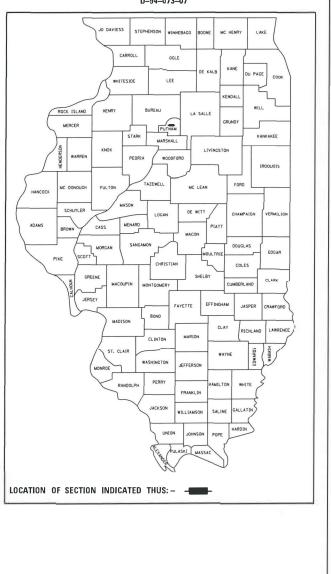
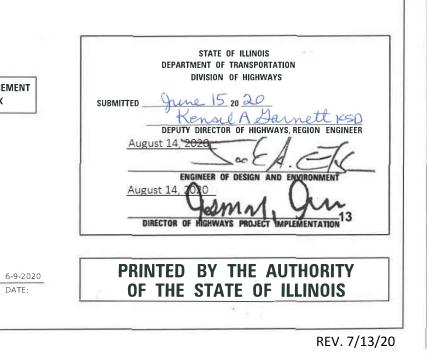
	09–18–2020 LETTING ITEM 022	STATE OF ILLINOIS
	SHEET NO. INDEX OF SHEETS	
	2 – 3 GENERAL NOTES AND COMMITMENTS	DEPARTMENT OF TRANSPORTATION
0	4 – 10 SUMMARY OF QUANTITIES	
	11 – 12 TYPICAL SECTIONS	DIVISION OF HIGHWAYS
	13 – 16 SCHEDULE OF QUANTITIES 17 – 18 REMOVAL PLAN AND PROFILE	
	17 – 18 REMOVAL PLAN AND PROFILE 19 – 20 PLAN & PROFILE	DDODOCED
	21 ROADWAY DETAILS	PROPOSED
	22 – 25 TRAFFIC CONTROL PLANS	
	26 EROSION CONTROL PLAN	
	27 – 43 STRUCTURAL DETAILS 44 – 50 EXISTING BRIDGE PLANS WITH BORING	HIGHWAY PLANS
0	51 – 61 DISTRICT STANDARDS	
	62 – 64 CROSS SECTIONS	FAP 619 (IL 71)
	LIST OF ILLINOIS DOT HIGHWAY	SECTION (120BR)BRR
	STANDARDS	PROJECT STP-YWWR(957)
	000001-07 631032-09 701321-18 001001-02 666001-01 701901-08	N PUTNAM COUNTY
	280001-07 701001-02 704001-08	K C−94−111−07
	420406 701006–05 725001–01	G-94-111-07
	515001–04 701011–04 780001–05	R 2 W, 3rd PM
	601101–02 701201–05 782006–01 630001–12 701301–04 886001–01	
	630301-09 701311-03 886006-01	LOCATION MAP
		NOT TO SCALE
	ADT = 3800 (2017)	
t		
	% MU = 14.5 (2017)	
		TESTRESSED CONCRETE DECK BEAM
		JPERSTRUCTURE ON EXISTING
ā	ARTERIAL (RURAL)	JBSTRUCTURE 76'-6" BK-BK BUTMENTS, 36'-0" CLEAR DECK WIDTH 7 10 11 12 WARK
	N N	
	0	* SKEW KISTING SN 078-0032 (C STA 217+77
i i i i i i i i i i i i i i i i i i i	PROJECT IS LOCATED IN HENNEPIN	
	TOWNSHIP IN UNINCORPORATED	HERINEPIN
	PUTNAM COUNTY	Includer ity
E C T	e P	ROPOSED PROJECT ENDS
	S	TA 220+50
-	100' 200' 300'	
0		15 SUPERSTRUCTURE REPLACEMEN
	0 50' 100'	OVER COFFEE CREEK
	0 50' 100'	
CTAC PT3 0005	0 <u>50</u> 1° = 30'	
905		
TJODE	FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT	062-045266 062-045266 062-045266 062-045266 062-045266 062-045266 062-045266 062-045266 062-045266 062-045266 0
G		
	ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.	
0	J.U.L.I.E. JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION	
	1-800-892-0123	GROSS LENGTH = 550 FT. = 0.10 MILE
	OR 811	NET LENGTH = 550 FT. = 0.10 MILE 6-9-2 MARTIN J. SILVESTER, P.E. DATE
L L	CONTRACT NO. 68741	LICENSE EXP. DATE 11-30-2021
	CATALOG NO.033197–04D	







D-94-073-07

AVAILABILITY OF ELECTRONIC FILES

MicroStation and GEOPAK files of this project will be made available to the Contractor. 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.

UTILITIES - LOCATIONS / INFORMATION ON PLANS

The locations of existing water mains, gas mains, sewers, electric power lines, telephone lines and other utilities as shown on the plans are based on careful field investigation and the best information available, but they are not guaranteed. Unless elevations are shown all utility locations shown on the cross sections are based on the approximate depth supplied by the utility company. It shall be the Contractor's responsibility to ascertain their exact location from the utility companies and by field inspection.

TREE REMOVAL-UTILITY RELOCATION

Tree removal may be necessary prior to utility companies being able to relocate their facilities outside the construction limits. The Contractor should coordinate any contract tree removal activities with the utility companies to eliminate conflicts and potential delays caused by utility tree removal activities or incomplete utility relocation.

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

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

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.

TEMPORARY MATERIAL REOUIREMENTS - UTILITY AND DRIVEWAY CROSSINGS

Incidental hot-mix asphalt surface shall be used for all temporary side road crossings. Aggregate surface course may be used for all driveway crossings except during winter shutdown in accordance with Article 107.09.

TREE REMOVAL

The District Four Tree Committee should be contacted and prior approval obtained for any tree removal beyond the limits/locations included in the plans.

TRANSITION PAYMENT METHOD - NEW/OLD CONSTRUCTION

Three meter (10 ft.)(3m) transitions shall be used to match proposed items of work to existing items in the field unless otherwise shown. The transition shall be paid for at the contract unit price for the proposed item of work specified.

ENGINEERS FIELD OFFICE

Add the following sentence to the end of paragraph 670.02 (i) and 670.04 (e): All of the telephone lines provided shall have unpublished numbers.

BUTT JOINT CUTTING TIME RESTRICTION

Butt joints shall not be milled more than three (3) days prior to placement of the HMA surface course.

RIGHT-OF-WAY MARKERS

When installing right-of-way makers, care shall be taken to not disturb any existing property/right-of-way pins. If a property/right-of-way pin is found at the location of a proposed right-of-way marker, the marker shall be placed one (1) foot in front of the pin.

AGGREGATE FOR DRIVEWAY REPLACEMENT the pay item for the aggregate as specified on the plans.

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 2290 (waste/use area review)
- 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 waste site environmental clearances and six weeks for the required borrow site environmental clearances.

AGGREGATE SHOULDERS, TYPE B

Aggregate Shoulders. Type B shall be required for all granular construction of side roads, entrances and mail box turnouts, whether or not portions of the surfaces thus constructed are to be covered with bituminous surface, except where noted differently on the plans.

Mixture Use(s):	Surface Course 2"	Shoulder Surface Lift 2"	Shoulder Lower Lifts
AC/PG:	PG 64-22	PG 64-22	PG 64-22
Design Air Voids:	4.0% @ N=50	4.0% @ N=50	4.0% @ N=50
Mixture Composition: (Mixture Gradation)	IL 9.5	IL 9.5	IL 19.0
Friction Aggregate:	Mix D	Mix C	N.A.
Quality Management Program:	QCQA	QCQA	QCQA

NOTE: 1. INDIVIDUAL LIFT THICKNESS OF EACH MIX TYPE WILL BE NO LESS THAN 3 TIMES NOMINAL MAXIMUM AGGREGATE SIZE AND NO MORE THAN 6 TIMES NOMINAL AGGREGATE SIZE, UNLESS OTHERWISE APPROVED BY THE ENGINEER.

UNLESS OTHERWISE NOTED.

PAVING SURFACE COURSE

Continuous paving operations on the main roadway shall be maintained at all times during the construction of the hot-mix asphalt surface. No interruptions for side roads, entrances, turn lanes, etc. will be allowed.

The Upchurch Group	D - REVISED	SED -			GENERAL NOTE	ES AND C	OMMITMENTS	F.A.P.	SECTION	COUNTY	TOTAL SHEET
architects engineers surveyors TUG PROJECT NO. 3119049-01 DRAWN	- LP REVISED	SED -	STATE OF ILLINOIS		ILLINOIS ROUTE			619	(120BR)BRR	PUTNAM	64 2
PLOT SCALE = 40.0000 '/ 10. CHECKED	D - REVISED	SED -	DEPARTMENT OF TRANSPORTATION			/I UVEN	COFFEE GREEK			CONTRACT	NO. 68741
Yet License No. 184-003401 Phone: 217,235,3177 PLOT DATE 5/28/2020 8:17:20 AM DATE	- REVISED	SED -		SCALE:	SHEET NO. OF	SHEETS	STA. TO STA.	FED. ROA	D DIST. NO. 4 ILLINOIS FED. AI	D PROJECT	

The material used for construction of permanent aggregate driveways shall be gravel or crushed stones as directed by the Engineer, to replace in kind the existing aggregate driveways. No additional compensation shall be provided for this requirement but shall be considered as included in the cost of

- BDE form 2289 (cultural and natural resources review of borrow areas)

- a location map showing the size limits and location of the use area

2. FOR DESIGN PURPOSES, MIXTURE WEIGHT FOR ALL MIXES IS DETERMINED TO BE 112.0 lb/s.y./in.,

PAVEMENT STATION NUMBERS & PLACEMENT

The Contractor shall provide labor and materials required to imprint pavement station numbers in the finished surface of the pavement and/or overlay. The numbers shall be approximately 3/4 inch (20 mm) wide, 5 inches (125 mm) high and 5/8 inch (15 mm) deep.

The pavement station numbers shall be installed as specified herein:

Interval - 200 feet (english stationing) or 100 meters (metric stationing)

Bottom of numbers - 6 inches (150 mm) from the inside edge of the pavement marking

Location:

- 2, 3, & 5 lane pavements right edge of pavement in direction of increasing stations
- Multi-lane divided roadways outside edge of pavement in both directions
- Ramps along baseline edge of pavement

Position - stations shall be placed so they can be read from the adjacent shoulder

Format - English pavement stations shall use this format xxx+00, where x represents the pavement station

This work will not be paid for separately, but will be included in the cost of the associated pavement and/or overlay pay items.

ORDERING LENGTH CONFIRMATION - DRAINAGE ITEMS The Contractor shall consult with the Engineer in regard to the exact length of the box/pipe culverts, storm sewers, and/or pipe drains required prior to ordering these items.

SETTING OF SECTION CORNER MONUMENTATION

All section corner locations on this project shall be located and verified by a licensed Land Surveyor prior to any removal work being performed. The Land Surveyor shall locate the existing section corners through courthouse research, personal knowledge or through the assistance of local firms performing Land Surveying in the area. If the section corner does not exist through either its physical location or through ties in the field it shall not be reset, there shall be no calculating of section corners onto a project required.

Once the paving and striping operations have been performed the section corner shall be reset at the direction of a licensed Land Surveyor. If any dimensions have been changed it shall be the responsibility of the Surveyor to file a new monument record in the appropriate courthouse.

A copy of all drawings or monument records produced from this project shall be sent to the Chief of Surveys, Illinois Department of Transportation, Region Three/District Four, Peoria, Illinois.

The supplying, drilling, setting of disks, professional services, labor and any other additional work required to perform this work shall be paid for under pay item for Permanent Survey Markers, Type I.

Refer to District Four CADD Standard 667101 for details.

COMMITMENTS

Commitments are not to be altered without the written approval of all parties to which the commitment was made.

No commitments have been made on this project.

The Upchurch Group	USER NAME = Sta34	DESIGNED -	REVISED -			GENERAL NOTES AND COMMITMENTS	F.A.P. SECTION	COUNTY TOTAL SHEET
architects engineers surveyors	TUG PROJECT NO. 3119049-01	DRAWN - LP	REVISED -	STATE OF ILLINOIS		ILLINOIS ROUTE 71 OVER COFFEE CREEK	619 (120BR)BRR	PUTNAM 64 3
Professional Design 123 North 15th Street Firm Corporation Mattoon, IL 61938	PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION		ILLINUIS KUUTE /I UVEK GUFFEE GREEN		CONTRACT NO. 68741
Elicense No. 184-003401 Phone: 217.235.3177 e-mail: upchurchgroup@upchurchgroup.com	PLOT DATE = 5/28/2020 8:17:40 AM	DATE -	REVISED -		SCALE:	SHEET NO. OF SHEETS STA. TO STA.	FED. ROAD DIST. NO. 4 ILLINOIS FED. AID	

ITEM TREE REMOVAL (6 TO 15 UNITS DIAMETER) TREE REMOVAL (OVER 15 UNITS DIAMETER) EARTH EXCAVATION CHANNEL EXCAVATION FURNISHED EXCAVATION	UNIT UNIT UNIT UNIT UNIT CU YD CU YD	TOTAL QUANTITY 37 38 340 322	CONSTRUCTION CODE 80% FED 20% STATE STRUCTURE 0013 37 37 38 38 340
TREE REMOVAL (6 TO 15 UNITS DIAMETER) TREE REMOVAL (OVER 15 UNITS DIAMETER) EARTH EXCAVATION CHANNEL EXCAVATION FURNISHED EXCAVATION	UNIT UNIT UNIT CU YD CU YD	QUANTITY 37 38 38 340	STRUCTURE 0013 37 38 340
TREE REMOVAL (6 TO 15 UNITS DIAMETER) TREE REMOVAL (OVER 15 UNITS DIAMETER) EARTH EXCAVATION CHANNEL EXCAVATION FURNISHED EXCAVATION	UNIT UNIT UNIT CU YD CU YD	QUANTITY 37 38 38 340	37 38 340
TREE REMOVAL (OVER 15 UNITS DIAMETER) EARTH EXCAVATION CHANNEL EXCAVATION FURNISHED EXCAVATION	UNIT CU YD CU YD CU YD	37 38 340	38 340
EARTH EXCAVATION CHANNEL EXCAVATION FURNISHED EXCAVATION	CU YD CU YD CU YD	340	340
CHANNEL EXCAVATION FURNISHED EXCAVATION	CU YD		
CHANNEL EXCAVATION FURNISHED EXCAVATION	CU YD		
FURNISHED EXCAVATION		322	322
	CU YD	1 1	
		133	133
TOPSOIL FURNISH AND PLACE, 4"	SQ YD	2220	2220
·			
SEEDING, CLASS 2A	ACRE	0.50	0.50
NITROGEN FERTILIZER NUTRIENT	POUND	45	45
PHOSPHORUS FERTILIZER NUTRIENT	POUND	45	45
POTASSIUM FERTILIZER NUTRIENT	POUND	45	45
MULCH, METHOD 2	ACRE	0.50	0.50
EROSION CONTROL BLANKET	SQ YD	2220	2220
EARTH EXCAVATION FOR EROSION CONTROL		54	54
TEMPORARY EROSION CONTROL SEEDING	POUND	50	50
	NITROGEN FERTILIZER NUTRIENT PHOSPHORUS FERTILIZER NUTRIENT POTASSIUM FERTILIZER NUTRIENT MULCH, METHOD 2 EROSION CONTROL BLANKET EARTH EXCAVATION FOR EROSION CONTROL TEMPORARY EROSION CONTROL SEEDING	PHOSPHORUS FERTILIZER NUTRIENT POUND POTASSIUM FERTILIZER NUTRIENT POUND MULCH, METHOD 2 ACRE EROSION CONTROL BLANKET SQ YD EARTH EXCAVATION FOR EROSION CONTROL CU YD	PHOSPHORUS FERTILIZER NUTRIENT POUND 45 POTASSIUM FERTILIZER NUTRIENT POUND 45 POTASSIUM FERTILIZER NUTRIENT POUND 45 MULCH, METHOD 2 ACRE 0.50 EROSION CONTROL BLANKET SQ YD 2220 EROSION CONTROL BLANKET CU YD 54

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-: De	architects engineers surveyors	TUG PROJECT NO. 3119049-01	DRAWN - TLW	REVISED -	STATE OF ILLINOIS		ILLINOIS ROUTE 71 OVER COFFEE CREEK	619 (120BR)BRR	PUTNAM 64 4
DDEL	Professional Design 123 North 15th Street Firm Corporation Mattoon, IL 61938	PLOT SCALE = 2.0000 ′ / m.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION		ILLINUIS RUUTE /I UVER GUFFEE GREEN		CONTRACT NO. 68741
MI	License No. 184-003401 Phone: 217.235.3177 e-mail: upchurchgroup@upchurchgroup.com	PLOT DATE = 5/28/2020 8:19:40 AM	DATE -	REVISED -		SCALE:	SHEET NO. OF SHEETS STA. TO STA.	FED. ROAD DIST. NO. 4 ILLINOIS FED. 4	NID PROJECT

				CONSTRUCTION CODE 80% FED
				20% STATE
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0013
28000305	TEMPORARY DITCH CHECKS	FOOT	72	72
28000400	PERIMETER EROSION BARRIER	FOOT	130	130
28000500	INLET AND PIPE PROTECTION	EACH	1	1
28001000			14	44
28001000	AGGREGATE (EROSION CONTROL)	TON	11	11
28100107	STONE RIPRAP, CLASS A4	SQ YD	225	225
28100109	STONE RIPRAP, CLASS A5	SQ YD	730	730
28200200	FILTER FABRIC	SQ YD	955	955
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	74	74
40600295	POLYMERIZED BITUMINOUS MATERIALS (TACK COAT)	POUND	1302	1302
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	232	232
40600990	TEMPORARY RAMP	SQ YD	107	107
40604060	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50	TON	126	126
42000070	PAVEMENT CONNECTOR (HMA) FOR BRIDGE APPROACH SLAB	SQ YD	48	48
44000100	PAVEMENT REMOVAL	SQ YD	154	154

P-VID	The Upchurch Group	USER NAME = Sta34	DESIGNED -	REVISED -			SUMMARY OF QUANTITIES	F.A.P. SECTION	COUNTY TOTAL SHEET
L: De	architects engineers surveyors	TUG PROJECT NO. 3119049-01		REVISED -	STATE OF ILLINOIS		ILLINOIS ROUTE 71 OVER COFFEE CREEK	619 (120BR)BRR	PUTNAM 64 5
1LE N	Professional Design 123 North 15th Street Firm Corporation Mattoon, IL 61938 License No. 184-003401 Phone: 217.235.3177	PLOT SCALE = 2.0000 '/ In.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION				CONTRACT NO. 68741
L	e-mail: upchurchgroup@upchurchgroup.com	PLOT DATE = 5/28/2020 8:20:09 AM	DATE -	REVISED -		SCALE:	SHEEL NO. OF SHEELS STA. TO STA.	FED. ROAD DIST. NO. 4 ILLINOIS FED. A	D PROJECT

				CONSTRUCTION CODE 80% FED
				20% STATE STRUCTURE
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0013
44004250	PAVED SHOULDER REMOVAL	SQ YD	129	129
48203029	HOT-MIX ASPHALT SHOULDERS 8"	SQ YD	71	71
48203100	HOT MIX ASPHALT SHOULDERS	TON	76	76
50101500	REMOVAL OF EXISTING SUPERSTRUCTURES	EACH	1	1
				·
50102400	CONCRETE REMOVAL	CU YD	11.6	11.6
50104650	SLOPE WALL REMOVAL	SQ YD	382	382
50200100	STRUCTURE EXCAVATION	CU YD	22	22
50300225	CONCRETE STRUCTURES	CU YD	22.2	22.2
50300255	CONCRETE SUPERSTRUCTURE	CU YD	13	13
50300260	BRIDGE DECK GROOVING	SQ YD	426	426
50300300	PROTECTIVE COAT	SQ YD	454	454
50301350	CONCRETE SUPERSTRUCTURE (APPROACH SLAB)	CU YD	72.7	72.7
50400605	PRECAST PRESTRESSED CONCRETE DECK BEAMS (33" DEPTH)	SQ FT	2642	2642
	REINFORCEMENT BARS, EPOXY COATED	POUND	24610	24610

The Upchurch Group	DESIGNED -	REVISED -			SUMMARY OF QUANTITIES	F.A.P. RTE. SECTION COUNTY TOTAL SHEET SHEETS NO.
architects engineers surveyors TUG PROJECT NO. 3119049-01	DRAWN - TLW	REVISED -	STATE OF ILLINOIS		ILLINOIS ROUTE 71 OVER COFFEE CREEK	619 (120BR)BRR PUTNAM 64 6
Professional Design 123 North 15th Street Firm Corporation Mattoon, IL 61938 PLOT SCALE = 2.00000 ' / In.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION		ILLINDIS NOUTE /I OVEN GUITEL GALLA	CONTRACT NO. 68741
E License No. 184-003401 Phone: 217.235.3177 e-mail: upchurchgroup@upchurchgroup.com PLOT DATE = 5/28/2020 8:20:38 AM	DATE -	REVISED -		SCALE:	SHEET NO. OF SHEETS STA. TO STA.	FED. ROAD DIST. NO. 4 ILLINOIS FED. AID PROJECT

					CONSTRUCTION CODE
					80% FED 20% STATE STRUCTURE
CODE NO.		ITEM	UNIT	TOTAL QUANTITY	0013
50800515	BAR SPLICERS		EACH	266	266
50901050	STEEL RAILING, TYPE SM	М	FOOT	211	211
51500100	NAME PLATES		EACH	1	1
52000110	PREFORMED JOINT STRI	IP SEAL	FOOT	36	36
58600101	GRANULAR BACKFILL FC	DR STRUCTURES	CU YD	30	30
59000200	EPOXY CRACK INJECTIO	Ν	FOOT	14	14
59100100	GEOCOMPOSITE WALL	DRAIN	SQ YD	26	26
60100060	CONCRETE HEADWALLS	FOR PIPE DRAINS	EACH	4	4
63000001	STEEL PLATE BEAM GU	ARDRAIL, TYPE A, 6 FT POSTS	FOOT	75	75
63100087		INAL, TYPE 6A	EACH	4	4
63100167	TRAFFIC BARRIER TERM	INAL, TYPE 1, (SPECIAL) TANGENT	EACH	3	3
63100169	TRAFFIC BARRIER TERM	INAL, TYPE 1, (SPECIAL) FLARED	EACH	1	1
63200310	GUARDRAIL REMOVAL		FOOT	453	453
00000105					-
66600105		TING RIGHT OF WAY MARKERS	EACH	8	8
<u> </u>	1		I	1	1
	vised -	• SPECIALTY ITEM			
RE	VISED - VISED -	STATE OF ILLINOIS			SUMMARY OF QUAN NOIS ROUTE 71 OVER (

The Upchurch Group USER NAME = Sta34 DESIGNED -	REVISED -			SUMMARY OF QUANTITIES	F.A.P. SECTION	COUNTY TOTAL SHEET SHEETS NO.
architects engineers surveyors tug project NO. 3119049-01 DRAWN - TLW	REVISED -	STATE OF ILLINOIS		ILLINOIS ROUTE 71 OVER COFFEE CREEK	619 (120BR)BRR	PUTNAM 64 7
u Z Professional Design 123 North 15th Street Mattern, Lt. 61938 PLOT SCALE = 2.0000 1 / m. CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION		ILLINUIS RUUTE /T UVER CUFFEE CREEK		CONTRACT NO. 68741
Set Licens No.184003401 Phone: 2172353.177 e-mail: upchurchgroup@upchurchgroup.com PLOT DATE = 5/28/2020 8:21:07 AM DATE -	REVISED -		SCALE:	SHEET NO. OF SHEETS STA. TO STA.	FED. ROAD DIST. NO. 4 ILLINOIS FED.	NID PROJECT

	/ISED -	STATE OF ILLINOIS			OIS ROUTE 71 OVER C		619	(120BR)BRR	PUTNAM	64
REV	/ISED -				SUMMARY OF QUAN	TITIES	F.A.P. RTE.	SECTION		TOTAL SHEETS
= SPECIAI										
70300924	PAVEMENT MARKING TA	PE, TYPE IV, 24"	FOOT	52	52					
0000004		гь, нгё IV, 4		2200	2200					
70300904	PAVEMENT MARKING TA		FOOT	2206	2206					
70300150	SHORT TERM PAVEMENT	MARKING REMOVAL	SQ FT	369	369					
70300100	SHORT TERM PAVEMENT	r Marking	FOOT	56	56					
70107025	CHANGEABLE MESSAGE	SIGN	CAL DA	10	10					
70107005	PAVEMENT MARKING BL	ACKOUT TAPE, 5"	FOOT	839	839					
70106700	TEMPORARY RUMBLE ST	RIPS	EA	6	6					
70106500	TEMPORARY BRIDGE TR	AFFIC SIGNALS	EACH	1	1					
10103013					5					
70103815	TRAFFIC CONTROL SURV	FILLANCE	CAL DA	5	5					
70100450	TRAFFIC CONTROL AND F	PROTECTION, STANDARD 701201	L. SUM	1	1					
70100405	TRAFFIC CONTROL AND F	PROTECTION, STANDARD 701321	EACH	1	1					
67100100	MOBILIZATION		L. SUM	1	1					
67000400	ENGINEER'S FIELD OFFIC	E, TYPE A	CAL MO	6	6					
	PERMANENT SURVEY M		EACH	QUANTITY 3	3					
ODE NO.		ITEM	UNIT	TOTAL	STRUCTURE 0013					
					80% FED 20% STATE					
					CONSTRUCTION CODE					

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AME	architects engineers surveyors	TUG PROJECT NO. 3119049-01	DRAWN - TLW	REVISED -	STATE OF ILLINOIS	1		ROUTE		
DDEI LE N	Professional Design 123 North 15th Street Firm Corporation Mattoon, IL 61938	PLOT SCALE = 2.0000 '/ in.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION		ILLINUIS	RUUTE	/I UVER	1
M	License No. 184-003401 Phone: 217.235.3177 e-mail: upchurchgroup@upchurchgroup.com	PLOT DATE = 5/28/2020 8:21:39 AM	DATE -	REVISED -		SCALE:	SHEET NO.	OF	SHEETS	

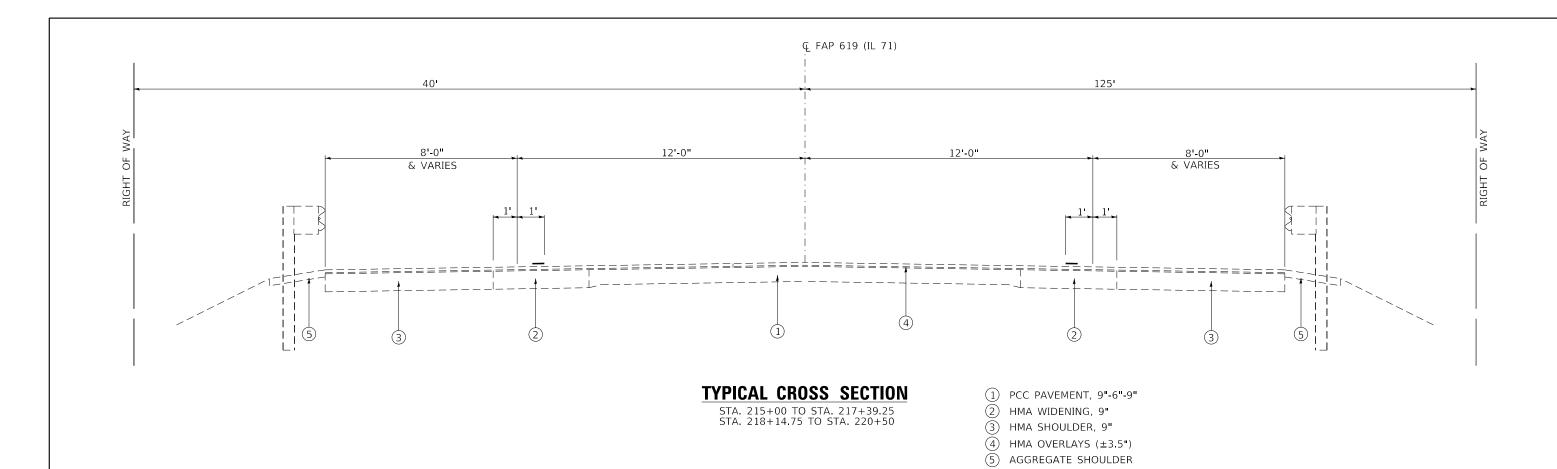
						CONSTRUCTION CODE
						80% FED 20% STATE STRUCTURE
	CODE NO.		ITEM	UNIT	TOTAL QUANTITY	0013
ľ	70400100	TEMPORARY CONCRETE	BARRIER	FOOT	413	413
	70400200	RELOCATE TEMPORARY	CONCRETE BARRIER	FOOT	413	413
	70600250	IMPACT ATTENUATORS,	TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3	EACH	2	2
	70600350	IMPACT ATTENUATORS,	RELOCATE (NON-REDIRECTIVE), TEST LEVEL 3	EACH	2	2
	72501000	TERMINAL MARKER - DIR	RECT APPLIED	EACH	4	4
	78005110	EPOXY PAVEMENT MAR	KING - LINE 4"	FOOT	1240	1240
	78200005	GUARDRAIL REFLECTOR	S, TYPE A	EACH	8	8
	X1200207	REMOVE AND RELAY PIP	PE CULVERT (SPECIAL)	FOOT	49	49
	X4401198	HOT - MIX ASPHALT SUR	FACE REMOVAL, VARIABLE DEPTH	SQ YD	1551	1551
	X5030305	CONCRETE WEARING SU	JRFACE, 5"	SQ YD	294	294
	X7030005	TEMPORARY PAVEMENT	T MARKING REMOVAL	SQ FT	866	866
	X7040125	PINNING TEMPORARY CO	ONCRETE BARRIER	EACH	36	36
	Z0001002	GUARDRAIL AGGREGATE	E EROSION CONTROL	TON	169	169
ŀ	Z0001900	ASBESTOS BEARING PA	D REMOVAL	EACH	14	14
ŀ						
L	*= SPECIAI	LTY ITEM		I	1	I
	2. 200 1					
-						
	REVI	ISED - ISED -	STATE OF ILLINOIS			SUMMARY OF QUANNOIS ROUTE 71 OVER
	REVI	ISED -	DEPARTMENT OF TRANSPORTATION		ILLI	VUIS NUUIE /I UVEK

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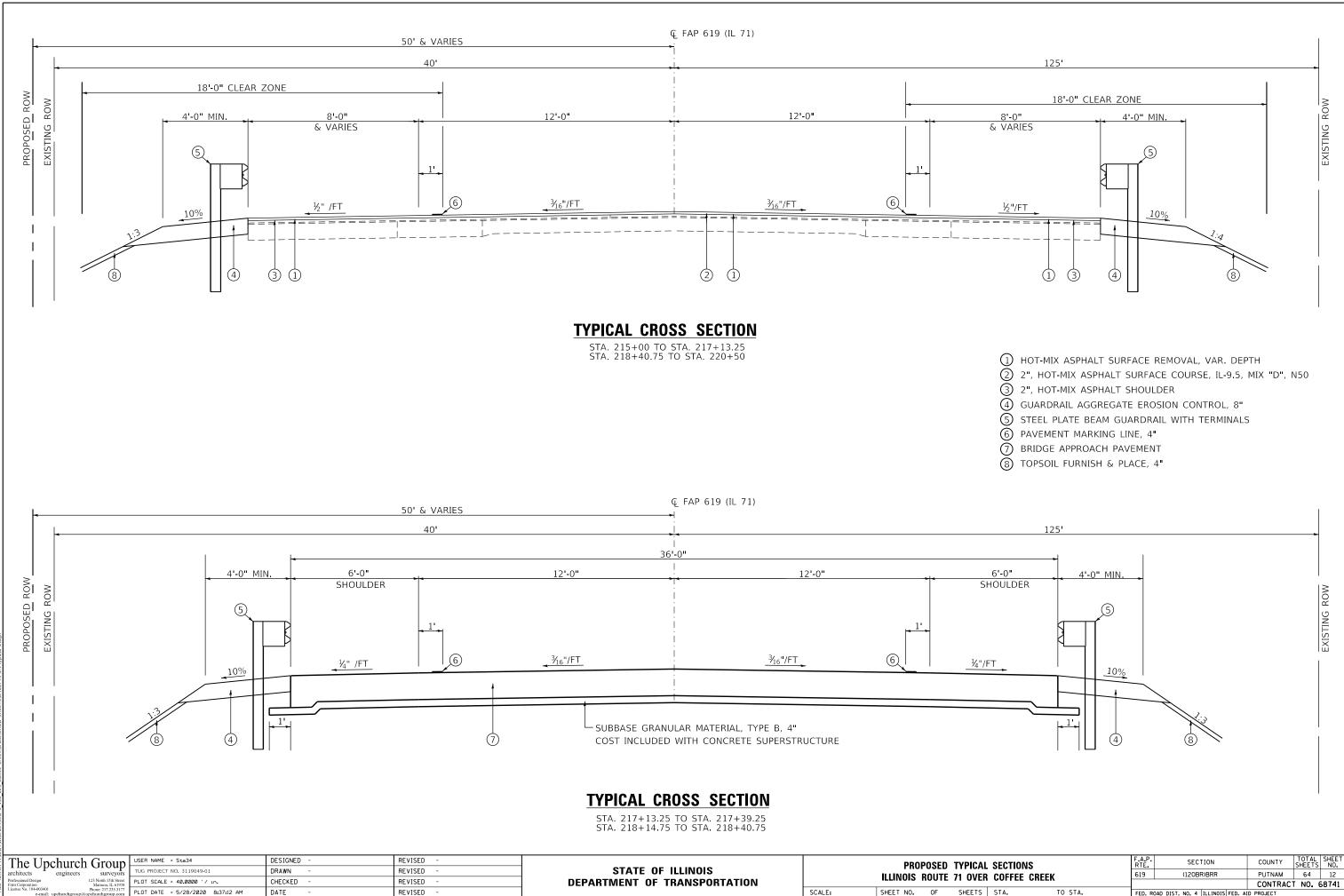
fault P:\II	The Upchurch Group	USER NAME = Sta34	DESIGNED -	REVISED -			611			ANTITIES	
-: De	architects engineers surveyors	TUG PROJECT NO. 3119049-01	DRAWN - TLW	REVISED -	STATE OF ILLINOIS		ILLINOIS	ROUTE			CEV
DDEL E N.	Professional Design 123 North 15th Street Firm Corporation Mattoon, IL 61938	PLOT SCALE = 2.0000 '/ in.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION		ILLINUIS	RUUTE	/I UVEK	CUFFEE CRI	EEK
MC	License No. 184-003401 Phone: 217.235.3177 e-mail: upchurchgroup@upchurchgroup.com	PLOT DATE = 6/3/2020 2:29:14 PM	DATE -	REVISED -		SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.

						CONSTRUCTION CODE
						80% FED 20% STATE STRUCTURE
	CODE NO.		ITEM	UNIT	TOTAL QUANTITY	0013
	Z0012754	STRUCTURAL REPAIR OF	CONCRETE (DEPTH EQUAL TO OR LESS THAN 5 INCHES)	SQ FT	12	12
	Z0013798	CONSTRUCTION LAYOUT		LSUM	1	1
	Z0022800	FENCE REMOVAL		FOOT	718	718
	Z0046304	PIPE UNDERDRAINS FOR	R STRUCTURES 4"	FOOT	120	120
Ø	Z0076600	TRAINEES		HOUR	1,000	1,000
Ø	Z0076604	TRAINEES - TRAININ	G PROGRAM GRADUATE	HOUR	1,000	1,000
	Ø 0042	1		1	1	
	y 0042					
		ISED - ISED -	STATE OF ILLINOIS			SUMMARY OF QUA
	REV	ISED - ISED - ISED -	DEPARTMENT OF TRANSPORTATION	SCALE		NOIS ROUTE 71 OVER
		1920		JUALE		NOL OF SHEETS

efault	The Upchurch Group	USER NAME = Sta34	DESIGNED -	REVISED -			cu	MMAR		ANTITIES
E De	architects engineers surveyors	TUG PROJECT NO. 3119049-01	DRAWN -	REVISED -	STATE OF ILLINOIS			ROUTE		
DDEI	Z Professional Design 123 North 15th Street Firm Corporation Mattoon, IL 61938	PLOT SCALE = 2.0000 '/ in.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION		ILLINUIS	RUUTE	/I UVER	GUFFEE
ΝŪ	License No. 184-003401 Phone: 217.235.3177 e-mail: upchurchgroup@upchurchgroup.com	PLOT DATE = 6/10/2020 1:21:27 PM	DATE -	REVISED -		SCALE:	SHEET NO.	OF	SHEETS	STA.



efault P://I	The Upchurch Group	DESIGNED -	REVISED -			EVICTING TV		SECTION		F.A.P.	SECTION	COUNTY	TOTAL SHEET SHEETS NO.
AME :	architects engineers surveyors TUG PROJECT NO. 3119049-01	DRAWN -	REVISED -	STATE OF ILLINOIS	EXISTING TYPICAL SECTION			619	(120BR)BRR	PUTNAM	64 11		
E N.	Professional Design 123 North 15th Street Firm Corporation Mattoon, IL 61938 PLOT SCALE = 40.0000 ' / 10.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION		ILLINOIS ROUTE 71 OVER COFFEE CREEK		KEEK				T NO. 68741	
MO	License No. 184-003401 Phone: 217.235.3177 e-mail: upchurchgroup@upchurchgroup.com PLOT DATE = 5/28/2020 8:31:40 AM	DATE -	REVISED -		SCALE:	SHEET NO. OF SI	SHEETS	STA.	TO STA.	FED. ROAD	DIST. NO. 4 ILLINOIS FED. AI	D PROJECT	



TO STA. FED. ROAD DIST. NO. 4 ILLINOIS FED. AID PROJECT

			EX	(CAVATION	BALANCE			
		20200100	20300100	50200100			20400800	21101615
STATION TO STATION		EARTH EXCAVATION (CUT)	CHANNEL EXCAVATION	STRUCTURE EXCAVATION	EARTH EXCAVATION ADJUSTED SHRINKAGE 25% EARTH	EMBANKMENT (FILL)	FURNISHED EXCAVATION SHORTAGE (-) OR WASTE (+)	TOPSOIL FURNISH AND PLACE, 4"
		CU YD	CU YD	CU YD	CU YD	CU YD	CU YD	SQ YD
ST	AGEI							
214+00	217+39	215			162	220	-59	957
217+39	218+15		161	11	9		9	
218+15	220+50	10			8	43	-35	297
ST	AGE II							
215+00	217+39	105			79	94	-15	656
217+39	218+15		161	11	9		9	
218+15	220+50	10			8	50	-42	310
	TOTALS	340	322	22	275	407	-133	2220

CHANNEL EXCAVATION SHALL BE DISPOSED OF

FURNISHED EXCAVATON = EMBANKMENT - (EXCAVATION X 0.75)

		PER	MAN	ENT EROS	ION CONT	ROL SCHE	DULE		
				25000200	25000400	25000500	25000600	25100115	25100630
STATION TO STATION		LT / RT	AREA	SEEDING, CLASS 2	NITROGEN FERTILIZER NUTRIENT	PHOSPHORUS FERTILIZER NUTRIENT	POTASSIUM FERTILIZER NUTRIENT	MULCH, METHOD 2	EROSION CONTROL BLANKET
			SQ FT	ACRE	POUND	POUND	POUND	ACRE	SQ YD
214+00	220+50	RT	11286	0.28	25	25	25	0.28	1254
215+00	220+50	LT	8694	0.22	20	20	20	0.22	966
			TOTALS	0.50	45	45	45	0.50	2220

TRAFFIC CON	TROL SCH	EDULE
	70106700	70107025
STATION TO STATION	TEMPORARY RUMBLE STRIPS EACH	CHANGEABLE MESSGE SIGN CAL DAY
PER STD. 701321	6	
2 SIGNS FOR 5 DAYS		10
TOTALS	6	10

	TEMPORA	RY ERO	SION CON	NTROL SC	HEDULE	
			28000200	28000250	28000400	28001000
	LOCATION		EARTH EXCAVATION FOR EROSION CONTROL	TEMPORARY EROSION CONTROL SEEDING	PERIMETER EROSION BARRIER	AGGREGATE (EROSION CONTROL)
STATION T	O STATION	OFFSET	CU YD	POUND	FOOT	TON
214+00	220+50	RT		28	74.5	
214+00	220+50	LT		22	55.6	
217+60	217+90	RT	53.3			11.1
		TOTALS	53.3	50	130.1	11.1

efault P:\IC	The Upchurch Group	USER NAME = Sta34	DESIGNED -	REVISED -			SCHEDULE OF QUANTITIES	F.A.P. RTF	SECTION	COUNTY	TOTAL	HEET
L: De	architects engineers surveyors	TUG PROJECT NO. 3119049-01	DRAWN - LP/RMH	REVISED -	STATE OF ILLINOIS		ILLINOIS ROUTE 71 OVER COFFEE CREEK	619	(120BR)BRR	PUTNAM	64	13
ODE ILE N	Professional Design 123 North 15th Street Firm Corporation Mattoon, IL 61938 Jicense No. 184,003401 Phone: 217 235 3177	PLOT SCALE = 2.0000 1/ In.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION					CONTRACT	T NO. 6	8741
ΣŒ	e-mail: upchurchgroup@upchurchgroup.com	PLOT DATE = 5/28/2020 9:08:01 AM	DATE -	REVISED -		SCALE:	SHEET NO. OF SHEETS STA. TO STA.	FED. ROAD D	IST. NO. 4 ILLINOIS FED. A	AID PROJECT		

T		VAL SCHEDULE
		20100110
LOC	ATION	TREE REMOVAL (6 TO 15 UNITS DIAMETER)
STATION	OFFSET	UNITS
215+78	41.6' RT	10
216+11	41.4' RT	7
216+12	42.0' RT	7
216+25	41.5' RT	6
216+25	42.7' RT	7
	TOTAL	37

Т	REE REMO	OVAL SCHEDULE
		20100210
LOC	ATION	TREE REMOVAL (OVER 15 UNITS DIAMETER)
STATION	OFFSET	UNITS
215+16	42.0" RT	19
215+93	42.8" RT	19
	TOTAL	38

F	ENCE R	EMOVA	L SCHE	DULE
				Z0022800
STATION FROM	OFFSET FROM	STATION TO	OFFSET TO	FENCE REMOVAL
				UNITS
214+97	59.8' RT	219+20	41.1' RT	453.7
215+16	41.6' LT	217+39	26.5' LT	236.7
218+14.70	26.0' LT	218+22.80	32.2' LT	11.6
218+55.30	41.2' LT	218+71.40	40.4' LT	16.0
TOTAL				718.0

			PA		SCHEDULE		1	
				40600295	40600990	40604060	48203100	42000070
STATION	to station	LENGTH	WIDTH	POLYMERIZED BITUMINOUS MATERIALS (TACK COAT)	TEMPORARY RAMP	HMA SURFACE COURSE, MIX IL-9.5, "D", N50	HMA SHOULDERS (2")	PAVEMENT CONNECTOR (HMA) FOR BRIDGE APPROACH SLA
		FOOT	FOOT	POUND	SQ YD	TON	TON	SQ YD
215+00.00	215+08.00	8	24		21.3			
220+42.00	220+50.00	8	24		21.3			
217+11.25	217+19.25	8	36		32.0			
218+34.75	218+42.75	8	36		32.0			
215+00.00	217+13.25	213.25	24	409		64		
218+40.75	220+50.00	209.25	24	402		62		
215+00.00	217+13.25	213.25	VARIES	239			37.0	
218+40.75	220+50.00	209.25	VARIES	252			39.2	
217+13.25	217+19.25	6	36					24
218+34.75	218+40.75	6	36					24
	τοτα	LS		1,302	106.7	126	76.2	48

					40600982	44000100	44004250	63200310	X4401198
STATION 1	O STATION	LT / RT	LENGTH	WIDTH	HMA SURFACE REMOVAL- BUTT JOINT	PAVEMENT REMOVAL	PAVED SHOULDER REMOVAL	GUARDRAIL REMOVAL	HMA SURFAC REMOVAL, VA DEPTH
					SQ YD	SQ YD	SQ YD	FEET	SQ YD
215+00	215+30	-	30	39	106.9				
220+20	220+50	-	30	37	125.2				
217+13.25	217+39.25	-	26	27		77.8			
218+14.75	218+40.75	-	26	27		76.4			
214+50	215+30	RT	80	VARIES			46.4		
216+34.08	217+13.25	RT	79	1 & VARIES			4.4		
217+13.25	217+39.25	RT	26	5 & VARIES			17.1		
216+34.00	217+13.25	LT	79	1 & VARIES			4.4		
217+13.25	217+39.25	LT	26	5 & VARIES			15.3		
218+14.75	218+40.75	RT	26	5 & VARIES			14.2		
218+40.75	219+39.75	RT	99	1 & VARIES			5.5		
218+14.75	218+40.75	LT	26	5 & VARIES			17.2		
218+40.75	219+21.65	LT	89	1 & VARIES			4.8		
216+33	217+55	RT						122	
218+00	219+00	RT						100	
216+33	217+55	LT						122	
218+00	219+09	LT						109	
215+30	217+13	-	183	39					786
218+41	220+20	-	179	39					765
				TOTALS	232.1	154.2	129.3	453	1551

The Upchurch G	roup	USER NAME = Sta34	DESIGNED -	REVISED -			SCHEDULE OF QUANTITIES	F.A.P. SECTIO	N COUNTY TOTAL SHEET
architects engineers	surveyors	TUG PROJECT NO. 3119049-01	DRAWN - LP/RMH	REVISED -	STATE OF ILLINOIS		ILLINOIS ROUTE 71 OVER COFFEE CREEK	619 (120BR)B	RR PUTNAM 64 14
Professional Design 123 No G U Firm Corporation Mat	orth 15th Street toon, IL 61938	PLOT SCALE = 2.0000 '/ in.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION		ILLINUIS NUUTE /I UVEN GUFFEE GNEEN		CONTRACT NO. 68741
E License No. 184-003401 Phone e-mail: upchurchgroup@upchurd	: 217.235.3177 chgroup.com	PLOT DATE = 5/28/2020 8:39:00 AM	DATE -	REVISED -		SCALE:	SHEET NO. OF SHEETS STA. TO STA.	FED. ROAD DIST. NO. 4 ILI	INOIS FED. AID PROJECT

		1			1	70300150	G SCHEDUL 70300904	1			X7030005
STATION	IN TO STATION LT /		LENGTH	70107005 PAVEMENT MARKING BLACKOUT TAPE, 5"	70300100 SHORT-TERM PAVEMENT MARKING	SHORT-TERM PAVEMENT PAVEMENT MARKING	M PAVEMENT T MARKING TAPE, TYPE IV 4"	70300924 PAVEMENT MARKING TAPE, TYPE IV, 24"		MARKING - LINE 4"	TEMPORAR PAVEMENT MARKING REMOVAL
									WHITE	YELLOW	
				FOOT	FÖÖT	SQ FT	FOOT	FOOT	FOOT	FOOT	SQ FT
214+01.25	STOP BAR	RT	13					26.0			52.0
221+58.75	STOP BAR	LT	13					26.0			52.0
215+00.00	220+50.00	CL	-		56.0	18.7					
214+00.25	216+19.89	ĊL	-	60.0		25.0					
219+32.88	221+58.75	CL	-	60.0		25.0					
\$T	AGEI										
214+55.75	221+48.75	LT	-				695.9				231.9
215+36.00	220+16.06	RT	480	431.9		180.1	435.4				144.1
\$T/	AGE II										
214+20.00	220+77.75	RT	-				659.6				219.6
215+69.75	220+84.25	LT					415.0				165.9
215+28.25	217+13.25	LT	185	143.5		59.8					
218+40.75	220+25.75	LT	185	143.5		59.8					
AFTER	STAGES										
215+00.00	220+50.00	RT	550.00						550.0		
215+00.00	220+50.00	CL	550.00							140.0	
215+00.00	220+50.00	LT	550.00						550.0		
			TOTALS	838.9	56.0	368.4	2205.9	52.0	1100.0	140.0	865.5

	AIL AGGRE		
			Z0001002
			GUARDRAIL
STATION	STATION	LT / RT	AGGREGATE
STATION	STATION		EROSION
			CONTROL
			TON
215+42.70	217+29.25	RT	49.8
215+83.50	217+29.25	LT	37.7
218+24.75	219+31.87	LT	41.1
218+24.75	219+73.75	RT	40.5
		TOTAL	169.1

	STONE R	IPRAP	SCHEDULE	
			28100107	28200200
STATION	STATION	LT/RT	STONE RIPRAP CLASS A4	FILTER FABRIC
			SQ YD	SQ YD
217+29.25	217+61.41	RT	106.7	106.7
217+89.40	218+24.75	RT	117.8	117.8
BRIDGE PLA	N QUANTITY		-	730.0
		TOTAL	224.5	954.5

The Upchurch Group	USER NAME = Sta34	DESIGNED -	REVISED -			SUPER			NTITIES		F.A.P.	SECTION	COUNTY	TOTAL SHEET
architects engineers surveyors	TUG PROJECT NO. 3119049-01	DRAWN - LP/RMH	REVISED -	STATE OF ILLINOIS		ILLINOIS ROUT					619	(120BR)BRR	PUTNAM	64 15
Professional Design 123 North 15th Street Firm Corporation Mattoon, IL 61938	PLOT SCALE = 2.0000 '/ in.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION		ILLINUIS RUU		UVER	CUFFEE CRI				CONTRAC	CT NO. 68741
∑ License No. 184-003401 Phone: 217.235.3177 e-mail: upchurchgroup@upchurchgroup.com	PLOT DATE = 5/28/2020 8:39:30 AM	DATE -	REVISED -		SCALE:	SHEET NO. OF	: SH	HEETS	STA.	TO STA.	FED. ROAD	DIST. NO. 4 ILLINOIS FED	. AID PROJECT	

FURNISH RIGHT (
			66600105
LOCAT	TION		FURNISHING AND ERECTING RIGHT OF WAY MARKERS
STATION	OFFSET	LT/RT	EACH
215+00	40	LT	1
215+50	50	LT	1
217+90	50	LT	1
217+90	40	LT	1
218+10	40	LT	1
218+10	50	LT	1
218+90	50	LT	1
219+30	40	LT	1
		TOTAL	8

TEMPORARY DITCH CHECKS

		28000305
LOCA	TION	TEMPORARY DITCH CHECKS
STATION	OFFSET	FOOT
215+57	50.5 RT	8
216+57	52.3 RT	8
217+21	54.8 RT	8
218+33	46.5 RT	8
219+75	37.0 RT	8
216+20	42.4 LT	8
217+20	37.2 LT	8
218+34	33.5 LT	8
220+50	32.0 LT	8
	TOTALS	72

	ENT	FRANCE	SCHEDULE	
			40200800	48203029
STATION	LT / RT	TOTAL AREA	AGGREGATE SURFACE COURSE TYPE B	HMA Shoulders, 8"
		SQ YD	TON	SQ YD
214+88	RT	113	54.7	71.1
219+43	LT	43	19.2	0.0
		TOTAL	73.9	71.1

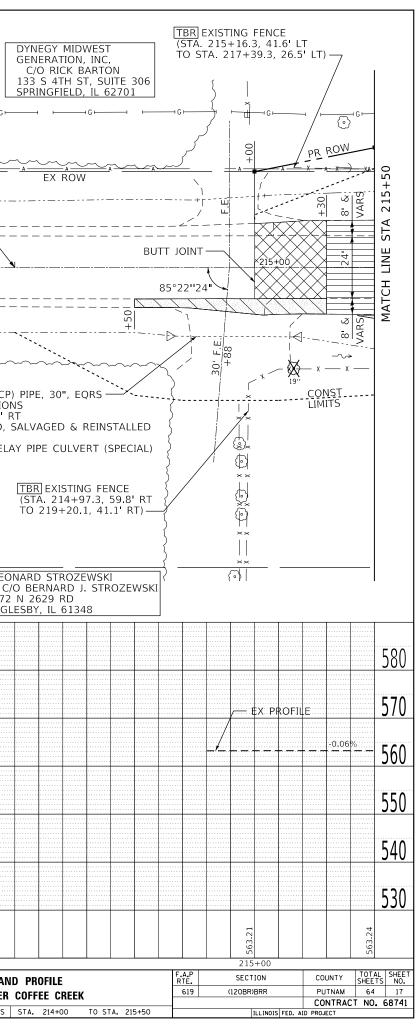
			GU.	ARDRAIL SCI	HEDULE			
			63000001	63100087	63100167	63100169	72501000	78200005
	LOCATION		STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FT POSTS	TRAFFIC BARRIER TERMINAL, TYPE 6A	TRAFFIC BARRIER TERMINAL, TYPE 1, SPECIAL (TANGENT)	TRAFFIC BARRIER TERMINAL, TYPE 1, SPECIAL (FLARED)	TERMINAL MARKER - DIRECT APPLIED	GUARDRAIL REFLECTORS, TYPE A
STATION	TO STATION	LT / RT	FOOT	EACH	EACH	EACH	EACH	EACH
ST/	AGEI							
216+30.50	216+80.50	RT	50.00					
218+73.50	218+86.00	RT	12.50					
216+80.50	217+24.25	RT		1				
218+29.75	218+73.50	RT		1				
215+80.50	216+30.50	RT			1			
218+86.00	219+36.00	RT			1			
215+80.50	219+36.00	RT					2	4
STA	GE II							
216+68.00	216+80.50	LT	12.50					
216+80.50	217+24.25	LT		1				
218+29.75	218+73.50	LT		1				
216+18.00	216+68.00	LT			1			
218+73.50	219+23.50	LT				1		
216+18.00	219+23.50	LT					2	4
		TOTALS	75	4	3	1	4	8

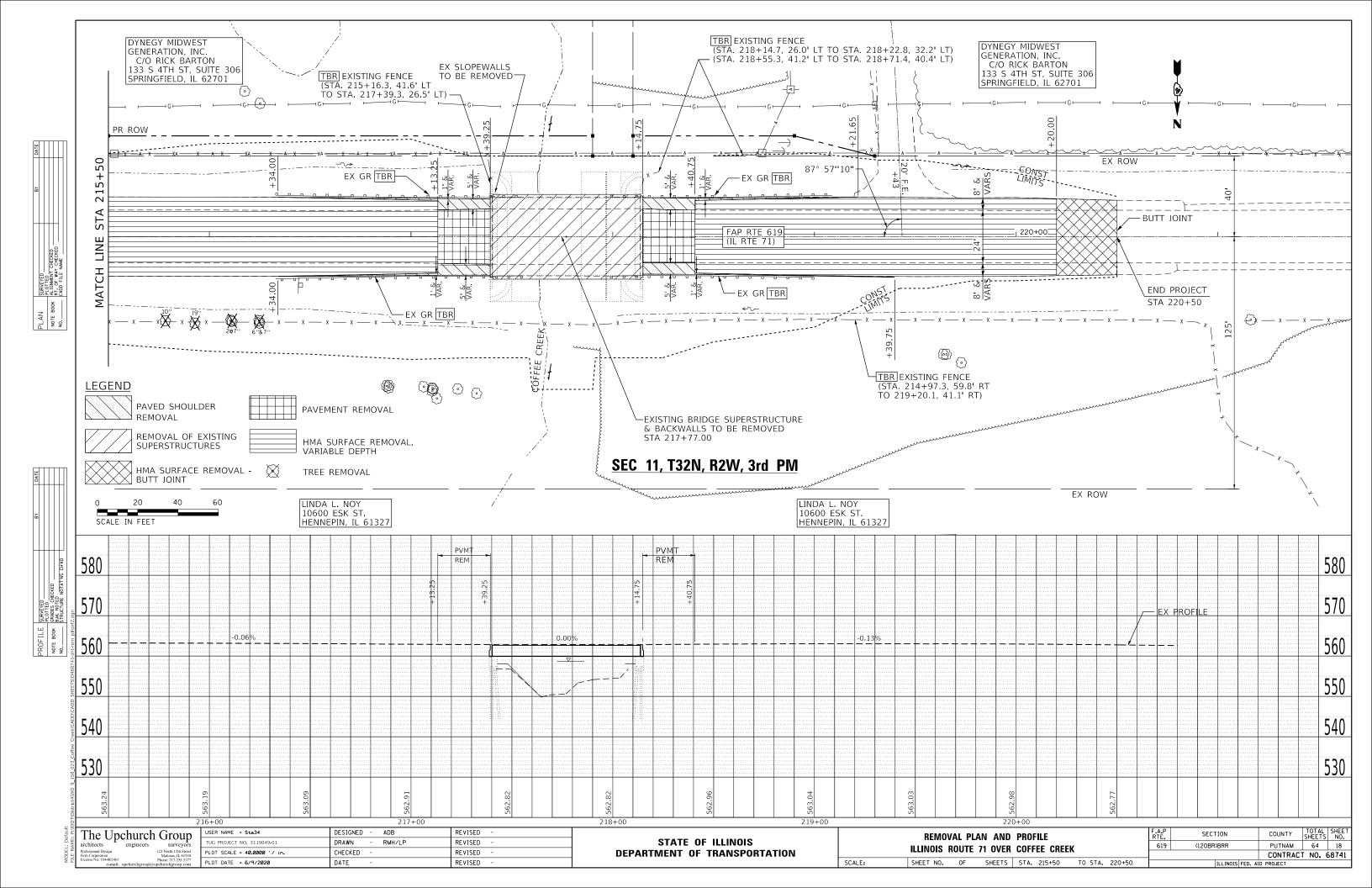
TE	MPORARY	Y CONCF	RETE BARRI	ER SCHEDU	LE
			70400100	70400200	X7040125
	LOCATION		TEMPORARY CONCRETE BARRIER	RELOCATE TEMPORARY CONCRETE BARRIER	PINNING TEMPORARY CONCRETE BARRIER
STATION T	O STATION	LT / RT	FOOT	FOOT	EACH
STA	GEI				
215+70.75	219+83.25	LT	412.5		18
STA	GE II				
215+70.75	219+83.25	RT		412.5	18
		TOTALS	412.5	412.5	36

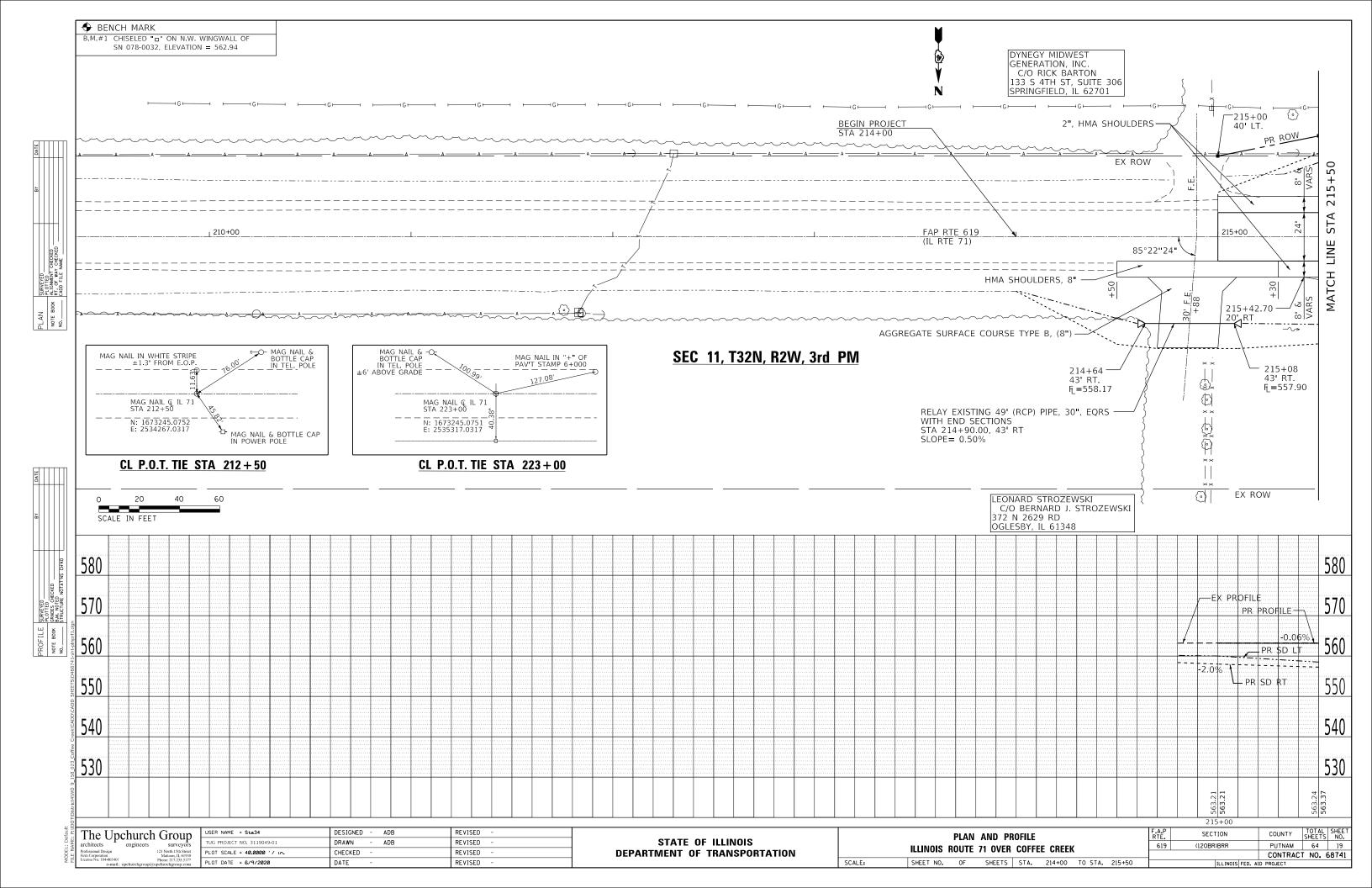
fault P:\I[The Upchurch Group	USER NAME = Sta34	DESIGNED -	REVISED -			SCHEDUL	
. De AME:	architects engineers surveyors	TUG PROJECT NO. 3119049-01	DRAWN - LP/RMH	REVISED -	STATE OF ILLINOIS			
DDEL E NJ	Professional Design 123 North 15th Street Firm Corporation Mattoon, IL 61938	PLOT SCALE = 2.0000 1/ In.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION		ILLINOIS ROUTE	71 OVER
M	License No. 184-003401 Phone: 217.235.3177 e-mail: upchurchgroup@upchurchgroup.com	PLOT DATE = 5/28/2020 8:39:59 AM	DATE -	REVISED -		SCALE:	SHEET NO. OF	SHEETS

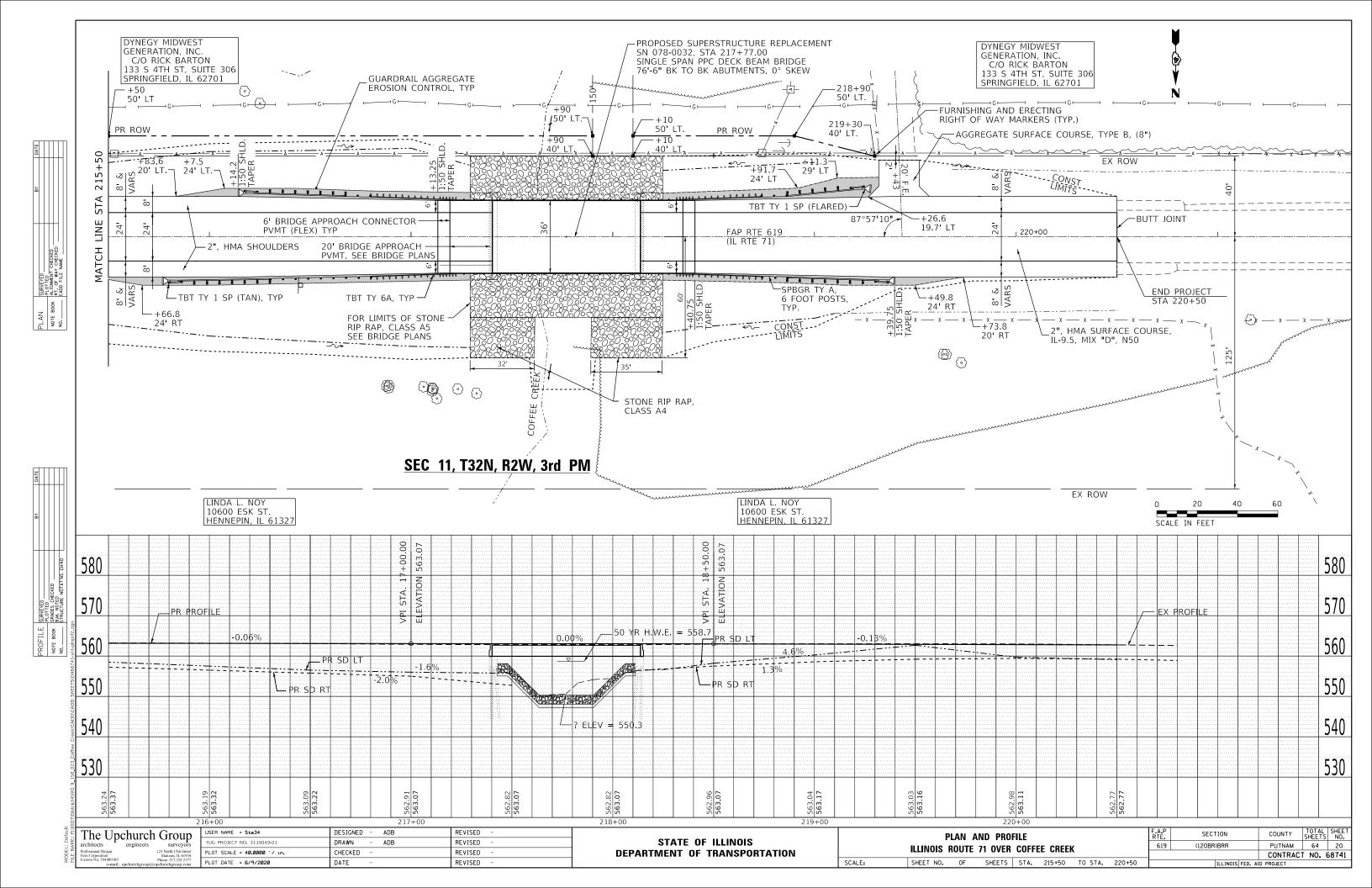
l	JANTITIES		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
R	COFFEE (CREEK	619	(120BR)BRR	PUTNAM	64	16
					CONTRAC	T NO. 6	58741
	STA.	TO STA.	FED. RC	DAD DIST. NO. 4 ILLINOIS FED. A	D PROJECT		

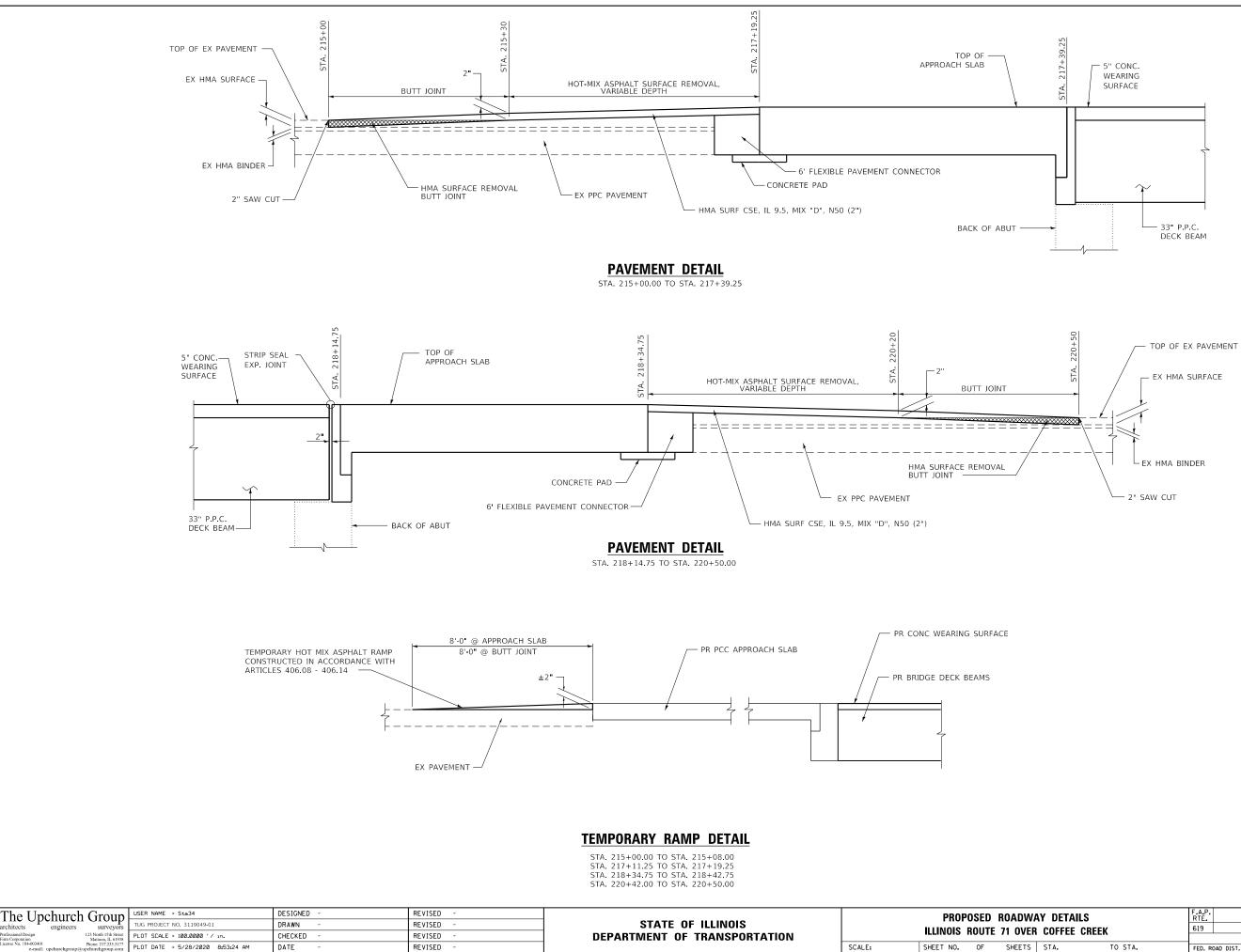
The architects Professional Des	losion		urcl ineers	123 Not	th 15th St	oot	TUG F Plot	ROJECT	NO. 3 = 40.	119049	′ / 1n.				DESIG DRAWI CHECK DATE	I ED	- RI -		,		RI RI	EVISED EVISED EVISED EVISED) -					-		DE	PAF					LINOI ANSP		ΑΤΙΟ	DN			SCA				RE LINOIS		JTE 71
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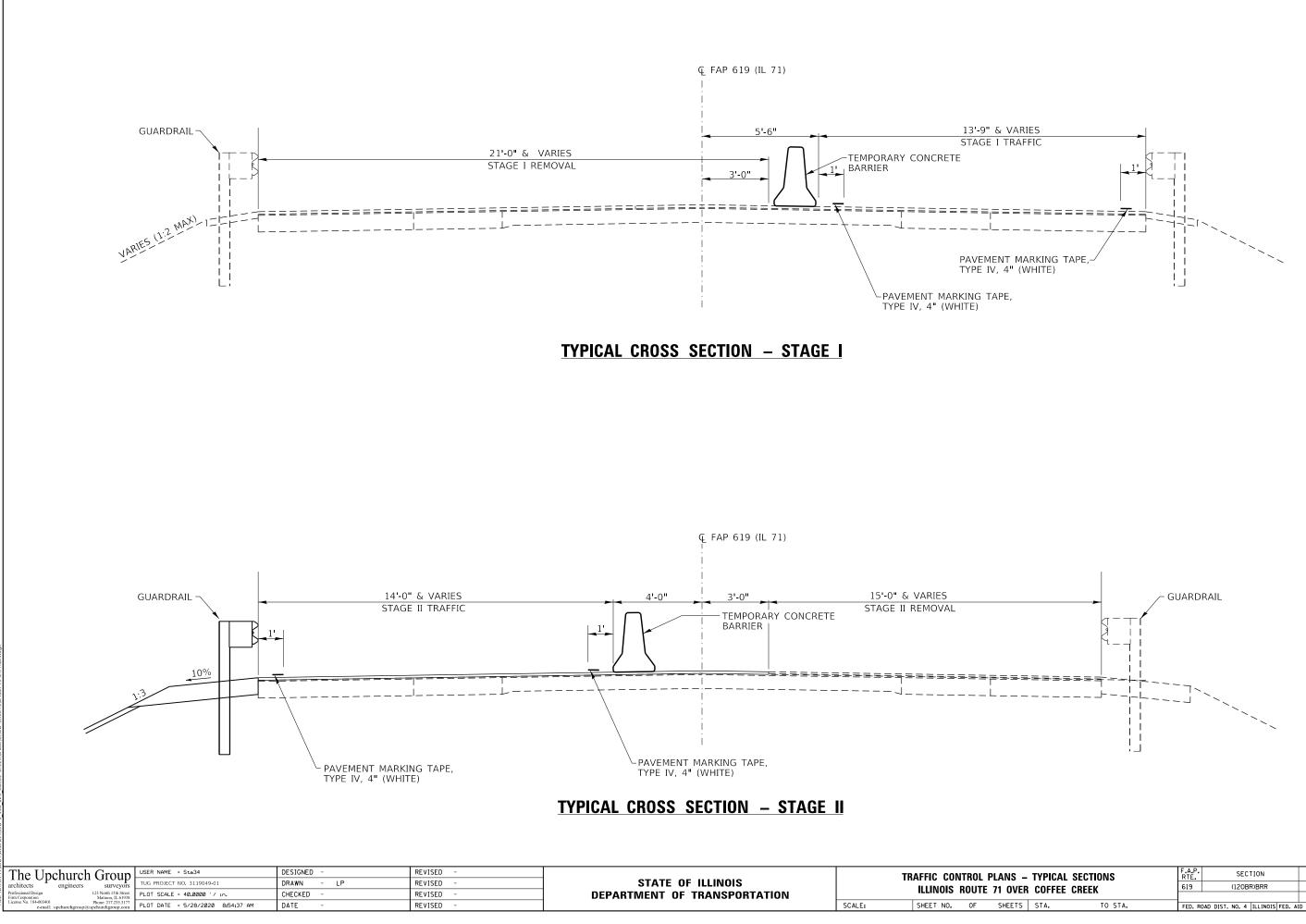






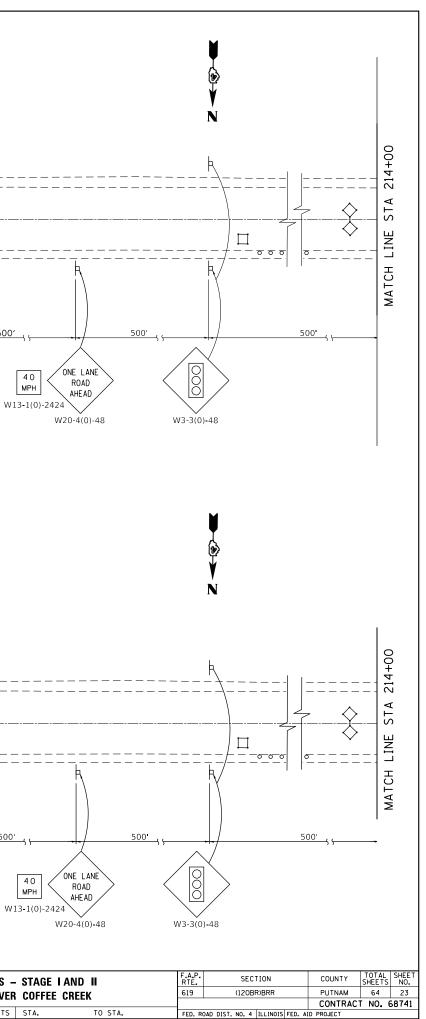


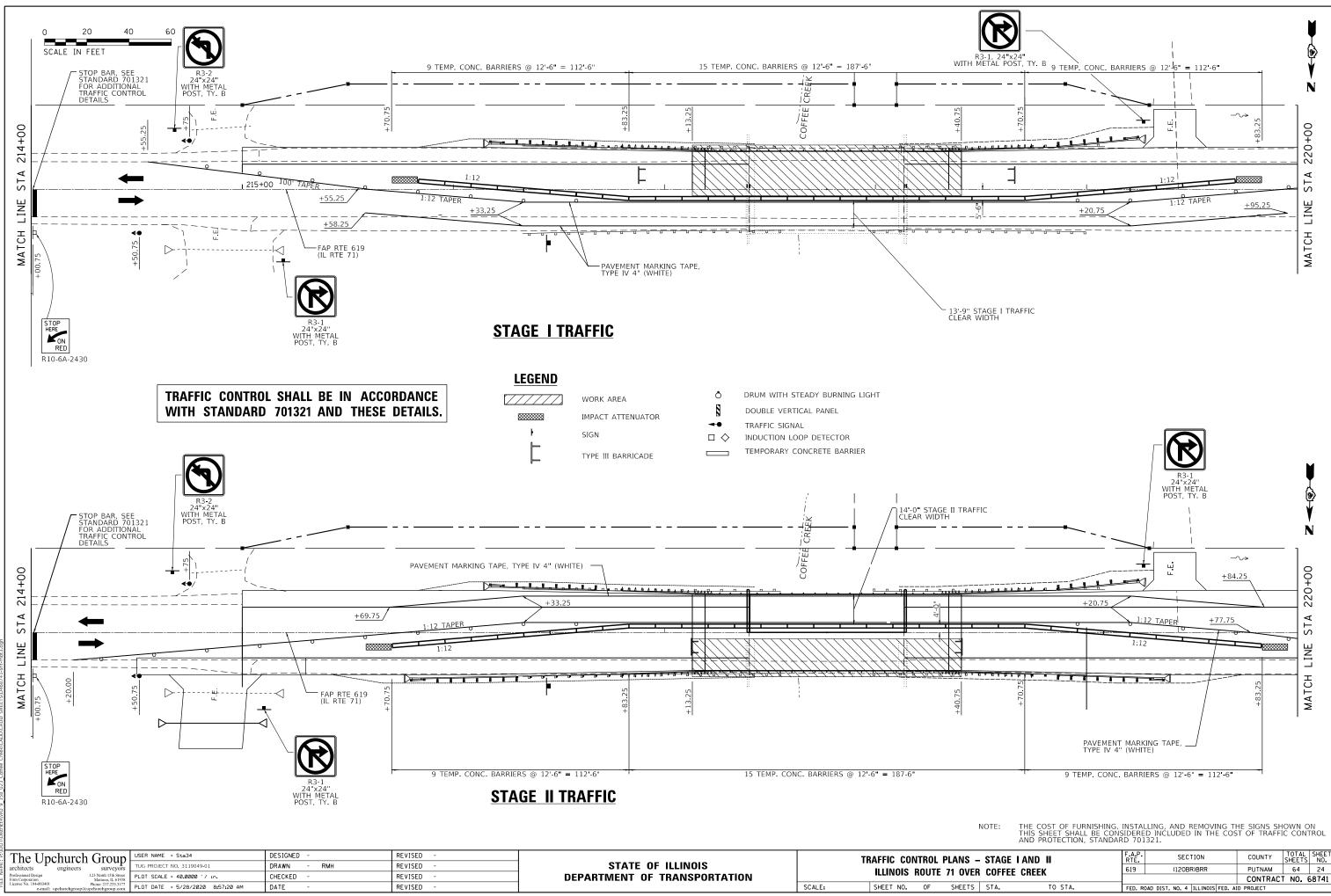
VA	Y DETA	ILS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FR	COFFEE	CREEK	619	(120BR)BRR	PUTNAM	64	21
	UUTTEE	UNEEN			CONTRAC	T NO. 6	58741
S	STA.	TO STA.	FED. RC	AD DIST. NO. 4 ILLINOIS FED. A	D PROJECT		



_	TYPICAL	SECTIONS	F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FR	COFFEE	CREEK	619	(120BR)BRR	PUTNAM	64	22
		ONEER	_		CONTRAC	T NO. 6	58741
s	STA.	TO STA.	FED. F	ROAD DIST. NO. 4 ILLINOIS FED. A	ID PROJECT		

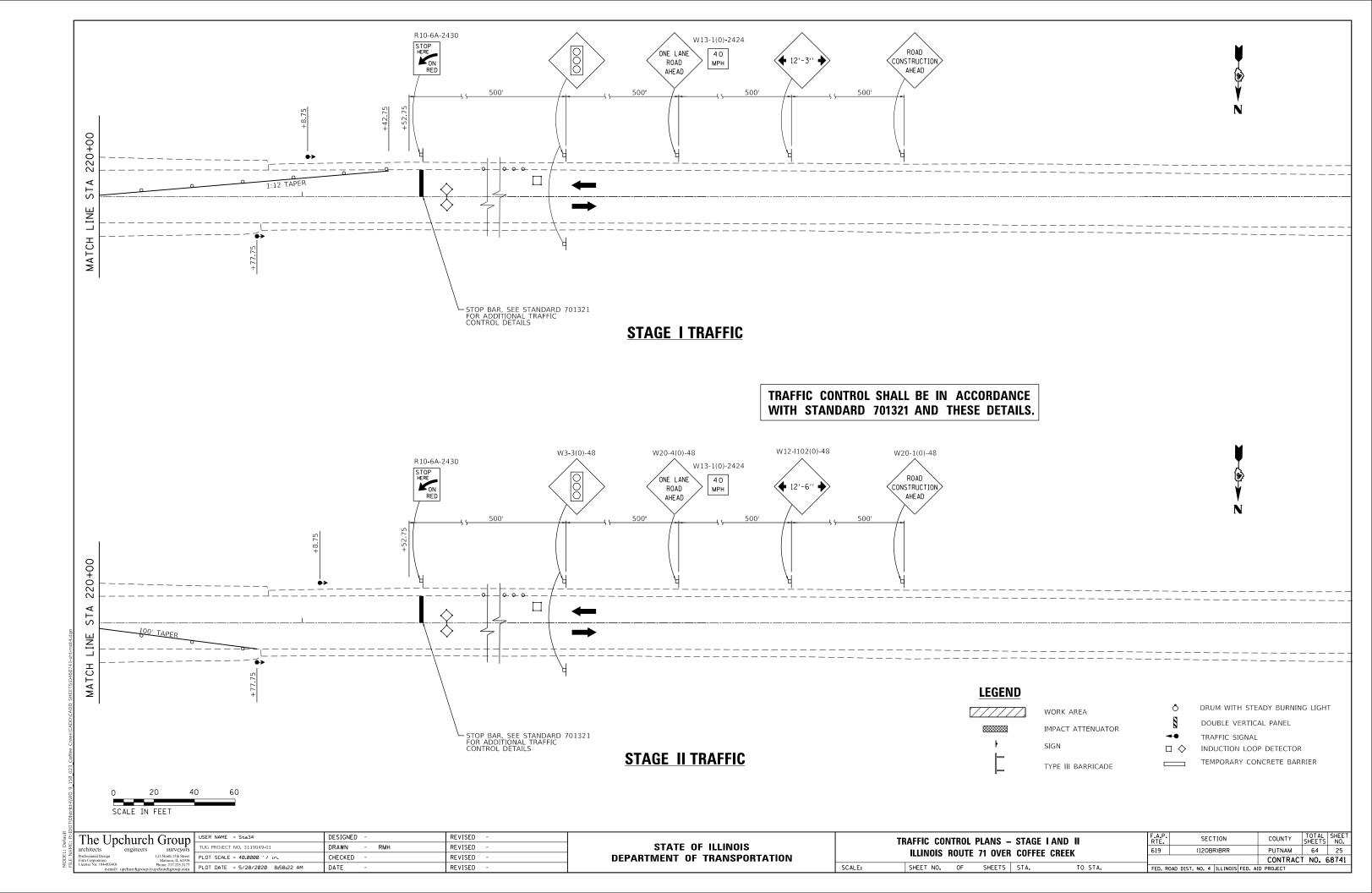
20 40 60 0 SCALE IN FEET 11 ||| ||| || 500′ 500' || || || || ROAD CONSTRUCTION AHEAD / STAGE I TRAFFIC 🗲 12'-3 W20-1(0)-48 W12-I102(0)-48 / / 11 TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH STANDARD 701321 AND THESE DETAILS. 500' 500' LEGEND DRUM WITH STEADY BURNING LIGHT ROAD CONSTRUCTION AHEAD റ WORK AREA **STAGE II TRAFFIC** DOUBLE VERTICAL PANEL IMPACT ATTENUATOR --TRAFFIC SIGNAL ŀ SIGN  $\Box$   $\diamond$ INDUCTION LOOP DETECTOR W20-1(0)-48 W12-I102(0)-48 TEMPORARY CONCRETE BARRIER TYPE III BARRICADE DESIGNED -REVISED The Upchurch Group USER NAME = Sta34 TRAFFIC CONTROL PLANS - STAGE I AND II STATE OF ILLINOIS DRAWN - LP TUG PROJECT NO. 3119049-01 REVISED ILLINOIS ROUTE 71 OVER COFFEE CREEK DEPARTMENT OF TRANSPORTATION PLOT SCALE = 40.0000 '/ in. CHECKED REVISED PLOT DATE = 5/28/2020 8:56:28 AM DATE REVISED SCALE: SHEET NO. OF SHEETS STA.

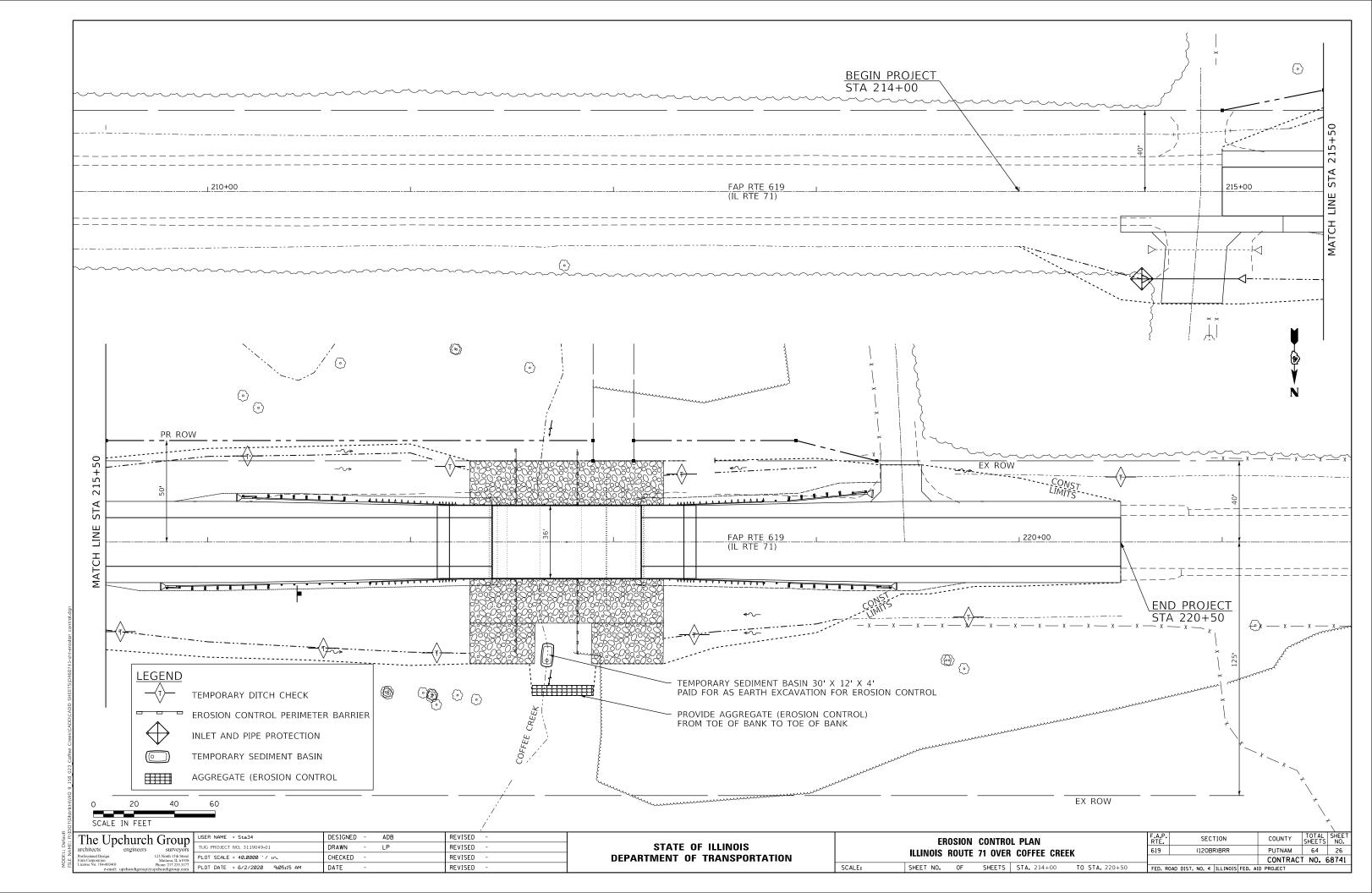


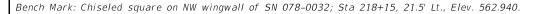


NOTE.	THIS SHEET SHALL BE CONSIDERED INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION. STANDARD 701321.
	AND PROTECTION, STANDARD 701521.

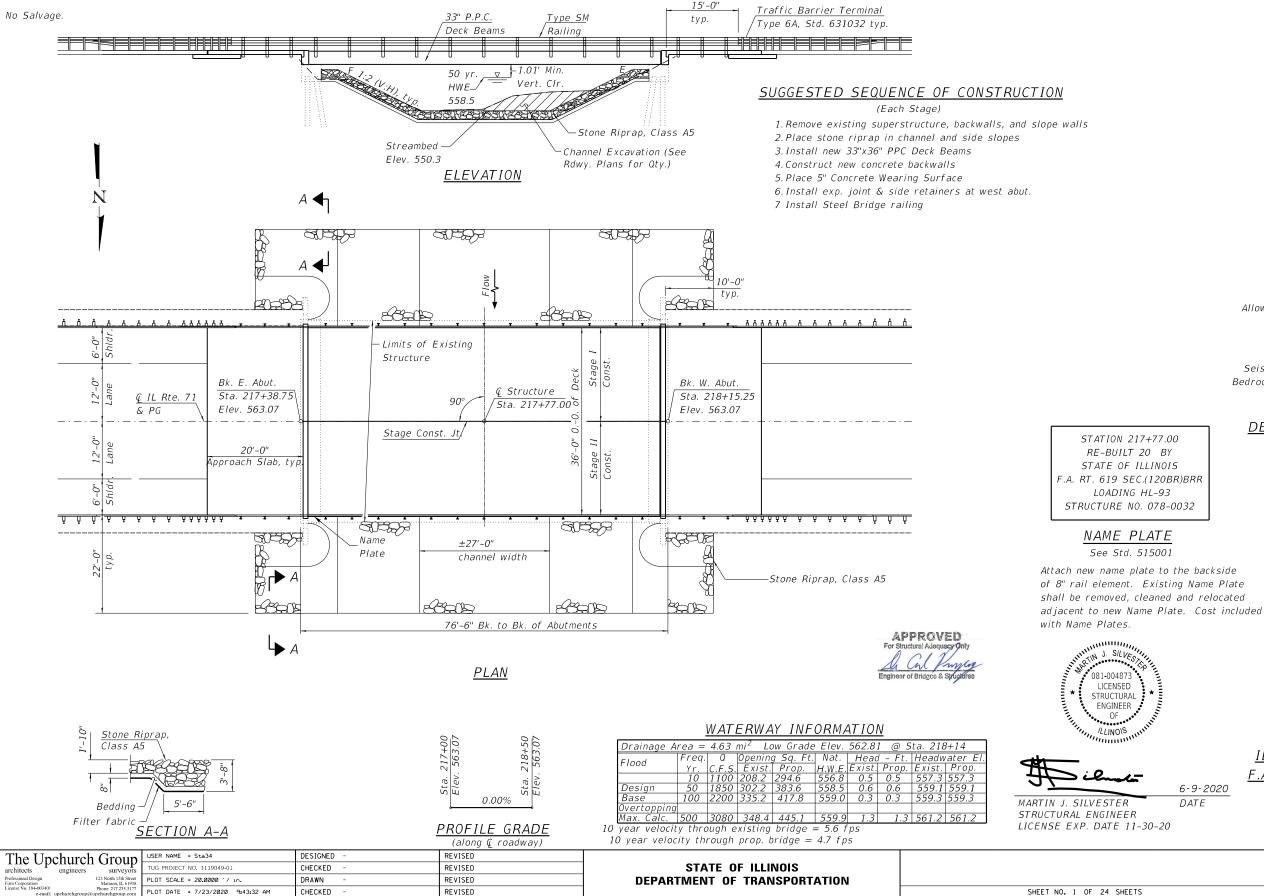
_							
_	STAGE I	AND II	F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FR	COFFEE	CREEK	619	(120BR)BRR	PUTNAM	64	24
	UUTTEE	SHEEK			CONTRACT	Γ NO. 6	58741
5	STA.	TO STA.	FED. RO	DAD DIST. NO. 4 ILLINOIS FED. AI	D PROJECT		







Existing Structure: Existing structure S.N. 078-0032 built in 1977 as F.A. Route 619, Section 120BR at Station 217+77.00. A single span P.P.C. deck beam bridge 76'-6" back-to-back abutments and 42'-0" out-to-out width, with pile bent abutments. The existing superstructure is to be removed and replaced with PPC deck beams. Traffic will be maintained utilizing Stage Construction.



### DESIGN SPECIFICATIONS (NEW CONSTRUCTION)

2013 AASHTO LRFD Bridge Design Specifications, 6th Edition

#### DESIGN STRESSES FIELD UNITS (NEW CONSTRUCTION)

f'c = 3.500 psif'c = 5,000 psi (Concrete Wearing Surface & Approach Slab) = 60,000 psi (Reinforcement)

### PRECAST PRESTRESSED UNITS

- f'c = 6,000 psi
- f'ci = 5,000 psi
- $f's = 270,000 \text{ psi} (\frac{1}{2})^{"} \phi \text{ low lax. strands}$  $fsi = 201,960 \text{ psi} (\frac{1}{2})^{"} \phi \text{ low lax. strands}$  $f_{V} = 60,000 \text{ psi} (Reinforcement)$

## LOADING HL-93

Allow 50#/sq. ft. for future wearing surface.

### SEISMIC DATA (EXISTING CONSTRUCTION)

Seismic Performance Category (SPC) = A Bedrock Acceleration Coefficient (A) = 0.037gSite Coefficient (S) = 1.5

# DESIGN SCOUR ELEVATION TABLE

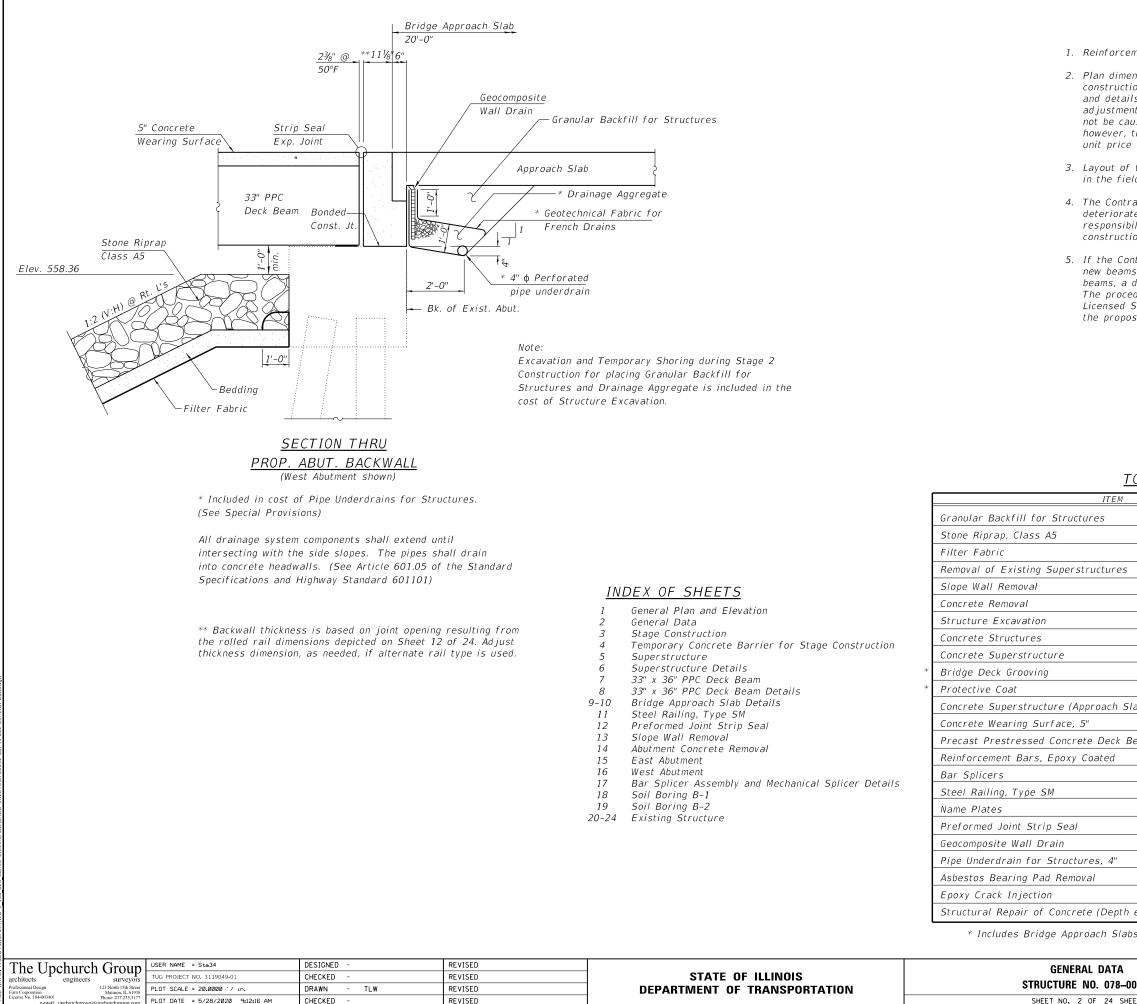
Design Scour	W. Abut.	E. Abut.
Elevation (ft.)	555.86	555.83

GENERAL PLAN & ELEVATION IL RTE. 71 OVER COFFEE CREEK F.A.P. RTE. 619 - SEC. (120BR)BRR PUTNAM COUNTY STATION 217+77.00 STRUCTURE NO. 078-0032

	F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	619	(120BR)BRR	PUTNAM	64	27
			CONTRACT	T NO. 6	58741
24 SHEETS		ILLINOIS FED. A	ID PROJECT		

Range 2W, 3rd P.M





SHEET NO. 2 OF 2

# GENERAL NOTES

1. Reinforcement bars designated (E) shall be epoxy coated.

2. 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 for the work.

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

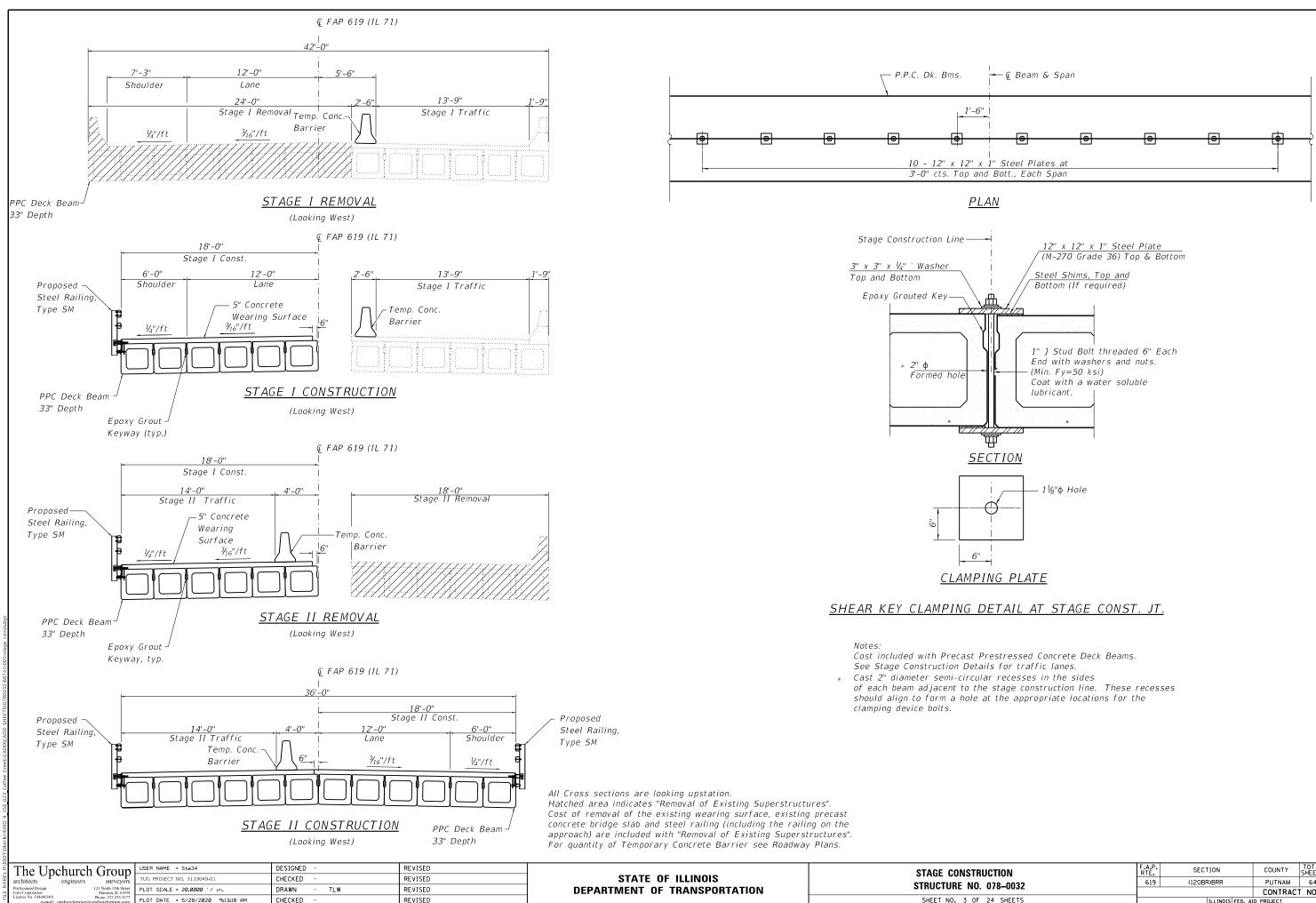
4. The Contractor is advised that the existing P.P.C. Deck Beams are in a deteriorated condition with reduced load carrying capacity. It is the Contractor's responsibility to account for the condition of the beams when developing construction procedures for removing and replacement of the superstructure.

5. If the Contractor's procedure for existing beam removal or placement of new beams involves placement of heavy equipment on new beams, a detailed procedure shall be submitted to the Engineer for approval. The procedure shall include calculations prepared and sealed by an Illinois Licensed Structural Engineer verifying the structural adequacy of the beams for the proposed loads. Cost included with Removal of Existing Superstructure.

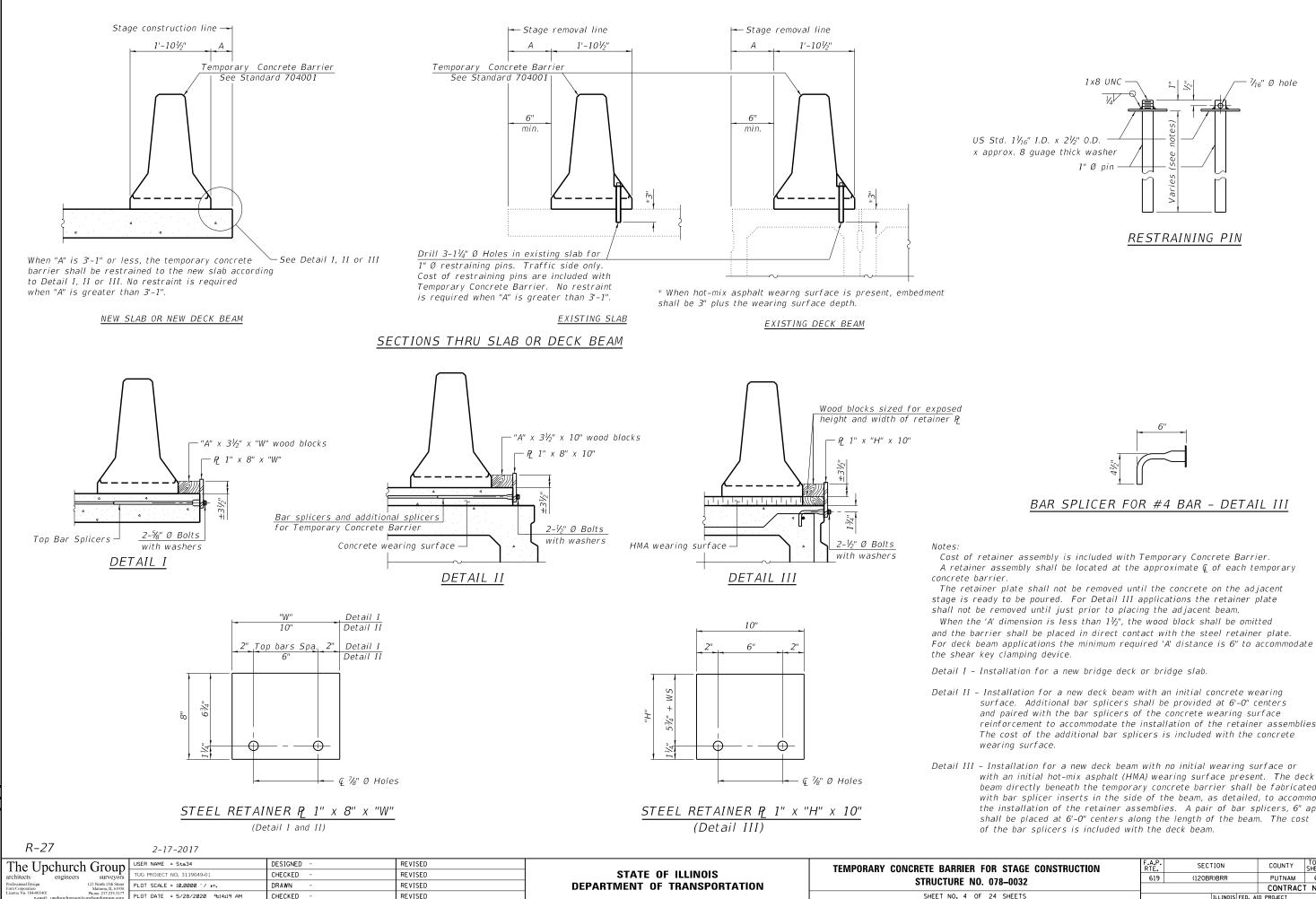
SUPER	SUB	TOTAL
	30	30
	730	730
	730	730
1		1
	382	382
	11.6	11.6
	22	22
	22.2	22.2
. 13		13
. 426		426
. 454		454
72.7		72.7
. 294		294
2642		2642
19610	5000	24610
170	96	266
211		211
1		1
36		36
	26	26
	120	120
	14	14
	14	14
	12	12
·		12

### TOTAL BILL OF MATERIAL

ATA 078–0032		SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		(120BR)BRR	PUTNAM	64	28
			CONTRAC	T NO. 6	58741
24 SHEETS		ILLINOIS FED. AI	D PROJECT		



JCTION 078–0032		SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		(120BR)BRR	PUTNAM	64	29
			CONTRAC	T NO. 6	58741
24 SHEETS		ILLINOIS FED. AI	D PROJECT		
ZH JHEETS		ILLINUIS FED. AI	D PROJECT		

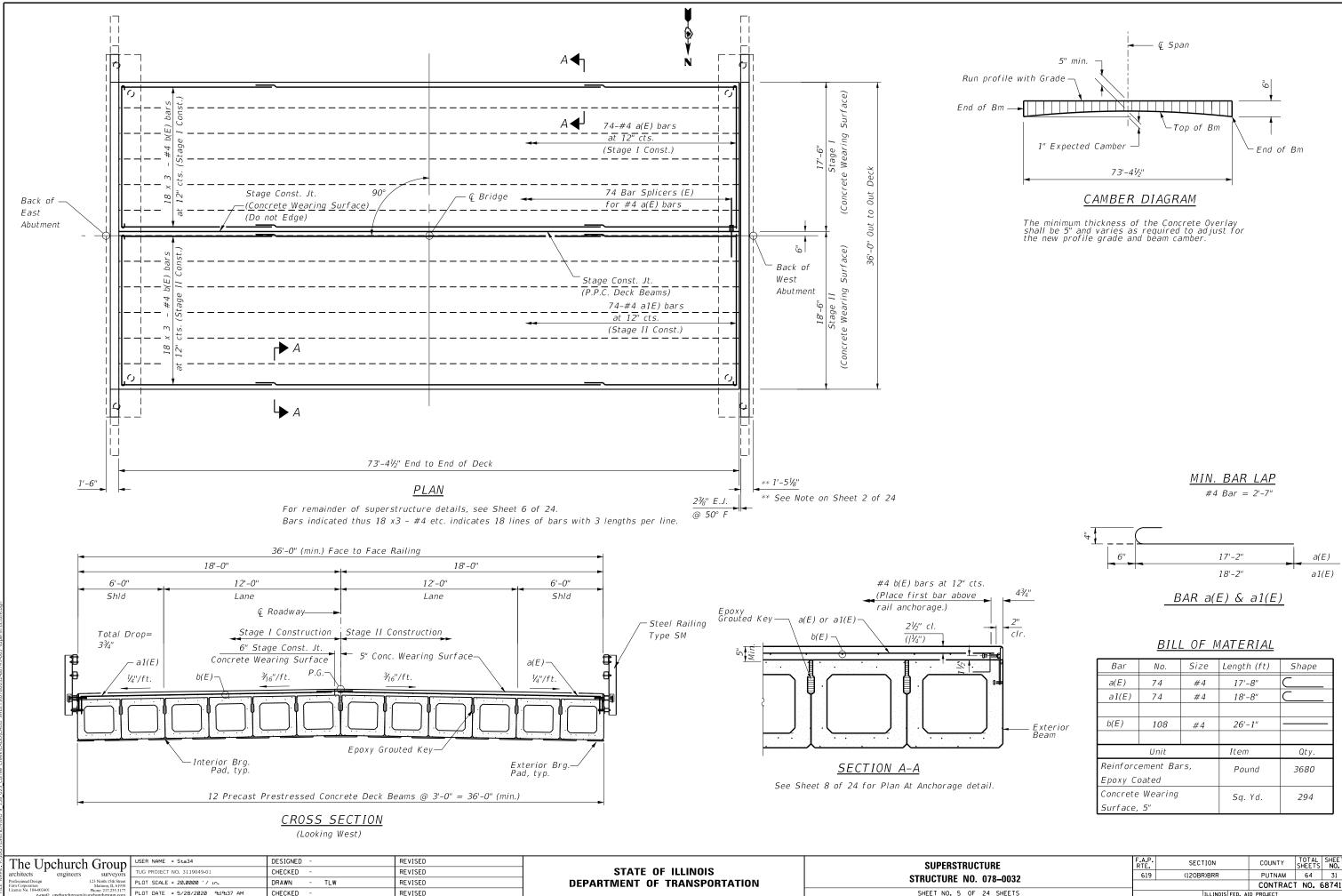


SHEET NO. 4 OF 2

reinforcement to accommodate the installation of the retainer assemblies.

beam directly beneath the temporary concrete barrier shall be fabricated with bar splicer inserts in the side of the beam, as detailed, to accommodate the installation of the retainer assemblies. A pair of bar splicers, 6" apart,

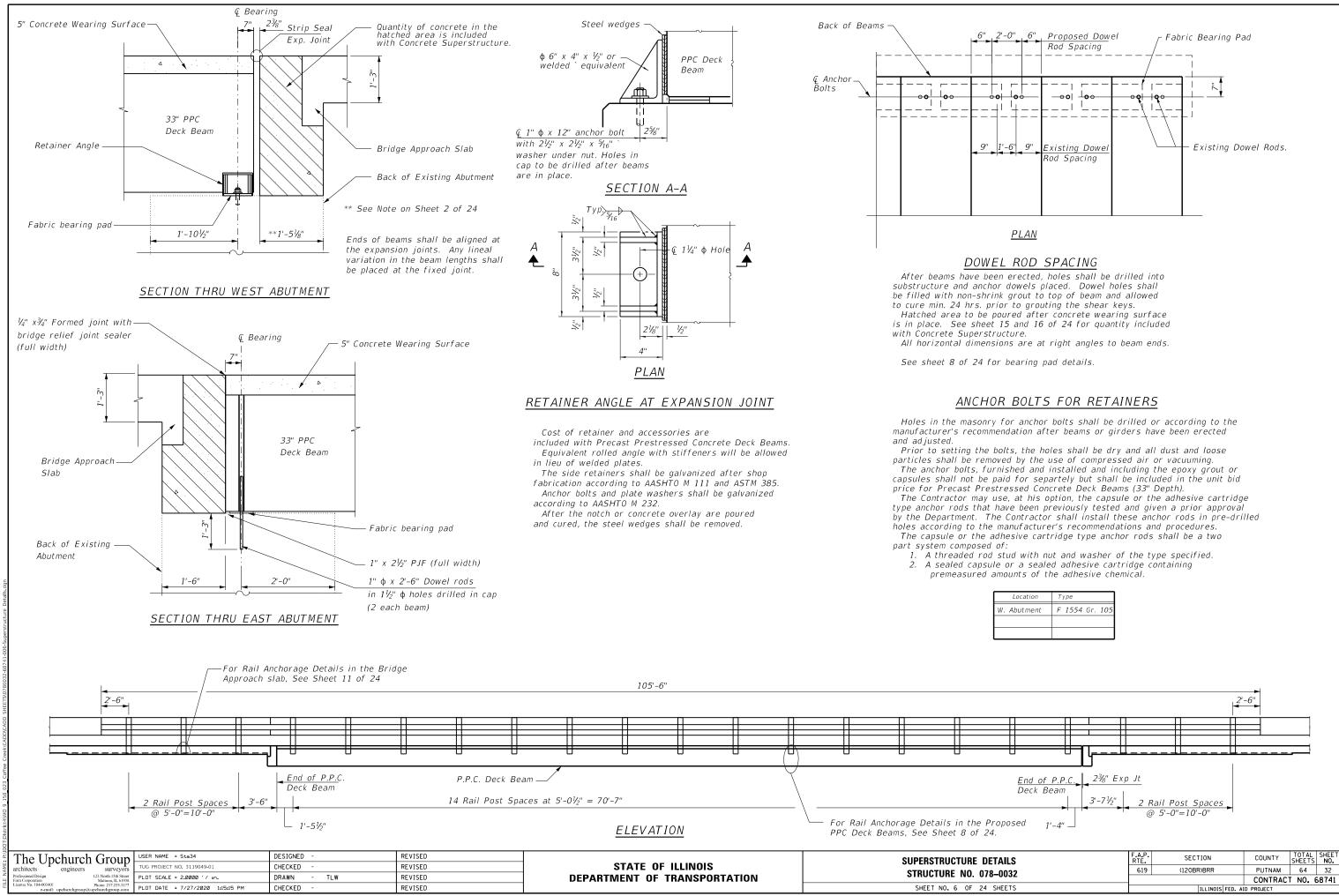
DR STAGE CONSTRUCTION 078–0032		SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		(120BR)BRR	PUTNAM	64	30
			CONTRAC	T NO. 6	58741
24 SHEETS		ILLINOIS FED. AI	D PROJECT		



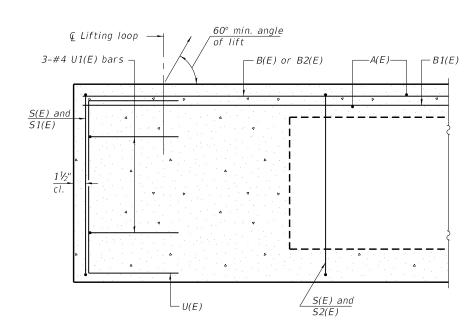
BILL	0F	MATERIAL

Bar	No.	Size	Length (ft)	Shape
a(E)	74	#4	17'-8"	$\frown$
a1(E)	74	#4	18'-8''	$\frown$
b(E)	108	#4	26'-1"	
Unit			Item	Qty.
Reinforcement Bars,			Pound	3680
Epoxy Coated				
Concrete Wearing			Sq. Yd.	294
Surface,	5"		,	

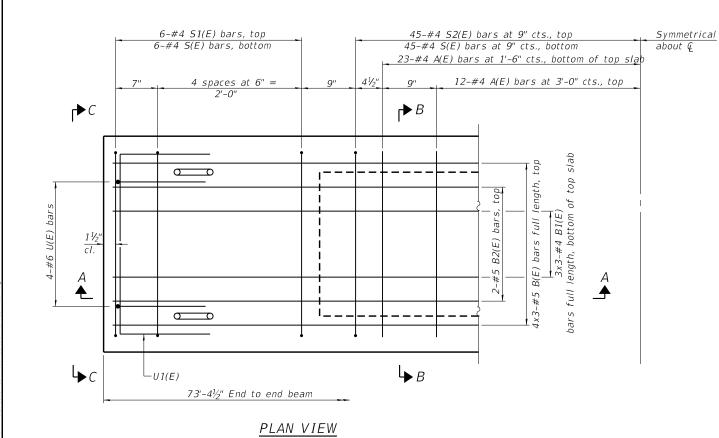
TURE 078–0032		SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		(120BR)BRR	PUTNAM	64	31
			CONTRACT	T NO. 6	58741
24 SHEETS	ILLINOIS FED. AID PROJECT				



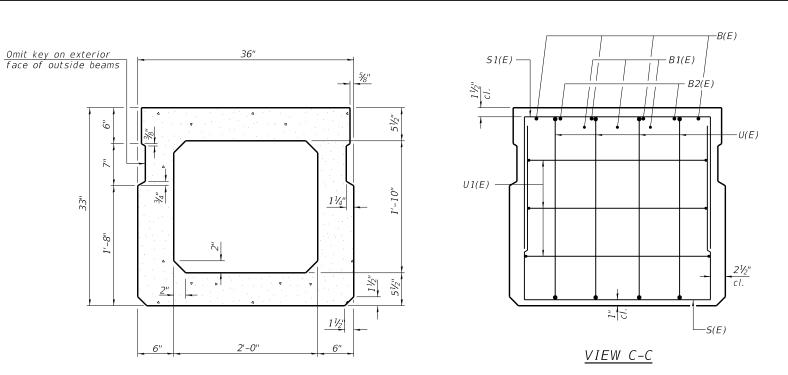
Location	Туре
W. Abutment	F 1554 Gr. 105



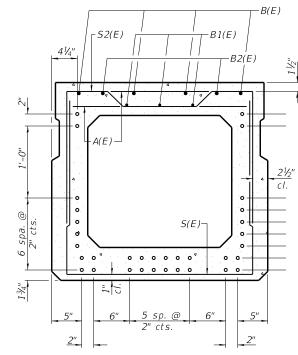
# SECTION A-A



Note: Spacing of S(E) and S2(E) bars may be adjusted up to 4" in the immediate area of the transverse tie diaphragms to miss the block outs for the transverse ties.



SECTION B-B (Showing dimensions)



# SECTION B-B

(Showing reinforcement and permissible strand locations)

Note: Place the number of strands specified in each row symmetrically about the centerline of beam in the permissible strand locations shown.

MINIMUM BAR LAP #4 bar = 1'-11''#5 bar = 2'-6"

#### PD-3336-0 2-17-2017

The Upchurch Group	DESIGNED -	REVISED		33" x 36" PPC DECK BEAM	F.A.P.	SECTION	COUNTY TOTAL SHEET
architects engineers surveyors TUG PROJECT NO. 3119049-01	CHECKED -	REVISED	STATE OF ILLINOIS	STRUCTURE NO. 078–0032	619	(120BR)BRR	PUTNAM 64 33
U         Professional Design         123 North 5th Street Mattore, IL Kolls         PLOT SCALE = 0.1667 '/ in.           U         F         PLOT SCALE = 0.1667 '/ in.         PLOT SCALE = 0.1667 '/ in.           U         F         Phone: 217.255.3177         PLOT DATE = 5/28/2020 9:23:59 AM	DRAWN - TLW CHECKED -	REVISED REVISED	DEPARTMENT OF TRANSPORTATION	SHEET NO. 7 OF 24 SHEETS			CONTRACT NO. 68741
e-mail: upchurchgroup@upchurchgroup.com	CHECKED -	REVISED		SHEEL NO. 1 OF 24 SHEETS	L	ILLINUIS FED. AI	D PROJECT



22 Strands Total

	E	BAR LI	<u>ST</u>
(	ONE	BEAM	ONLY
	(For	informat	ion only)

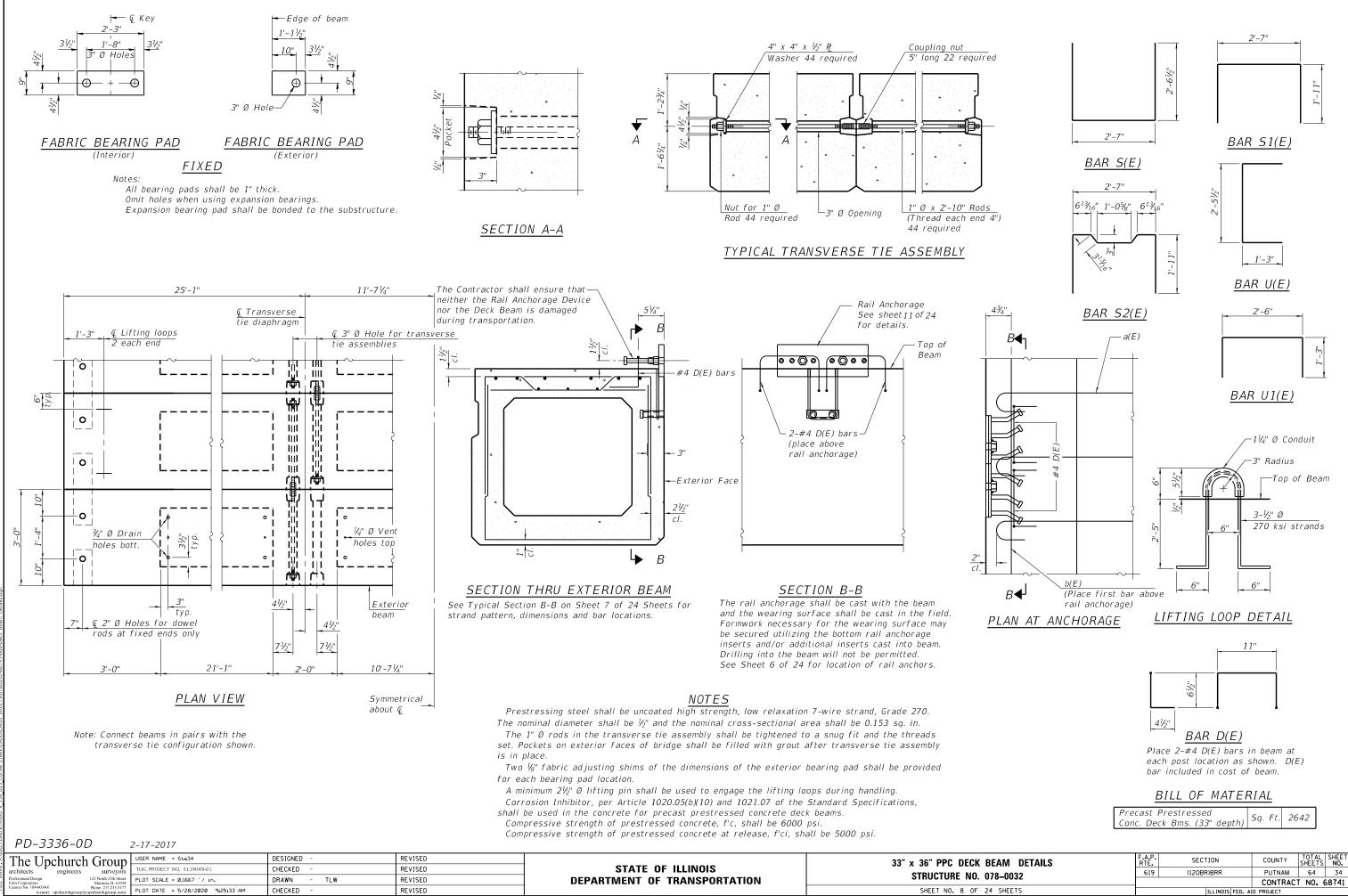
		<u> </u>	1 11	Chana
Bar	No.	Size	Length	Shape
A(E)	70	#4	2'-7"	
B(E)	12	#5	26'-0"	
B1(E)	9	#4	25'-8"	
B2(E)	4	#5	10'-0''	
D(E)	30	#4	2'-9"	Г
S(E)	102	#4	7'-8"	
S1(E)	12	#4	6'-5"	[
S2(E)	90	#4	6'-8"	[
U(E)	8	#6	5'-0"	
U1(E)	6	#4	5'-0"	

* Fascia beams only.

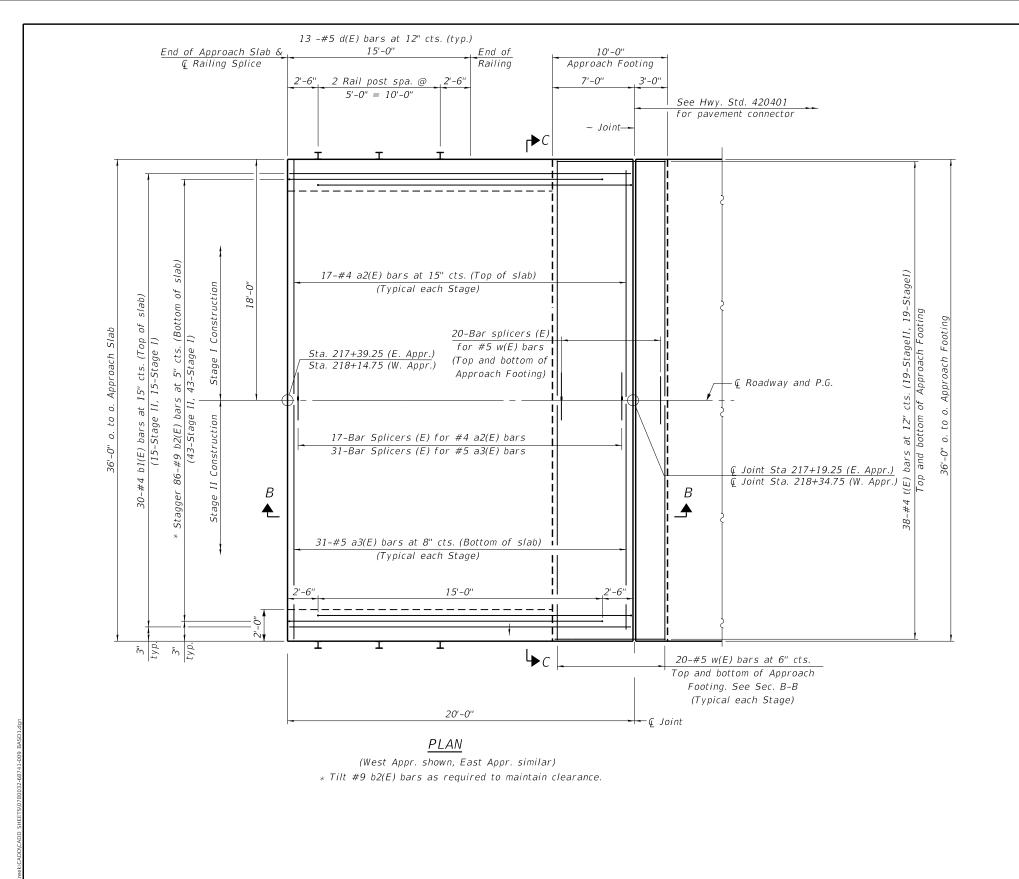
Note:

See sheet 8 of 24 for additional details and Bill of Material.

Bars indicated thus 4x3-#5 ect. indicates 4 lines of bars with 3 lengths per line.

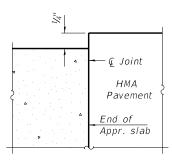


. 8		,				
ΡV	The Upchurch Group	USER NAME = Sta34	DESIGNED -	REVISED		33" x 36" PPC DECK BEA
AME	architects engineers surveyors	TUG PROJECT NO. 3119049-01	CHECKED -	REVISED	STATE OF ILLINOIS	
Z U	Professional Design 123 North 15th Street Firm Corporation Mattoon, IL 61938	PLOT SCALE = 0.1667 // in.	DRAWN - TLW	REVISED	DEPARTMENT OF TRANSPORTATION	STRUCTURE NO. 078-
Ē	License No. 184-003401 Phone: 217.235.3177 e-mail: upchurchgroup@upchurchgroup.com	PLOT DATE = 5/28/2020 9:25:33 AM	CHECKED -	REVISED		SHEET NO. 8 OF 24 S



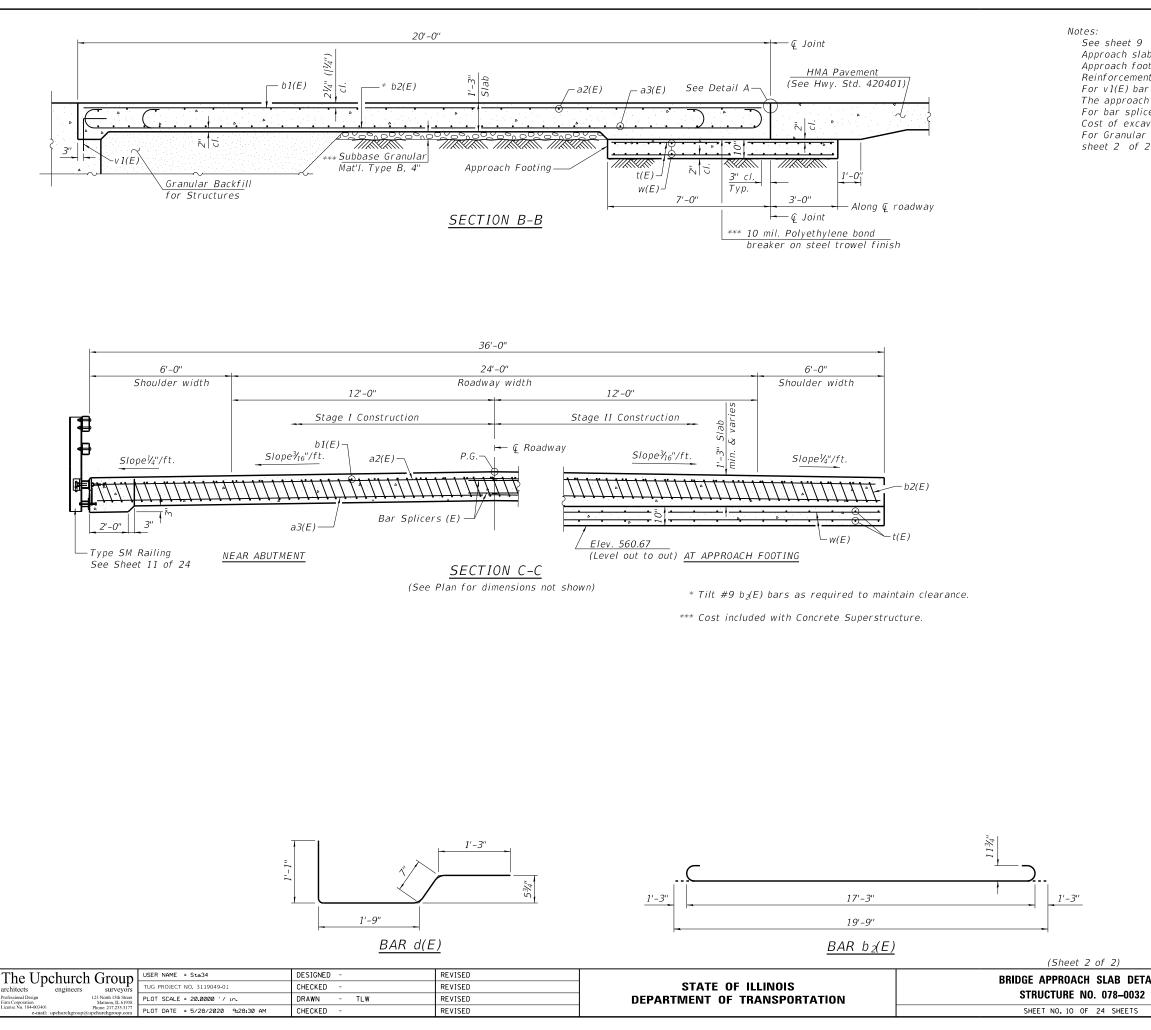
d/TOd						(Sheet 1 of 2)			
	ne Upchurch Group	USER NAME = Sta34	DESIGNED -	REVISED	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BRIDGE APPROACH SLAB DETAILS	F.A.P. RTF.	SECTION	COUNTY TOTAL SHEET
architects engineers	itects engineers surveyors	TUG PROJECT NO. 3119049-01	CHECKED -	REVISED		STRUCTURE NO. 078–0032	619 (	(120BR)BRR	PUTNAM 64 35
D Z Profes	sional Design         123 North 15th Street           orporation         Mattoon, IL 61938           e No. 184-003401         Phone: 217.235.3177	PLOT SCALE = 20.0000 '/ in.	DRAWN - TLW	REVISED		STRUCTURE NU. U/8-0032			CONTRACT NO. 68741
E License No.	e No. 184-003401 Phone: 217.235.3177 e-mail: upchurchgroup@upchurchgroup.com	PLOT DATE = 5/28/2020 9:27:19 AM	CHECKED -	REVISED		SHEET NO. 9 OF 24 SHEETS		ILLINOIS FED. AI	

Notes: See sheet 10 of 24 for Sections B-B & C-C. See sheet 11 of 24 for Railing Details.



FLEXIBLE PAVEMENT

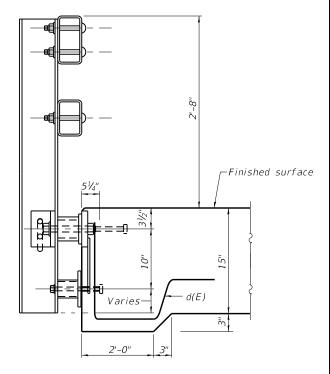
DETAIL A



See sheet 9 of 24 for Detail A. Approach slab shall be paid for as Concrete Superstructure (Approach Slab). Approach footing concrete shall be paid for as Concrete Structures. Reinforcement shall be paid for as Reinforcement Bars, Epoxy Coated. For v1(E) bar details, see sheet 16 of 24.

The approach footing maximum applied service bearing pressure (Qmax) = 2.0 ksf.For bar splicer details, see sheet 17 of 24.

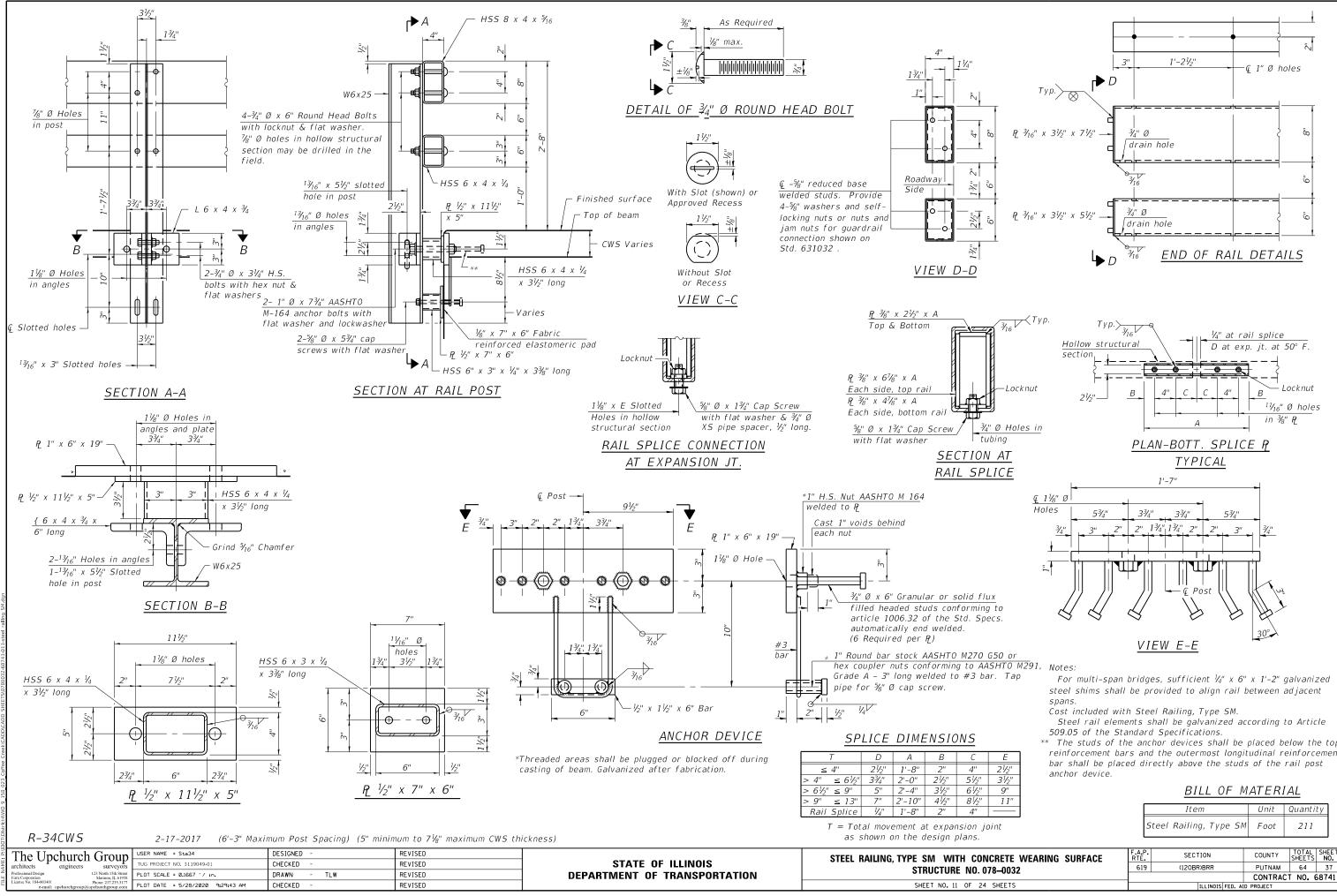
Cost of excavation for approach footing included with Concrete Structures. For Granular Backfill for Structures and drainage treatment details, see sheet 2 of 24.



# SECTION AT RAIL POST

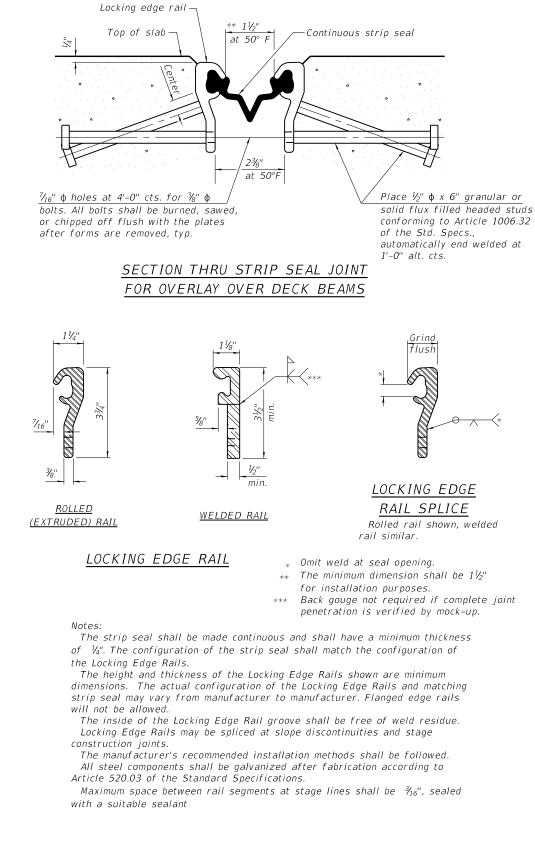
# BOTH APPROACH SLABS BILL OF MATERIAL

		ILLINOIS FED. AID PROJECT						
			CONTRA					
	619	(120BR)B	RR	PUTNAM		36		
AILS	F.A.P. RTE.	SECTIO	N	COUNTY	TOTAL SHEETS	SHEET NO.		
	Epoxy C	oated	Pound					
		Reinforcement Bars,			19610			
	Concrete	Structu	Cu.Yd.	22.2				
		Concrete Superstructure (Approach Slab)			72.7			
		100		17 0				
	w(E)	160	#5	17'-8"		-		
	t(E)	152	#4	9'-8''		-		
	d(E)	52	#5	4'-8"				
	D2(E)	172	#9	19-9	· · · · ·	4		
	b1(E) b2(E)	60 172	#4 #9	19'-8'' 19'-9''	-	-		
	h 1(F)	60		1.01 .011		_		
	a3(E)	124	#5	17'-8''		-		
	a2(E)	68	#4	17'-8''		-		
	Bar	Bar No. Size			Shape			



DILLOI M	ALLIN	AL
Item	Unit	Quantity
	-	
Steel Railing Type SM	Enot	211

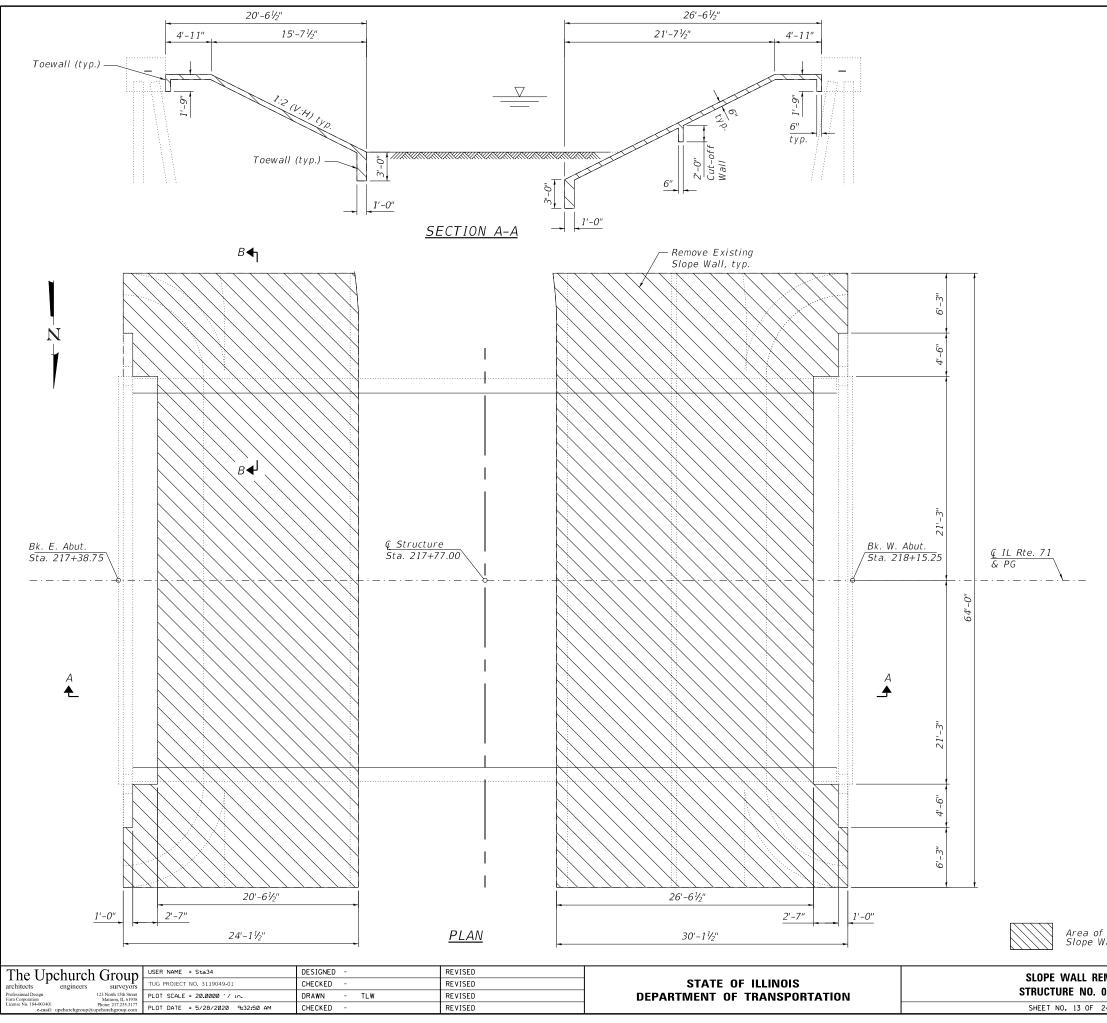
ONCRETE WEARING SURFACE	F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
. 078–0032	619	(120BR)BRR	PUTNAM	64	37
			CONTRAC	T NO. 6	58741
24 SHEETS	ILLINOIS FED. AID PROJECT				

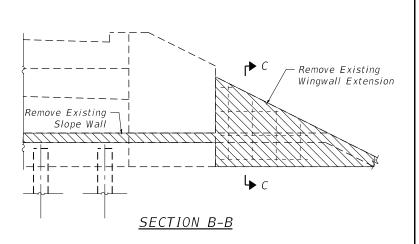


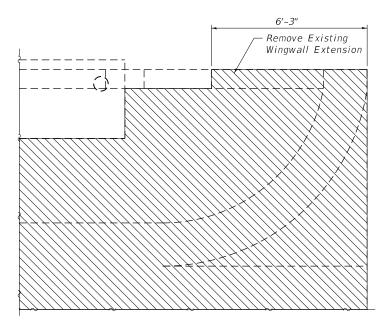
The Upchurch Group	DESIGNED -	REVISED		PREFORMED JOINT STRIP SEAL		SECTION	COUNTY TOTAL SHEET SHEETS NO.
architects engineers surveyors TUG PROJECT NO. 3119049-01	CHECKED -	REVISED	STATE OF ILLINOIS	STRUCTURE NO. 078–0032	619	(120BR)BRR	PUTNAM 64 38
Bit Depressional Design         123 North 15th Street         PLOT SCALE = 0.1667 '/ In.           Firm Corporation         Matteon, IL 61938         PLOT SCALE = 0.2067 '/ In.	DRAWN - TLW	REVISED	DEPARTMENT OF TRANSPORTATION				CONTRACT NO. 68741
e-mail: upchurchgroup@upchurchgroup.com PLUI DATE = 5/28/2020 9:30:44 AM	CHECKED -	REVISED		SHEET NO. 12 OF 24 SHEETS		ILLINOIS FED	D. AID PROJECT

# BILL OF MATERIAL

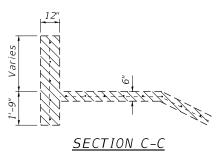
Item	Unit	Total
Preformed Joint Strip Seal	Foot	36







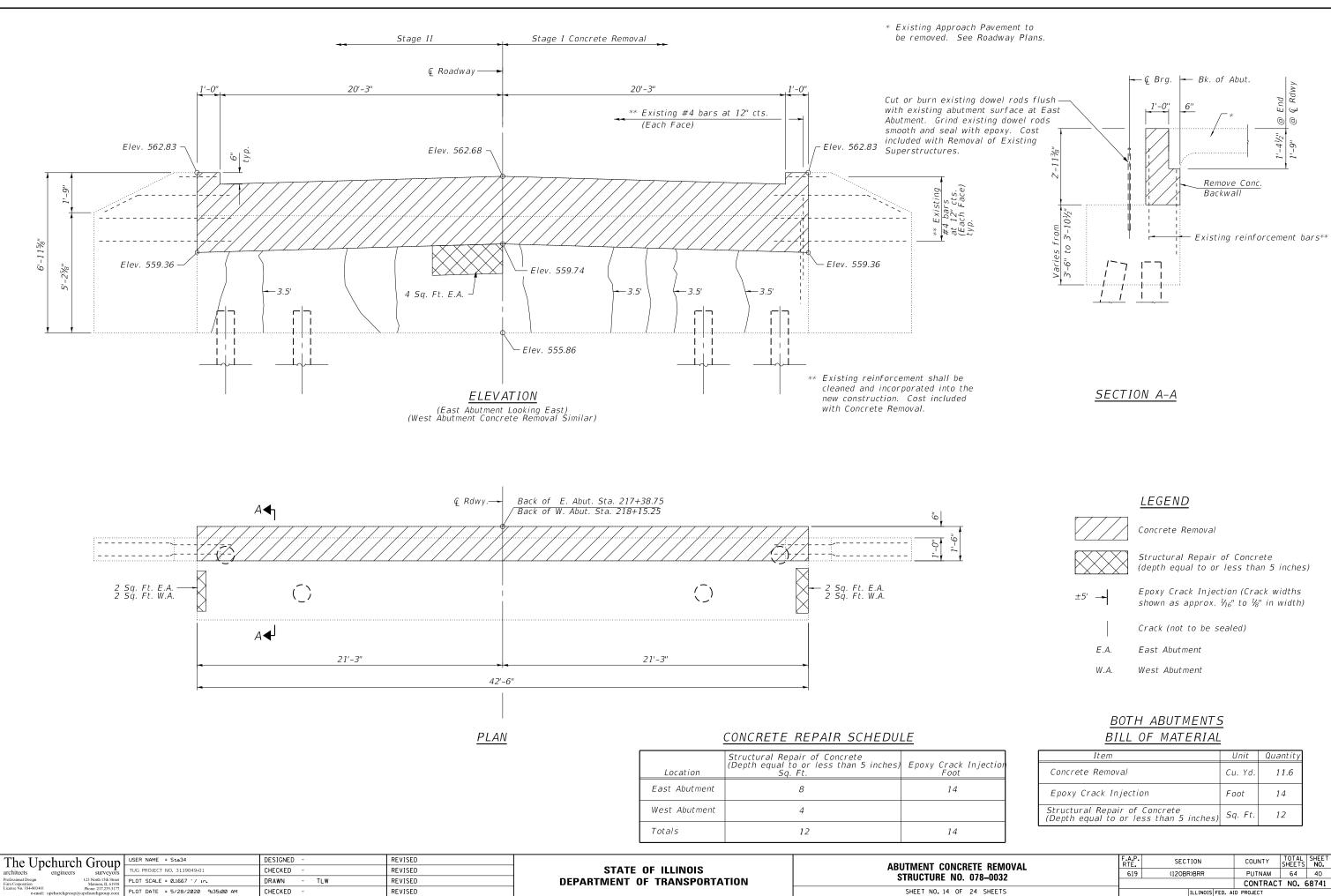
<u>PARTIAL PLAN</u>



Cost of Removal of Toewalls, Cut off Walls and Wing Wall Extension shall not be measured separately for payment but are included with Slope Wall Removal.

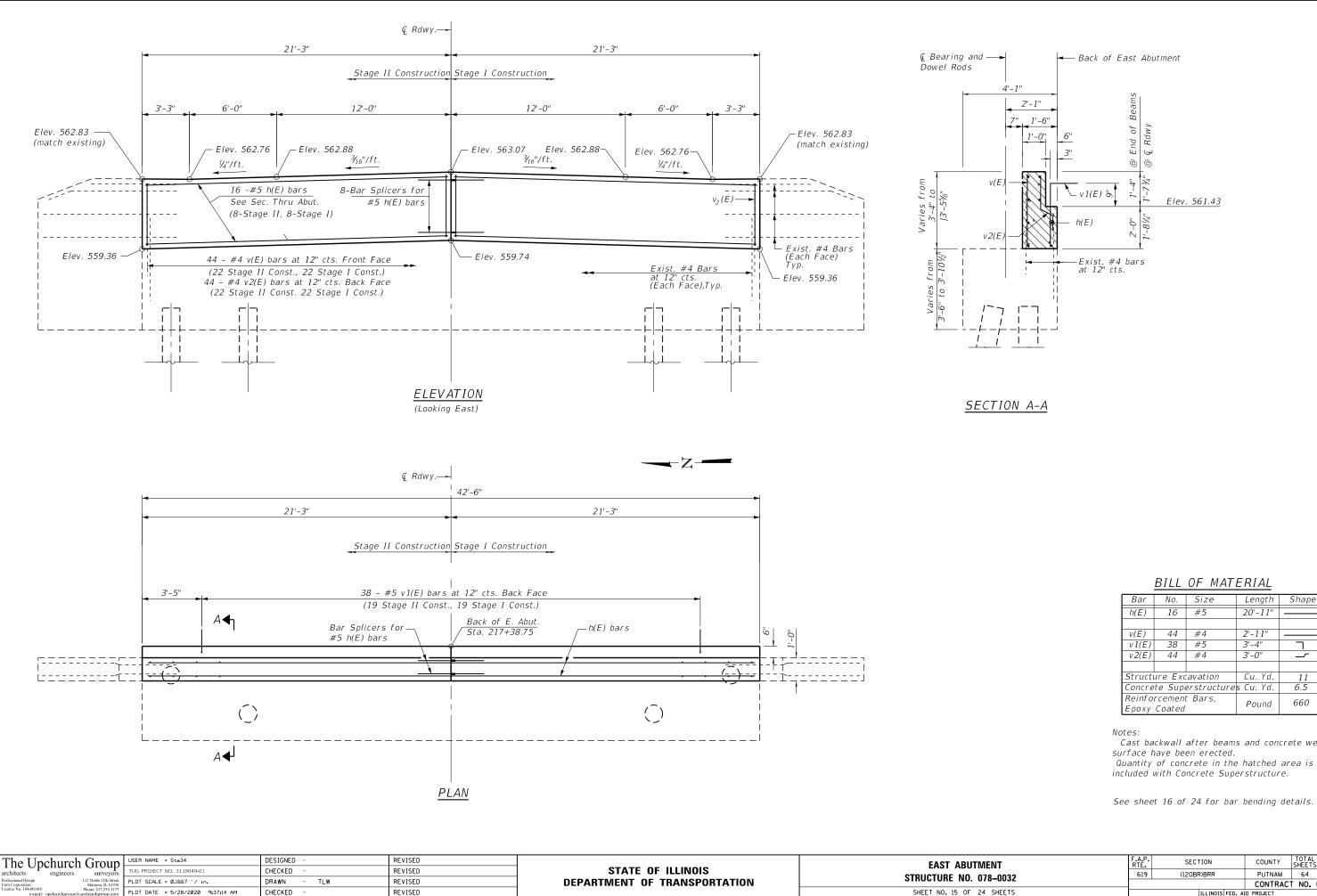
BILL OF MATERIAL

	DIEL OF PRATERINE				
c.		Item	Unit	Quantity	
f Nall Removal		Slope Wall Removal		382	
	F.A.P.	SECTION	COUNTY	TOTAL	SHEET
EMOVAL 078–0032	RTE. 619	(120BR)BRR	PUTNA	SHEETS	NO. 39
24 SHEETS	ILLINOIS FED. AID PROJECT				8741



	Item	Unit	Quantity
ection	Concrete Removal	Cu. Yd.	11.6
	Epoxy Crack Injection	Foot	14
	Structural Repair of Concrete (Depth equal to or less than 5 inches)	Sq. Ft.	12

ETE REMOVAL		SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
078-0032	619	(120BR)BRR	PUTNAM	64	40
070-0032			CONTRAC	T NO. 6	58741
24 SHEETS	ILLINOIS FED. AID PROJECT				



BILL OF MATERIAL

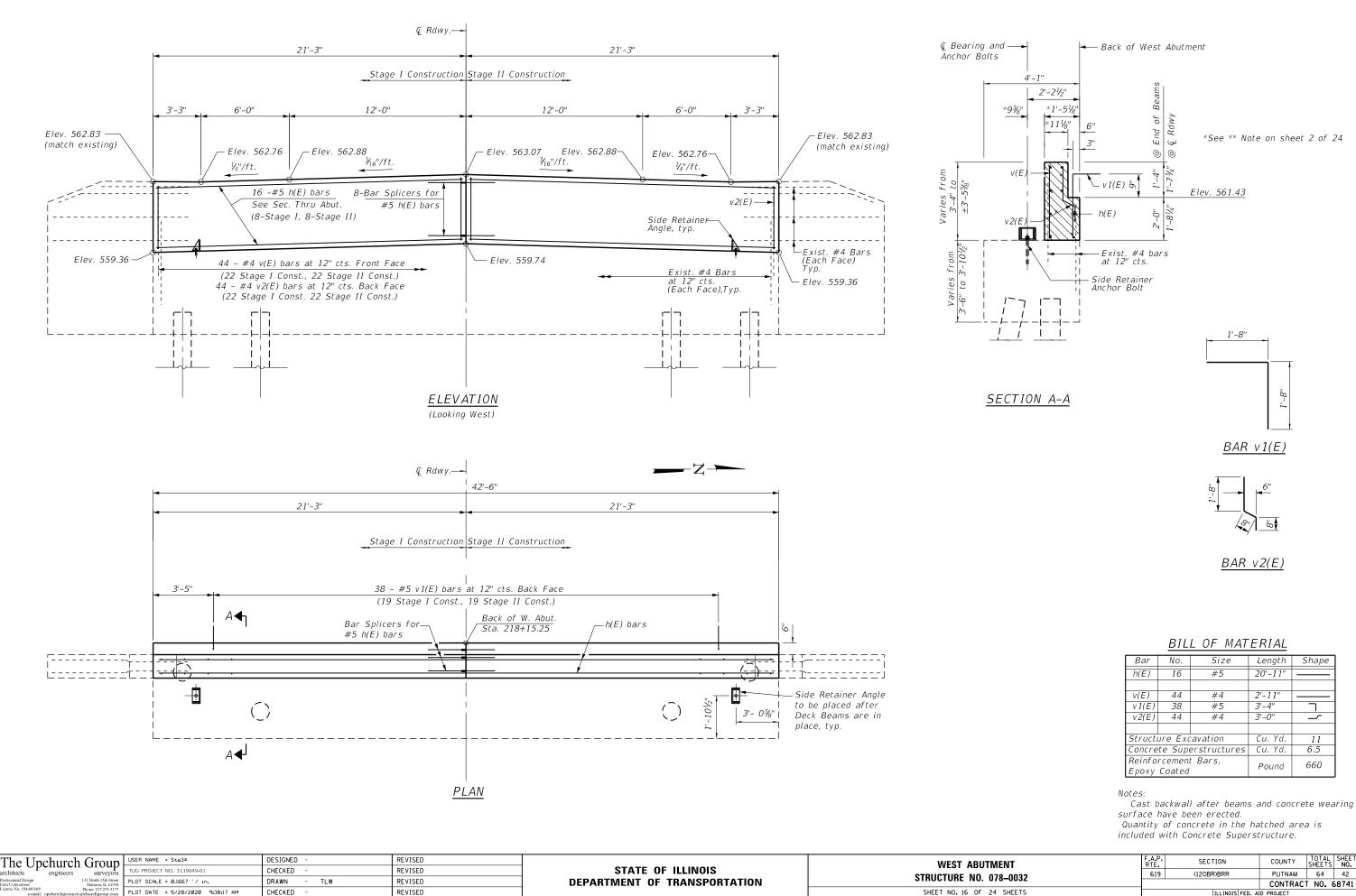
Bar	No.	Size	Length	Shape
h(E)	16	#5	20'-11"	
v(E)	44	#4	2'-11"	
v1(E)	38	#5	3'-4"	Г
v2(E)	44	#4	3'-0"	
	ure Exc	Cu.Yd.	11	
Concre	ete Supe	s Cu. Yd.	6.5	
	rcement Coated	Pound	660	

Cast backwall after beams and concrete wearing surface have been erected.

included with Concrete Superstructure.

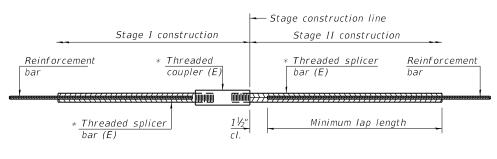
See sheet 16 of 24 for bar bending details.

F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
619	(120BR)BRR	PUTNAM	64	41
		CONTRAC	T NO. 6	58741
ILLINOIS FED. AID PROJECT				
		619 (120BR)BRR	619 (120BR)BRR PUTNAM	619 (120BR)BRR PUTNAM 64 CONTRACT NO. 6



Bar	No.	Size	Length	Shape
h(E)	16	#5	20'-11"	
v(E)	44	#4	2'-11"	
v1(E)	38	#5	3'-4"	
v2(E)	44	#4	3'-0"	<u> </u>
	ure Exc	Cu.Yd.	11	
Concre	ete Supe	Cu.Yd.	6.5	
	rcemen Coated	Pound	660	

TMENT 078–0032		SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		(120BR)BRR	PUTNAM	64	42
			CONTRAC	T NO. 6	58741
24 SHEETS ILLINOIS FED. AID PROJECT					

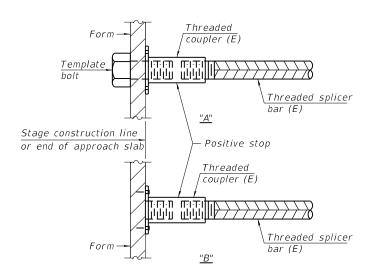


STANDARD BAR SPLICER ASSEMBLY

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	No. assemblies	Minimum
	size	required	lap length
Concrete Wearing Surface	4	74	2'-5"
West Abut.	5	8	3'-7"
East Abut.	5	8	3'-7"
Approach Clabs	5	142	3'-7"
Approach Slabs	4	34	2'-5''

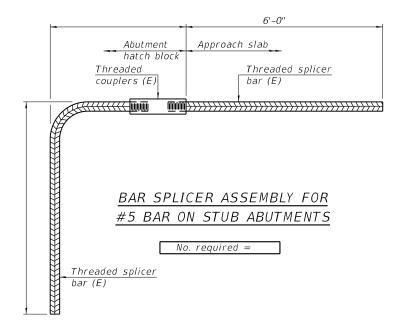


### INSTALLATION AND SETTING METHODS

"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.

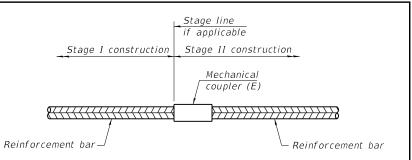
(E) : Indicates epoxy coating.



USER NAME = Sta34 DESIGNED REVISED The Upchurch Group BAR SPLICER ASSEMBLY AND ME STATE OF ILLINOIS UG PROJECT NO. 3119049-01 CHECKED REVISED STRUCTURE NO. LOT SCALE = 0.1667 // in. DRAWN TLW REVISED **DEPARTMENT OF TRANSPORTATION** PLOT DATE = 5/28/2020 9:39:35 AM REVISED SHEET NO. 17 OF CHECKED

BSD-1

2-17-2017



## STANDARD MECHANICAL SPLICER

Location	Bar size	No. assemblies required

<u>NOTES</u>

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.

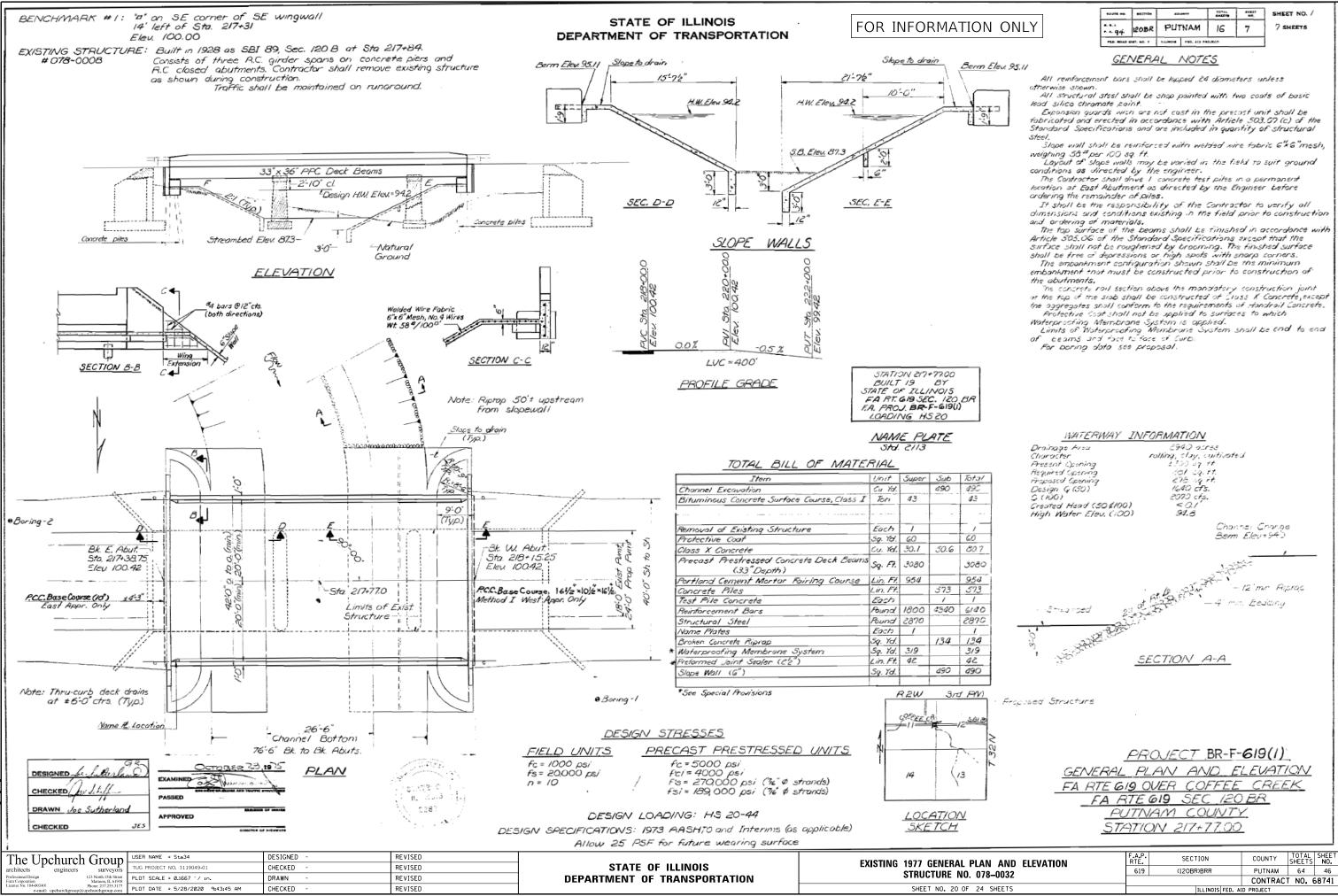
ECHANICAL SPLICER DETAILS	F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
078–0032	619	(120BR)BRR	PUTNAM	64	43
070-0032			CONTRACT	Γ NO. 6	58741
24 SHEETS		ILLINOIS FED. AI	D PROJECT		

FORM NO. B. D. 137 NEV. 9-80								Sh. 1	of	2	Sh.	FORM NO. 8. D. 137 REV. 9-6	0				
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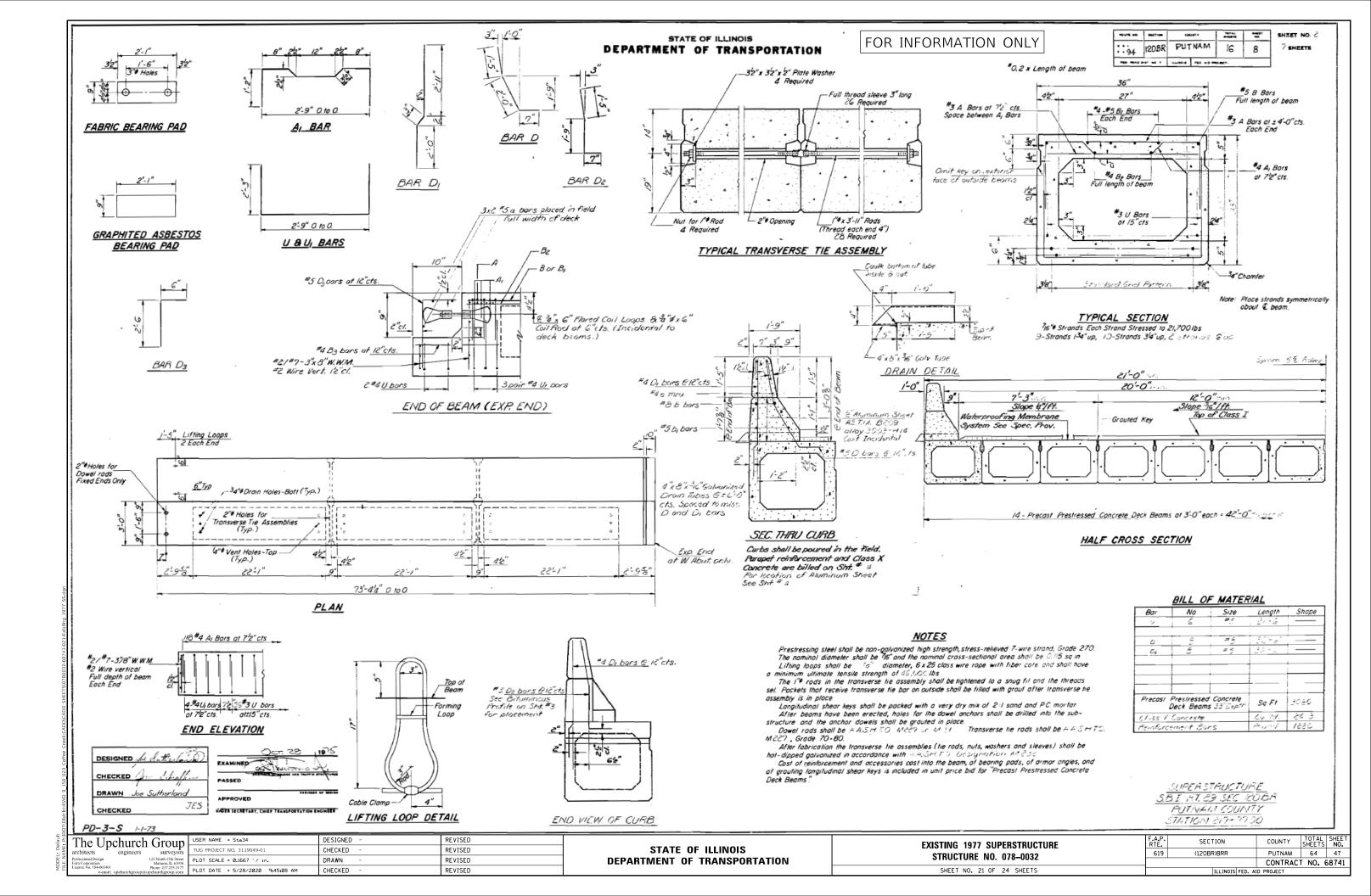
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License No.184/103401 phone: 217.235.3177 e-mail: upchurchgroup@upchurchgroup.com PLOT DATE = 5/28	/2020 9:42:	18 AM	CHECKE	D -		REVISED						_			SHE	ET NO. 19	OF 24

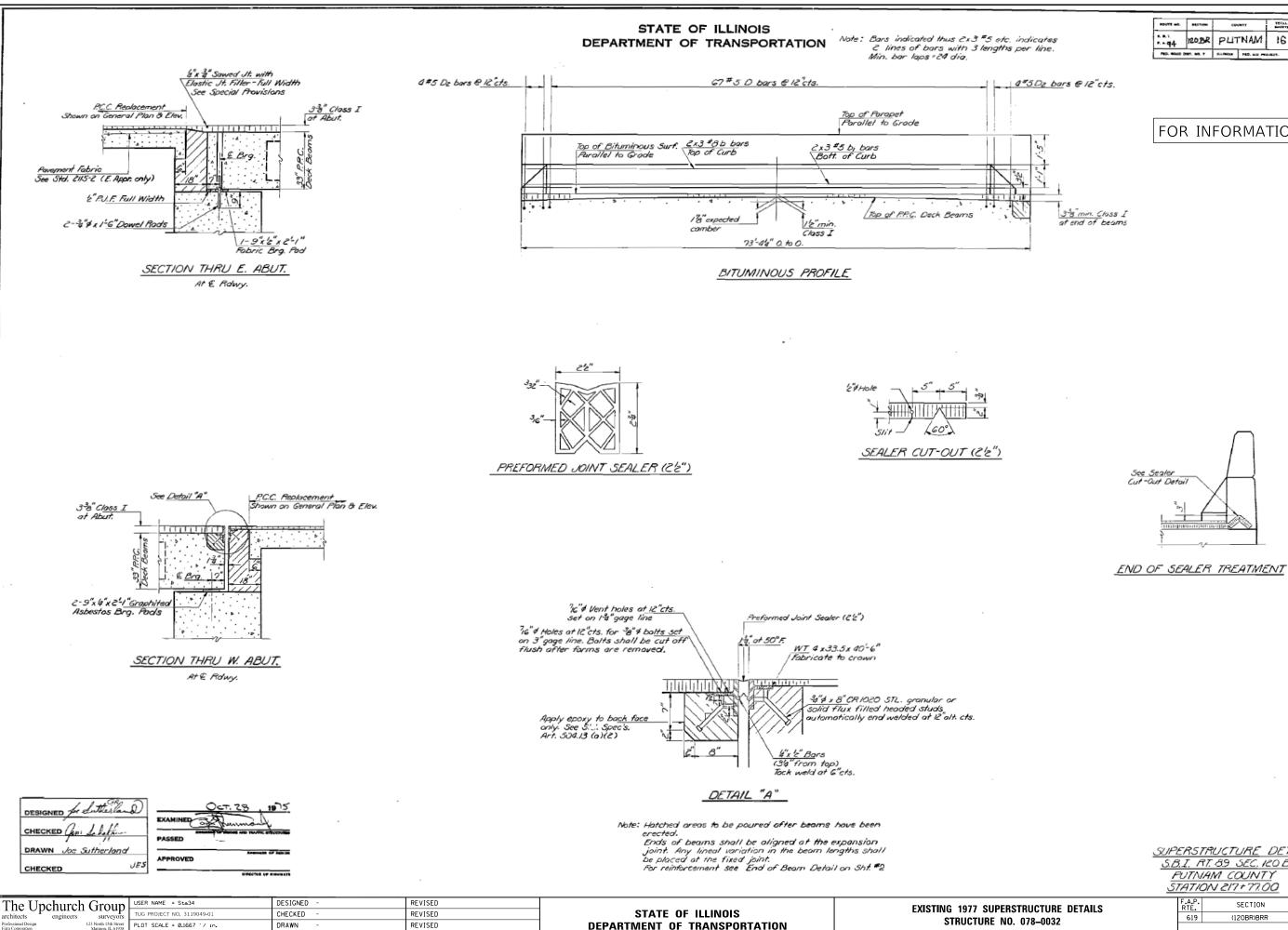
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 	120BR	PUTNAM	16	7	7 SHEETS
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078-0032	619	(120BR)BRR	PUTNAM	64	46
070-0032			CONTRAC	T NO. 6	58741
24 SHEETS		ILLINOIS FED. A	ID PROJECT		





PLOT DATE = 5/28/2020 9:46:24 AM

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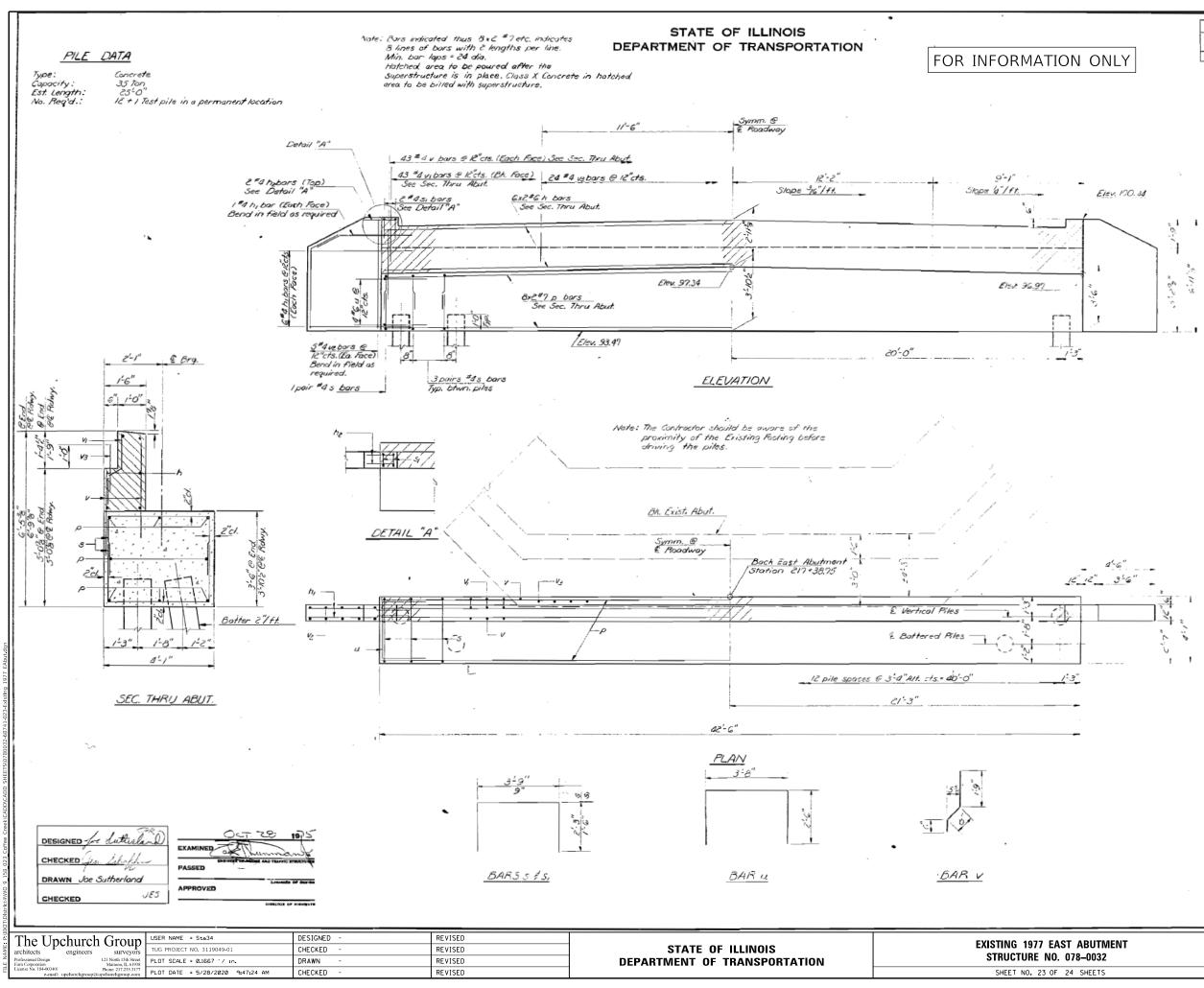
SHEET NO. 22 OF 2

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## FOR INFORMATION ONLY

SUPERSTRUCTURE DETAILS S.B.I. RT. 89 SEC. ILO BR

<u> </u>	11/10	010211-11.00			
IRUCTURE DETAILS	F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
078–0032	619	(120BR)BRR	PUTNAM	64	48
070-0032			CONTRAC	T NO. 6	58741
24 SHEETS		ILLINOIS FED. A	D PROJECT		

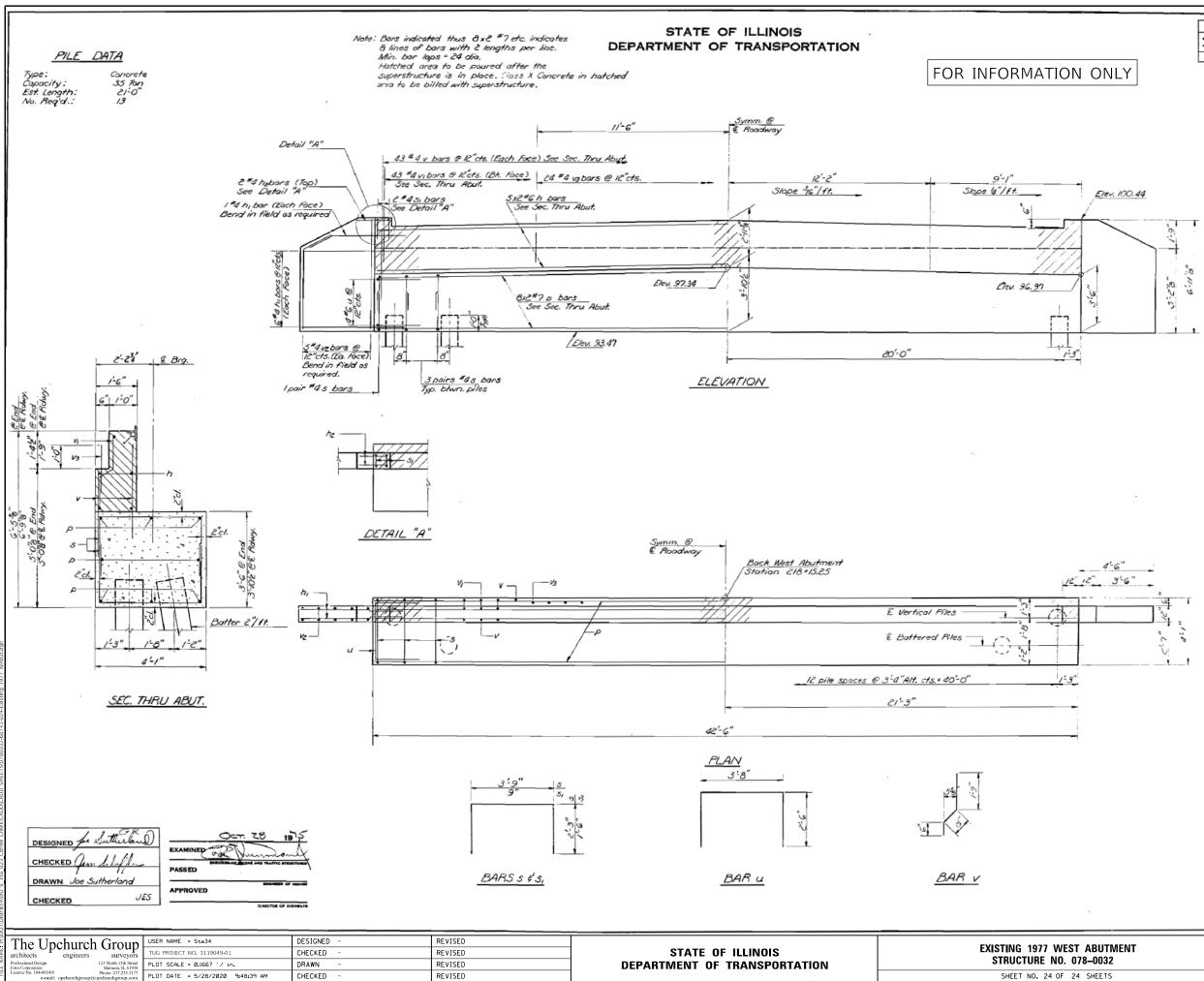


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EAST ABUTMENT
S.B.I. RT. 89 SEC. 120BR
PUTNAM COUNTY
STATION 217+77.00

ST ABUTMENT	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
078–0032	619	(120BR)BRR	PUTNAM	64	49
070-0032			CONTRAC	T NO. 6	68741
24 SHEETS		ILLINOIS FED. A	D PROJECT		

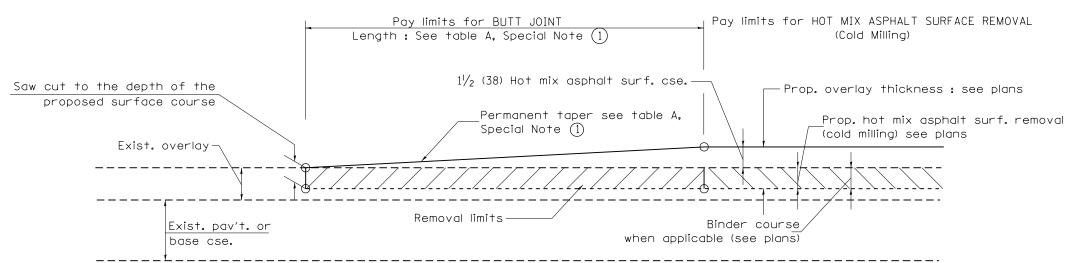


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v	86	-4	a'-0"	
4	43	#a	2-11	
12	20	40	5-9"	
V3	24	=4	2-0"	
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Reinfor	cement	Bars	Pound	2140
Concrete	Piles		Lin. Ft.	273

WEST ABUTMENT
S.B.I. RT. 89 SEC. ICOBR
PUTNAM COUNTY
STATION 217+77.00

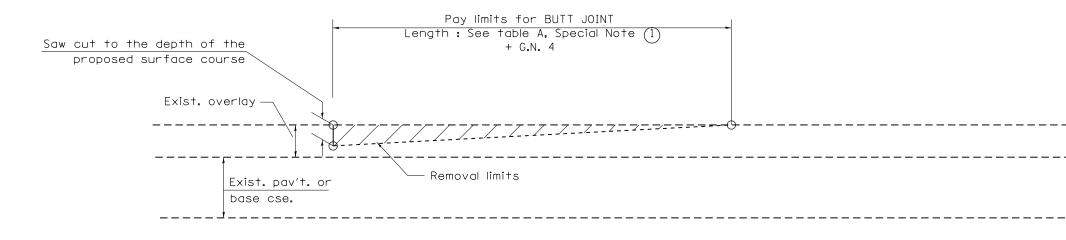
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		(120BR)BRR	PUTNAM	64	50	
			CONTRAC	T NO. 6	58741	
24 SHEETS ILLINOIS FED. AID PROJECT						



## CASE 1 : WITH HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)

	I	AFER RAIES		
SPECIAL NOTE	ELEMENT	MAINLINE INTERSTATES &	ALL	1
NUMBER		4-LANE EXPRESSWAYS	OTHERS	
1	BUTT JOINT	1:480	1:240	2
	TAPER RATE			
2	TEMPORARY RAMP	1:80	1:40	
	TAPER RATE			3

TABLE A TAPER RATES



CASE 2 : NO HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)

	01-01-97	RENUM. C-23.01, NEW REVISION BOX	т.р.	08-21-	3 MAJOR MODIFICATIONS	R.D.		
Γ	04-01-97	CORRECTION TO DEPTH	J.A.	04-12-	6 MINOR CORRECTIONS	R.D.	STATE OF ILLINOIS	BUTT JOINTS
Γ	09-15-05	REVISED DESIGNER NOTE	M.M.A.	02-14-	7 ADDED NOTE 5	R.D.	DEPARTMENT OF TRANSPORTATION	
	10-16-06	REVISED TO 2007 SPEC.	M.A.	07-16-	9 Wording and Spelling corrections	R.D.		NOT TO SCALE

### GENERAL NOTES

1. The work shall be done in accordance with Article 406.08 and the Special Provision for Butt Joints.

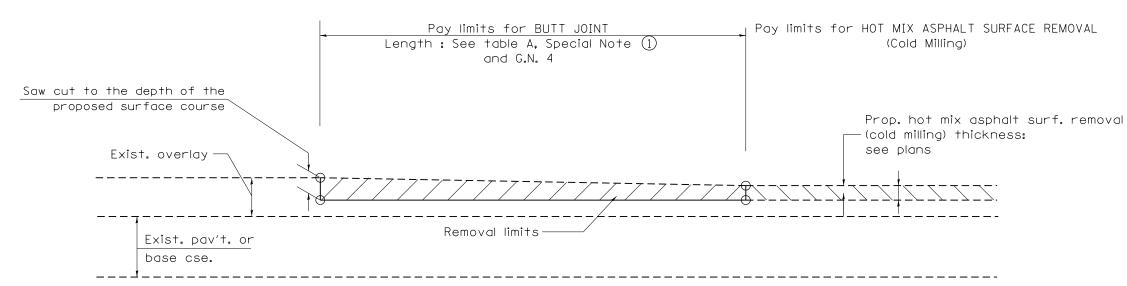
2. The pavement surface to be removed may be either bituminous or P.C. concrete. The work shall be performed in accordance with Article 440.04 and the Special Provisions for Butt Joints.

3. The saw cut joints shall be primed just prior to the placing of bituminous material. The work will be in accordance with the applicable portions of Article 406.05.

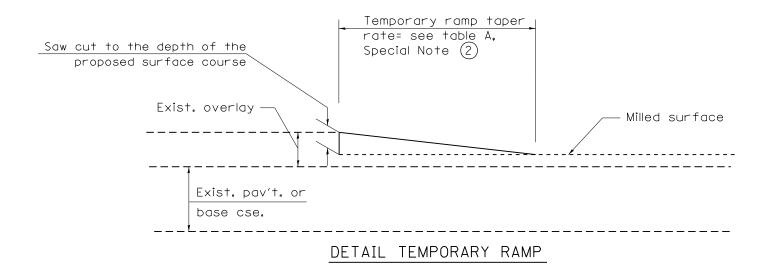
4. The length of butt joint is based on the taper rate times change in cold milling depth within the butt joint pay limits, unless otherwise indicated.

5. Temporary ramps are paid for separately and not included in the cost of the butt joints.

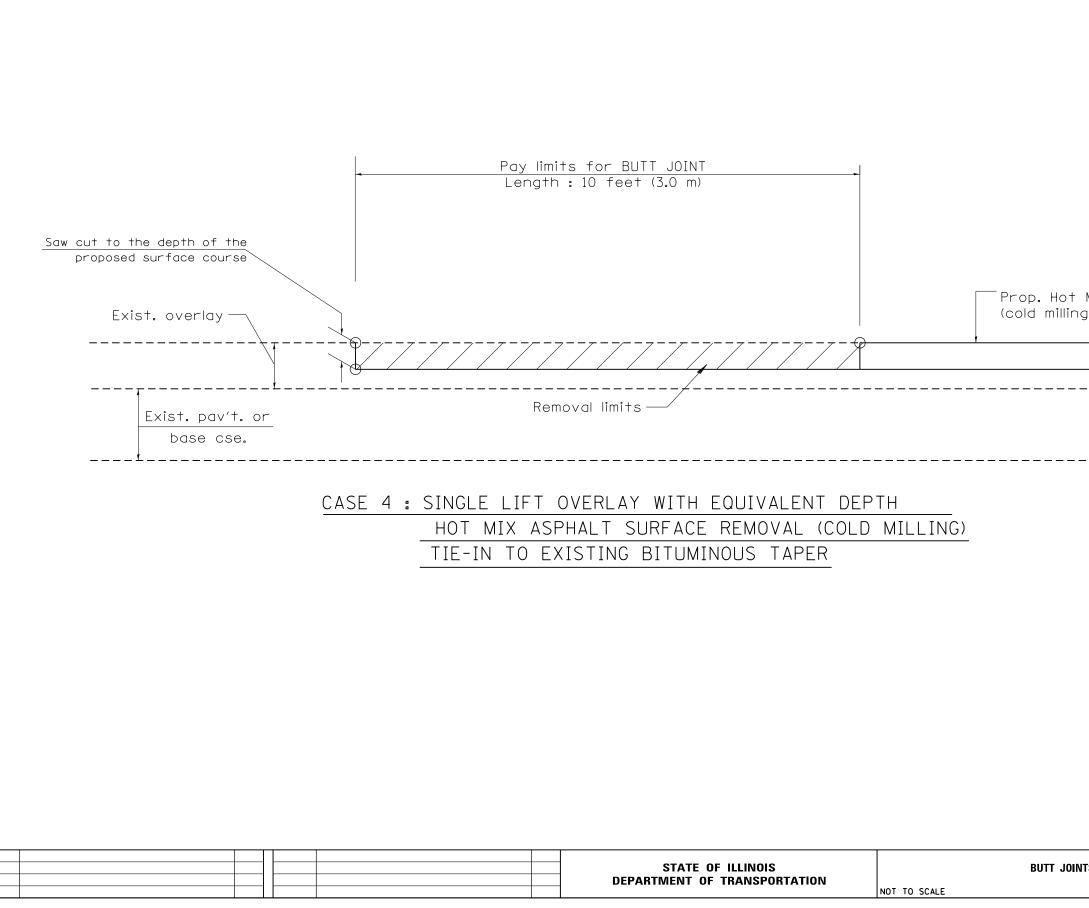
		F.A. RTE.	SEC	TION	COUNTY	TOTAL SHEETS	SHEET NO.
NTS			(120BR)	BRR	PUTNAM	64	51
	SHT. 1 OF 3				CONTRACT	NO. 6	8741
	CADD STD. 406101-D4	FED. RC	DAD DIST. NO.	ILLINOIS FED. AI	D PROJECT		



# CASE 3 : HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING) TIE-IN TO EXISTING BITUMINOUS TAPER



				F.A. RTE	SECTION	COUNTY TOTAL SHEET SHEETS NO.
		STATE OF ILLINOIS	BUTT JOINTS	619	(120BR)BRR	PUTNAM 64 52
		DEPARTMENT OF TRANSPORTATION		SHT. 2 OF 3		CONTRACT NO. 68741
			NOT TO SCALE	CADD STD. 406101-D4 FED.	ROAD DIST. NO. ILLINOIS FED	. AID PROJECT



Prop. Hot Mix Asphalt surf. removal (cold milling) per plans.

_____

_____

INTS			SEC	TION	COUNTY	TOTAL SHEETS	SHEET NO.
INTS		619	(120BR)	BRR	PUTNAM	64	53
	SHT. 3 OF 3				CONTRACT	NO. 6	8741
	CADD STD. 406101-D4	FED. RC	AD DIST. NO.	ILLINOIS FED. AI	D PROJECT		

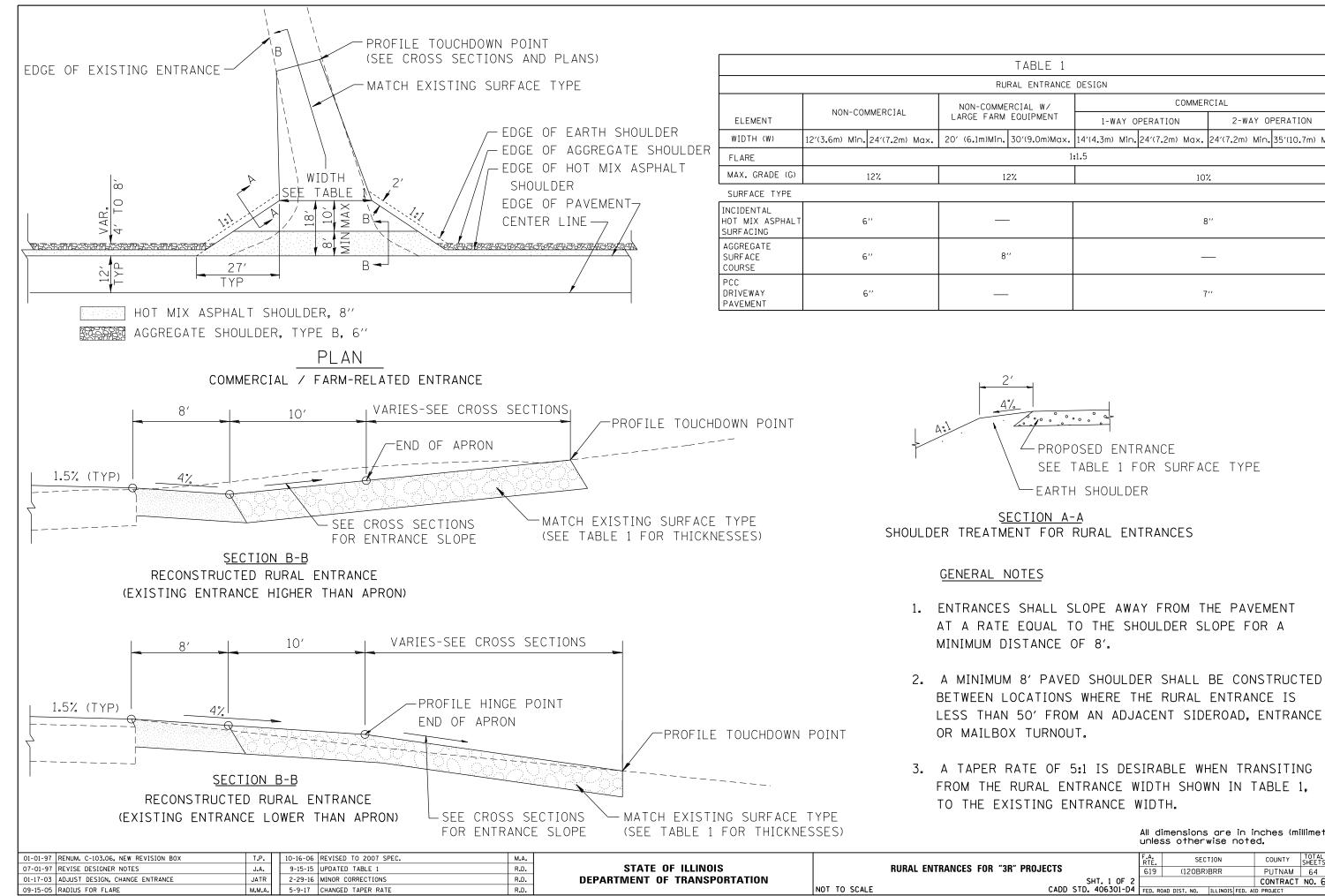
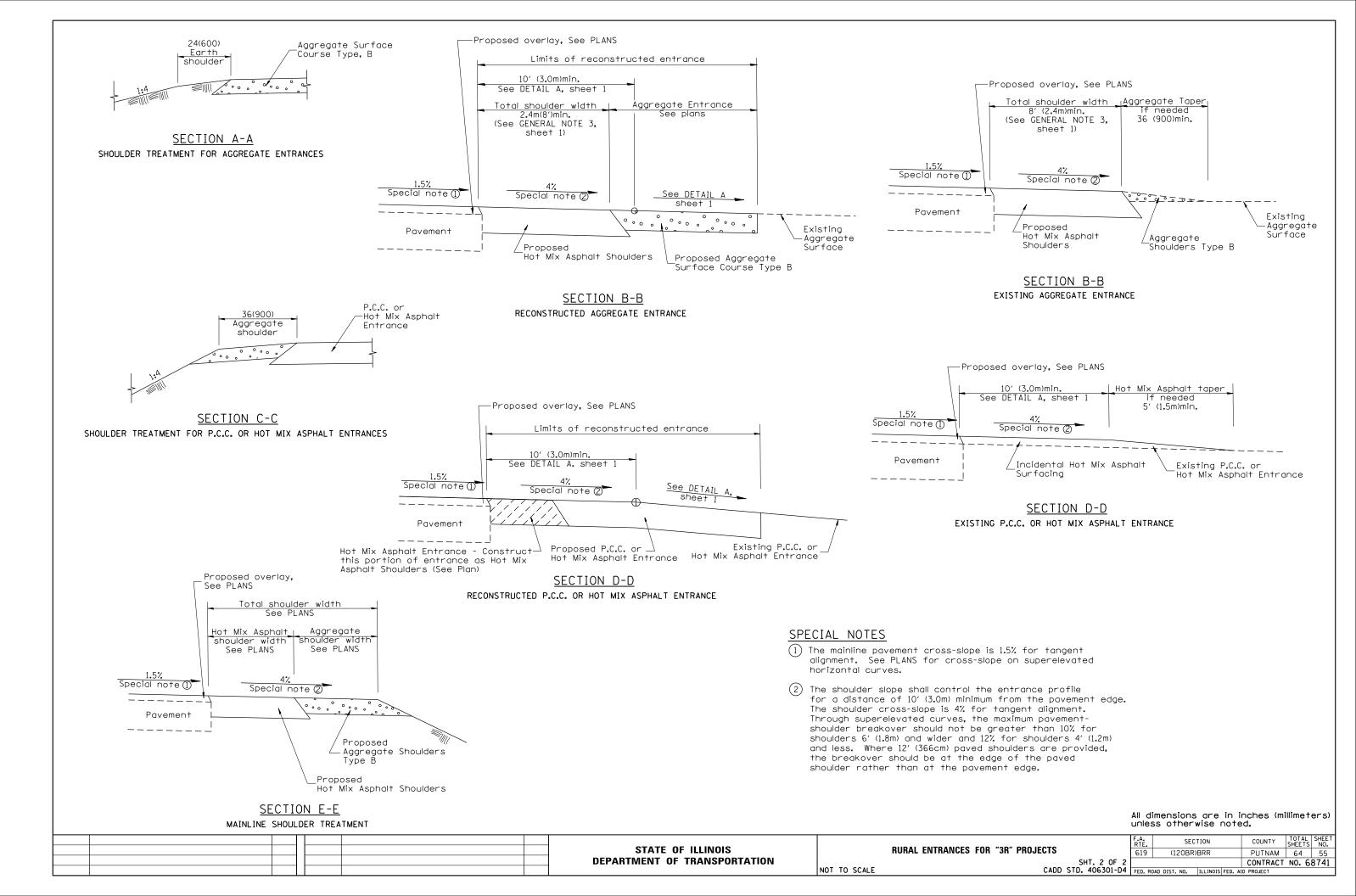
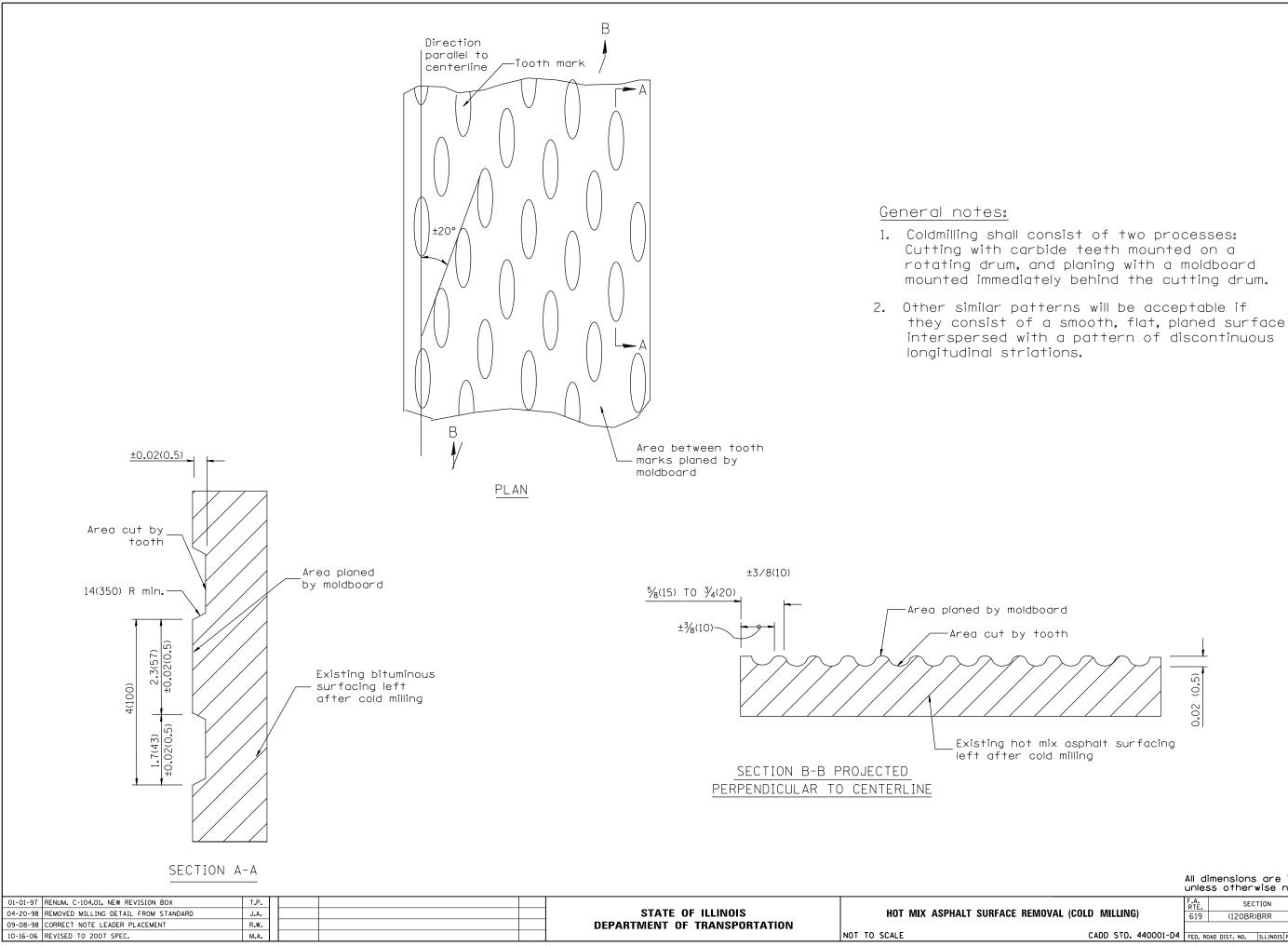


	TABLE 1								
RU	RAL ENTRANCE	DESIGN							
омме	RCIAL W/			С	OMMER	CIAL			
ARM	EQUIPMENT	1-W,	AY C	PERATION		2-W/	AY OF	PERATION	
Min.	30′(9.0m)Max.	14'(4.3m)	Min.	.24′(7.2m)	Max.	24′(7 <b>.</b> 2m)	Min.	35′(10.7m)	Max.
	1	:1.5							
12	2%	10%							
					0	,,			
8′	,								
					7	,,			
					1				

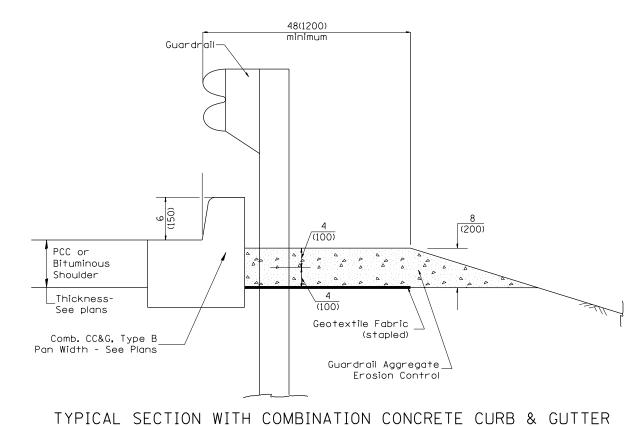
LESS THAN 50' FROM AN ADJACENT SIDEROAD, ENTRANCE

	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
R "3R" PROJECTS		(120BR)BRR	PUTNAM	64	54		
SHT. 1 OF 2			CONTRACT	NO. 6	8741		
CADD STD. 406301-D4	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT						





EMOVAL (COLD MILLING)		SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		(120BR)BRR	PUTNAM	64	56
			CONTRACT	NO. 6	8741
CADD STD. 440001-D4	FED. RC	DAD DIST. NO. ILLINOIS FED. AI	D PROJECT		



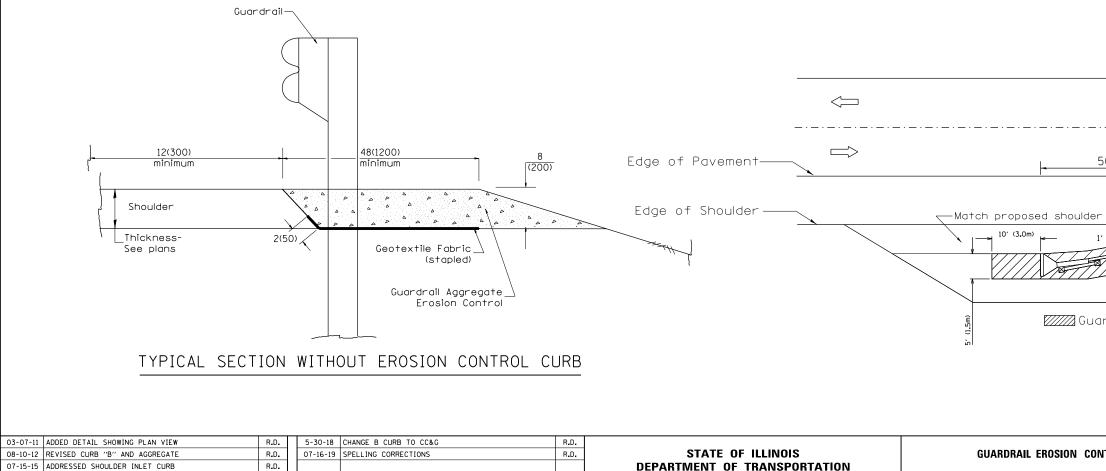
01-26-17 REVISED

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



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.

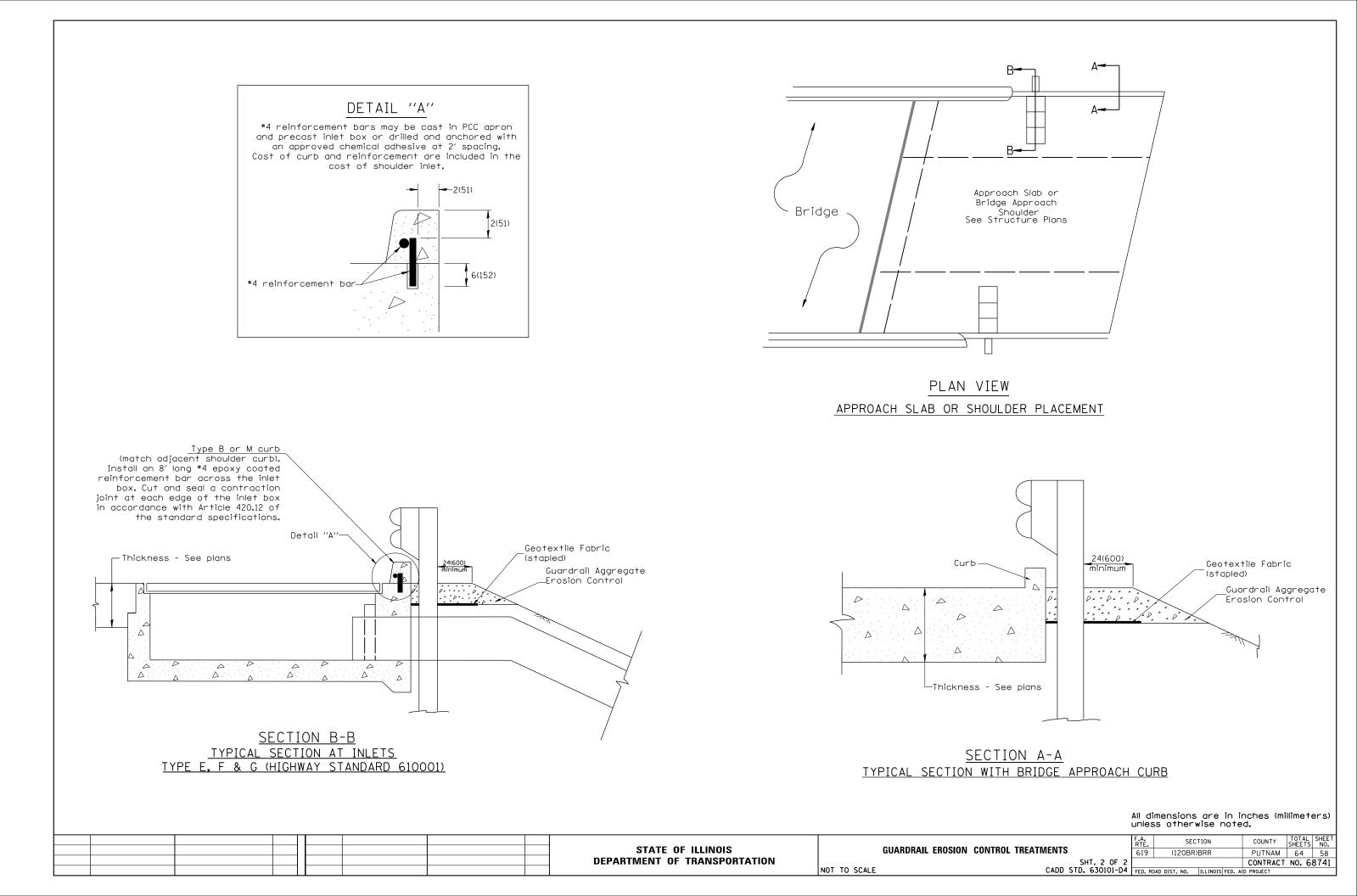
after the Geotextile Fabric and Aggregate are in place. If the guardrail is placed after the Geotextile Fabric and Aggregate, then any voids must be

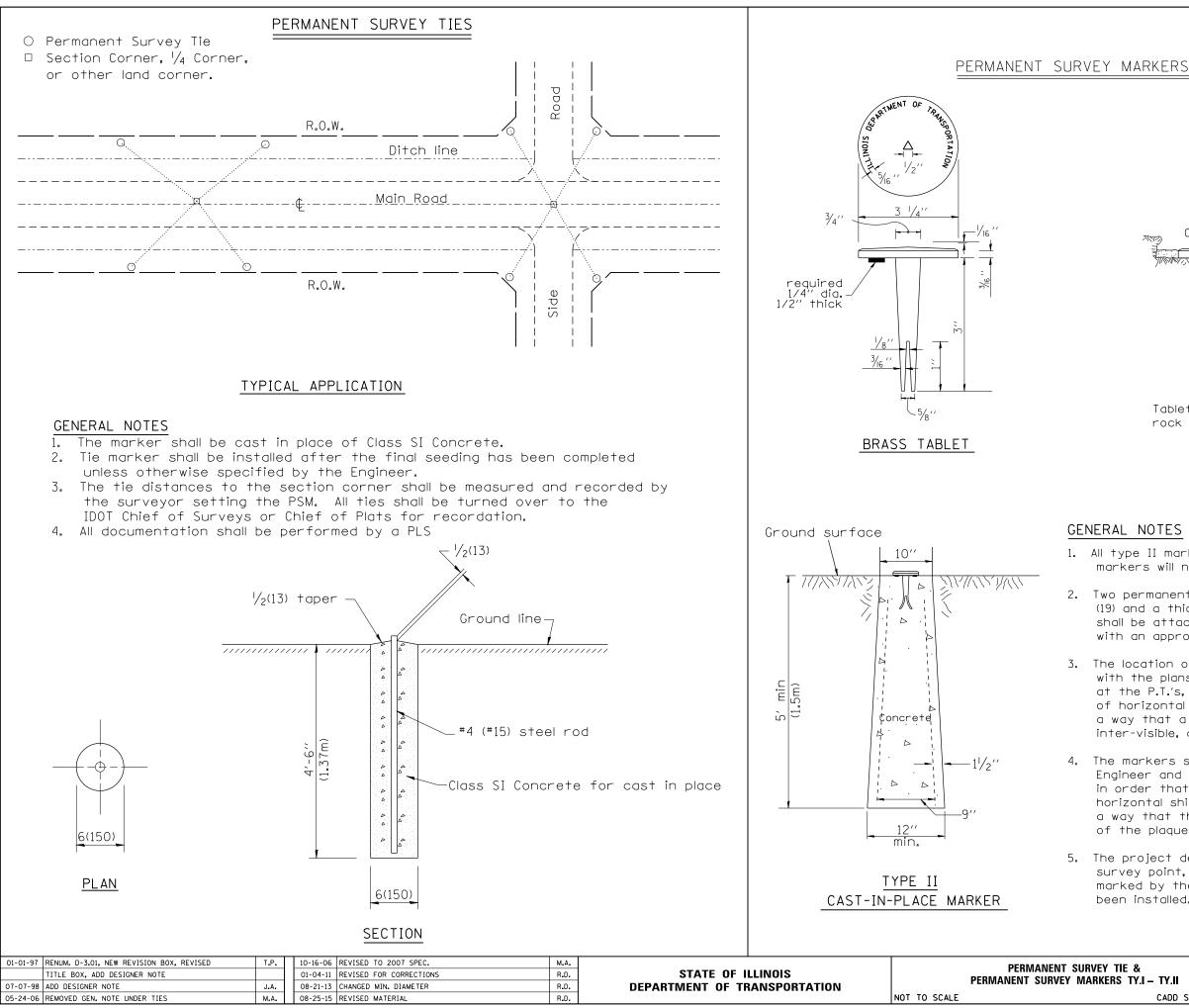
50'-0'' (15.2m) typ.

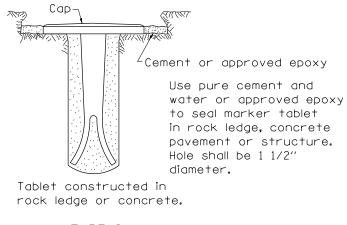
material (HMA or	Aggregate)
(0.3m)	

Guardrail Aggregate Erosion Control

	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ITROL TREATMENTS	619	(120BR)BRR	PUTNAM	64	57
SHT. 1 OF 2			CONTRACT	NO. 6	8741
CADD STD. 630101-D4	AD DIST. NO. ILLINOIS FED. A	D PROJECT			







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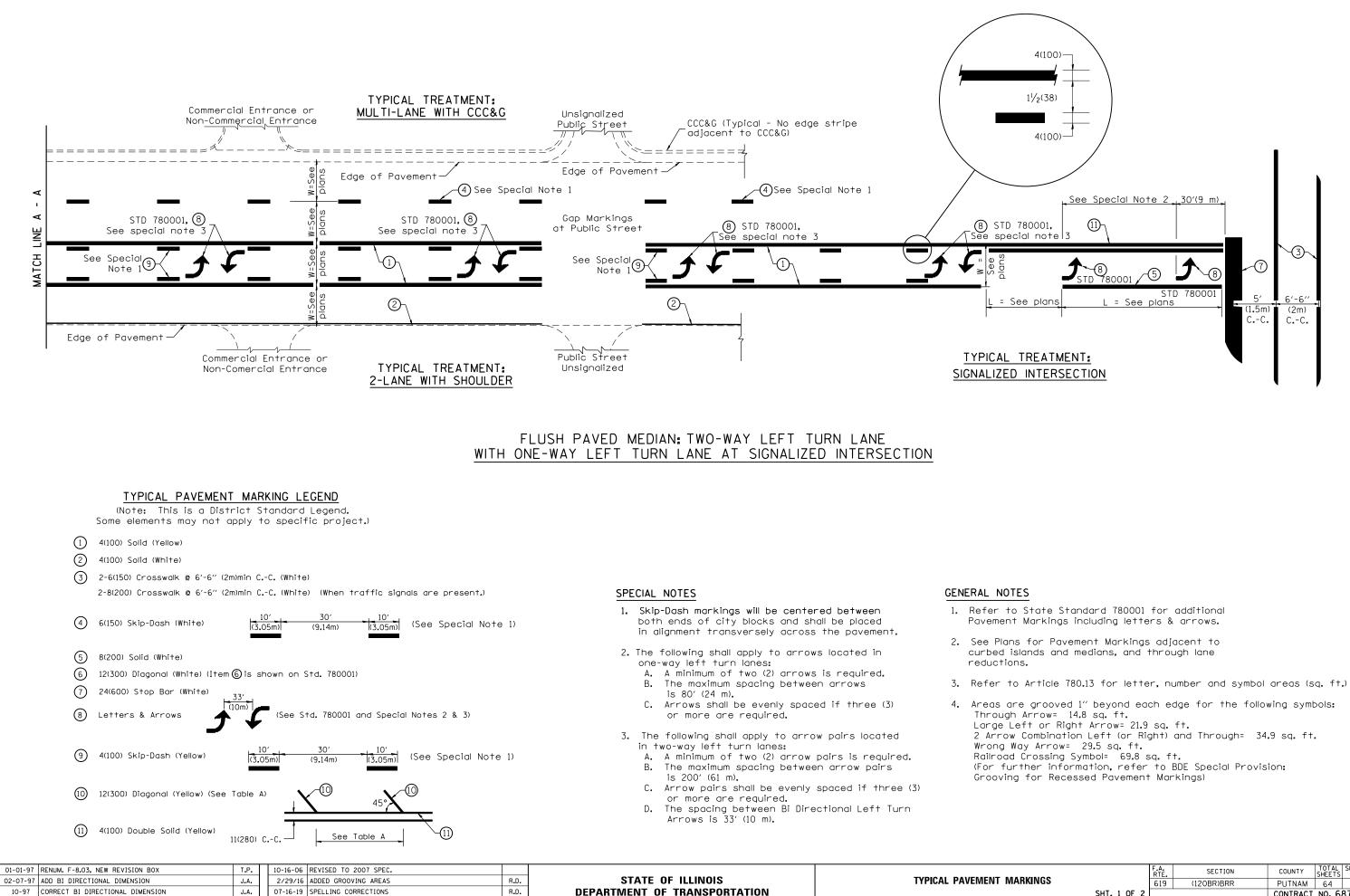
### GENERAL NOTES

1. All type II markers shall be cast in place, and precast markers will not be allowed.

- 2. Two permanent magnets, each having a diameter of  $\frac{3}{4}$ (19) and a thickness of  $\frac{1}{4}$  (6), or equivalent, shall be attached to the underside of the tablet with an approved epoxy bonding agent.
- 3. The location of the markers shall be in accordance with the plans in general, the markers will be placed at the P.T.'s, P.C.'s, and P.I.'s llocated within the R.O.W. of horizontal curves and spaces along the tangents in a way that a minimum of two markers are always inter-visible, and not to exceed 1000' (300m).
- 4. The markers shall be placed under the direction of the Engineer and shall be installed in a workmanlike manner in order that there will be no further settlement or horizontal shifting. The monuments shall be placed in a way that the survey point will fall within the portion of the plaque provided for that purpose.
- 5. The project designation, the centerline station, the survey point, and the elevation shall be permanently marked by the use of metal dies after marker has been installed.

1	unles	ss otherw	ise note	d.		
VEY TIE &	F.A. RTE.	SECT	ION	COUNTY	TOTAL SHEETS	SHEET NO.
RKERS TY.I – TY.II	619	(120BR)E	3RR	PUTNAM	64	59
				CONTRACT	NO. 6	3741
CADD STD. 667101-D4	FED. RO	DAD DIST. NO.	ILLINOIS FED. AI	D PROJECT		

All dimensions are in inches (millimeters)

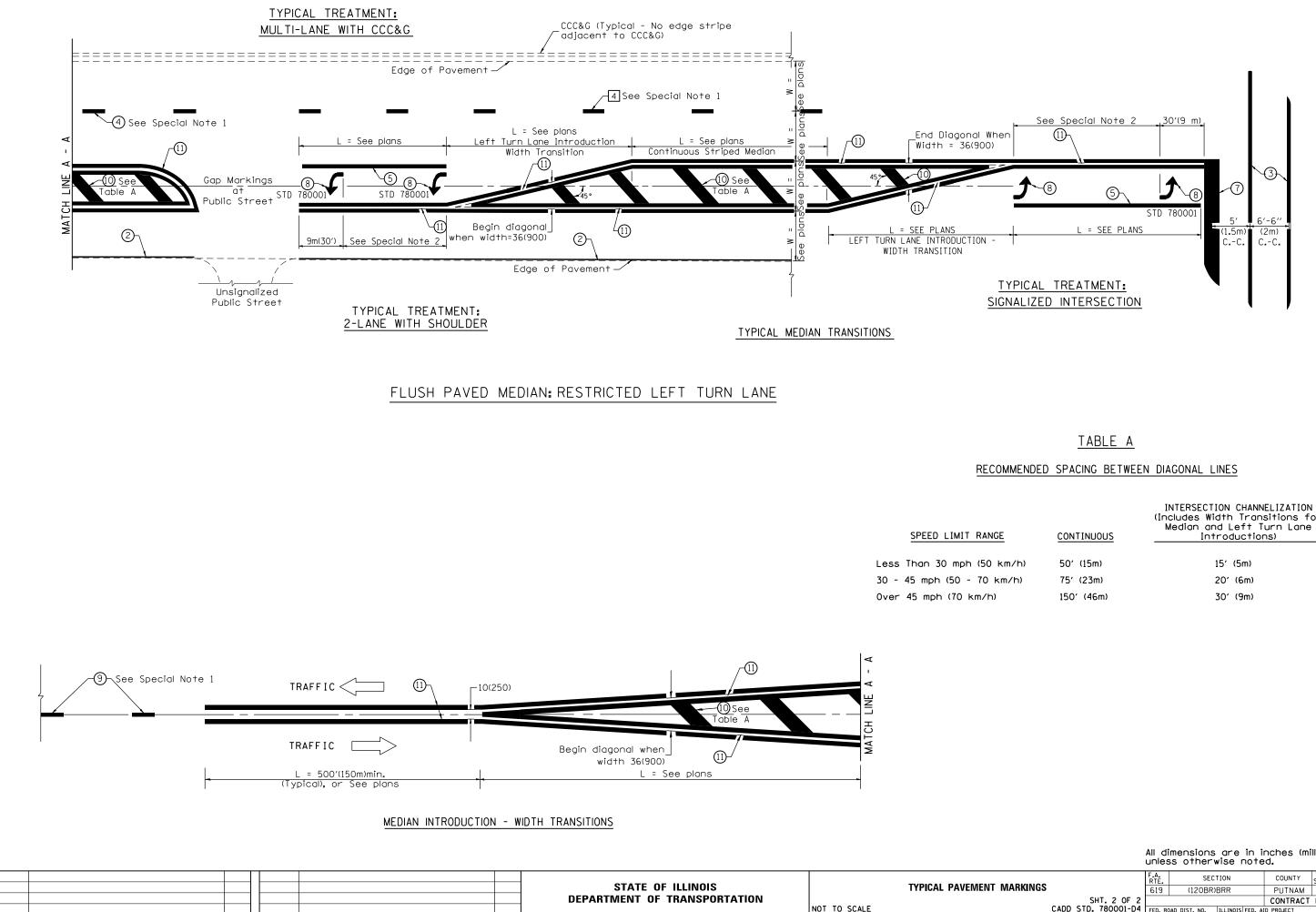


08-02 ADD CROSSWALK DMNS. WITH T.S.

M.A.

**DEPARTMENT OF TRANSPORTATION** NOT TO SCALE

			F.A. RTE		SECTION				COUNTY	TOTAL SHEETS	SHEET NO.	
IT MARKINGS		619		(120BR)BRR				PUTNAM	64	60		
	SHT. 1 OF 2									CONTRACT	NO. 6	8741
	CADD	STD.	780001-D4	FED.	ROAD	DIST. N	0.	ILLINOIS	FED. AI	D PROJECT		



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

T MARKINGS		F.A. RTE.	SEC	TION	COUNTY	TOTAL SHEETS	SHEET NO.		
		619	(120BR)	BRR	PUTNAM	64	61		
SHT. 2 OF 2						CONTRACT	NO. 6	8741	
	CADD	STD.	780001-D4	FED. RC	AD DIST. NO.	ILLINOIS FED. AI	D PROJECT		

