,BJR PEORIA 63 45B 693 114 CONTRACT NO. 68E79 SHEETS ILLINOIS FED. AID PROJECT

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	SCHEDULE OF QUANTITIES FOR ELECTRICAL WORK - PEKIN BR	RIDGE						
	ITEM DESCRIPTION	UNIT	TOTAL QTY.	L ′.				
	UNDERGROUND CONDUIT, PVC, 3/4" DIA.	FOOT	600.0	0				
	UNDERGROUND CONDUIT, PVC, 1 1/2" DIA.	FOOT	130.0	0				
	CONDUIT ATTACHED TO STRUCTURE, 2" DIA., STAINLESS STEEL	FOOT	300.0	0				
	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 12" X 12" X 6"	EACH	2.0					
	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 12" X 12" X 8"	EACH	2.0					
	LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H	EACH	1.0					
	LIGHTING CONTROLLER, PEDESTAL MOUNTED, 240VOLT, 60AMP	EACH	1.0					
	LIGHT POLE, GALVANIZED STEEL, 50 FT. M.H., 6 FT. MAST ARM	EACH	1.0					
	DRILL EXISTING HANDHOLE	EACH	1.0					
	CIRCUIT BREAKER, 1-POLE, 20 AMP, 120V IN EXISTING TSC CABINET	EACH	1.0					
	REPLACEMENT OF SENSORS FOR ROADWAY WEATHER INFORMATION SYSTEM	L SUM	1.0					
	ROADWAY LIGHTING MODIFICATIONS	L SUM	1.0					
	UPGRADE RPU EQUIPMENT AND COMMUNICATIONS AT RWIS SITE	EACH	1.0					
	CLOSED CIRCUIT TELEVISION CAMERA EQUIPMENT	EACH	1.0					
	MISCELLANEOUS ELECTRICAL WORK	L SUM	1.0					
	CAT. 6 ETHERNET CABLE	FOOT	1268.0	.0				
	CLOSED CIRCUIT TELEVISION DOME CAMERA, HD	EACH	5.0					
	CONDUIT ATTACHED TO STRUCTURE, 3/4" DIA., STAINLESS STEEL	FOOT	35.0	)				
	CONDUIT ATTACHED TO STRUCTURE, 1 1/2" DIA., STAINLESS STEEL	FOOT	125.0	0				
	JUNCTION BOX (SPECIAL)	EACH	2.0					
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0:\common\GEN\Transfer - bureaus\68E79	- Final Plans\68E79 - Pekin Bridge Lighting,	WDRAWN ITS (Revised 2-10-20).dgn	REVISED -	STATE OF ILLINOIS	JUILDOLL	
	PLOT SCALE = 38.0588 '/ in.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION	1	AND CONSTRUCT
	PLOT DATE = 2/10/2020	DATE -	REVISED -		SCALE:	



1	ING C	ONTROLLER UPGRADES	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
h			603		TAZEWELL	63	47
		, on 11	635	(IZD)DR,DUR,DJR	CONTRACT	NO. 6	8E79
	STA.	TO STA.		ILLINOI	S FED. AID PROJECT		



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\\Central\d4\common\GEN\Transfer - bure	aus\68E79 - Final Plans\68E79 - Pekin Bridge	DRyAWNg, RWIS, and ITS (Final 12-10-19).dgr	REVISED -	STATE OF ILLINOIS					TAZEWELL	63	48
	PLOT SCALE = 38.0588 '/ in.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION	PEKIN BRIDGE – PEU	RIA COUNTY	693	(12B)BR,BDR,BJR	CONTRAC	T NO. 68	E 79
	PLOT DATE = 12/12/2019	DATE -	REVISED -		SCALE:	STA. TO STA.		ILLINOI	S FED. AID PROJECT		

ITEM DESCRIPTION	UNIT	TOTAL QTY.
	FOOT	491.0
SION CAMERA EQUIPMENT	EACH	1.0
, PVC, 3/4" DIA.	FOOT	475.0
SION DOME CAMERA, HD	EACH	1.0
	EACH	1.0



BILL OF MATERIALS - PEKIN BRIDGE ELECTRICAL PLAN SHEET 4								
ITEM DESCRIPTION	UNIT	TOTAL QTY.						
CAT. 6 ETHERNET CABLE	FOOT	45.0						
CLOSED CIRCUIT TELEVISION DOME CAMERA, HD	EACH	2.0						
CONDUIT ATTACHED TO STRUCTURE, 3/4" DIA. STAINLESS STEEL	FOOT	35.0						

FILE NAME =	USER NAME = howalder	DESIGNED -	REVISED -		PROPOSED CCTV CAMERA UPGRADES			SECTION	COUNTY	TOTAL SH SHEETS ♪	EET
\\Central\d4\common\GEN\Transfer - bur	aus\68E79 - Final Plans\68E79 - Pekin Bridg	DRyAWINg, RWIS, and ITS (Final 12-10-19).dgr	REVISED -	STATE OF ILLINOIS	PEKIN BRIDGE – TAZEWELL COUNTY           SCALE:         STA.         TO STA.		607		TAZEWELL	63 4	19
	PLOT SCALE = 38.0588 '/ in.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION			693 (IZB)BR,BUF	(IZD/DR,DUR,DJR	CONTRACT NO. 68E		79
	PLOT DATE = 12/12/2019	DATE -	REVISED -					ILL INO	IS FED. AID PROJECT		

### NOT TO SCALE Electrical sheet 4 of 10

# **REPLACE LIGHT POLE ANCHOR BOLTS** (SEE STRUCTURE PLANS FOR DETAILS)



1.0 EACH

BILL OF MATERIALS - PEKIN BRIDGE ELECTRICAL PLAN SHEE	ET 5	
ITEM DESCRIPTION	UNIT	TOTAL QTY.
LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H	EACH	1.0
LIGHTING CONTROLLER, PEDESTAL MOUNTED, 240VOLT, 60AMP	EACH	1.0
LIGHT POLE, GALVANIZED STEEL, 50 FT. M.H., 6 FT. MAST ARM	EACH	1.0
ROADWAY LIGHTING MODIFICATIONS	L SUM	1.0

THE CONTRACTOR SHALL FURNISH AND INSTALL LIGHT POLE PROTECTION SLEEVES ON ALL EXISTING AND PROPOSED LIGHT POLES TO PROVIDE PROTECTION FROM SNOW PLOW BLADE IMPACTS. THIS COST OF THIS WORK SHALL BE INCLUDED IN THE COST OF "ROADWAY LIGHTING MODIFICATIONS". REFER TO **ELECTRICAL SHEET 10 FOR DETAILS.** 

FILE NAME =	USER NAME = howalder	DESIGNED -	REVISED -		PR	PROSED OVERHEAD LIGHTING IMPROVEMENTS	F.A.P. RTF.	SECTION	COUNTY	TOTAL SHEET	
D:\common\GEN\Transfer - bureaus\68E79	- Final Plans\68E79 - Pekin Bridge Lighting,P	W <b>DRAWN</b> ITS (Revised 2-10-20).dgn	REVISED -	DEPARTMENT OF TRANSPORTATION	PEKIN BRIDGE		TATE OF ILLINOIS			TAZEWELL	63 50
	PLOT SCALE = 38.0588 ' / in.	CHECKED -	REVISED -				693	(12B)BR,BDR,BJR	CONTRA	CT NO. 68E79	
	PLOT DATE = 2/10/2020	DATE -	REVISED -		SCALE:	STA. TO STA.		ILLING	IS FED. AID PROJECT		



### NOT TO SCALE ELECTRICAL SHEET 5 OF 10

# **EXISTING CONDUITS ATTACHED TO EAST ABUTMENT (TAZEWELL COUNTY)**



THE CONTRACTOR SHALL FURNISH AND INSTALL TEMPORARY CONDUIT, SEAL TITE, JUNCTION BOXES, WIRING, AND ALL OTHER ITEMS REQUIRED TO TEMPORARILY RELOCATE THE WIRING FOR THE IDOT BRIDGE LIGHTING AND RWIS FACILITIES PRIOR TO BRIDGE BEARING REPLACEMENT. THE CONTRACTOR SHALL INSTALL SCHEDULE 80 PVC CONDUIT AND ASSOCIATED WIRING ALONG THE BACK OF THE ABUTMENT CAP TO FACILITATE THE INSTALLATION OF THE PROPOSED CONCRETE PEDESTALS (BRIDGE SEATS) AND POT BEARINGS. THE CONTRACTOR SHALL INSTALL TEMPORARY ELECRICAL CABLING AS REQUIRED TO MAINTAIN OVERHEAD LIGHTING AND RWIS OPERATION. ALL TEMPORARY SPLICES SHALL BE ENCLOSED IN WEATHERPROOF PVC JUNCTION BOXES AND ALL WORK SHALL CONFORM TO NEC REQUIREMENTS. PRIOR TO COMMENCING WORK. THE CONTRACTOR SHALL INVENTORY THE CONDUITS AND CONDUCTORS TO DETERMINE THE OPTIMUM METHOD TO INSTALL TEMPORARY FACILITIES . THE CONTRACTOR SHALL FURNISH SLACK CABLE AS NEEDED TO ACCOMODATE THE PROPOSED BEARING REPLACEMENT WORK. THE TEMPORARY FACILITIES WILL REMAIN IN USE UNTIL THE BEARING REPLACEMENT HAS BEEN COMPLETED FOR THE ENTIRE ABUTMENT. THE CONTRACTOR SHALL OBTAIN LOCATION VERIFICATION FROM THE RESIDENT ENGINEER PRIOR TO COMMENCING WORK TO ENSURE THAT THE TEMPORARY CONDUIT, JUNCTION BOXES, AND WIRING WILL NOT INTERFERE WITH THE PROPOSED BRIDGE CONSTRUCTION. THE COST OF THIS WORK SHALL BE INCLUDED IN THE PAY ITEM FOR "MISCELLANEOUS ELECTRICAL WORK". IN THE EVENT THAT THE EXISTING UTILITY CONDUITS AND JUNCTION BOXES (CONTAINS FIBER OPTIC CABLES) ARE IN CONFLICT WITH THE PROPOSED BRIDGE BEARING REPLACEMENT, THE CONTRACTOR SHALL PROVIDE PROTECTION FOR THE THESE FACILITIES AND TEMPORARILY REPOSITION OR RELOCATE THEM AS DIRECTED BY THE RESIDENT ENGINEER TO ACCOMMODATE THE PROPOSED BRIDGE CONSTRUCTION. THIS WORK WILL BE CONSIDERED EXTRA WORK IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS (PAYMENT FOR EXTRA WORK). UPON COMPLETION OF THE BEARING REPLACEMENT WORK ALONG THE ENTIRE ABUTMENT, THE CONTRACTOR SHALL INSTALL THE PERMANENT CONDUITS AND JUNCTION BOXES ALONG THE BACK WALL AND SIDES OF THE ABUTMENT AS REQUIRED TO RESTORE OPERATION OF THE IDOT OVERHEAD LIGHTING AND RWIS FACILITIES. THE CONTRACTOR SHALL WORK WITH THE DEPARTMENT TO DETERMINE THE OPTIMUM CONDUIT LAYOUT FOR THE PERMANENT FACILITIES AND INSTALL THE PROPOSED ITEMS IN THE LOCATIONS AS DIRECTED BY THE RESIDENT ENGINEER. THE COST OF THIS WORK WILL BE PAID FOR SEPARATELY UNDER THE ASSOCIATED PAY ITEMS FOR THE STAINLESS STEEL CONDUIT AND JUNCTION BOXES. THE CONTRACTOR SHALL FURNISH AND INSTALL NON-METALLIC SEAL TIGHT, EXPANSION AND DEFLECTION COUPLINGS, BRACKETS, HARDWARE, AND ALL OTHER ITEMS REQUIRED FOR THE INSTALLATION OF THE PROPOSED STAINLESS STEEL CONDUIT AND JUNCTION BOXES. THE COST OF THESE ITEMS SHALL BE INCLUDED IN THE COST OF THE PROPOSED STAINLESS STEEL CONDUIT AND JUNCTION BOXES. UPON INSTALLATION OF THE PERMANENT CONDUIT AND JUNCTION BOXES, THE CONTRACTOR SHALL INSTALL NEW ELECTRIC CABLES AND SPLICE THE PROPOSED CABLES INTO THE EXISTING CIRCUITS AS REQUIRED TO RESTORE FUNCTIONALITY. ALL SPLICES SHALL BE WEATHERPROOF AND MADE INSIDE THE PROPOSED STAINLESS STEEL JUNCTION BOXES. ALL METALLIC CONPONENTS SHALL BE GROUNDED AND ALL WORK SHALL BE IN ACCORDANCE WITH NEC REQUIREMENTS. ELECTRIC CABLING WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS (PAYMENT FOR EXTRA WORK).

REFER TO STRUCTURE PLAN SHEETS FOR ADDITIONAL INFORMATION IN REGARDS TO THE PROPOSED BRIDGE BEARING REPLACEMENT ON THE EAST ABUTMENT.

BILL OF MATERIALS

ITEM D

CONDUIT ATTACHED TO STRUCTURE JUNCTION BOX, STAINLESS STEEL, A MISCELLANEOUS ELECTRICAL WORK

FILE NAME =	USER NAME = howalder	DESIGNED -	REVISED -		PROPO	SED CONDUIT ATTACHED	TO FAST		F.A.P.	SECTION	COUNTY	TOTAL SHEET		
0:\common\GEN\Transfer - bureaus\68E79	- Final Plans\68E79 - Pekin Bridge Lighting,B	W <b>DRAWN</b> ITS (Revised 2-10-20).dgn	REVISED -	STATE OF ILLINOIS	STATE OF ILLINOIS	STATE OF ILLINOIS						TAZEWELL	63 51	
	PLOT SCALE = 38.0588 '/ in.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION		IL 9 - WUNAUGHION BRIDGE (PENIN)		IL 9 - WENAUGHTUN BRIDGE (PERIN)			692	(IZB)BR,BDR,BJR	CONTRA	ACT NO. 68E79
	PLOT DATE = 2/10/2020	DATE -	REVISED -		SCALE:		STA.	TO STA.		ILLINO	IS FED. AID PROJECT			

- PEKIN BRIDGE ELECTRICAL PLAN SHEET 6									
ESCRIPTION	UNIT	TOTAL QTY.							
, 2" DIA., STAINLESS STEEL	FOOT	300.0							
TTACHED TO STRUCTURE, 12" X 12" X 8"	EACH	2.0							
<	L SUM	1.0							

### NOT TO SCALE ELECTRICAL SHEET 6 OF 10





FILE NAME = \\Central\d4\common\GEN\Transfer - burg	USER NAME = howalder aus\68E79 - Final Plans\68E79 - Pekin Bridge PLOT SCALE = 38.0588 // in.	DESIGNED - DRANNG, RWIS, and ITS (Final 12-10-19).dgn CHECKED -	REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		PROPOSED RWIS Pekin Bridge – F
	PLOT DATE = 12/12/2019	DATE -	REVISED -		SCALE:	



CHECKED REVISED **DEPARTMENT OF TRANSPORTATION** SCALE: DATE REVISED

PLOT DATE = 12/12/2019

(Total of four 20A 2-Pole breakers required) (Includes two spare circuit breakers)

### NOT TO SCALE ELECTRICAL SHEET 9 OF 10

NTROLLER DETAIL			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
n	DRIA COUNTY				TAZEWELL	63	54
				(12D)DR,DUR,DJR	CONTRACT	NO. 6	8E79
	STA.	TO STA.		ILLINOI	S FED. AID PROJECT		



### **GENERAL NOTES**

- Light pole protection sleeve to be installed prior to mast arm installation.
- Light pole protection sleeve to be constructed from galvanized steel with the same thickness as the light pole shown on Highway Standard 830011.
- Light pole protection sleeve sized as required to provide a three inch minimum clearance around the existing light pole and light pole base.
- Light pole protection sleeve to be designed to allow for unrestricted access to the light pole handhole (designed to be lifted up and secured to allow access to handhole).
- Light pole protection sleeve to have a three inch wide band of high visibility fluorescent yellow reflective tape (AZ sheeting) on top and bottom.
- Install high quality outdoor rated neoprene foam (appropriately sized strips or cubes) inside protection sleeve around light pole to keep sleeve optimally centered and provide cushioning/shock absorption to protect light pole in the event of a vehicle or snow plow blade impact.
- Light pole protection sleeve and cushioning material to be designed and installed to prevent accumulation of water inside protection sleeve.
- Light pole protection sleeve to be designed for installation on an existing light pole without removing the pole or luminaire arm.
- Contractor shall submit detailed drawings with catalog cut-sheets for all materials to the Department for review and approval prior to proceeding with fabrication.

### NOT TO SCALE ELECTRICAL SHEET 10 OF 10

N SLEEVE DETAIL			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		603		TAZEWELL	63	55	
				(12D)DR,DUR,DUR	CONTRACT	NO. 6	8E79
	STA.	TO STA.		ILLINOI	S FED. AID PROJECT		



08-02 ADD CROSSWALK DMNS. WITH T.S.

M.A.

**DEPARTMENT OF TRANSPORTATION** NOT TO SCALE

	F.A.P RTE.	SECT	LION		COUNTY	TOTAL SHEETS	SHEET NO.
MARKINGS		(12B)BR;BDR,BJR			TAZEWELL	63	56
SHT. 1	OF 2				CONTRACT	NO. 6	8E79
CADD STD. 7800	01-D4 FED. RC	DAD DIST. NO.	ILLINOIS FED	. AID	PROJECT		



IGE	CONTINUOUS	(Includes Width Transitions for Median and Left Turn Lane Introductions)
km∕h)	50' (15m)	15' (5m)
km∕h)	75' (23m)	20' (6m)
ו)	150' (46m)	30' (9m)

# All dimensions are in inches (millimeters) unless otherwise noted.

				F.A.P RTE.	2	SE	CTION		COUNTY	TOTAL SHEETS	SHEET NO.
MARKINGS		693	3	(12B)BR;BDR,BJR			TAZEWELL	63	57		
		SHT. 2 OF 2							CONTRACI	NO. 6	8E79
	CADD	STD.	780001-D4	FED.	ROAD	DIST. NO.	ILLINOIS	FED. AI	ID PROJECT		



ARDRAIL, TYPE A,	F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
OSTS	693	(12B)BR,BDR,BJR	TAZEWELL	63	58
SHT. 1 OF 4			CONTRACT	NO. 6	8E79
CADD STD. 630011-D4	FED. RC	AD DIST. NO. ILLINOIS FED. A	D PROJECT		



ARDRAIL, TYPE A, OSTS SHT. 2 OF 4		SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		(12B)BR,BDR,BJR	TAZEWELL	63	59
			CONTRACT	NO. 6	8E79
CADD STD	. 630011-D4 FED.	ROAD DIST. NO. ILLINOIS	FED. AID PROJECT		



		STATE OF ILLINOIS	STEEL PLATE BEAM GUAR
		DEPARTMENT OF TRANSPORTATION	0.75 FUUT FU3
			NOT TO SCALE

ARDRAIL, TYPE A, OSTS SHT. 3 OF 4		SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		(12B)BR,BDR,BJR	TAZEWELL	63	60
			CONTRACT	NO. 6	8E79
CADD STD. 630011-D4	FED. RC	AD DIST. NO. ILLINOIS FED. A	D PROJECT		

![](_page_65_Figure_0.jpeg)

![](_page_65_Figure_1.jpeg)

![](_page_65_Figure_2.jpeg)

![](_page_65_Figure_3.jpeg)

Note: Ledge line is top of rock ledge or hard slag fill.

# ELEVATION

# FOOTING FOR POST WHEN IMPERVIOUS MATERIAL IS ENCOUNTERED

Note:

If it is necessary for D to be more than 12 (300) and less than 10'-0'' (3.0 m) type M-2 (M-5) curb and gutter (Std. 606001) shall be used in front of and in advance of the guardrail.

# GUARDRAIL PLACED BEHIND CURB

(D = 0 desirable to 12 (300) maximum)

V	W	L			
v v		Steel Post	Wood Post		
0 - 18	24	21	23		
(0 - 460)	(610)	(530)	(580)		
>18 - 41.5	12	<b>8</b>	10		
(>460 - 825)	(305)	(203)	(250)		
>41.5 - 53.5	12 - 0	<b>8</b>	10		
(>825 - 1.13 m)	(305 - 0)	(203)	(250)		

![](_page_65_Figure_12.jpeg)

			unles	ss otherwise noted	la	
		STEEL PLATE BEAM GUARDBAIL TYPE A.	F.A.P RTE.	SECTION	COUNTY TO	OTAL SHEET HEETS NO.
	STATE OF ILLINOIS	6 75 FOOT POSTS	693	(12B)BR,BDR,BJR	TAZEWELL	63 61
	DEPARTMENT OF TRANSPORTATION	SHT. 4 OF	4		CONTRACT N	NO. 68E79
		NOT TO SCALE CADD STD. 630011-D	4 FED. RC	DAD DIST. NO. ILLINOIS FED. AID	PROJECT	

![](_page_65_Figure_15.jpeg)

All dimensions are in inches (millimeters)

![](_page_66_Figure_0.jpeg)

01-26-17 REVISED

R.D.

### GENERAL NOTES: GUARDRAIL AGGREGATE EROSION CONTROL

- 2. Before placing the aggregate and the Geotextile Fabric, weeds and grass shall be removed from the area to be covered.
- 3. After the area has been prepared, and in a dry condition, the Geotextile fabric shall be placed with a 12(300) minimum overlap. A knife cut for guardrail post installation is necessary.
- or hand methods, in a manner reasonably true to line and grade.
- 5. The Contractor shall have the option of placing the guardrail before or filled and the aggregate returned to line and grade.
- 6. Materials shall meet the following requirements:
- A. The crushed aggregate shall be CA1 gradation in accordance with Article 1004.01(c) of the Standard Specifications.
- B. The Geotextile Fabric shall be nonwoven fabric in accordance with Article 1080.02 of the Standard Specifications.

NOT TO SCALE

![](_page_66_Figure_10.jpeg)

1. This work shall consist of grading as needed, furnishing and installing geotextile fabric and staples, and furnishing, placing and shaping crushed aggregate around and behind Steel Plate Beam Guardrail posts in accordance with Plan Details.

4. The aggregate shall be deposited, compacted and shaped by either mechanical

after the Geotextile Fabric and Aggregate are in place. If the guardrail is placed after the Geotextile Fabric and Aggregate, then any voids must be

50'-0" (15.2m) typ.

\_\_\_\_Match proposed shoulder material (HMA or Aggregate) 18//18// ∕∦∕

Guardrail Aggregate Erosion Control

All dimensions are in inches (millimeters) unless otherwise noted.

TROL TREATMENTS SHT. 1 OF 2		SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		(12B)BR,BDR,BJR	TAZEWELL	63	62
			CONTRACT	NO. 6	8E79
CADD STD. 630101-D4	FED. RC	AD DIST. NO. ILLINOIS FED. A	ID PROJECT		

![](_page_67_Figure_0.jpeg)