

1-20-2012 LETTING ITEM 029

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	07-10117-00-BR	WILL	36	1
FED. ROAD DIST. NO.	ILLINOIS	CONTRACT NO. 63642		

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION PLANS FOR PROPOSED FEDERAL AID HIGHWAY

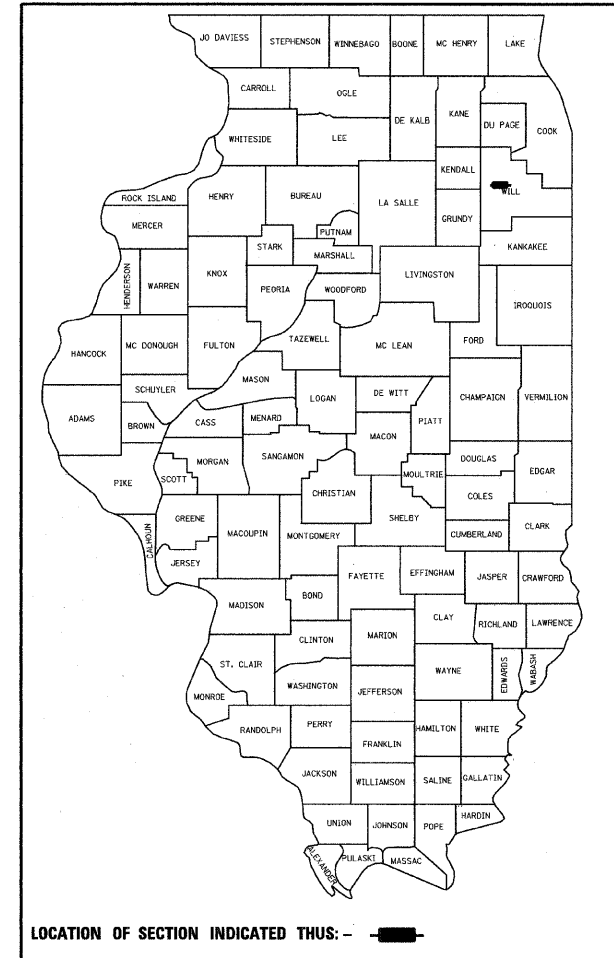
JOLIET ST. OVER HICKORY CREEK
BRIDGE DECK REHABILITATION

SECTION 07-10117-00-BR
PROJECT BHM-8003(939)

JOLIET TOWNSHIP
WILL COUNTY

JOB C-91-190-08

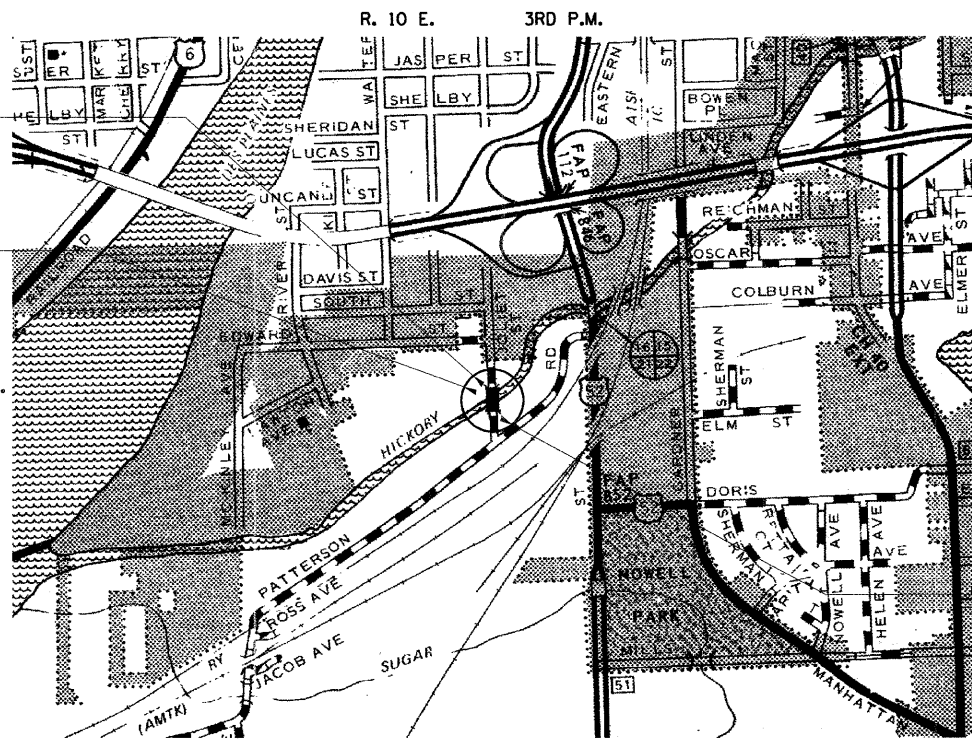
FOR INDEX OF SHEETS, SEE SHEET NO. 2.



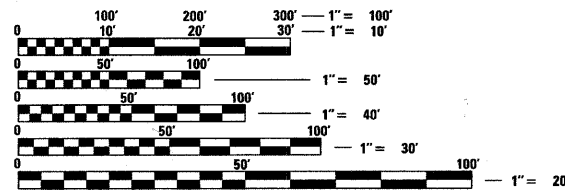
PROGRAM AND OFFICE ENGINEER: CHARLES F. RIDDLER, P.E. (847) 705-4406, SCHAMBURG, ILLINOIS

PROPOSED IMPROVEMENT:
REHABILITATION OF EXISTING BRIDGE CARRYING JOLIET ST. OVER HICKORY CREEK AT STA. 9+97.57.
REHABILITATION CONSISTS OF:
REPLACEMENT OF DECK WITH 8" REINFORCED CONCRETE DECK, REPLACEMENT OF ABUTMENT BEARINGS, WEB REPAIR OF EXISTING STEEL GIRDERS, REPLACEMENT OF END DIAPHRAGMS. TOTAL LENGTH OF BRIDGE 153'-6 1/4" BK.-TO-BK. ABUTMENTS, 37'-7" DECK WIDTH, 30 DEGREE SKEW ANGLE. STRUCTURE NO. 099-3290.

IMPROVEMENT ENDS
JOLIET ST.
STA. 12+04.33



IMPROVEMENT BEGINS
JOLIET ST.
STA. 7+75.88



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

J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123
OR 811

PROJECT ENGINEER: GREGG MOUNTS
PROJECT MANAGER: ROGER WRIGHT

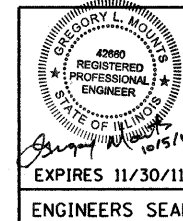
CONTRACT NO. 63642

Hutchison Engineering, Inc.
JACKSONVILLE ILLINOIS
SHOREWOOD ILLINOIS

2011 JOB#2882

LOCATION MAP
1" = 0 1/8 MI
APPROXIMATE SCALE

NET LENGTH OF PROJECT = 428.45 FEET = 0.081 MILES
DESIGN CLASSIFICATION: MINOR-COLLECTOR (NON-URBAN)
DESIGN ADT = 2,550 (2030)
DESIGN SPEED = 30 MPH



STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS	
APPROVED	October 6, 2011 <i>James G. Maloff</i> JOLIET TOWNSHIP HIGHWAY COMMISSIONER
PASSED	October 31, 2011 <i>Charles F. Ridder</i> DISTRICT 1 ENGINEER OF LOCAL ROADS & STREETS
RELEASING FOR BID BASED ON LIMITED REVIEW	November 1, 2011 <i>Diane M. O'Keefe</i> DEPUTY DIRECTOR OF HIGHWAYS, REGION 1 ENGINEER

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FILE NAME: V:\2882\2882-08.dgn
PLOT DATE: 10/4/2011

GENERAL NOTES

THE CONTRACTOR WILL BE REQUIRED TO COMPLY WITH ALL STATE REGULATIONS REGARDING AIR, WATER AND NOISE POLLUTION. HE WILL NOT BE ALLOWED TO BUILD FIRES ON THE SITE.

ALL CONSTRUCTION PERSONNEL WILL BE REQUIRED TO WEAR FLUORESCENT ORANGE VESTS AND HARD HATS AT ALL TIMES WHILE ON THE CONSTRUCTION SITE. COMPLIANCE WITH THIS REQUIREMENT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE CONTRACT.

IT IS THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN EXISTING FIELD CONDITIONS BEFORE BIDDING ON THIS PROJECT, SPECIFICALLY AS THEY RELATE TO THE LUMP SUM PAY ITEMS.

THE LOCATIONS OF KNOWN UTILITIES AS SHOWN ON THE PLANS ARE APPROXIMATE AND DOES NOT GUARANTEE THEIR ACCURACY. THE CONTRACTOR SHALL VERIFY THE LOCATION OF THESE UTILITIES AND THE EXISTENCE AND LOCATION OF ANY UTILITY NOT SHOWN ON THE PLANS.

THE CONTRACTOR SHALL NOTIFY THE UTILITIES AT LEAST TEN (10) DAYS PRIOR TO ANY CONSTRUCTION IN THE AREA AND SHALL COMPLY WITH ALL RESTRICTIONS FOR EQUIPMENT MOVEMENTS AND CLEARANCES AS REGARDS TO THEIR FACILITIES.

BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR MUST CALL J.U.L.I.E. AT 1-800-832-0123 FOR FIELD LOCATIONS OF BURIED ELECTRICAL, TELEPHONE, GAS FACILITIES, AND ALL PUBLIC UTILITIES. A 48 HOUR NOTIFICATION IS REQUIRED.

ELECTRIC	GAS	TELEPHONE
COMMONWEALTH EDISON ATTN: MR. TIM COSLET 1910 SOUTH BRIGGS STREET JOLIET, IL. 60433-9599 (815) 724-5010	NICOR GAS ATTN: MS CONNIE LANE 1844 FERRY ROAD NAPERVILLE, IL. 60563 (630) 983-8676	A.T.&T. ATTN: MR. DENNIS VOLTAREL 65 WEST WEBSTER STREET JOLIET, IL. 60431 (815) 774-6762
CABLE T.V.	WATER & SEWER	
COMCAST CABLE COMMUNICATIONS ATTN: MS. MARY STEFAN 688 INDUSTRIAL DRIVE ELMHURST, IL. 60126 (630) 600-6346	CITY OF JOLIET ATTN: MS. SHARON BURGIE PUBLIC WORKS AND UTILITIES 921 E. WASHINGTON ST. JOLIET, IL. 60433-1267	

THE CONTRACTOR SHALL USE ALL NECESSARY PRECAUTIONS AND PROTECTIVE MEASURES REQUIRED TO MAINTAIN EXISTING UTILITIES, SEWER AND APPURTENANCES THAT MUST BE KEPT IN OPERATION. IN PARTICULAR, THE CONTRACTOR WILL TAKE ADEQUATE MEASURES TO PREVENT THE UNDERMINING OF UTILITIES AND SEWERS WHICH ARE STILL IN SERVICE.

IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING MATERIALS.

THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTIES AT ALL TIMES DURING CONSTRUCTION OF THE PROJECT.

IF ANY LOOSE MATERIAL IS DEPOSITED DURING CONSTRUCTION OPERATIONS IN THE FLOW LINE OF DITCHES, GUTTERS OR DRAINAGE STRUCTURES SO THAT IT RESTRICTS THE NATURAL FLOW OF WATER, IT SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. AT THE CONCLUSION OF CONSTRUCTION OPERATIONS, ALL DRAINAGE STRUCTURES SO AFFECTED SHALL BE FREE FROM ALL DEBRIS. THIS WORK SHALL BE CONSIDERED INCLUDED IN THE COST OF THIS CONTRACT.

INDEX OF SHEETS

- 1 COVER SHEET
- 2 INDEX OF SHEETS, LIST OF STANDARDS, GENERAL NOTES & LEGEND
- 3 SUMMARY OF QUANTITIES
- 4 TYPICAL SECTIONS
- 5 SCHEDULES OF QUANTITIES
- 6 PLAN AND PROFILE
- 7 DETOUR PLAN
- 8 ENTRANCE & SPECIAL DETAILS
- 9-34 STRUCTURE PLANS
- 35-36 CROSS SECTIONS

TIE POINT COORDINATES			
TYPE	STA.	NORTHING	EASTING
P.O.T.	7+00.00	9,616.25	9,983.61
P.I.	8+92.20	9,808.45	9,982.55
P.I.	11+05.38	10,021.62	9,982.79
P.O.T.	12+50.00	10,166.20	9,986.57

ALL FRAMES, GRATES, SIGNS, FENCES AND DELINEATORS, NEW OR EXISTING, DAMAGED BY THE CONTRACTOR DURING CONSTRUCTION SHALL BE REPLACED BY THE CONTRACTOR AT HIS EXPENSE.

THE FOLLOWING SHALL BE NOTIFIED BY THE CONTRACTOR AT LEAST TEN (10) DAYS PRIOR TO THE START OF CONSTRUCTION:

JOLIET TWP. H.S. CENTRAL CAMPUS	815-727-6890
JOLIET TWP. H.S. WEST CAMPUS	815-727-6950
LARAWAY SCHOOL BUS BARN	815-727-5196
JOLIET - EAST FIRE DISTRICT	815-723-1504
WILL CO. SHERIFF	815-727-6191

NO WORK SHALL COMMENCE UNTIL TRAFFIC CONTROL REQUIREMENTS ARE MET.

THE CROSS SECTIONS INDICATE THE FINISHED GRADE OF TOPSOIL.

TOPSOIL SHALL NOT BE STOCKPILED WITHIN THE LIMITS OF CONSTRUCTION. THE LOCATIONS OF TOPSOIL TO BE STOCKPILED WITHIN THE RIGHT-OF-WAY MUST BE APPROVED BY THE ENGINEER.

THE FOLLOWING RATES OF APPLICATION HAVE BEEN ASSUMED IN CALCULATING PLAN QUANTITIES:

GRANULAR MATERIALS	2.05 TONS/CU YD	
BITUMINOUS MATERIALS PRIME COAT	0.08 GAL/SQ YD DR	
	0.375 GAL/SQ YD	
AGGREGATE PRIME COAT	0.002 TONS/SQ YD.	
HOT-MIX ASPHALT SURFACE COURSE	112 LBS/SQ YD/INCH	
HOT-MIX ASPHALT BINDER COURSE	112 LBS/SQ YD/INCH	
NITROGEN FERTILIZER NUTRIENT	60 LBS/ACRE (SODDING)	90 LBS/ACRE (SEEDING)
PHOSPHOROUS FERTILIZER NUTRIENT	60 LBS/ACRE (SODDING)	90 LBS/ACRE (SEEDING)
POTASSIUM FERTILIZER NUTRIENT	60 LBS/ACRE (SODDING)	90 LBS/ACRE (SEEDING)
SHORT TERM PAVEMENT MARKING	10 FT/100 FT OF FINAL APPLICATION	
LEVELING BINDER (MACHINE METHOD)	112 LBS/SQ YD/INCH	
MULCH	2 TONS/ACRE	

LEGEND

- PROPOSED PCC SIDEWALK
- PROPOSED HOT-MIX ASPHALT ENTRANCE
- PERIMETER EROSION BARRIER
- TEMPORARY EROSION CONTROL SEEDING (ENTIRE DISTURBED AREA AS DIRECTED BY THE ENGINEER.)

LIST OF STANDARDS

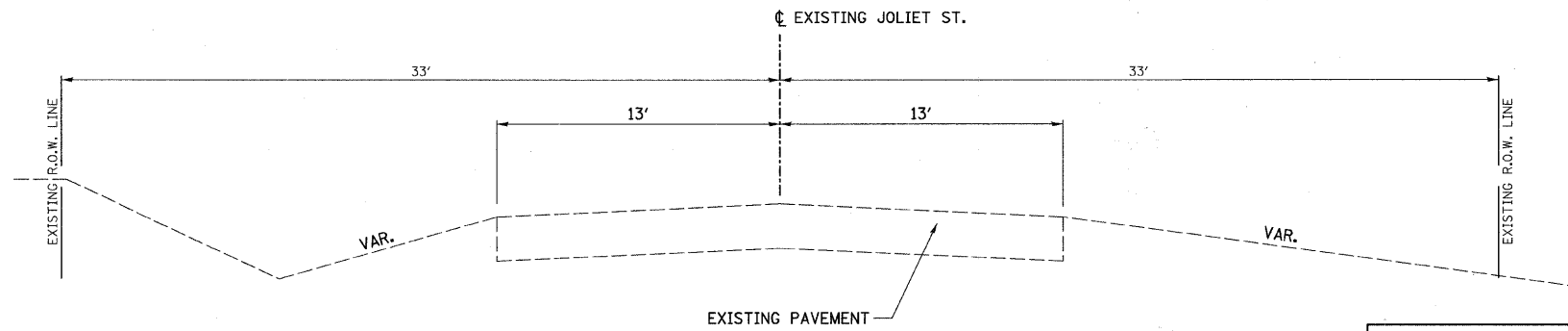
STANDARD NO.	DESCRIPTION
000001-06	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
280001-06	TEMPORARY EROSION CONTROL SYSTEMS
420401-08	BRIDGE APPROACH PAVEMENT CONNECTOR
515001-03	NAME PLATE FOR BRIDGES
606001-04	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
609006-05	BRIDGE APPROACH PAVEMENT (DRAIN DETAIL)
630001-10	STEEL PLATE BEAM GUARDRAIL
630301-05	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
631031-10	TRAFFIC BARRIER TERMINAL, TYPE 6
635011-02	REFLECTOR MARKER AND MOUNTING DETAILS
701901-02	TRAFFIC CONTROL DEVICES
780001-03	TYPICAL PAVEMENT MARKINGS

SUMMARY OF QUANTITIES

SPECIALTY ITEM &/OR SPECIAL PROVISION	CODE NO.	DESCRIPTION	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		SPECIALTY ITEM &/OR SPECIAL PROVISION	CODE NO.	DESCRIPTION	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
					0004	0014						0004	0014	
					ROADWAY	STRUCTURE						ROADWAY	STRUCTURE	
	20200100	EARTH EXCAVATION	CU YD	62	62			52000110	PREFORMED JOINT STRIP SEAL	FOOT	85		85	
SP	20400800	FURNISHED EXCAVATION	CU YD	9	9			52100010	ELASTOMERIC BEARING ASSEMBLY, TYPE I	EACH	12		12	
	21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	242	242			52100520	ANCHOR BOLTS, 1"	EACH	24		24	
	25000210	SEEDING, CLASS 2A	ACRE	0.5	0.5			54210182	PIPE ELBOW, 12"	EACH	2	2		
	25000400	NITROGEN FERTILIZER NUTRIENT	POUND	45	45			54215547	METAL END SECTIONS 12"	EACH	2	2		
	25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	45	45			58700300	CONCRETE SEALER	SQ FT	400		400	
	25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	45	45			60103500	PIPE DRAINS, CORRUGATED STEEL 12"	FOOT	32	32		
	25100115	MULCH, METHOD 2	ACRE	1	1			60608300	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-2.12	FOOT	184	184		
	28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	200	200			60900140	TYPE B INLET BOX, STANDARD 609006	EACH	2	2		
	28000400	PERIMETER EROSION BARRIER	FOOT	258	258			SI	63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	1	1	
	31101200	SUB-BASE GRANULAR MATERIAL, TYPE B 4"	SQ YD	1164	1164			SI	63100070	TRAFFIC BARRIER TERMINAL, TYPE 5	EACH	1	1	
	35101600	AGGREGATE BASE COURSE, TYPE B 4"	SQ YD	331	331			SI	63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	2	2	
SP	40201000	AGGREGATE FOR TEMPORARY ACCESS	TON	114	114			SI	63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	2	2	
	40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	530	530			SP	63200310	GUARDRAIL REMOVAL	FOOT	34	34	
	40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	127	127			SP, SI	63300725	STEEL PLATE BEAM GUARDRAIL (SHORT RADIUS)	FOOT	41.5	41.5	
	40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	3	3				67100100	MOBILIZATION	L SUM	1	1	
	40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	34	34			BDE, SI	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	110	110	
	42001300	PROTECTIVE COAT	SQ YD	32	32			SP, SI	78200410	GUARDRAIL MARKERS, TYPE A	EACH	16	16	
	42001430	BRIDGE APPROACH PAVEMENT CONNECTOR (FLEXIBLE)	SQ YD	533	533			SP, SI	78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	2	2	
	42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	574	574			GBSP	X2070304	POROUS GRANULAR EMBANKMENT, SPECIAL	CU YD	36		36
	44000100	PAVEMENT REMOVAL	SQ YD	797	797			SP	X7010216	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L SUM	1	1	
	44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	242	242			GBSP	Z0001899	JACK AND REMOVE EXISTING BEARINGS	EACH	12		12
	48101200	AGGREGATE SHOULDERS, TYPE B	TON	66	66			GBSP, SI	Z0007112	CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES	L SUM	1		1
	48203035	HOT-MIX ASPHALT SHOULDERS, 9 1/2"	SQ YD	52	52			GBSP, SI	Z0010501	CLEANING AND PAINTING STEEL BRIDGE NO. 1	L SUM	1		1
	50102400	CONCRETE REMOVAL	CU YD	13.3		13.3			Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1	
	50104720	REMOVAL OF EXISTING CONCRETE DECK	EACH	1		1		SP	Z0018002	DRAINAGE SCUPPERS, DS-11	EACH	2		2
	50200100	STRUCTURE EXCAVATION	CU YD	48		48		BDE	Z0076600	TRAINEES *	HOUR	500		500
	50300225	CONCRETE STRUCTURES	CU YD	35.4		35.4								
	50300255	CONCRETE SUPERSTRUCTURE	CU YD	328.8		328.8								
	50500405	FURNISHING AND ERECTING STRUCTURAL STEEL	POUND	16900		16900								
	50500505	STUD SHEAR CONNECTORS	EACH	2160		2160								
	50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	77900		77900								
	50800515	BAR SPLICERS	EACH	74		74								
SI	50900105	ALUMINUM RAILING, TYPE L	FOOT	143		143								
	51500100	NAME PLATES	EACH	1		1								

SP=SPECIAL PROVISION SI=SPECIALITY ITEM BDE=BUREAU OF DESIGN AND ENVIRONMENT GBSP=GUIDE BRIDGE SPECIAL PROVISION

*(TRAINEES) CONSTRUCTION CODE IS "0042"



HOT-MIX ASPHALT MIXTURE REQUIREMENTS			
THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT.			
MIXTURE TYPE	AIR VOIDS	LIFT THICKNESS	USE
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50,	4% @ 70 GYR	1 1/2"	SURFACE
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 8"	4% @ 70 GYR	2"	BINDER
INCIDENTAL HOT-MIX ASPHALT SURFACING, MIX "D", N50, 2"	4% @ 70 GYR	2"	SIDERROADS & ENTRANCES
HOT-MIX ASPHALT SHOULDERS, (HMA BINDER, IL-19.0), N50, 9 1/2"	4% @ 70 GYR	2"	SHOULDERS

NOTES: THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SO YD/IN. THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 70-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS. FOR "PERCENT OF RAP" SEE DISTRICT ONE SPECIAL PROVISIONS.

**EXISTING TYPICAL SECTION
JOLIET ST.**

STA. 7+75.88 TO STA. 9+22.37
STA. 10+74.96 TO STA. 12+04.33

JOLIET ST. STRUCTURAL PAVEMENT DESIGN

STRUCTURAL DESIGN TRAFFIC (S.D.T.) YEAR 2020

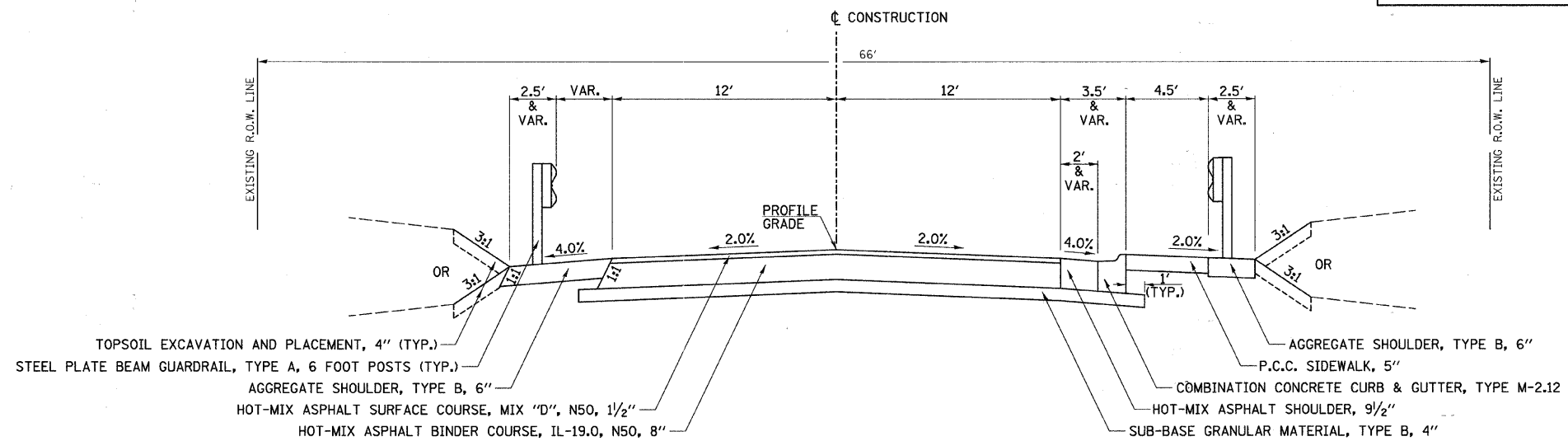
PV = 2574 SU = 117 MU = 234

CLASS II ROAD
SUB-GRADE SUPPORT RATING: POOR
PERCENT OF S.D.T. IN DESIGN LANE: 50%

TRAFFIC FACTOR = 0.84

PAVEMENT STRUCTURE MATERIALS RECONSTRUCTION:

SURFACE COURSE TYPE: HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 1 1/2"
BASE COURSE TYPE: HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 8"
SUB-BASE TYPE: SUB-BASE GRANULAR MATERIAL, TYPE B, 4"



**PROPOSED TYPICAL SECTION
JOLIET ST.**

STA. 7+75.88 TO STA. 7+90.81 (NO CURB & GUTTER OR SIDEWALK)

BRIDGE APPROACH PAVEMENT CONNECTOR
STA. 7+90.81 TO STA. 8+90.81
STA. 11+04.33 TO STA. 12+04.33

(SEE BRIDGE PLANS FOR TYPICAL SECTION.)

PROPOSED TYPICAL BRIDGE CROSS SECTION

STA. 8+90.81 TO STA. 9+20.81 (BRIDGE APPROACH)
STA. 9+20.81 TO STA. 10+74.33 (BRIDGE)
STA. 10+74.33 TO STA. 11+04.33 (BRIDGE APPROACH)

FILE NAME = V:\2882\2882\001.dgn	USER NAME = bdcraene	DESIGNED -	REVISED - 10/20/2011	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	JOLIET ST., TYPICAL SECTIONS			RTE. NO. N/A	SECTION 07-10117-00-BR	COUNTY WILL	TOTAL SHEETS 36	SHEET NO. 4
	PLOT SCALE = 4.000' / IN.	CHECKED -	REVISED -		SCALE: N/A	SHEET NO. 1 OF 1 SHEETS	STA. N/A	TO STA. N/A	CONTRACT NO. 63642			
	PLOT DATE = 10/21/2011	DATE -	REVISED -		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT							

TOPSOIL, SEEDING, MULCH & NUTRIENTS									
STATION +/-	TO	STATION +/-	SIDE	TOPSOIL FURNISH AND PLACE, 4"	SEEDING, CLASS 2A	MULCH, METHOD 2	NITROGEN FERTILIZER NUTRIENT	PHOSPHORUS FERTILIZER NUTRIENT	POTASSIUM FERTILIZER NUTRIENT
				SQ YD	ACRE	ACRE	POUND	POUND	POUND
7+75.9	TO	12+04.3	LT & RT	241.5	0.5	0.5	45.0	45.0	45.0
TOTAL				242	0.5	0.5	45	45	45

FERTILIZER NUTRIENTS ARE FIGURED AT THE RATE OF APPLICATION OF 90 POUNDS/ACRE.

ENTRANCE AND SIDE ROAD						
STATION	SIDE	TYPE	AGGREGATE BASE COURSE, TYPE B, 4"	HOT MIX ASPHALT BINDER COURSE, IL-19.0, N70	INCIDENTAL HOT-MIX ASPHALT SURFACING	BITUMINOUS MATERIALS (PRIME COAT) 0.375 G/SY
			SQ YD	TON	TON	GAL
11+31.0	LT	SIDEROAD	260.6	85.4	27.1	97.7
11+56.6	RT	PE	69.8	22.4	6.9	26.2
SUB-TOTAL			330.4	107.8	34.0	123.9
TOTAL			331	108	34	124

AGGREGATE FOR TEMPORARY ACCESS					
STATION	SIDE	WIDTH	LENGTH	THICKNESS	TON
		FOOT			
11+31.0	LT	10	132	0.75	75.2
11+56.6	RT	10	68	0.75	38.7
SUB-TOTAL					113.9
TOTAL					114

EARTHWORK							
STATION	TO	STATION	1	2	3	4	5
			EARTH EXCAVATION	EARTH EXCAVATION TO BE USED IN EMBANKMENT ADJUSTED FOR SHRINKAGE	EMBANKMENT	EARTHWORK BALANCE WASTE(+) OR SHORTAGE(-)	
7+75.9	TO	12+04.3	62.0	52.7	62.0	-9.3	
TOTAL			62	53	62	-9	

SHRINKAGE FACTORS: 15%
EARTH EXCAVATION:
COLUMN 1, 2, 3 & 4 - LOCATION AND QUANTITIES FROM CROSS SECTIONS.
CUT = EARTH EXCAVATION AND FILL = EMBANKMENT
COLUMN 3 = COLUMN 2 x (1 - EARTH EXCAVATION SHRINKAGE FACTOR)
COLUMN 5 = COLUMN 3 - COLUMN 4

PAY ITEMS:
COLUMN 2 IS EARTH EXCAVATION = 62 CU YD
COLUMN 5 IS FURNISHED EXCAVATION = 9 CU YD
COMPENSATION STORAGE AREA IS INCLUDED IN THE EARTH EXCAVATION.

PAVEMENT										
STATION	TO	STATION	BITUMINOUS MATERIALS (PRIME COAT) (0.375 GAL/SY)	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 8"	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 1-1/2"	BRIDGE APPROACH PAVEMENT CONNECTOR (FLEXIBLE)	SUB-BASE GRANULAR MATERIAL, TYPE B, 4"	AGGREGATE SHOULDERS, TYPE B, 6"	HOT-MIX ASPHALT SHOULDERS, 9-1/2"	COMMENTS
			GALLON	TON	TON	SQ YD	SQ YD	TON	SQ YD	
7+57.88	TO	7+90.81	154.4	19	3		493	3	5	
7+90.81	TO	8+90.80	126.1			267	336	39	26	AGGREGATE SHOULDER EXTENDS TO BRIDGE
11+04.33	TO	12+04.33	125.3			267	334	24	21	AGGREGATE SHOULDER FROM BRIDGE TO END
TOTAL			406	19	3	533	1164	66	52	

TEMPORARY EROSION CONTROL SEEDING								
STATION +/-	TO	STATION +/-	SIDE	ACRES	POUNDS PER APPLICATION PER ACRE	NUMBER OF APPLICATIONS	TOTAL POUND	MULCH, METHOD 2 ACRE
7+75.9	TO	12+04.3	LT & RT	0.5	100.0	4	200	0.5
TOTAL							200	0.5

MULCH METHOD 2 IS USED FOR TEMPORARY MULCHING, ONLY ONE APPLICATION OF MULCHING HAS BEEN INCLUDED. SEEDING CLASS 7 WILL BE USED FOR TEMPORARY EROSION CONTROL SEEDING.

PAVEMENT REMOVAL			
STATION	TO	STATION	AREA SQ YD
7+75.88	TO	9+22.37	423.2
10+74.96	TO	12+04.33	373.7
TOTAL			797

REMOVAL OF ANY SUB-BASE IS TO BE CONSIDERED INCLUDED IN THE COST OF THE PAVEMENT REMOVAL.

DRIVEWAY PAVEMENT REMOVAL		
STATION	SIDE	HOT-MIX ASPHALT SQ YD
11+05.4	LT	241.9
TOTAL		242

PIPE DRAINS					
STATION	SIDE	PIPE DRAINS, CORRUGATED STEEL, 12"	PIPE ELBOW, 12"	METAL END SECTIONS, 12"	TYPE B INLET BOX, STANDARD 609006
		FOOT	EACH	EACH	EACH
9+05.74	LT	6	1		1
9+11.19	LT	6		1	
9+24.36	RT	12	1		1
9+31.83	RT	8		1	
TOTAL		32	2	2	2

PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH			
LOCATION	WIDTH FOOT	SIDE	PCC SIDEWALK, 5 INCH SQ FT
SOUTHEAST QUADRANT	4.5	RT	477.0
NORTHEAST QUADRANT	4.5	RT	96.8
SUB-TOTAL			573.8
TOTAL			574

COMBINATION CONCRETE CURB AND GUTTER			
LOCATION	SIDE	TYPE M-2.12 FOOT	PROTECTIVE COAT SQ YD
SOUTHEAST QUADRANT	RT	104.7	17.5
NORTHEAST QUADRANT	RT	72.9	12.2
* OUTLET	RT	6.0	1.8
TOTAL		184	32

*SEE SPECIAL PROVISIONS AND SPECIAL DETAILS.

PERIMETER EROSION BARRIER				
STATION	TO	STATION	SIDE	LENGTH FOOT
8+50.00	TO	9+11.22	LT	60.0
8+75.00	TO	9+32.24	RT	57.0
10+86.44	TO	11+92.40	RT	90.0
11+29.70	TO	11+75.00	LT	51.0
TOTAL				258

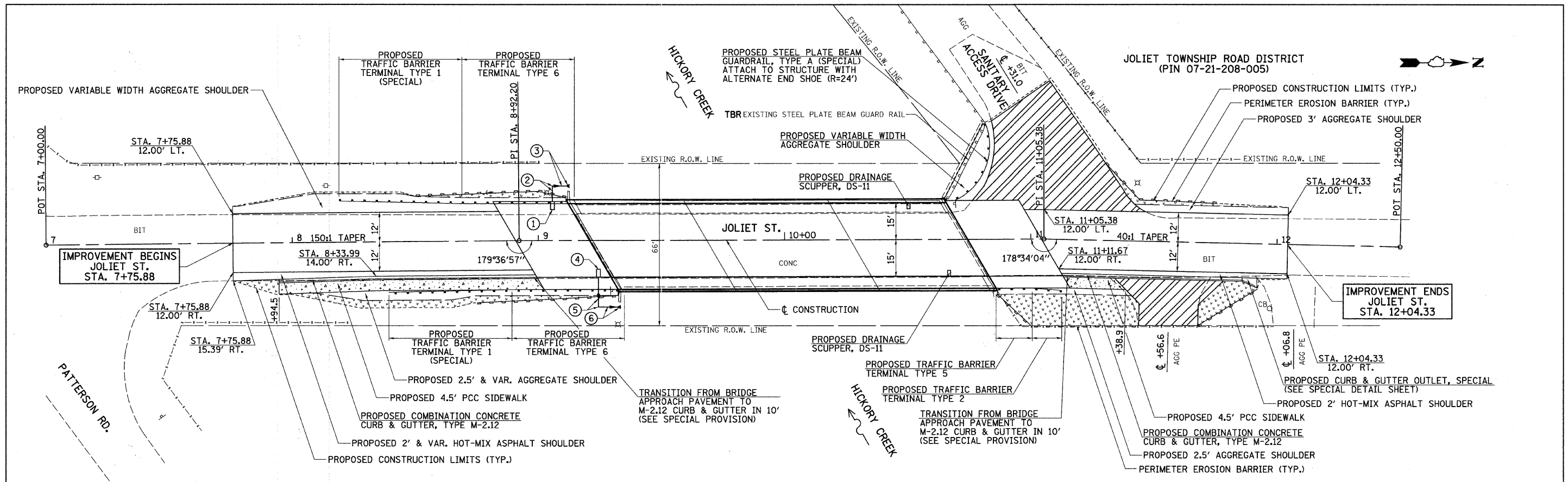
PERIMETER EROSION BARRIER IS SILT FENCE.

THERMOPLASTIC PAVEMENT MARKING			
STATION	TO	STATION	LINE 4" DOUBLE YELLOW CENTERLINE FOOT
7+75.9	TO	12+04.3	110
TOTAL			110

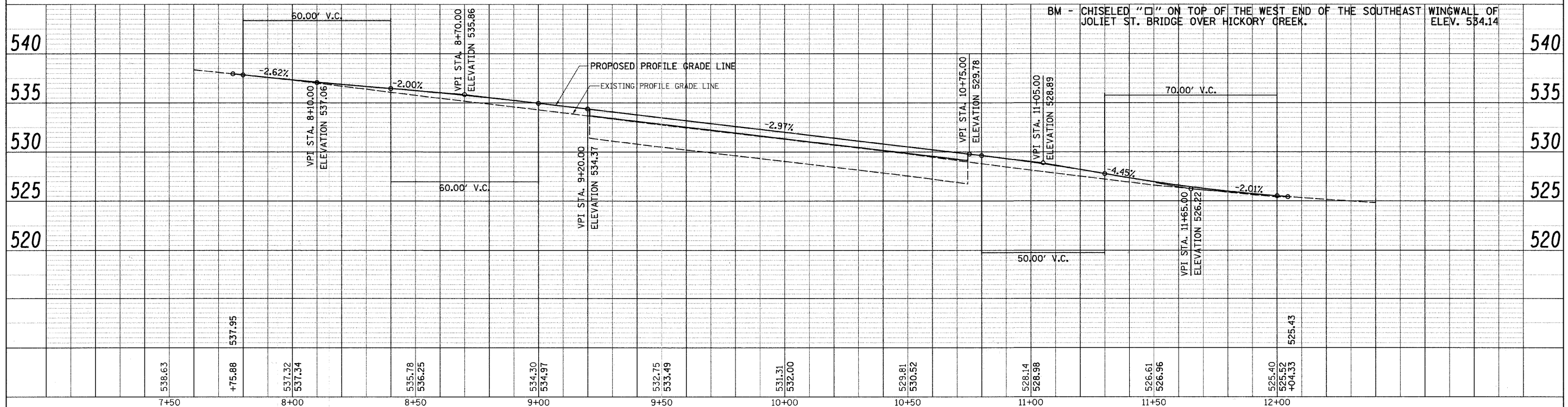
STEEL PLATE BEAM GUARDRAIL								
LOCATION	STEEL PLATE BEAM GUARDRAIL (SHORT RADIUS) FOOT	TRAFFIC BARRIER TERMINAL TYPE 1 (SPECIAL) TANGENT EACH	TRAFFIC BARRIER TERMINAL, TYPE 2 EACH	TRAFFIC BARRIER TERMINAL, TYPE 5 EACH	TRAFFIC BARRIER TERMINAL, TYPE 6 EACH	TERMINAL MARKER DIRECT APPLIED EACH	REFLECTOR MARKERS, TYPE A EACH	GUARDRAIL REMOVAL FOOT
SOUTHWEST SIDE		1			1	1	4	
SOUTHEAST SIDE		1			1	1	4	
NORTHWEST SIDE	41.5						4	34
NORTHEAST SIDE			1	1			4	
TOTAL		41.5	2	1	1	2	16	34

PLAN	SURVEYED	DATE
NOTE BOOK	ALIGNED	BY
NO.	RT. OF WAY CHECKED	
	NO.	
	DATE	
	BY	

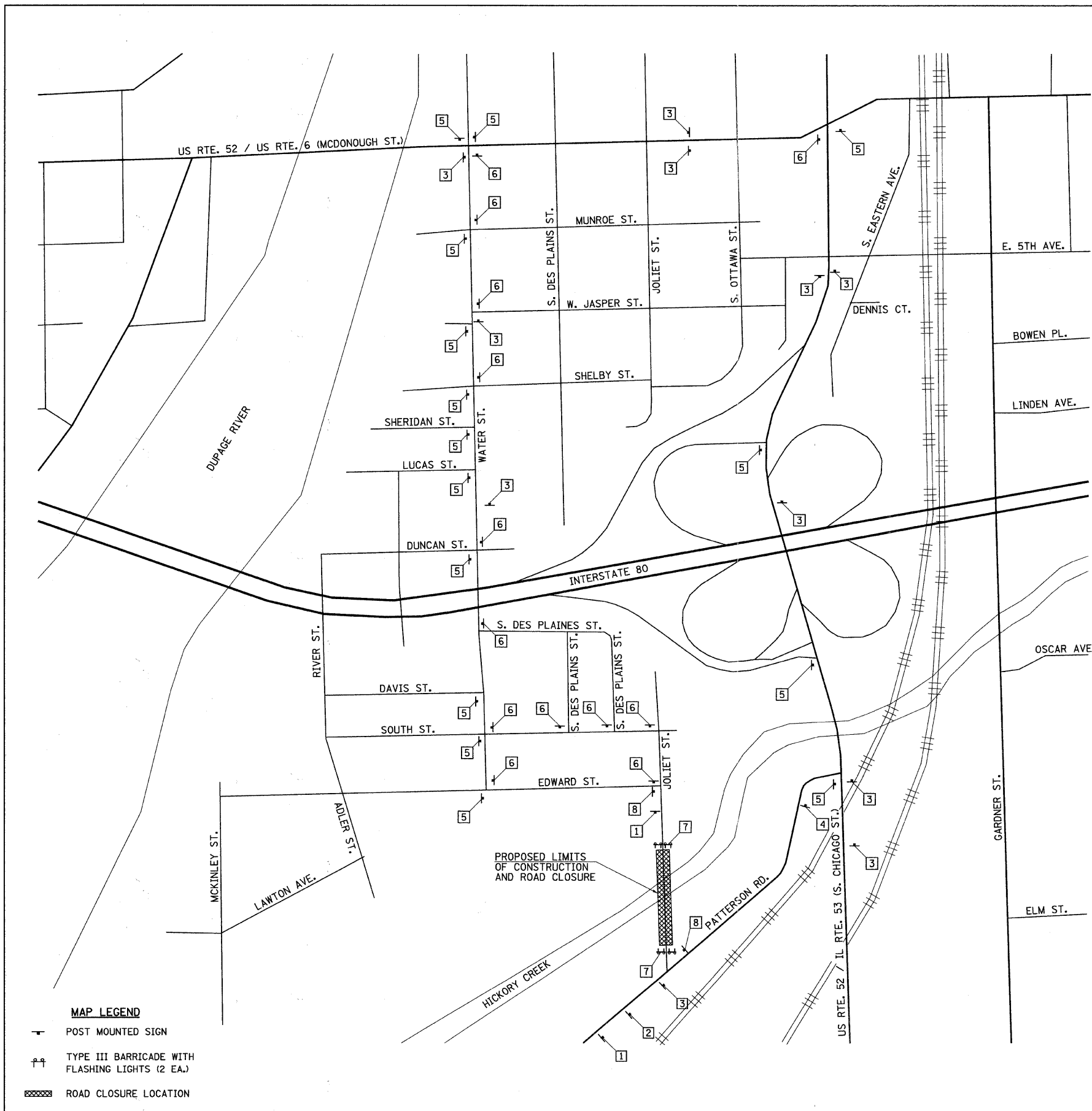
PROFILE	SURVEYED	DATE
NOTE BOOK	GRADES CHECKED	BY
NO.	NO. NOTES	
	STRUCTURE NOTATIONS CHECKED	
	NO.	
	DATE	
	BY	



- ① PROPOSED TYPE B INLET BOX, STANDARD 609006 STA. 9+05.74, 15.92' LT. GRATE ELEV. 534.63 INV. 532.55
- ② PROPOSED PIPE DRAIN W/ 12" DIA. ELBOW 90° BEND STA. 9+05.74, 22.17' LT. 12"x6' CORRUGATED STEEL INV. 531.28
- ③ PROPOSED PIPE DRAIN W/ END SECTION (STD. 542401) STA. 9+11.19, 22.15' LT. 12"x6' CORRUGATED STEEL INV. 530.01
- ④ PROPOSED TYPE B INLET BOX, STANDARD 609006 STA. 9+24.36, 15.00' RT. GRATE ELEV. 533.97 INV. 531.89
- ⑤ PROPOSED PIPE DRAIN W/ 12" DIA. ELBOW 90° BEND STA. 9+24.36, 27.23' RT. 12"x12' CORRUGATED STEEL INV. 530.89
- ⑥ PROPOSED PIPE DRAIN W/ END SECTION (STD. 542401) STA. 9+31.83, 27.26' RT. 12"x8' CORRUGATED STEEL INV. 530.57



FILE NAME = V:\2882\2882p001.dgn	USER NAME = bdeoraene	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	JOLIET ST. PLAN & PROFILE	RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = 20.0000 / IN.	CHECKED -	REVISED -	N/A			07-10117-00-BR	WILL	36	6	
PLOT DATE = 10/3/2011	DATE -	REVISED -	CONTRACT NO. 63642							
SCALE: H=20 V=5 SHEET NO. 1 OF 1 SHEETS STA. 7+00 TO STA. 13+00						ILLINOIS FED. AID PROJECT				



- | | | | | |
|-------------------------------------|---|-------------------------------------|---|--|
| <p>1</p> <p>2</p> <p>3</p> <p>4</p> | <p>FLASHING WARNING LIGHT</p> <p>ROAD CLOSED AHEAD</p> <p>JOLIET STREET</p> <p>W20-3
36"x36"</p> <p>W17-I 101
12"x24"</p> <p>FLASHING WARNING LIGHT</p> <p>ROAD CLOSED 500 FT</p> <p>JOLIET STREET</p> <p>W17-I 101
12"x24"</p> <p>JOLIET STREET</p> <p>DETOUR</p> <p>W17-I 101
12"x24"</p> <p>DETOUR</p> <p>W17-I 101
12"x24"</p> <p>DETOUR</p> <p>W17-I 101
12"x24"</p> <p>DETOUR</p> <p>W17-I 101
12"x24"</p> <p>DETOUR</p> <p>W17-I 101
12"x24"</p> | <p>5</p> <p>6</p> <p>7</p> <p>8</p> | <p>JOLIET STREET</p> <p>DETOUR</p> <p>←</p> <p>JOLIET STREET</p> <p>DETOUR</p> <p>→</p> <p>ROAD CLOSED</p> <p>END</p> <p>DETOUR</p> <p>↙</p> | <p>W17-I 101
12"x24"</p> <p>M4-8
24"x12"</p> <p>M6-1L
21"x15"</p> <p>W17-I 101
12"x24"</p> <p>M4-8
24"x12"</p> <p>M6-1R
21"x15"</p> <p>R11-2
48"x30"</p> <p>M4-8A
24"x18"</p> <p>W17-I 101
12"x24"</p> <p>M4-8
24"x12"</p> <p>M6-3
21"x15"</p> <p>W17-I 101
12"x24"</p> <p>M4-8
24"x12"</p> <p>M5-1L
21"x15"</p> |
|-------------------------------------|---|-------------------------------------|---|--|

GENERAL NOTES

- 1.) THE ENGINEER SHALL BE NOTIFIED IN WRITING AT LEAST THREE WEEKS PRIOR TO THE DAY THE ROAD IS TO BE CLOSED.
- 2.) THE CONTRACTOR SHALL SUPPLY TO THE ENGINEER THE NAMES TELEPHONE NUMBERS OF HIS OR HER REPRESENTATIVES RESPONSIBLE FOR THE ROAD CLOSURE PRIOR TO THE START OF WORK.
- 3.) THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT ALL BARRICADES, SIGNS, LIGHTS AND OTHER DEVICES INSTALLED BY HIM OR HER ARE IN PLACE AND OPERATING 24 HOURS EACH DAY INCLUDING SUNDAYS AND HOLIDAYS DURING THE TIME THE CLOSURE IS IN EFFECT.
- 4.) THE CONTRACTOR SHALL MAKE ALL CHANGES IN SIGNING THAT ARE DEEMED NECESSARY BY THE ENGINEER.
- 5.) THE ENGINEER SHALL BE NOTIFIED AT LEAST TWO (2) HOURS BEFORE THE ROAD IS TO BE OPENED TO TRAFFIC.
- 6.) THE COST OF THE ITEMS ASSOCIATED WITH THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE LUMP SUM ITEM FOR TRAFFIC CONTROL & PROTECTION.
- 7.) EMERGENCY SERVICES AND SCHOOLS ARE TO BE NOTIFIED A WEEK BEFORE ROAD CLOSURE AS NOTED IN THE SPECIAL PROVISIONS.
- 8.) A CHANGEABLE MESSAGE BOARD WILL BE PLACED NORTH AND SOUTH OF THE EXISTING BRIDGE FOR SEVEN CALENDAR DAYS IN ADVANCE OF THE CLOSURE TO NOTIFY MOTORISTS OF THE SCHEDULED CLOSURE.
- 9.) ALL TYPE ONE, TYPE TWO, AND TYPE THREE BARRICADES WILL REQUIRE BALLAST (MINIMUM 2 SANDBAGS PER BARRICADE) TO HOLD THEM IN PLACE "SANDBAGS WILL BE PLACED ON BARRICADE LEGS, OVER STRIPED BOTTOM RAILS NOT FACING TRAFFIC, OVER UNSTRIPED BOTTOM RAILS, OR SUSPENDED FROM THE BARRICADE RAIL OR FRAME IN SUCH A MANNER SO THE BULK OF THE SAND IS AT LEAST 18 INCHES BELOW THE TOP OF THE BARRICADE."
- 10.) THE INITIAL ERECTION OF A TRAFFIC CONTROL INSTALLATION SHALL NOT INCLUDE DEVICES THAT ARE BENT, SCRATCHED, FADED, WORN DIRTY, OR OTHERWISE PRESENT A WORN AND SHABBY APPEARANCE. THE CONTRACTOR IS REQUIRED TO CONDUCT ROUTINE INSPECTIONS OF THE WORKSITE AT A FREQUENCY THAT WILL ALLOW FOR THE PROMPT REPLACEMENT OF ANY TRAFFIC CONTROL DEVICE THAT HAS BECOME DISPLACED, WORN, OR DAMAGED TO THE EXTENT IT NO LONGER CONFORMS TO THE SHAPE, DIMENSIONS, COLOR, AND OPERATIONAL REQUIREMENTS OF THE MUTCD/ILLINOIS SUPPLEMENT, AND THE TRAFFIC CONTROL STANDARDS OR NO LONGER PRESENTS A NEAT APPEARANCE TO MOTORISTS. A SUFFICIENT QUANTITY OF REPLACEMENT DEVICES, BASED ON VULNERABILITY TO DAMAGE, SHALL BE READILY AVAILABLE TO MEET THIS REQUIREMENT.
- 11.) IF THE CONTRACTOR FAILS TO RESPOND WITHIN TWO (2) HOURS ON THE INITIAL ATTEMPT OF NOTIFICATION BY THE ENGINEER, AND/OR FAILS TO RESTORE THE TRAFFIC CONTROL AND PROTECTION IN COMPLIANCE WITH THIS POLICY AT THE EARLIEST OPPORTUNITY, BUT IN NO CASE GREATER THAN EIGHT (8) HOURS OF THE ORIGINAL ATTEMPT OF NOTIFICATION, THE ENGINEER MAY EXECUTE SUCH WORK AS DEEMED NECESSARY TO CORRECT THE DEFICIENCIES.

NOTE: THIS WORK SHALL BE INCLUDED IN THE COST OF "TRAFFIC CONTROL AND PROTECTION (SPECIAL)".

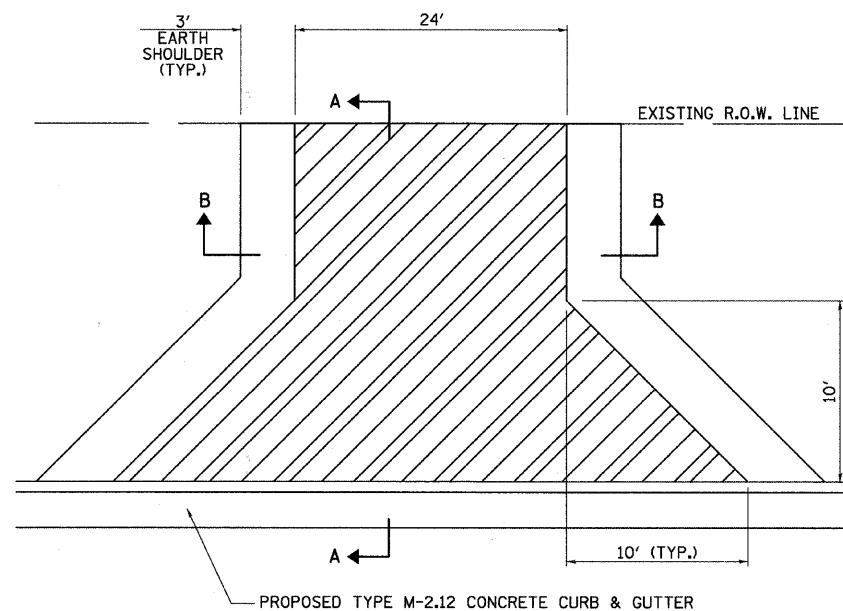
MAP LEGEND

—	POST MOUNTED SIGN
††	TYPE III BARRICADE WITH FLASHING LIGHTS (2 EA.)
▨	ROAD CLOSURE LOCATION

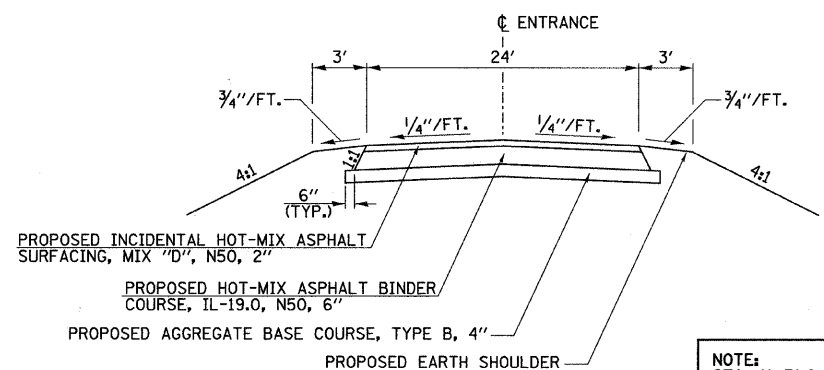
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		CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

JOLIET ST., DETOUR PLAN		RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		N/A	07-10117-00-BR	WILL	36	7
		CONTRACT NO. 63642				
SCALE: N/A	SHEET NO. 1 OF 1 SHEETS	STA. N/A	TO STA. N/A		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT	

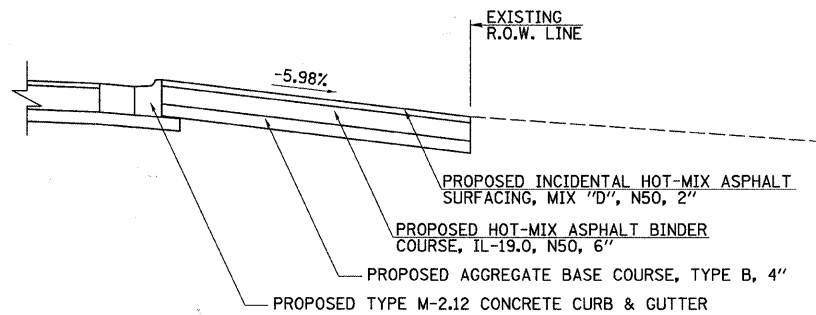


PLAN
(ONLY APPLIES TO STA. 11+56.6)



SECTION B-B

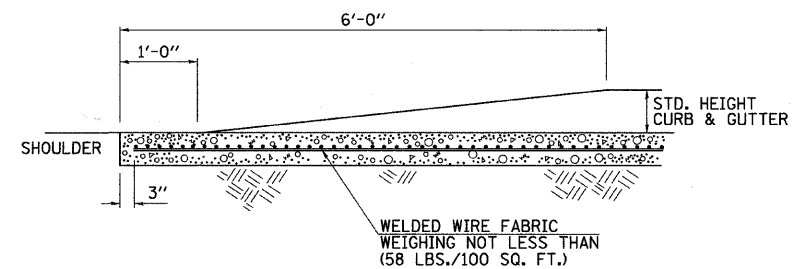
NOTE:
STA. 11+31.0 (ON SKEW) LT.
SANITARY ACCESS DRIVE
WILL MATCH EXISTING WIDTH
AND IS THE SAME PAVEMENT
THICKNESS AS SECTION A-A.
ALSO SEE CROSS SECTION.



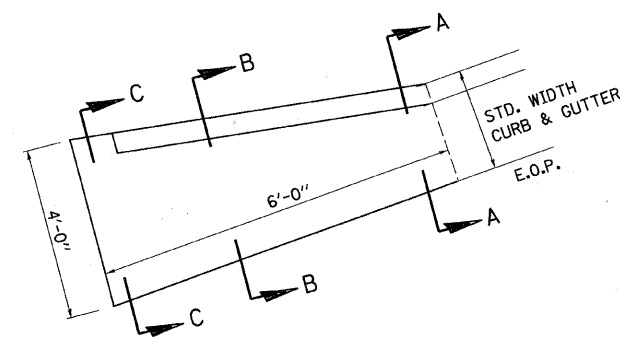
SECTION A-A

PRIVATE ENTRANCE WITH CURB & SIDEROAD DETAILS

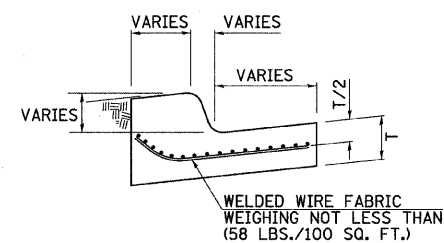
STA. 11+31.0 (LT. (SEE NOTE))
STA. 11+56.6 (RT.)



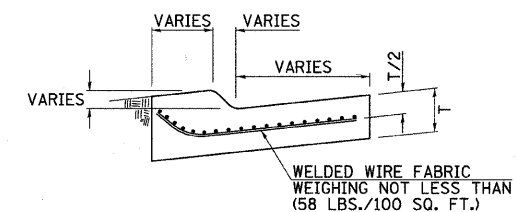
CURB DETAIL



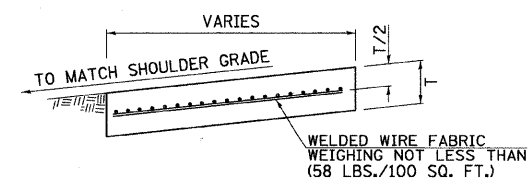
PLAN



SECTION A-A



SECTION B-B



SECTION C-C

CURB & GUTTER OUTLET, SPECIAL

(TO BE PAID FOR AS COMBINATION CONCRETE CURB & GUTTER, TYPE M-2.12)

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		DRAWN -	REVISED -
		CHECKED -	REVISED -
		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

JOLIET ST., ENTRANCE & SPECIAL DETAILS

SCALE: N/A SHEET NO. 1 OF 1 SHEETS STA. N/A TO STA. N/A

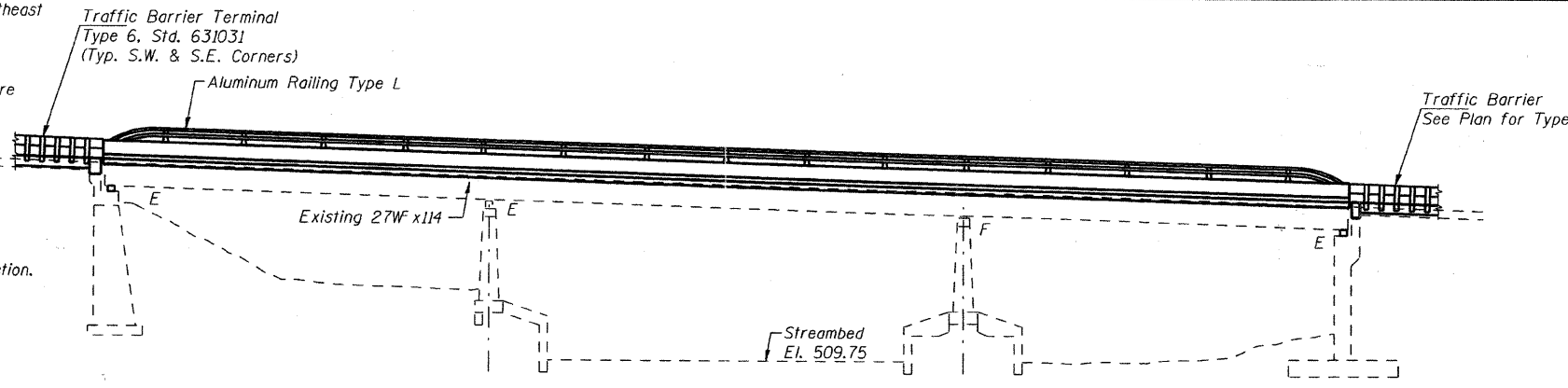
RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	07-10117-00-BR	WILL	36	8
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 63642	

BM: Chiseled "□" on top of west end of southeast wingwall. Sta. 9+33.21' Rt. Elev. 534.14

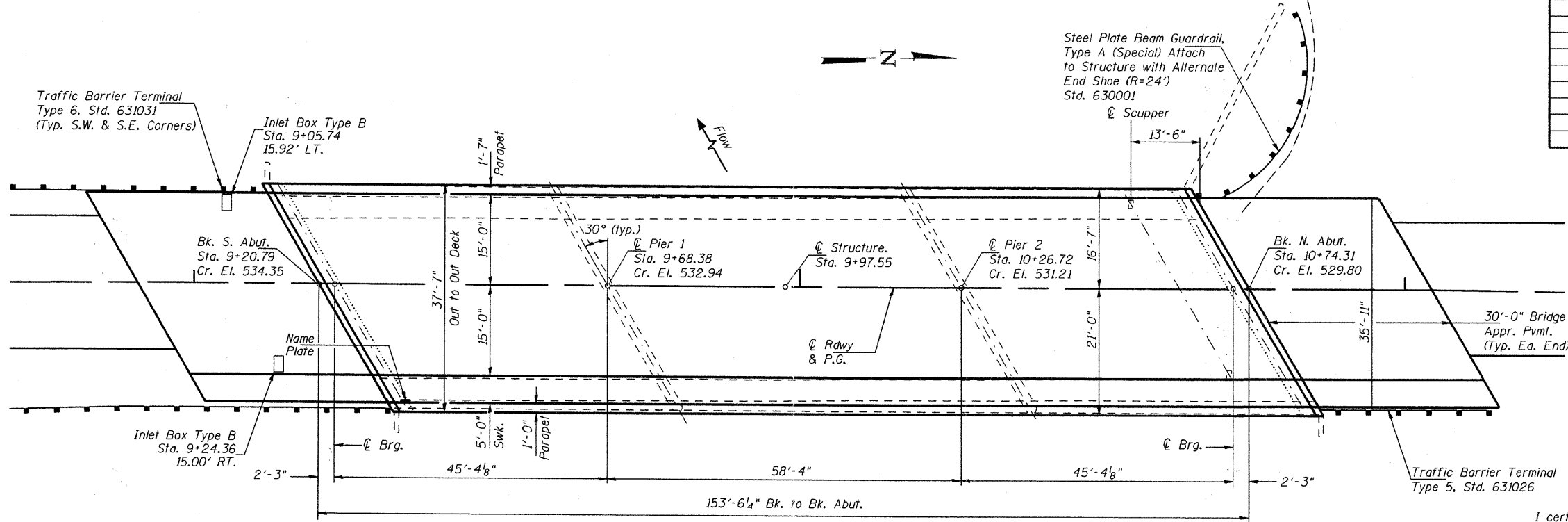
Ex. Str.: 3-span continuous RC deck on steel I-beam (noncomposite) superstructure on conc. closed abutments on footings and conc. solid wall piers on footings. The str. is 153'-6 1/4" bk. to bk. abutments, 35'-8" out to out of deck w/ a 26'-0" driving surface, 2'-4" sidewalks and is skewed 30°. Str. No. 099-3290

Salvage: None

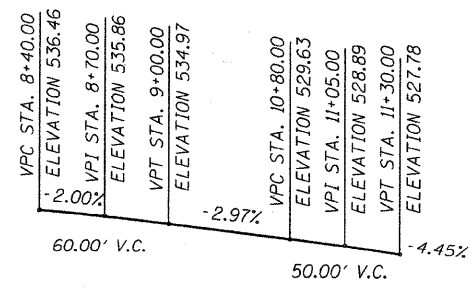
Road to be closed to traffic during construction.



ELEVATION



PLAN



PROFILE GRADE

DESIGNED	NPH
CHECKED	BAN
DRAWN	NPH
CHECKED	BAN

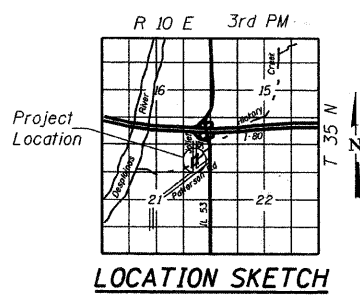
2882B001

LOADING HL-93
Allow 50#/sq. ft. for future wearing surface.

DESIGN SPECIFICATIONS
2007 AASHTO LRFD Bridge Design Specifications With Interims

DESIGN STRESSES
FIELD UNITS (NEW CONSTRUCTION)
f'c = 3,500 psi
fy = 60,000 psi (Reinforcement)
fy = 50,000 psi (M270 Grade 50)

FIELD UNITS (EXISTING STRUCTURE)
f'c = 3,000 psi
fy = 40,000 psi (Reinforcement)
fy = 33,000 psi (Str. Steel)



LOCATION SKETCH

BRIDGE PLANS INDEX TO SHEETS

SHEET #s	DESCRIPTION
1	General Plan
2	General Plan Details
3 & 4	Top of Slab Elevations
5	Top of Slab Elevations South Approach Pavement
6	Top of Slab Elevations North Approach Pavement
7	Superstructure
8 & 9	Superstructure Details
10 & 11	South Approach Slab Details
12 & 13	North Approach Slab Details
14	Aluminum Railing, Type L
15	Preformed Joint Strip Seal Details
16	Structural Steel Details
17	Steel Repair Details
18	South Abutment Bearing Details
19	North Abutment Bearing Details
20	South Abutment Concrete Removal
21	South Abutment Details
22	North Abutment Concrete Removal
23	North Abutment Details
24	Drainage Scupper Details
25	Bar Splicer Assembly
26	Braces for Standard Construction

HICKORY CREEK REBUILT 2011 BY JOLIET TOWNSHIP WILL COUNTY TR 851 STATION 9+97.55 SECTION 07-10117-00-BR LOADING HL-93 STRUCTURE NO. 099-3290

NAME PLATE
(See Std. 515001)

Attach new name plate at south end of east parapet. Clean and relocate existing name plate adjacent to new name plate. Cost included with name plates.

Note:
For Bill of Materials and General Notes See sheet 2 of 26.

BENJAMIN A. NEEL
081-006527
ILLINOIS
ENGINEER
Lic. Exp. 11/30/2012

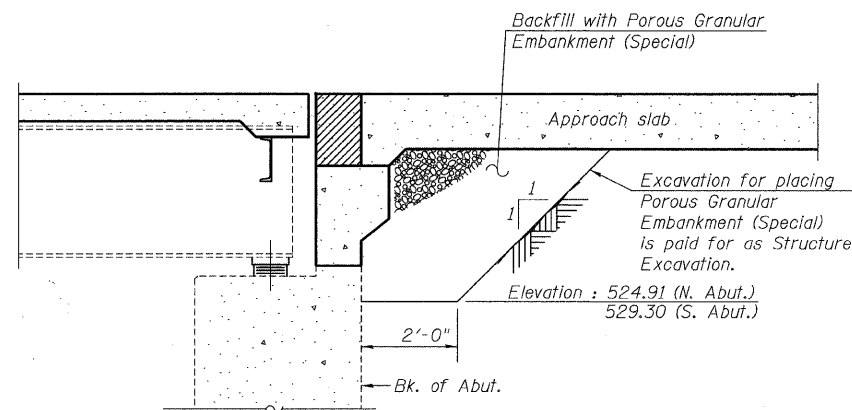
I certify that to the best of my knowledge, information and belief, this bridge design is structurally adequate for the design loading shown on the plans. The design is an economical one for the style of structure and complies with requirements of the current AASHTO LRFD Bridge Design Specifications. This design complies with all requirements of the current AASHTO Guide Specifications for Seismic Design of highway bridges.

Ben A. Neel 10/4/2011
Illinois Structural No. 6527
Expires 11/30/2012

GENERAL PLAN & ELEVATION
JOLIET STREET (TR 851) OVER HICKORY CREEK
SECTION 07-10117-00-BR
WILL COUNTY
STATION 9+97.55
STRUCTURE NO. 099-3290

SHEET NO. 1 26 SHEETS	RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	TR 851	07-10117-00-BR	WILL	36	9
		S.N. 099-3290	CONTRACT NO. 63642		
		FED. ROAD DIST. NO. 7 ILLINOIS	FED. AID PROJECT BRS-		

GENERAL NOTES



SECTION THRU ABUTMENT

Note:
Excavate one foot below the proposed abutment removal elevation. Backfill with porous granular embankment.

Fasteners shall be AASHTO M164 Type 1, mechanically galvanized bolts. Bolts 3/4 in. ϕ , holes 13/16 in. ϕ , unless otherwise noted. Calculated weight of Structural Steel = 16,900 lbs (M270 Gr. 50). No field welding is permitted except as specified in the contract documents. Reinforcement bars designated (E) shall be epoxy coated. Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60.

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.

The Contractor shall test the existing welds by non-destructive methods within 2 ft. of the end of the existing cover plates for cracks after removal of the existing concrete deck. Dye penetrant (PT), magnetic particle (MT), or other approved testing method shall be performed by qualified personnel approved by the Engineer. If cracks are found, report them to Hutchison Engineering, Inc. for disposition. The cost of testing is included in Removal of Existing Concrete Deck. The cost of crack repair, if necessary, will be paid for according to Article 109.04 of the Standard Specifications.

Prior to pouring the new concrete deck, all heavy or loose rust, loose mill scale, and other loose or potentially detrimental foreign material shall be removed from the surfaces in contact with concrete. Tightly adhered paint may remain unless otherwise noted. Removal shall be accomplished by methods that will not damage the steel and the cost will be included in the pay item covering removal of the existing concrete.

As directed by the Engineer, existing construction accessories welded to the top flange of beams and girders shall be removed. The weld areas shall be ground flush and inspected for cracks using magnetic particle testing (MT) or dye penetrant testing (PT) by qualified personnel approved by the Engineer. Any cracks that cannot be removed by grinding 1/4 inch deep shall be identified and reported to Hutchison Engineering, Inc. for further disposition. The cost of removing welded accessories, grinding and inspecting weld areas and grinding cracks will be paid for according to Article 109.04 of the Standard Specifications.

Concrete Sealer shall be applied to the front face of the backwall and bearing seats of each abutment.

The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project.

A minimum of 2 air monitor(s) will be required to monitor abrasive blasting operations at this site. See special provision for "Containment and Disposal of Lead Paint Cleaning Residues."

The structural steel plates of the Bearing Assembly shall conform to the requirements of AASHTO M 270 Grade 50.

Two 1/2 in. adjusting shims shall be provided for each bearing in addition to all other plates or shims and placed as shown on bearing details.

Cleaning and painting of the existing structural steel shall be as specified in the special provision for "Cleaning and Painting Existing Steel Structures". All existing steel shall be cleaned per Near White Blast Cleaning - SSPC-SP10. All existing steel shall be painted according to the requirements of Paint System 1 - OZ/E/U. The color of the final finish coat for all interior steel surfaces shall be Gray, Munsell No 5B 7/1. The color of the final finish coat for the exterior and bottom flange of the fascia beams shall be Gray, Munsell No 5B 7/1.

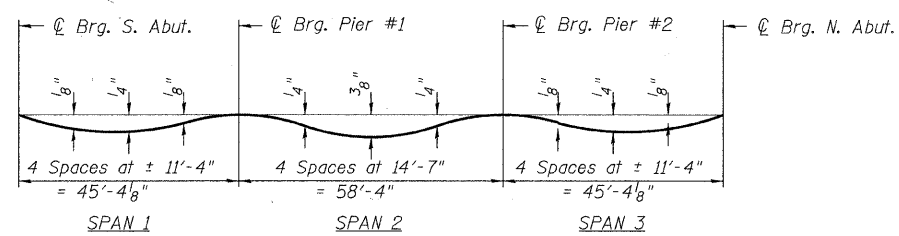
The contractor is hereby alerted an Army Corps of Engineers Permit has not been secured for the project and no work may occur within the waters of Hickory Creek. Should a permit be desired by the Contractor or required due to damage caused to Hickory Creek by the Contractor, it shall be the Contractor's responsibility to obtain any required permits to remediate any damages to or work within Hickory Creek. No additional compensation or extension of time will be allowed to the Contractor to obtain any of the permits.

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Removal of Existing Concrete Deck	Each	1	-	1
Concrete Removal	Cu Yd	-	13.3	13.3
Drainage Scuppers, DS-II	Each	2	-	2
Concrete Superstructure	Cu Yd	328.8	-	328.8
Concrete Structures	Cu Yd	-	35.4	35.4
Stud Shear Connectors	Each	2,160	-	2,160
Reinforcement Bars, Epoxy Coated	Pound	75,280	2,620	77,900
Jack and Remove Existing Bearings	Each	12	-	12
Preformed Joint Strip Seal	Foot	85	-	85
Aluminum Railing, Type L	Foot	143	-	143
Name Plates	Each	1	-	1
Elastomeric Bearing Assembly Type I	Each	12	-	12
Cleaning and Painting Steel Bridge No. 1	L Sum	1	-	1
Anchor Bolts, 1"	Each	24	-	24
Bar Splicers	Each	-	74	74
Concrete Sealer	Sq Ft	-	400	400
Porous Granular Embankment, Special	Cu Yd	-	36	36
Structure Excavation	Cu Yd	-	48	48
Furnishing & Erecting Structural Steel	Pound	16,900	-	16,900
Containment and Disposal of Lead Paint Cleaning Residues	L Sum	1	-	1

GENERAL NOTES
JOLIET STREET (TR 851) OVER HICKORY CREEK
SECTION 07-10117-00-BR
WILL COUNTY
STATION 9+97.55

SHEET NO. 2	RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
26 SHEETS	TR 851	07-10117-00-BR	WILL	36	10
S.N. 099-3290			CONTRACT NO. 63642		
FED. ROAD DIST. NO. 7 ILLINOIS			FED. AID PROJECT BRS-		

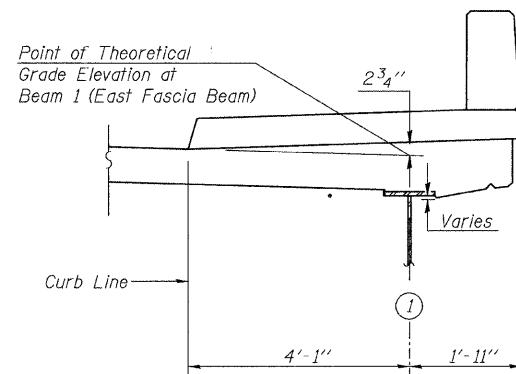


DEAD LOAD DEFLECTION DIAGRAM

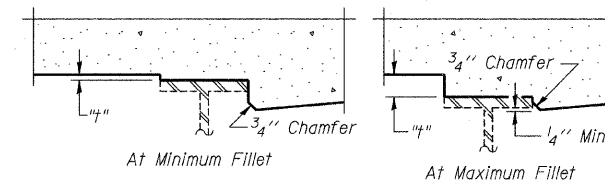
(Includes weight of concrete only)

Note:

The above deflections are not to be used in the field if the engineer is working from the grade elevations adjusted for dead load deflections as shown below.

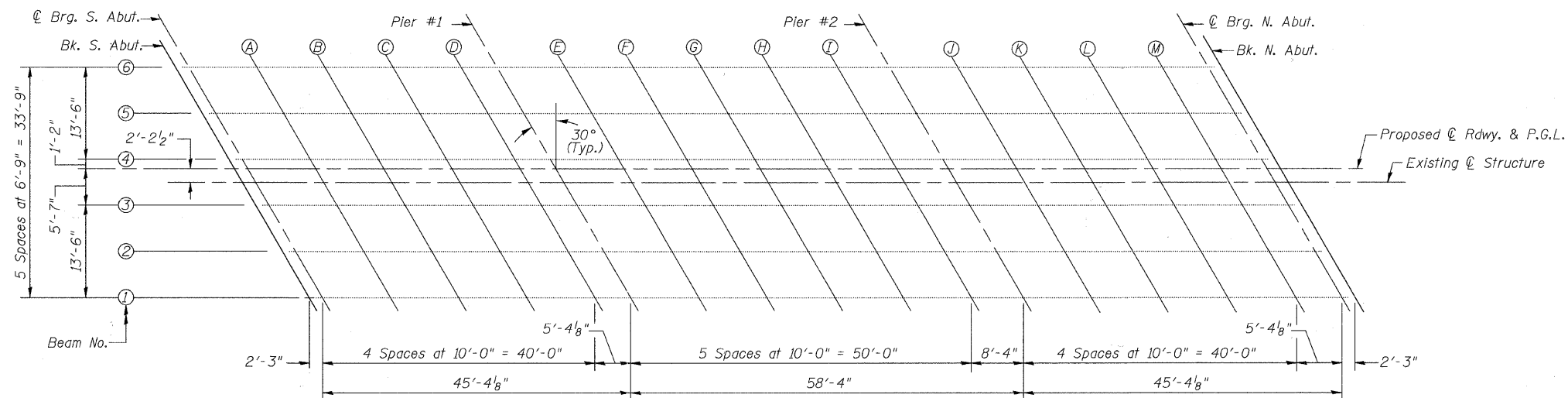


SECTION THRU SIDEWALK



FILLET HEIGHTS

To determine "t": After all structural steel has been erected, elevations of the top flanges of the beams shall be taken at intervals shown below. These elevations subtracted from the "Theoretical Grade Elevations Adjusted for Dead Load Deflection" shown below, minus slab thickness, equals the fillet heights "t" above top flange of beams.



TOP OF SLAB ELEVATIONS

**TOP OF SLAB ELEVATIONS
JOLIET STREET (TR 851) OVER HICKORY CREEK
SECTION 07-10117-00-BR
WILL COUNTY
STATION 9+97.55**

SHEET NO. 3 26 SHEETS	RTE. NO. TR 851	SECTION 07-10117-00-BR	COUNTY WILL	TOTAL SHEETS 36	SHEET NO. 11
	S.N. 099-3290		CONTRACT NO. 63642		
FED. ROAD DIST. NO. 7 ILLINOIS			FED. AID PROJECT BRS-		

WEST CURB LINE OF APPROACH PAVEMENT

Location	Station	Offset	Theoretical Grade Elevations
End S. App. Pvmt.	08+81.89	-15.42	535.22
A	08+91.89	-15.42	534.95
B	09+01.89	-15.42	534.66
Bk S. Abutment	09+11.89	-15.42	534.36

WEST EDGE OF ROADWAY PAVEMENT

Location	Station	Offset	Theoretical Grade Elevations
End S. App. Pvmt.	08+83.86	-12.00	535.24
A	08+93.86	-12.00	534.96
B	09+03.86	-12.00	534.67
Bk S. Abutment	09+13.86	-12.00	534.37

☉ ROADWAY & PROFILE GRADE

Location	Station	Offset	Theoretical Grade Elevations
End S. App. Pvmt.	08+90.79	0.00	535.24
A	09+00.79	0.00	534.95
B	09+10.79	0.00	534.65
Bk S. Abutment	09+20.79	0.00	534.35

EAST EDGE OF ROADWAY PAVEMENT

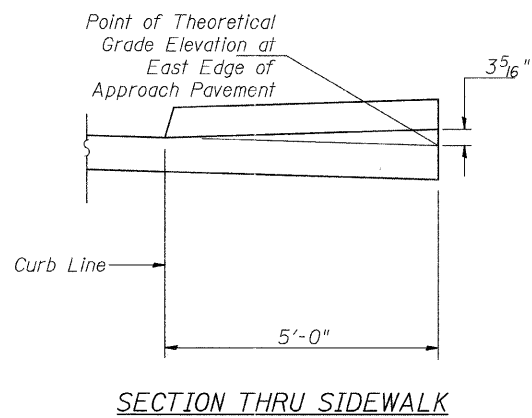
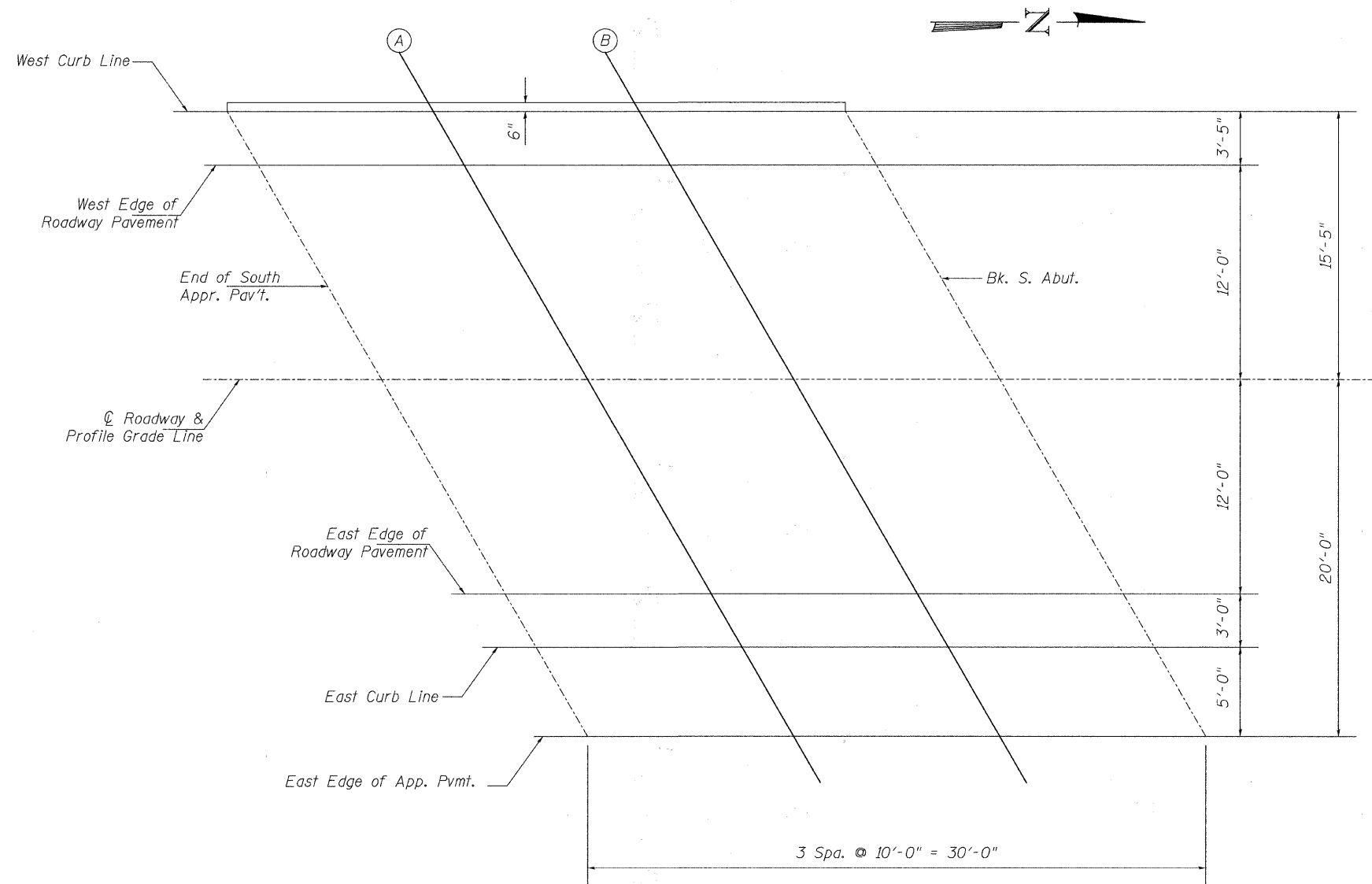
Location	Station	Offset	Theoretical Grade Elevations
End S. App. Pvmt.	08+97.72	12.00	534.85
A	09+07.72	12.00	534.55
B	09+17.72	12.00	534.26
Bk S. Abutment	09+27.72	12.00	533.96

EAST CURB LINE OF APPROACH PAVEMENT

Location	Station	Offset	Theoretical Grade Elevations
End S. App. Pvmt.	08+99.45	15.00	534.74
A	09+09.45	15.00	534.44
B	09+19.45	15.00	534.14
Bk S. Abutment	09+29.45	15.00	533.85

EAST EDGE OF APPROACH PAVEMENT

Location	Station	Offset	Theoretical Grade Elevations
End S. App. Pvmt.	09+02.34	20.00	534.55
A	09+12.34	20.00	534.25
B	09+22.34	20.00	533.95
Bk S. Abutment	09+32.34	20.00	533.66



PLAN SOUTH APPROACH PAVEMENT

**TOP OF SOUTH APPROACH PAVEMENT ELEVATIONS
JOLIET STREET (TR 851) OVER HICKORY CREEK
SECTION 07-10117-00-BR
WILL COUNTY
STATION 9+97.55**

SHEET NO. 5	RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
26 SHEETS	TR 851	07-10117-00-BR	WILL	36	13
S.N. 099-3290			CONTRACT NO. 63642		
FED. ROAD DIST. NO. 7 ILLINOIS			FED. AID PROJECT BRS-		

WEST CURB LINE OF APPROACH PAVEMENT

Location	Station	Offset	Theoretical Grade Elevations
Bk N. Abutment	10+65.41	-15.42	529.81
A	10+75.41	-15.42	529.51
B	10+85.41	-15.42	529.21
End N. App. Pvmt.	10+95.41	-15.42	528.88

WEST EDGE OF ROADWAY PAVEMENT

Location	Station	Offset	Theoretical Grade Elevations
Bk N. Abutment	10+67.38	-12.00	529.82
A	10+77.38	-12.00	529.52
B	10+87.38	-12.00	529.22
End N. App. Pvmt.	10+97.38	-12.00	528.88

☉ ROADWAY & PROFILE GRADE

Location	Station	Offset	Theoretical Grade Elevations
Bk N. Abutment	10+74.31	0.00	529.80
A	10+84.31	0.00	529.50
B	10+94.31	0.00	529.18
End N. App. Pvmt.	11+04.31	0.00	528.82

EAST EDGE OF ROADWAY PAVEMENT

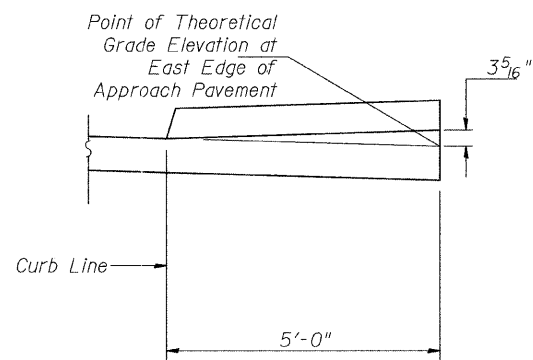
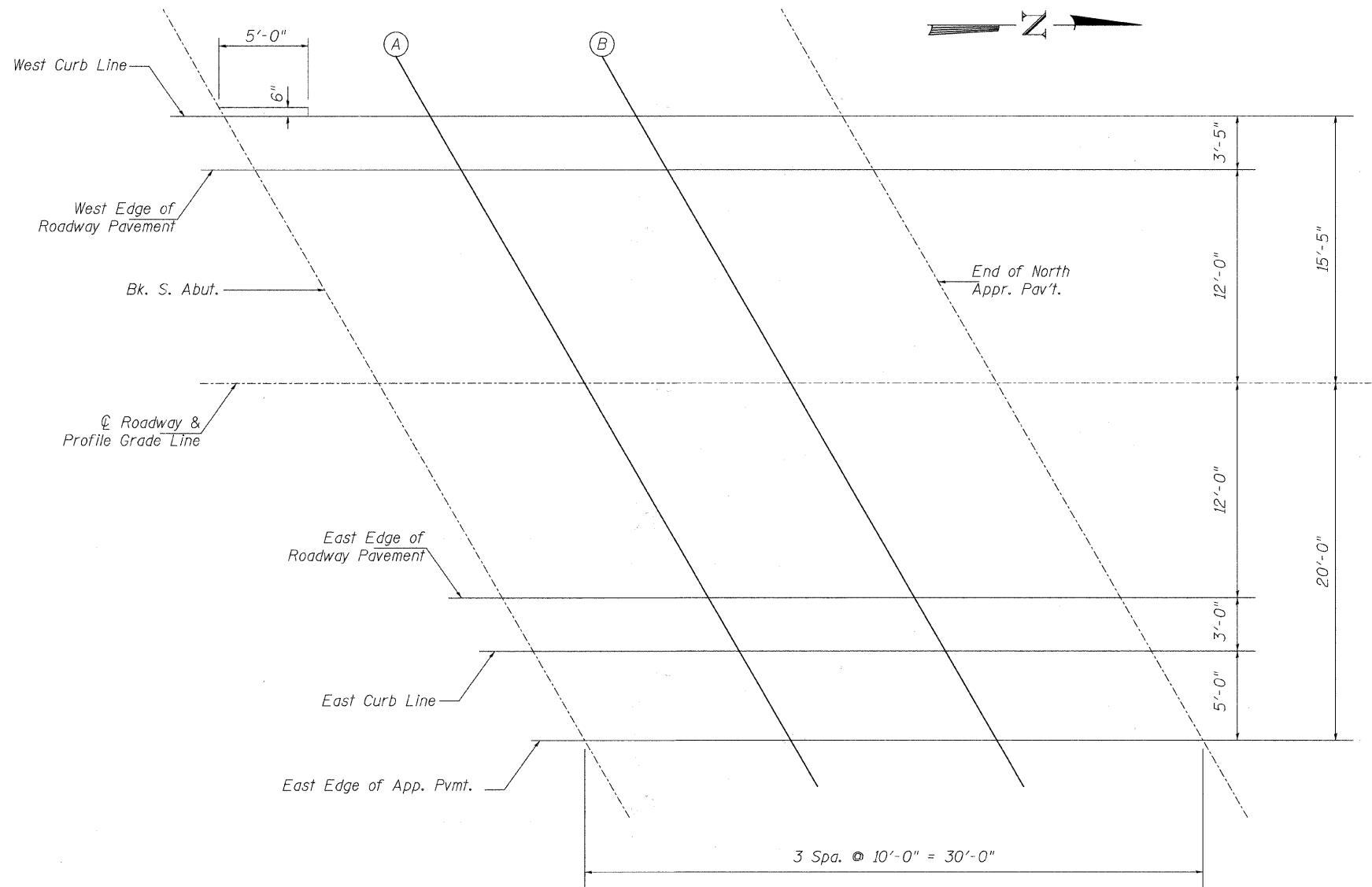
Location	Station	Offset	Theoretical Grade Elevations
Bk N. Abutment	10+81.24	12.00	529.41
A	10+91.24	12.00	529.09
B	11+01.24	12.00	528.75
End N. App. Pvmt.	11+11.24	12.00	528.37

EAST CURB LINE OF APPROACH PAVEMENT

Location	Station	Offset	Theoretical Grade Elevations
Bk N. Abutment	10+82.97	15.00	529.29
A	10+92.97	15.00	528.97
B	11+02.97	15.00	528.62
End N. App. Pvmt.	11+12.97	15.00	528.24

EAST EDGE OF APPROACH PAVEMENT

Location	Station	Offset	Theoretical Grade Elevations
Bk N. Abutment	10+85.86	20.00	529.10
A	10+95.86	20.00	528.77
B	11+05.86	20.00	528.41
End N. App. Pvmt.	11+15.86	20.00	528.02



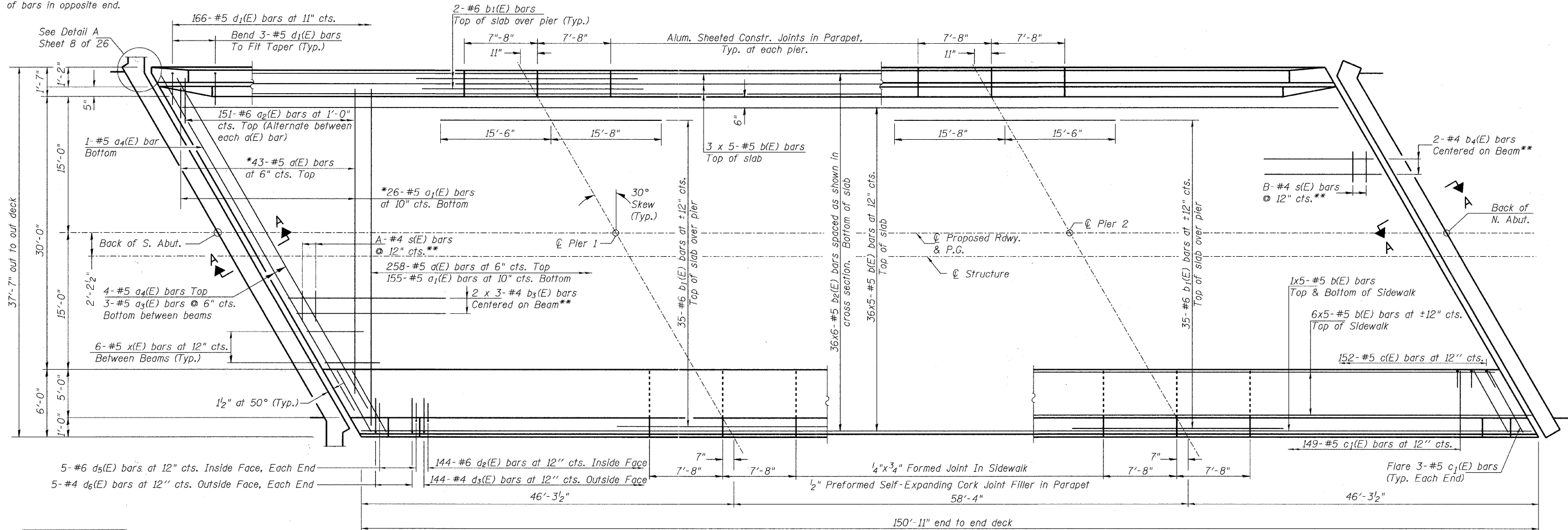
SECTION THRU SIDEWALK

PLAN NORTH APPROACH PAVEMENT

**TOP OF NORTH APPROACH PAVEMENT ELEVATIONS
JOLIET STREET (TR 851) OVER HICKORY CREEK
SECTION 07-10117-00-BR
WILL COUNTY
STATION 9+97.55**

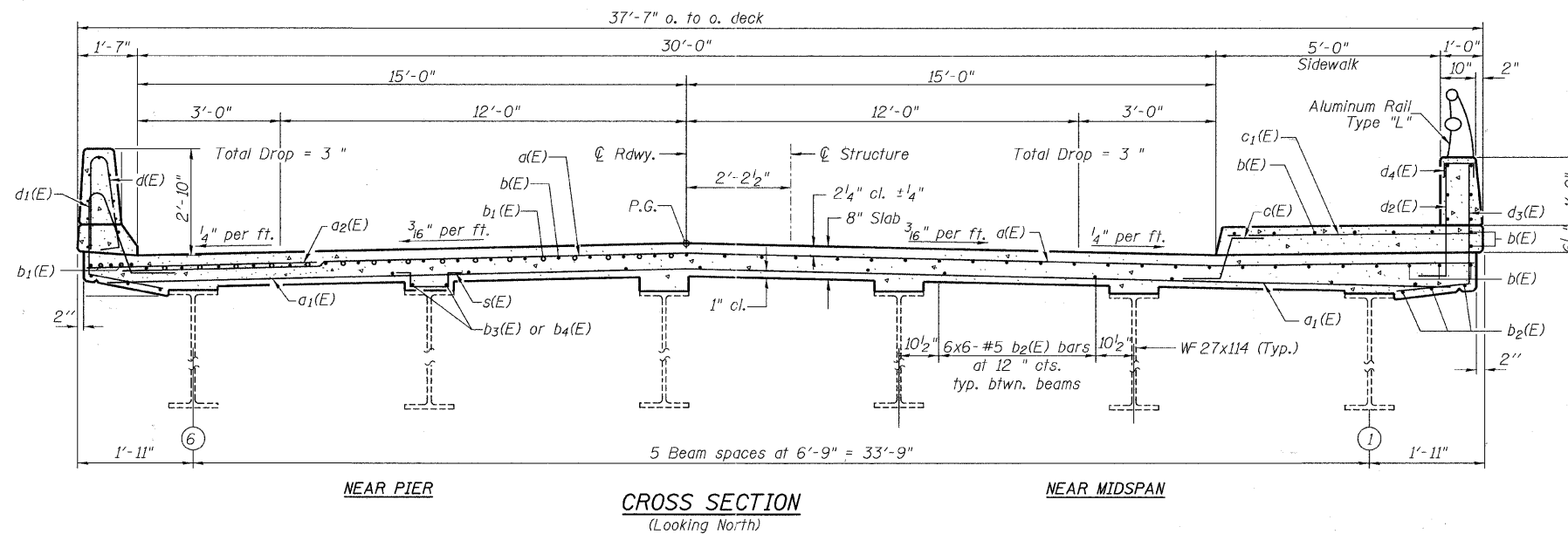
SHEET NO. 6	RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	26 SHEETS	TR 851	07-10117-00-BR	WILL	36
S.N. 099-3290			CONTRACT NO. 63642		
FED. ROAD DIST. NO. 7 ILLINOIS			FED. AID PROJECT BRS-		

* Order a(E) & a₁(E) bars full length. ** See table for corresponding beam information. Cut to fit skew and use remainder of bars in opposite end.



Fillet Reinforcement		
Beam No.	A	B
1	0	0
2	0	0
3	0	0
4	80	0
5	85	15
6	0	0

PLAN

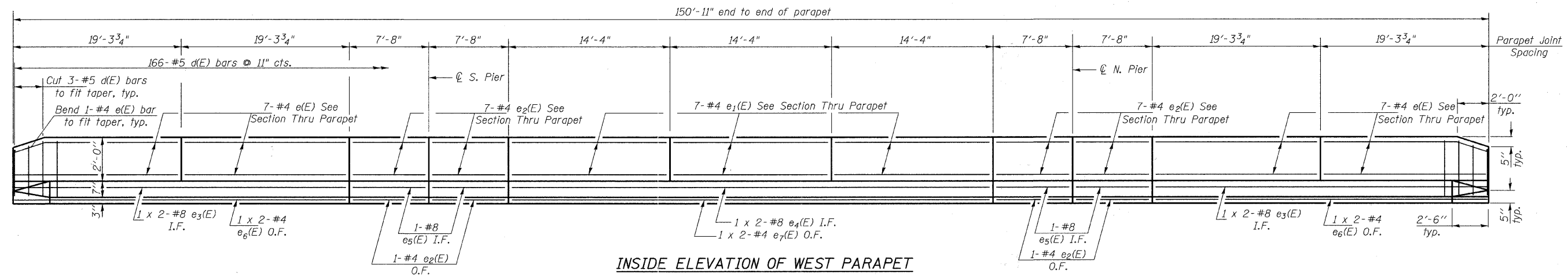


MIN. BAR LAP
#4 = 2'-0"
#5 = 2'-6"

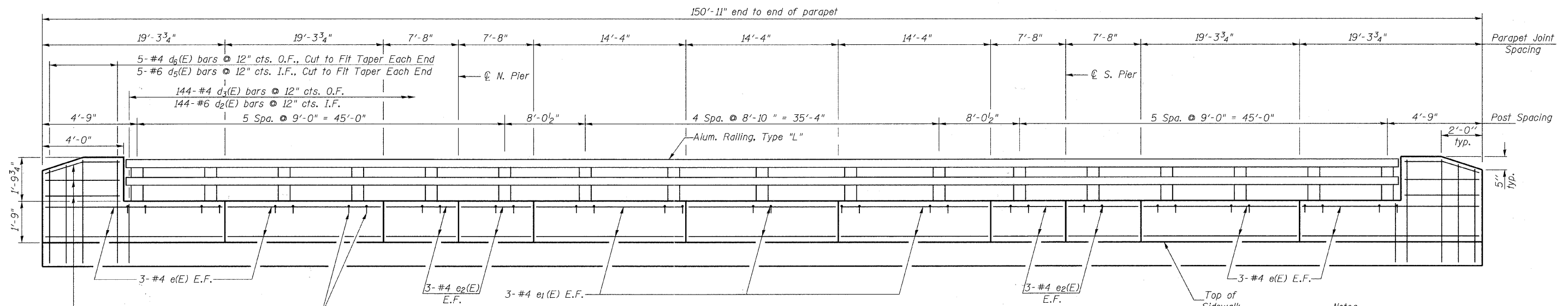
Notes:
See Sheet 8 & 9 of 26 for superstructure details and Bill of Material.
Bars indicated thus 20 x 3-#5 etc. indicates 20 lines of bars with 3 lengths per line.
See Sheet 8 & 9 of 26 for parapet, sidewalk and curb reinforcement.
See Sheet 1 of 26 for drainage scupper locations.
See Sheet 9 of 26 for Section A-A.
Engineer shall field verify fillet heights. Any location that exceeds a fillet height of 6" requires reinforcement.

SUPERSTRUCTURE
JOLIET STREET (TR 851) OVER HICKORY CREEK
SECTION 07-10117-00-BR
WILL COUNTY
STATION 9+97.55

SHEET NO. 7 26 SHEETS	RTE. NO. TR 851	SECTION 07-10117-00-BR	COUNTY WILL	TOTAL SHEETS 36	SHEET NO. 15
	S.N. 099-3290		CONTRACT NO. 63642		
FED. ROAD DIST. NO. 7 ILLINOIS			FED. AID PROJECT BRS-		



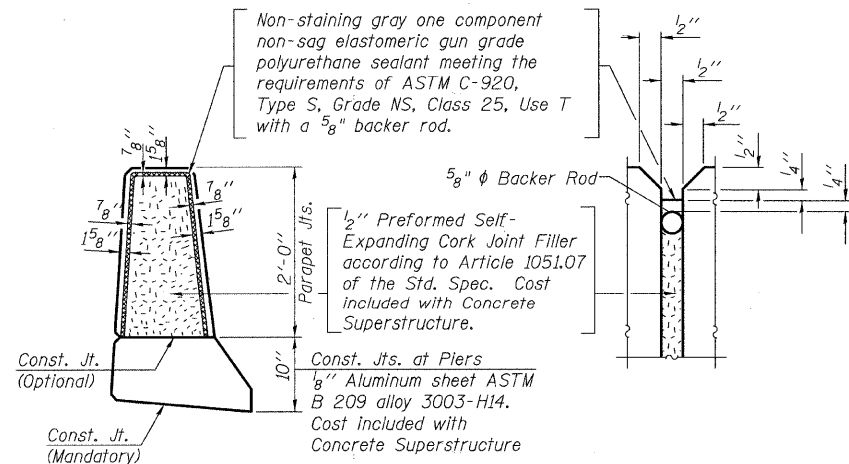
INSIDE ELEVATION OF WEST PARAPET



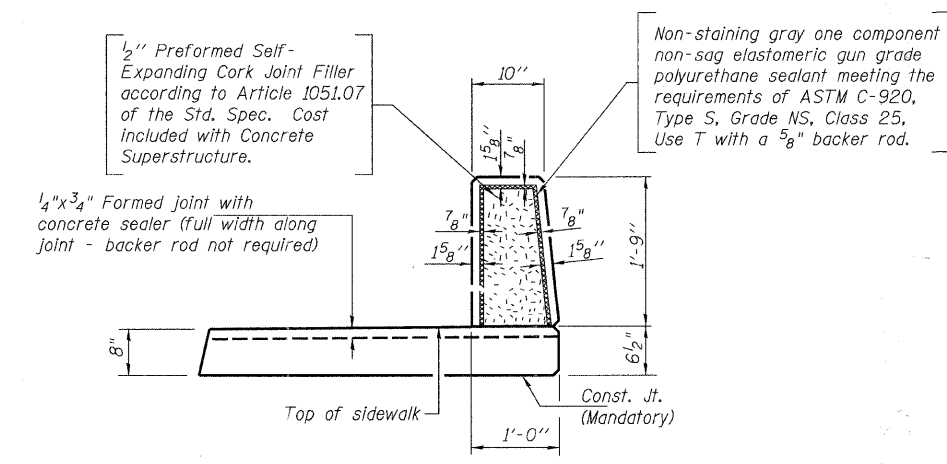
INSIDE ELEVATION OF EAST PARAPET

Notes:
 Bars indicated thus 1 x 2 -#5 etc. indicates 1 line of bars with 2 lengths per line.
 I.F. = Inside Face
 O.F. = Outside Face
 E.F. = Each Face
 See Sheet 9 of 26 for section thru parapet and Bill of Materials.

MIN. BAR LAP
 #4 = 2'-0"
 #8 = 5'-2"



(West Parapet)

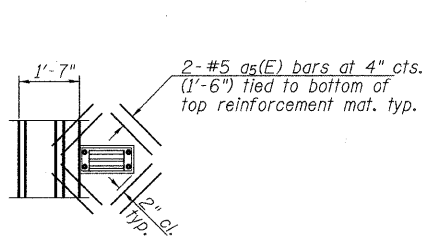


(East Parapet)

PARAPET JOINT DETAILS

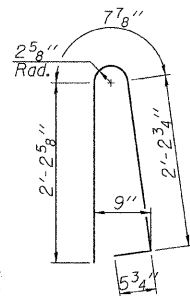
SUPERSTRUCTURE DETAILS
JOLIET STREET (TR 851) OVER HICKORY CREEK
SECTION 07-10117-00-BR
WILL COUNTY
STATION 9+97.55

SHEET NO. 8 26 SHEETS	RTE. NO. TR 851	SECTION 07-10117-00-BR	COUNTY WILL	TOTAL SHEETS 36	SHEET NO. 16
	S.N. 099-3290		CONTRACT NO. 63642		
	FED. ROAD DIST. NO. 7 ILLINOIS			FED. AID PROJECT BRS-	

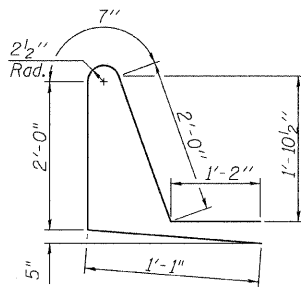


PLAN DETAIL FOR SCUPPER

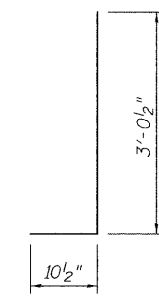
Note:
Cut longitudinal reinforcement to clear drainage scuppers.



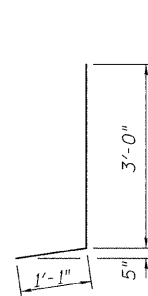
BAR d(E)



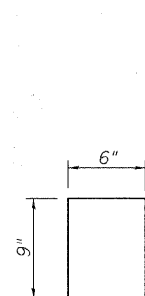
BAR d1(E)



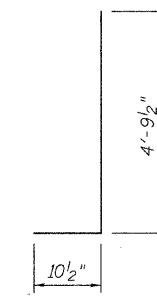
BAR d2(E)



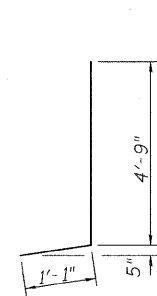
BAR d3(E)



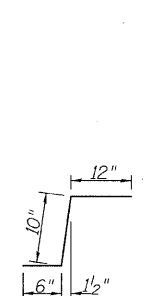
BAR d4(E)



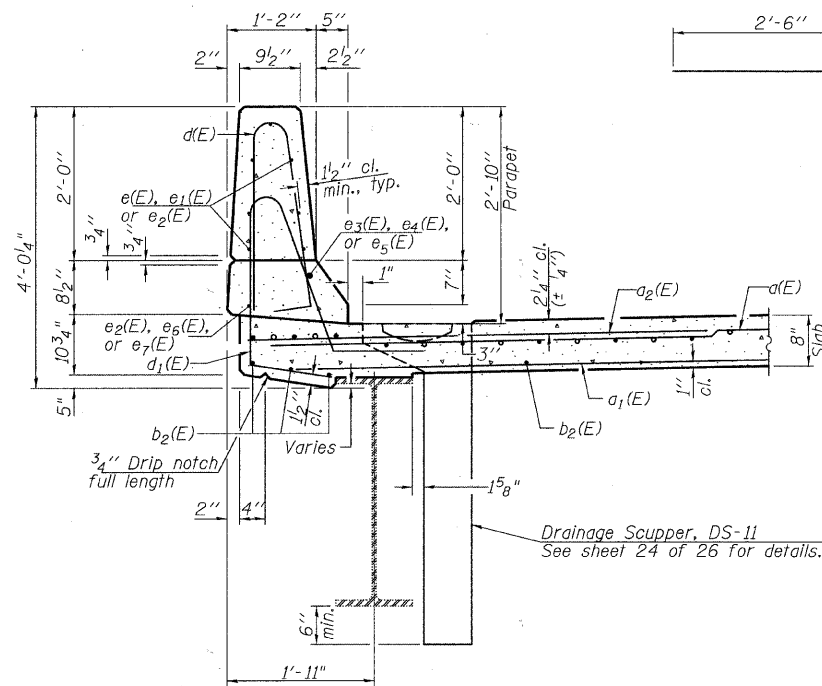
BAR d5(E)



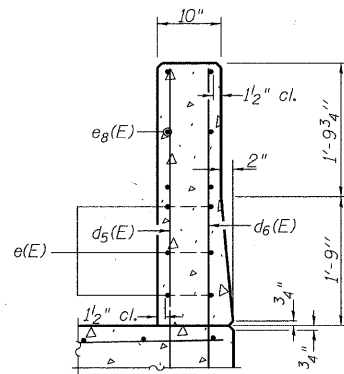
BAR d6(E)



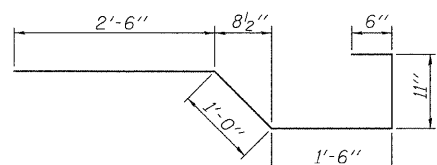
BAR c(E)



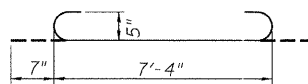
SECTION THRU PARAPET
(Looking North)



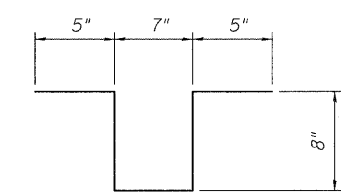
SECTION THRU ENDS
OF EAST PARAPET



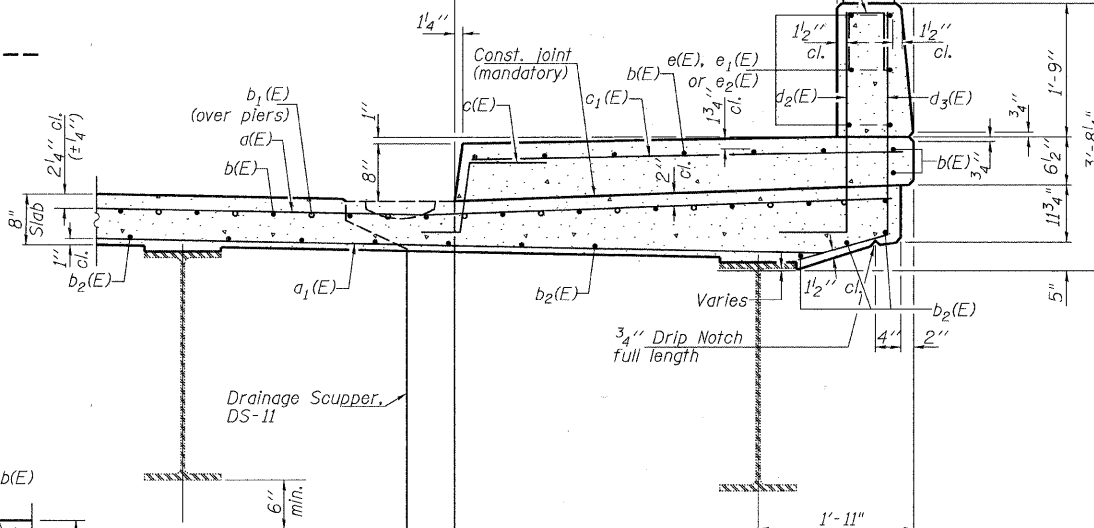
BAR x(E)



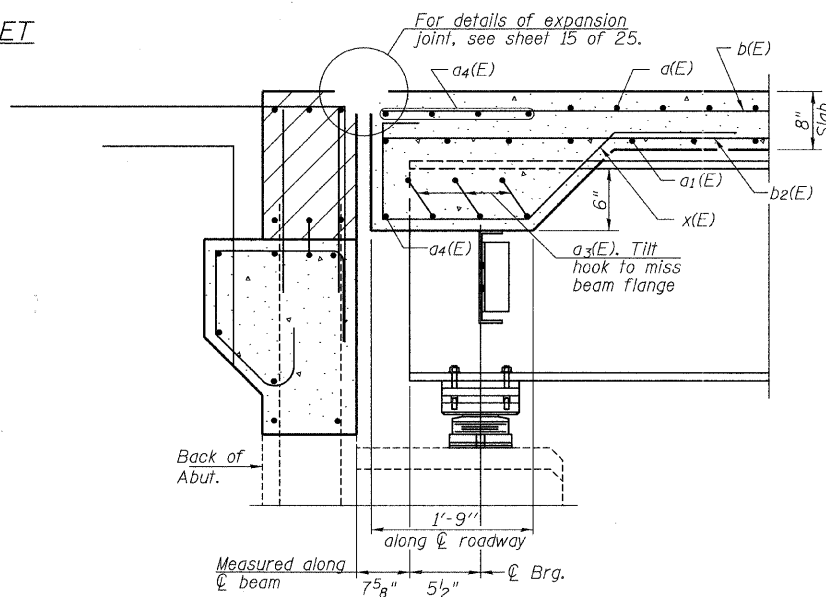
a3(E) BAR



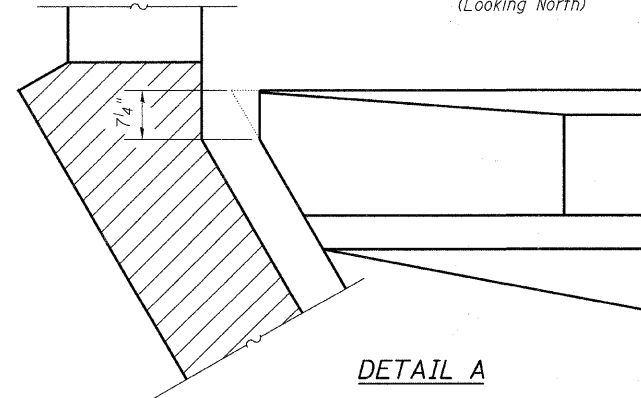
BAR s(E)



SECTION THRU SIDEWALK
(Looking North)



SECTION A-A



DETAIL A

SUPERSTRUCTURE
BILL OF MATERIAL

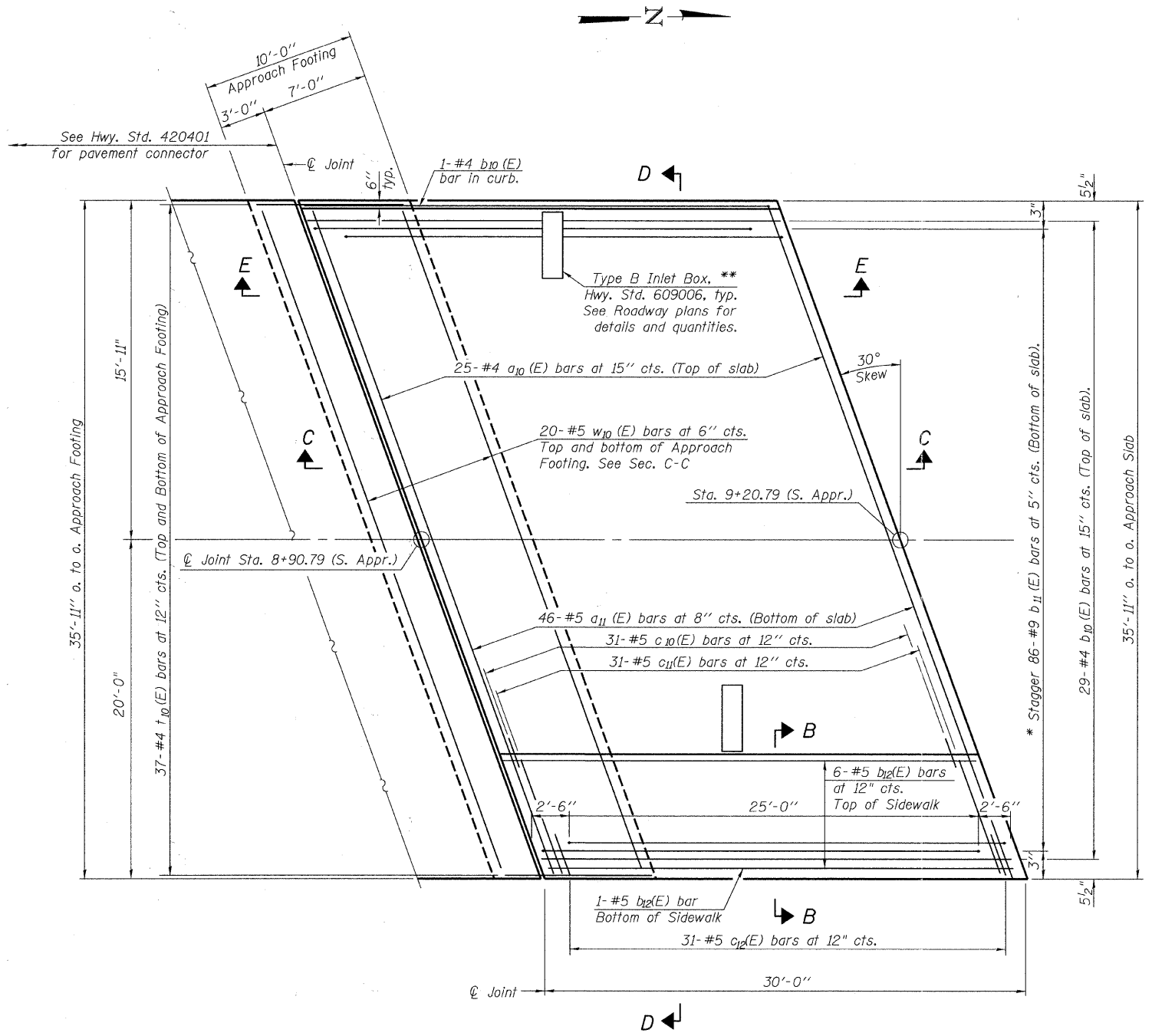
Bar	No.	Size	Length	Shape
a(E)	301	#5	37'-0"	—
a1(E)	181	#5	36'-0"	—
a2(E)	151	#6	6'-6"	—
a3(E)	30	#5	8'-6"	—
a4(E)	10	#5	42'-8"	—
a5(E)	16	#5	1'-6"	—
b(E)	235	#5	32'-2"	—
b1(E)	74	#6	31'-2"	—
b2(E)	216	#5	27'-3"	—
b3(E)	12	#4	30'-0"	—
b4(E)	2	#4	15'-0"	—
c(E)	152	#5	2'-4"	—
c1(E)	152	#5	5'-6"	—
d(E)	166	#5	5'-7"	—
d1(E)	166	#5	6'-10"	—
d2(E)	144	#6	3'-11"	—
d3(E)	144	#4	4'-1"	—
d4(E)	34	#4	2'-0"	—
d5(E)	10	#6	5'-8"	—
d6(E)	10	#4	5'-10"	—
e(E)	52	#4	19'-0"	—
e1(E)	39	#4	14'-1"	—
e2(E)	56	#4	7'-5"	—
e3(E)	4	#8	21'-10"	—
e4(E)	2	#8	24'-0"	—
e5(E)	4	#8	7'-5"	—
e6(E)	4	#4	20'-3"	—
e7(E)	2	#4	22'-5"	—
e8(E)	12	#4	3'-9"	—
s(E)	180	#4	2'-9"	—
x(E)	60	#5	6'-5"	—
Reinforcement Bars, Epoxy Coated			Pound	45,760
Concrete Superstructure			Cu. Yds.	203.7

Bars indicated thus 1 x 5-#5 etc. indicates 1 line of bars with 5 lengths per line.

SUPERSTRUCTURE DETAILS
JOLIET STREET (TR 851) OVER HICKORY CREEK
SECTION 07-10117-00-BR
WILL COUNTY
STATION 9+97.55

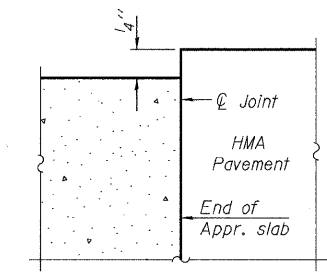
SHEET NO. 9 26 SHEETS	RTE. NO. TR 851	SECTION 07-10117-00-BR	COUNTY WILL	TOTAL SHEETS 36	SHEET NO. 17
	S.N. 099-3290		CONTRACT NO. 63642		
	FED. ROAD DIST. NO. 7 ILLINOIS		FED. AID PROJECT BR5-		

Notes:
 See sheet 11 of 26 for Sections C-C, D-D & E-E.
 $a_{10}(E)$ and $a_{11}(E)$ bar spacings measured along C.R.

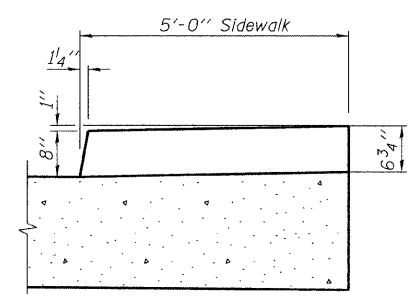


PLAN

* Tilt #9 $b_{11}(E)$ bars as required to maintain clearance.
 ** Cut slab reinforcement to fit drain.



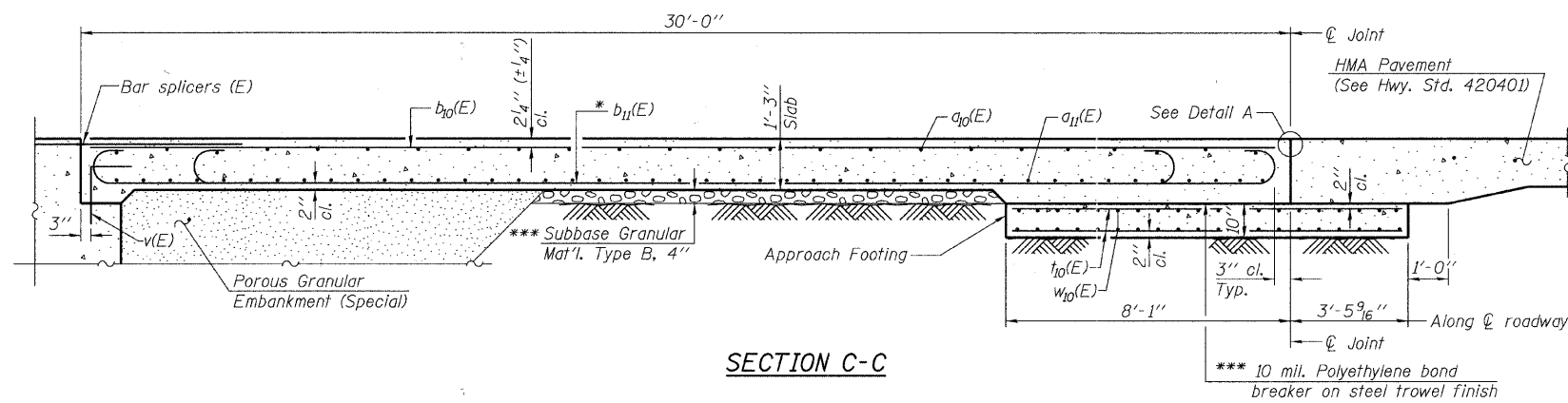
FLEXIBLE PAVEMENT
 DETAIL A



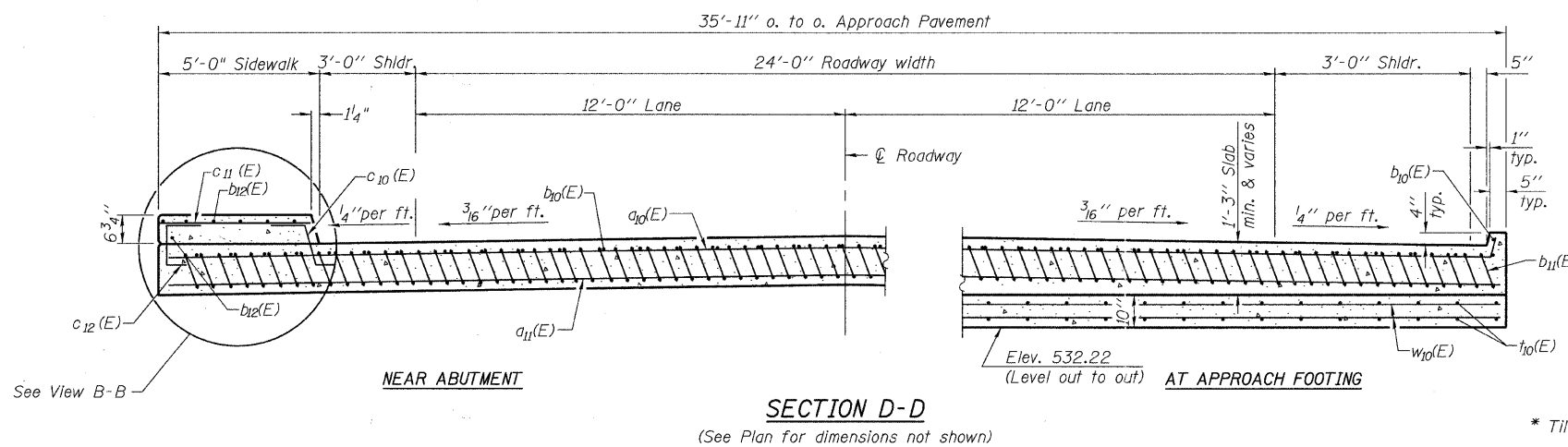
VIEW B-B

SOUTH BRIDGE APPROACH SLAB DETAILS
JOLIET STREET (TR 851) OVER HICKORY CREEK
SECTION 07-10117-00-BR
WILL COUNTY
STATION 9+97.55

SHEET NO. 10	RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
26 SHEETS	TR 851	07-10117-00-BR	WILL	36	18
S.N. 099-3290			CONTRACT NO. 63642		
FED. ROAD DIST. NO. 7 ILLINOIS			FED. AID PROJECT BRS-		



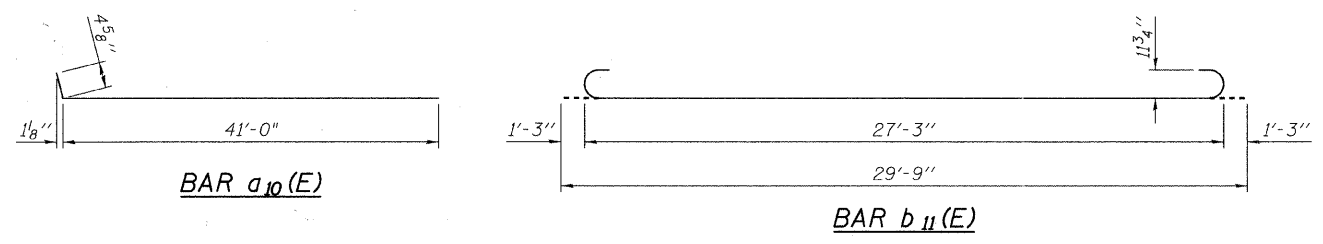
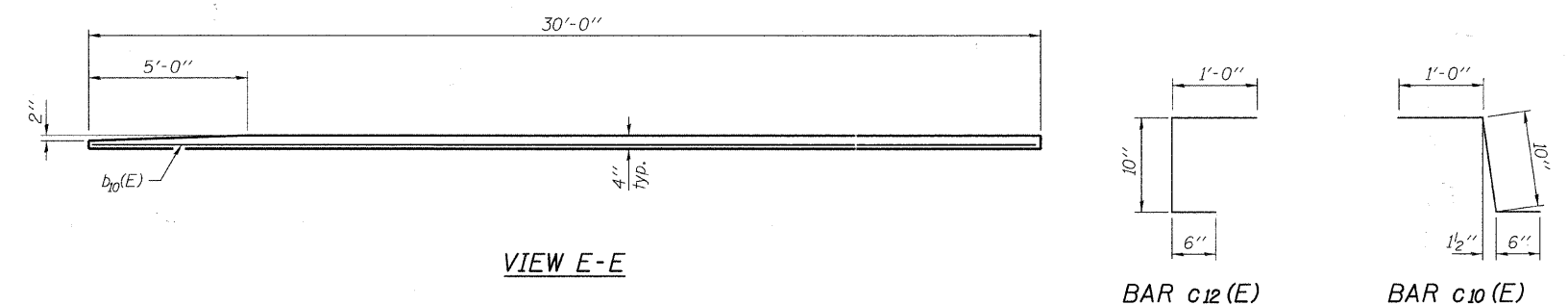
Notes:
 See sheet 10 of 26 for Detail A and View B-B.
 Approach slab concrete shall be paid for as Concrete Superstructure.
 Approach footing concrete shall be paid for as Concrete Structures.
 For $v(E)$ bar details, see sheet 21 of 26.
 The approach footing maximum applied service bearing pressure (Q_{max}) = 2.0 ksf.
 For bar splicer details, see sheet 25 of 26.
 Cost of excavation for approach footing included with Concrete Structures.
 For Porous Granular Embankment (Special) and drainage treatment details, see sheet 2 of 26.



****SOUTH APPROACH SLAB BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
$a_{10}(E)$	25	#4	41'-5"	—
$a_{11}(E)$	46	#5	41'-2"	—
$b_{10}(E)$	30	#4	29'-8"	—
$b_{11}(E)$	86	#9	29'-9"	—
$b_{12}(E)$	7	#5	30'-10"	—
$c_{10}(E)$	32	#5	2'-4"	┘
$c_{11}(E)$	32	#5	4'-9"	—
$c_{12}(E)$	32	#5	2'-4"	┘
$t_{10}(E)$	74	#4	11'-3"	—
$w_{10}(E)$	40	#5	41'-2"	—
Concrete Superstructure			Cu. Yd.	63.6
Concrete Structures			Cu. Yd.	12.8
Reinforcement Bars, Epoxy Coated			Pound	14,770

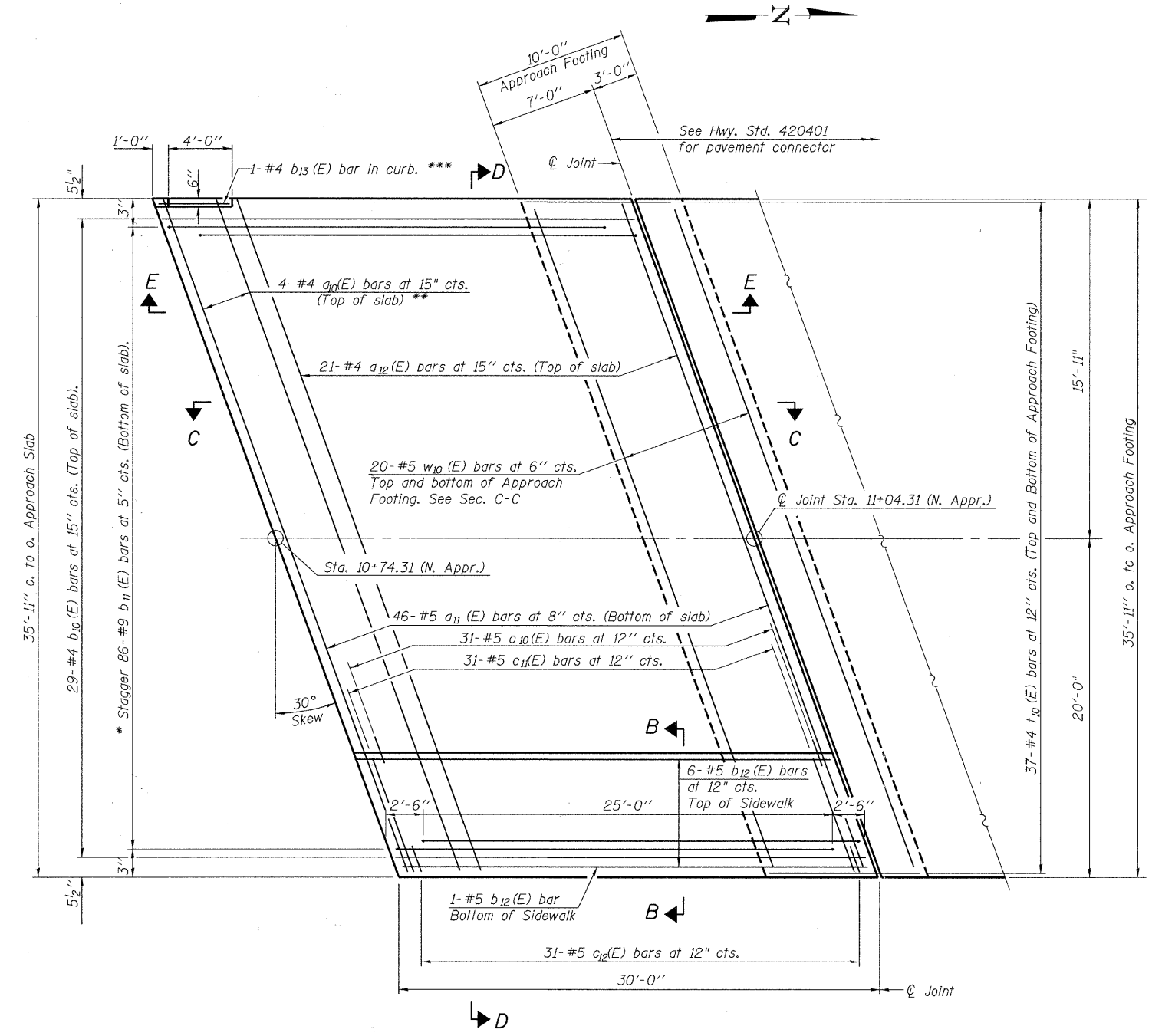
* Tilt #9 $b_{11}(E)$ bars as required to maintain clearance.
 *** Cost included with Concrete Superstructure.



**SOUTH BRIDGE APPROACH SLAB DETAILS
 JOLIET STREET (TR 85) OVER HICKORY CREEK
 SECTION 07-10117-00-BR
 WILL COUNTY
 STATION 9+97.55**

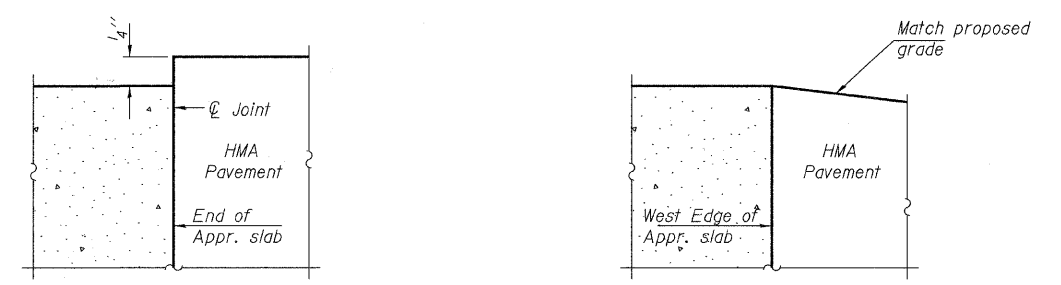
SHEET NO. 11 26 SHEETS	RTE. NO. TR 851	SECTION 07-10117-00-BR	COUNTY WILL	TOTAL SHEETS 36	SHEET NO. 19
	S.N. 099-3290		CONTRACT NO. 63642		
	FED. ROAD DIST. NO. 7 ILLINOIS		FED. AID PROJECT BRS-		

Notes:
 See sheet 13 of 26 for Sections C-C, D-D, & E-E.
 a_{10} (E) and a_{11} (E) bar spacings measured along \varnothing Rdwy.



PLAN

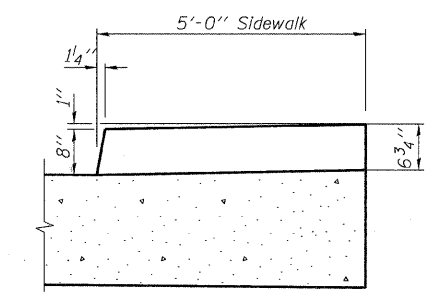
* Tilt #9 b_{11} (E) bars as required to maintain clearance.
 ** Cut to fit taper in curb.
 *** Bend to fit taper.



FLEXIBLE PAVEMENT

DETAIL A

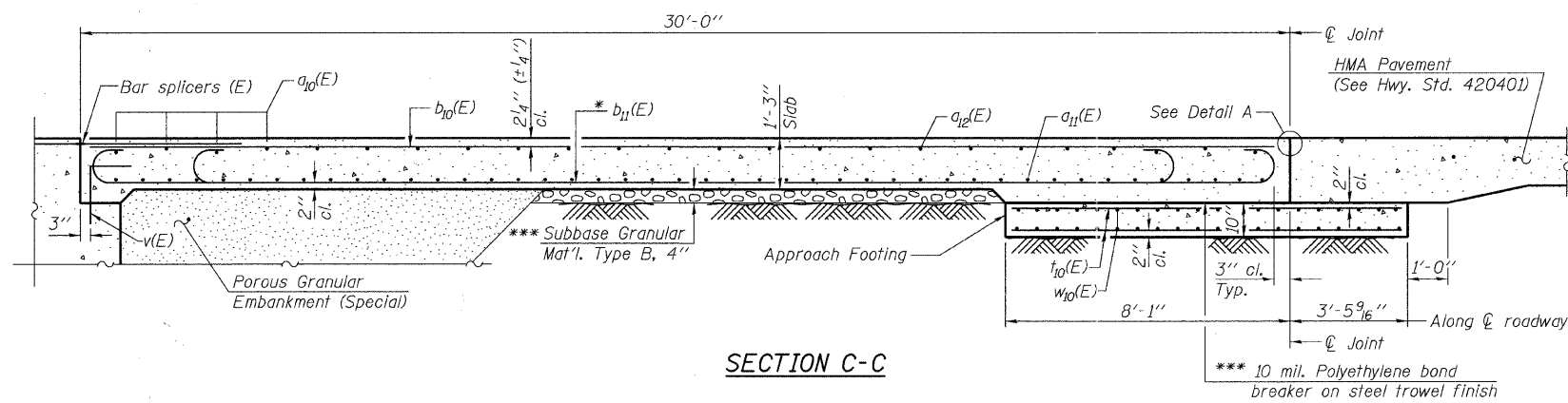
DETAIL B



VIEW B-B

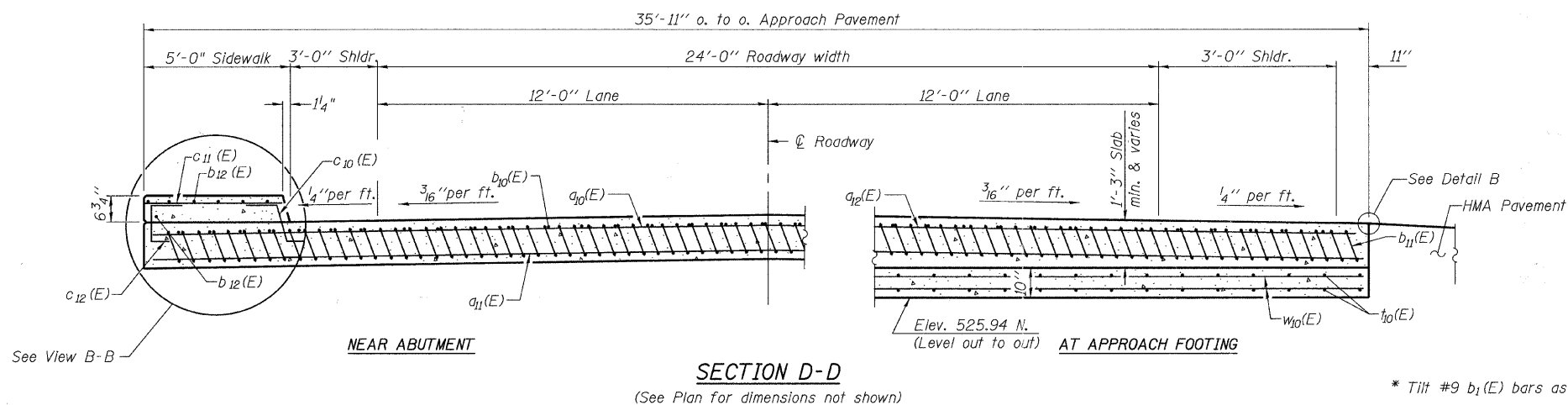
NORTH BRIDGE APPROACH SLAB DETAILS
JOLIET STREET (TR 85) OVER HICKORY CREEK
SECTION 07-10117-00-BR
WILL COUNTY
STATION 9+97.55

SHEET NO. 12	RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	TR 851	07-10117-00-BR	WILL	36	20
26 SHEETS	S.N. 099-3290		CONTRACT NO. 63642		
	FED. ROAD DIST. NO. 7 ILLINOIS			FED. AID PROJECT BRS-	



SECTION C-C

Notes:
 See sheet 12 of 26 for Detail A, Detail B, and View B-B.
 Approach slab concrete shall be paid for as Concrete Superstructure.
 Approach footing concrete shall be paid for as Concrete Structures.
 For v(E) bar details, see sheet 21 of 26.
 The approach footing maximum applied service bearing pressure (Qmax) = 2.0 ksf.
 For bar splicer details, see sheet 25 of 26.
 Cost of excavation for approach footing included with Concrete Structures.
 For Porous Granular Embankment (Special) and drainage treatment details, see sheet 2 of 26.

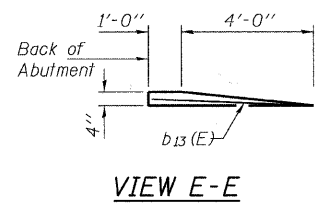


SECTION D-D

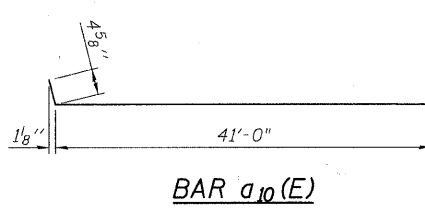
****NORTH APPROACH SLAB
 BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
a ₁₀ (E)	4	#4	41'-5"	—
a ₁₁ (E)	46	#5	41'-2"	—
a ₁₂ (E)	21	#4	41'-2"	—
b ₁₀ (E)	29	#4	29'-8"	—
b ₁₁ (E)	86	#9	29'-9"	—
b ₁₂ (E)	7	#5	30'-10"	—
b ₁₃ (E)	1	#4	4'-9"	—
c ₁₀ (E)	32	#5	2'-4"	—
c ₁₁ (E)	32	#5	4'-9"	—
c ₁₂ (E)	32	#5	2'-4"	—
t ₁₀ (E)	74	#4	11'-3"	—
w ₁₀ (E)	40	#5	41'-2"	—
Concrete Superstructure			Cu. Yd.	61.5
Concrete Structures			Cu. Yd.	12.8
Reinforcement Bars, Epoxy Coated			Pound	14,750

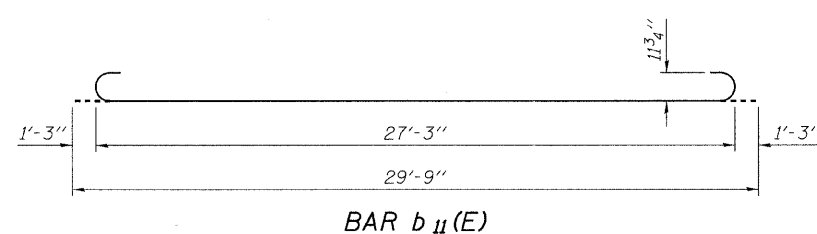
** Includes Concrete Superstructure and Reinforcement Bars, Epoxy Coated for sidewalk on abutment.



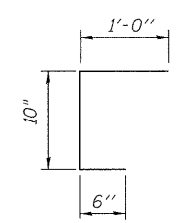
VIEW E-E



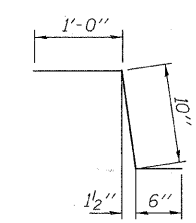
BAR a₁₀(E)



BAR b₁₁(E)



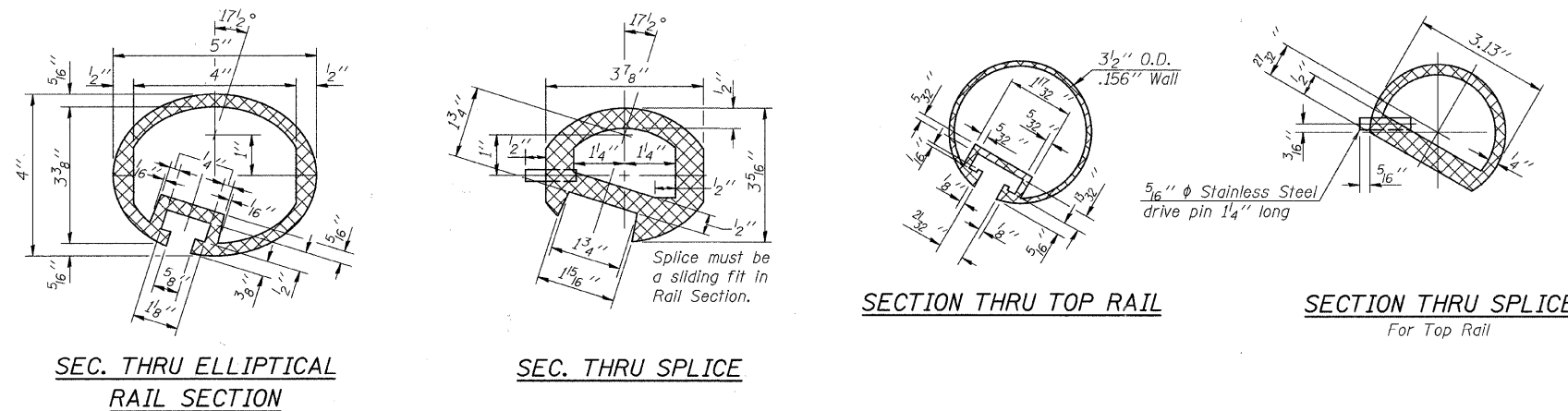
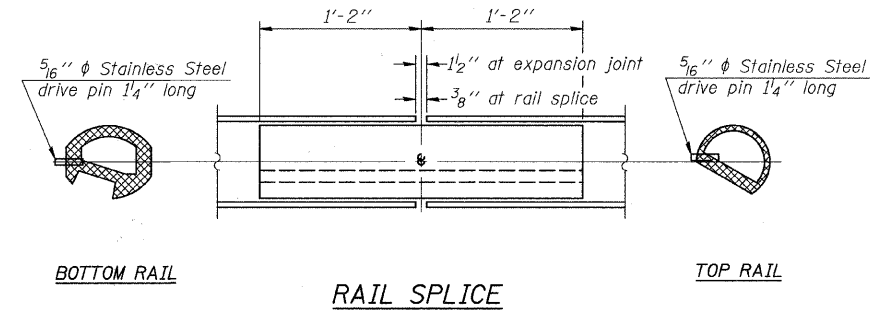
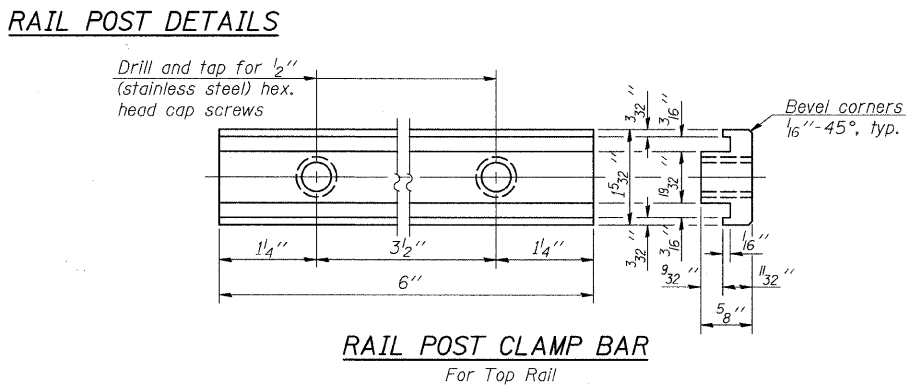
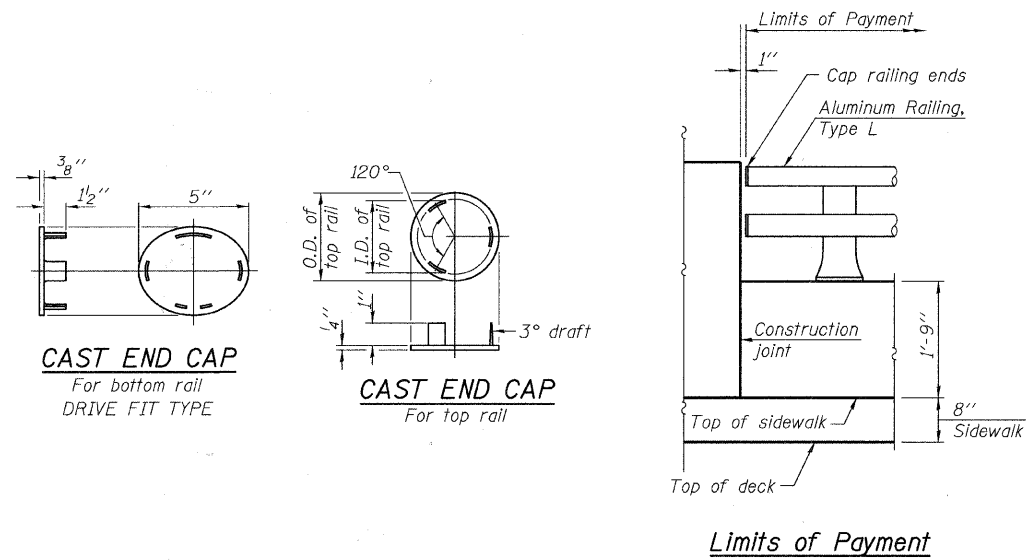
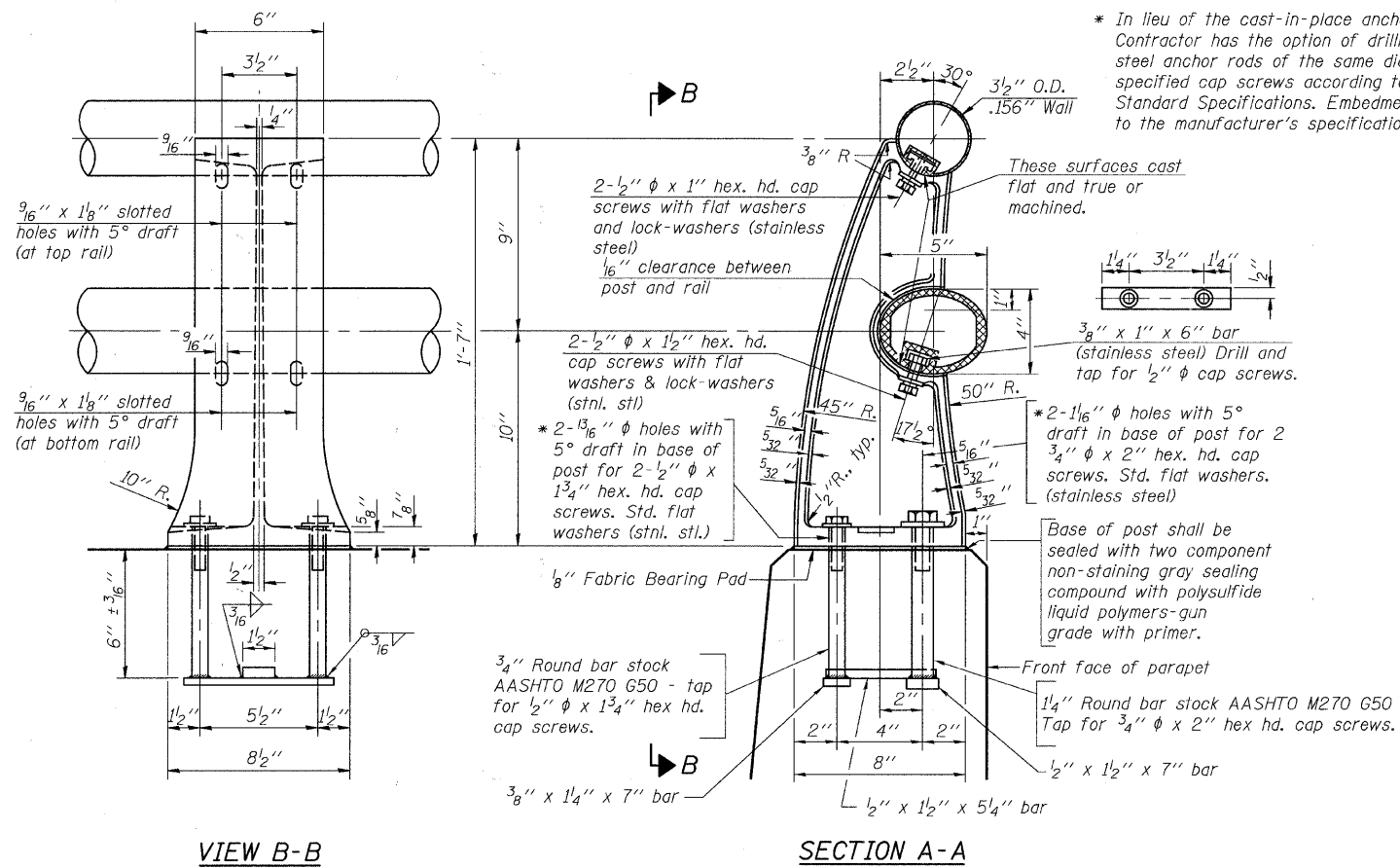
BAR c₁₂(E)



BAR c₁₀(E)

**NORTH BRIDGE APPROACH SLAB DETAILS
 JOLIET STREET (TR 851) OVER HICKORY CREEK
 SECTION 07-10117-00-BR
 WILL COUNTY
 STATION 9+97.55**

SHEET NO. 13 26 SHEETS	RTE. NO. TR 851	SECTION 07-10117-00-BR	COUNTY WILL	TOTAL SHEETS 36	SHEET NO. 21
	S.N. 099-3290		CONTRACT NO. 63642		
	FED. ROAD DIST. NO. 7 ILLINOIS		FED. AID PROJECT BRS-		



BILL OF MATERIAL

Item	Unit	Quantity
Aluminum Railing, Type L	Foot	143

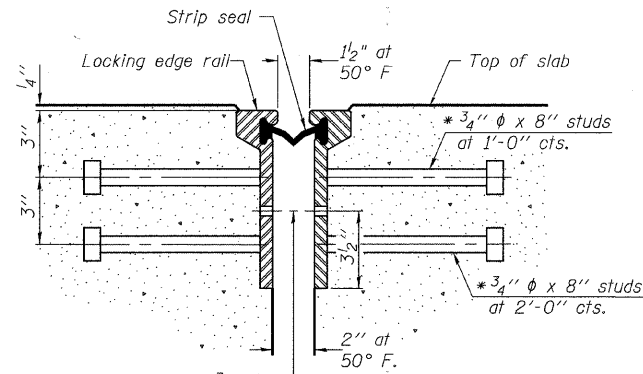
Notes:

- All Posts shall be normal to parapet.
- All joints in rail shall be spliced per detail.
- All exposed rail ends shall be capped per detail.
- Provide 1-1/8" and 2-1/16" Aluminum Shims for 25% of the Posts. Rail elements shall be parallel to Grade-high spots will be ground and low spots shimmed.
- See sheet 9 of 26 For rail post spacing.

ALUMINUM RAILING TYPE L
JOLIET STREET (TR 85) OVER HICKORY CREEK
SECTION 07-10117-00-BR
WILL COUNTY
STATION 9+97.55

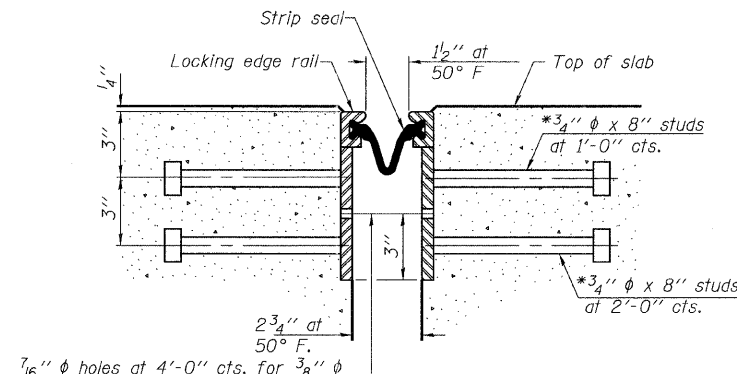
SHEET NO.	RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
26 SHEETS	TR 851	07-10117-00-BR	WILL	36	22
S.N. 099-3290			CONTRACT NO. 63642		
FED. ROAD DIST. NO. 7 ILLINOIS			FED. AID PROJECT BRS-		

* Granular or solid Flux filled headed studs conforming to Article 1006.32 of the Std. Specs., automatically end welded.



7/16" ϕ holes at 4'-0" cts. for 3/8" ϕ bolts. All bolts shall be burned, sawed, or chipped off flush with the plates after forms are removed, typ.

**SECTION THRU
ROLLED RAIL JOINT**



7/16" ϕ holes at 4'-0" cts. for 3/8" ϕ bolts. All bolts shall be burned, sawed, or chipped off flush with the plates after forms are removed, typ.

**SECTION THRU
WELDED RAIL JOINT**

Notes:

The strip seal shall be made continuous and shall have a minimum thickness of 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.

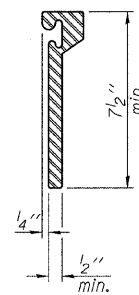
The Locking Edge Rails depicted are conceptual only, except for the minimum dimensions shown. The actual configuration of the Locking Edge Rails and matching strip seal may vary from manufacturer to manufacturer. Flanged edge rails will not be allowed. Locking Edge Rails may be spliced at slope discontinuities.

The manufacturer's recommended installation methods shall be followed.

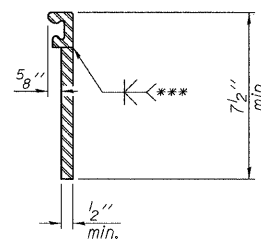
The joint opening and deck dimensions detailed on the superstructure are based on a rolled rail expansion joint. If the Contractor elects to use the welded rail expansion joint, the opening and deck dimensions shall be modified according to the dimensions detailed on this sheet. Required modifications shall be made at no additional cost to the State.

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

Maximum space between rail segments at stage lines shall be 3/16", sealed with a suitable sealant.

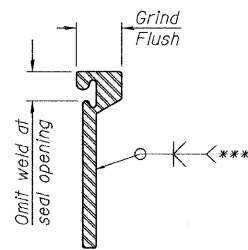


**ROLLED
EXTRUDED RAIL**



WELDED RAIL

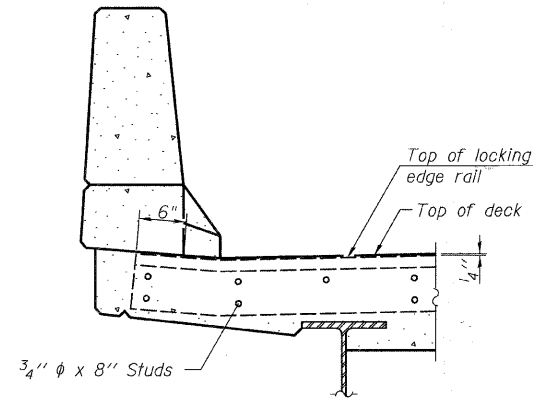
LOCKING EDGE RAILS



*** Back gouge not required if complete joint penetration is verified by mock-up.

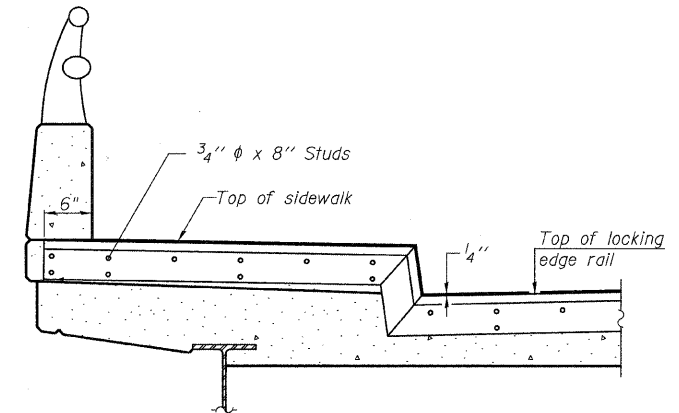
**LOCKING EDGE
RAIL SPLICE**

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



AT WEST PARAPET

TYPICAL END TREATMENTS



AT EAST SIDEWALK

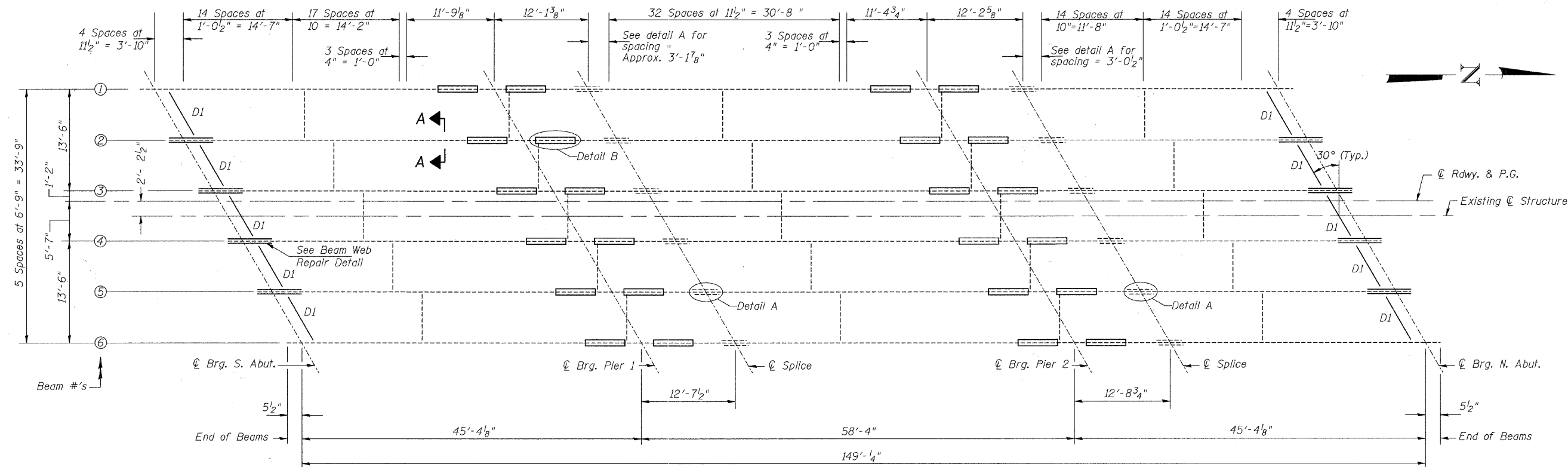
Shorter plates with a single row of studs at 12" cts. may be necessary on sidewalks or medians which are shallower than 9". See manufacturer's recommendation.

BILL OF MATERIAL

Item	Unit	Total
Preformed Joint Strip Seal	Foot	85

**PREFORMED JOINT STRIP SEAL
JOLIET STREET (TR 85) OVER HICKORY CREEK
SECTION 07-10117-00-BR
WILL COUNTY
STATION 9+97.55**

SHEET NO. 15	RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
26 SHEETS	TR 85	07-10117-00-BR	WILL	36	23
S.N. 099-3290			CONTRACT NO. 63642		
FED. ROAD DIST. NO. 7 ILLINOIS			FED. AID PROJECT BRS-		



	Abut.	Pier
R_{DC1} (k)	13.5	47.9
R_{DC2} (k)	5.0	16.3
R_{DW} (k)	6.0	19.2
R_{L+IM} (k)	71.2	120.8
R_{Total} (k)	95.7	204.2

I_s, S_s : Non-composite moment of inertia and section modulus of the steel section used for computing f_s (Total-Strength I, and Service II) due to non-composite dead loads (in^4 and in^3).

$I_c(n), S_c(n)$: Composite moment of inertia and section modulus of the steel and deck based upon the modular ratio, "n", used for computing f_s (Total-Strength I, and Service II) due to short-term composite live loads (in^4 and in^3).

$I_c(3n), S_c(3n)$: Composite moment of inertia and section modulus of the steel and deck based upon 3 times the modular ratio, "3n", used for computing f_s (Total-Strength I, and Service II) due to long-term composite (superimposed) dead loads (in^4 and in^3).

Z: Plastic Section Modulus of the steel section in non-composite areas (in^3).

DC1: Un-factored non-composite dead load (kips/ft.).

M_{DC1} : Un-factored moment due to non-composite dead load (kip-ft.).

DC2: Un-factored long-term composite (superimposed excluding future wearing surface) dead load (kips/ft.).

M_{DC2} : Un-factored moment due to long-term composite (superimposed excluding future wearing surface) dead load (kip-ft.).

DW: Un-factored long-term composite (superimposed future wearing surface only) dead load (kips/ft.).

M_{DW} : Un-factored moment due to long-term composite (superimposed future wearing surface only) dead load (kip-ft.).

$M_L + IM$: Un-factored live load moment plus dynamic load allowance (impact) (kip-ft.).

M_u (Strength I): Factored design moment (kip-ft.).

$1.25 (M_{DC1} + M_{DC2}) + 1.5 M_{DW} + 1.75 M_L + IM$

$\phi_r M_n$: Compact composite positive moment capacity computed according to Article 6.10.7.1 (kip-ft.).

$\phi_r M_{nc}$: Compact non-composite negative moment capacity computed according to Article A6.1.1 (kip-ft.).

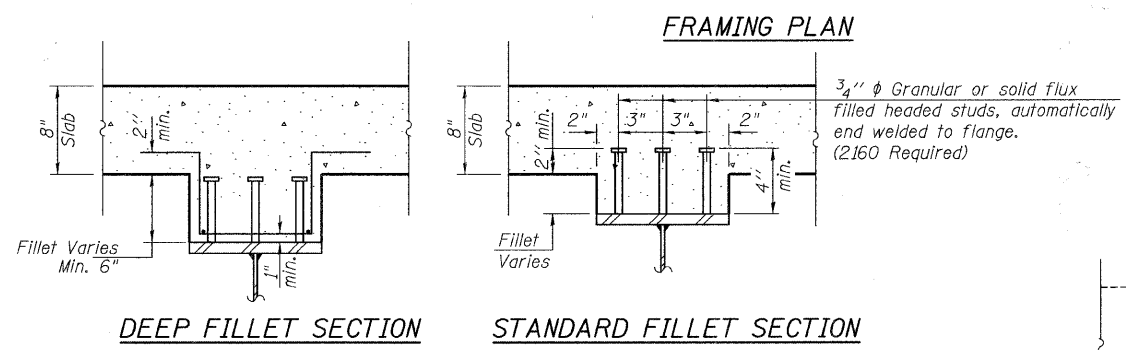
f_s (Service II): Sum of stresses as computed from the moments below (ksi).

$M_{DC1} + M_{DC2} + M_{DW} + 1.3 M_L + IM$

f_s (Total Strength I): Sum of stresses as computed from the moments below on non-compact section (ksi).

$1.25 (M_{DC1} + M_{DC2}) + 1.5 M_{DW} + 1.75 M_L + IM$

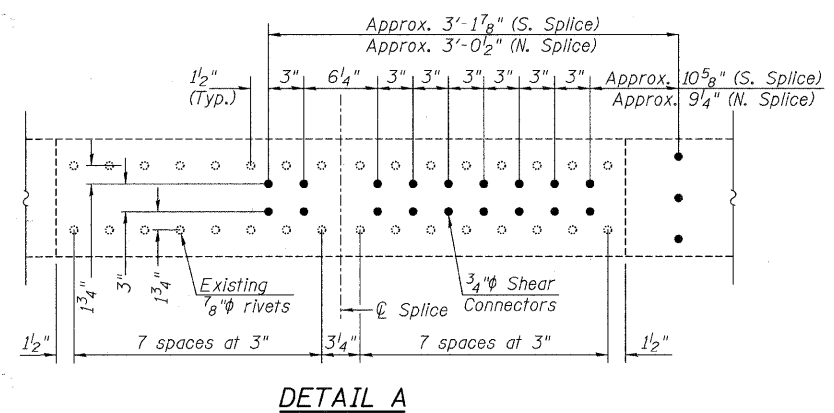
V_r : Maximum factored shear range in composite portion of span computed according to Article 6.10.10.



SECTION A-A

	0.4 Span 1 & 0.6 Span 3	Piers 1 & 2	0.5 Span 2
I_s (in^4)	4081	5817	4081
$I_c(n)$ (in^4)	11583	-	11583
$I_c(3n)$ (in^4)	8561	-	8561
S_s (in^3)	299	411	299
$S_c(n)$ (in^3)	451	-	451
$S_c(3n)$ (in^3)	408	-	408
Z (in^3)	-	464	-
DC1 (k/ft)	0.823	0.860	0.823
M_{DC1} (k)	109	239	115
DC2 (k/ft)	0.286	0.286	0.286
M_{DC2} (k)	44	66	56
DW (k/ft)	0.338	0.338	0.338
M_{DW} (k)	52	78	66
$M_L + IM$ (k)	492	344	515
M_u (Strength I) (k)	1130	1096	1213
$\phi_r M_n, \phi_r M_{nc}$ (k)	1768	-	1768
f_s DC1 (ksi)	4.37	6.98	4.62
f_s DC2 (ksi)	1.29	1.93	1.65
f_s DW (ksi)	1.53	2.28	1.94
f_s 1.3(L+IM) (ksi)	17.02	13.06	17.81
f_s (Service II) (ksi)	24.22	24.65	26.02
f_s (Total Strength I) (ksi)	-	32.14	-
V_r (k)	41	-	39

* Compact sections
** Non-Compact & Slender sections

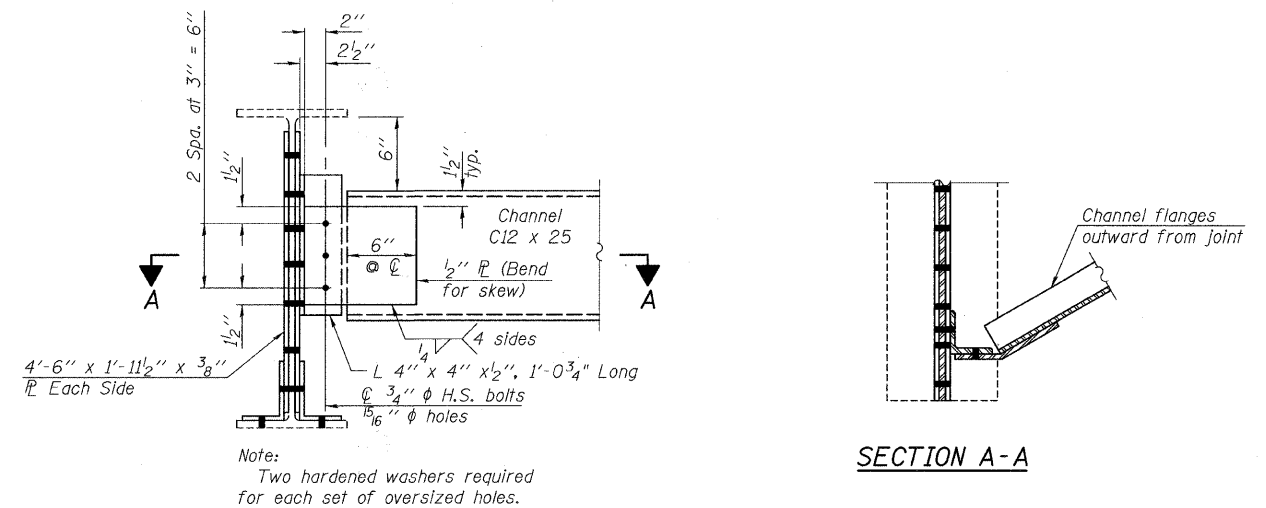
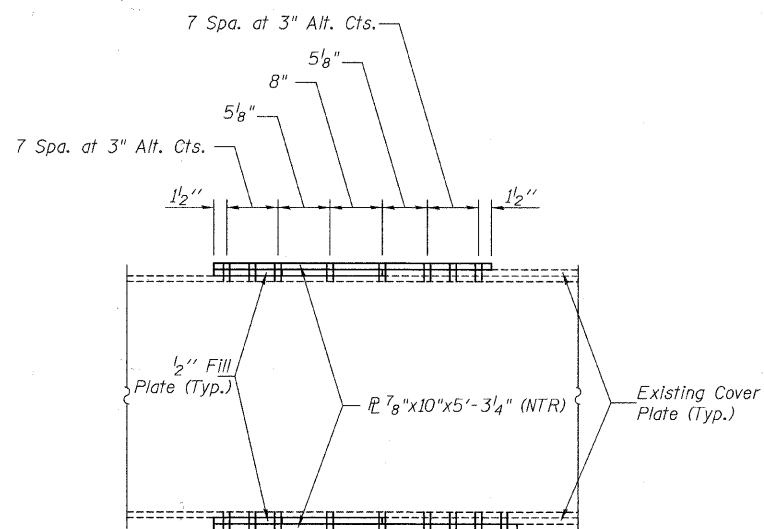
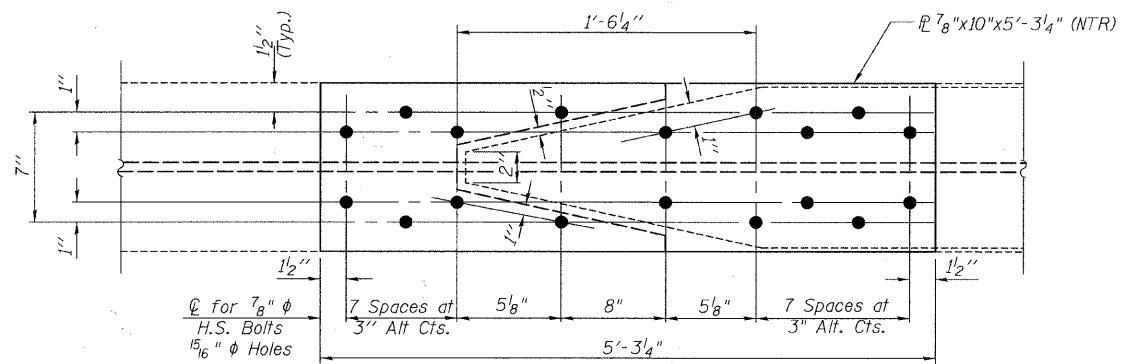


DETAIL A

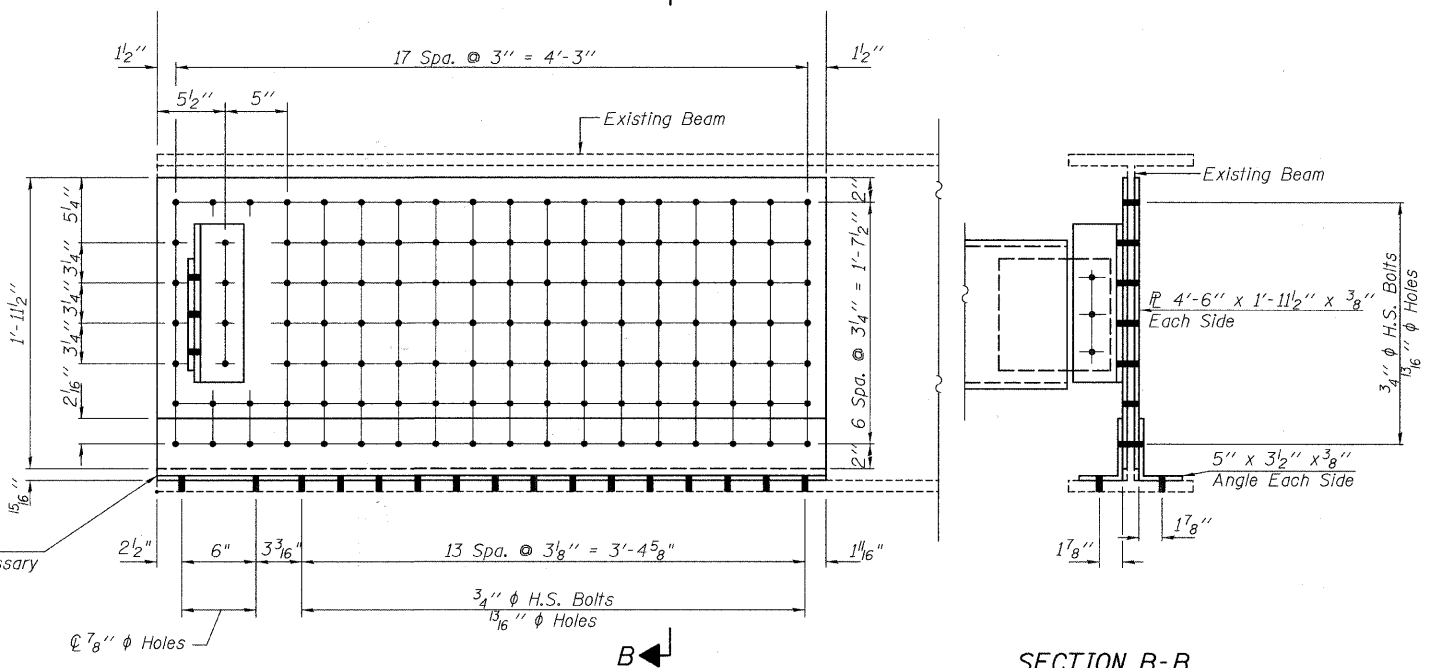
Note:
See sheet 17 of 26 for Detail B, Diaphragm Details, and Beam Web Repair Details.

STRUCTURAL STEEL DETAILS
JOLIET STREET (TR 851) OVER HICKORY CREEK
SECTION 07-10117-00-BR
WILL COUNTY
STATION 9+97.55

SHEET NO. 16	RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
26 SHEETS	TR 851	07-10117-00-BR	WILL	36	24
S.N. 099-3290			CONTRACT NO. 63642		
FED. ROAD DIST. NO. 7 ILLINOIS			FED. AID PROJECT BRS-		



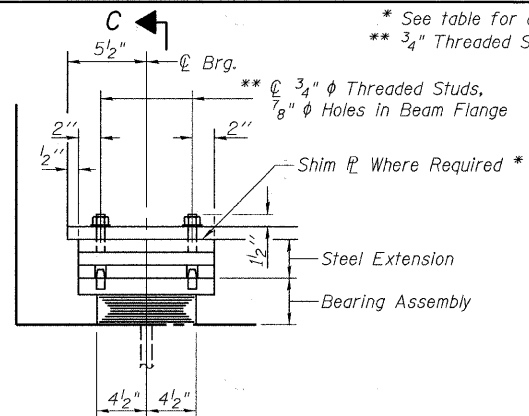
DI DIAPHRAGM CONNECTIONS



Notes:
Load carrying components designated "NTR" shall conform to the Supplemental Requirements for Notch Toughness, Zone 2.
All steel required for beam web repairs & cover plate repairs is paid for as Furnishing and Erecting Structural Steel.

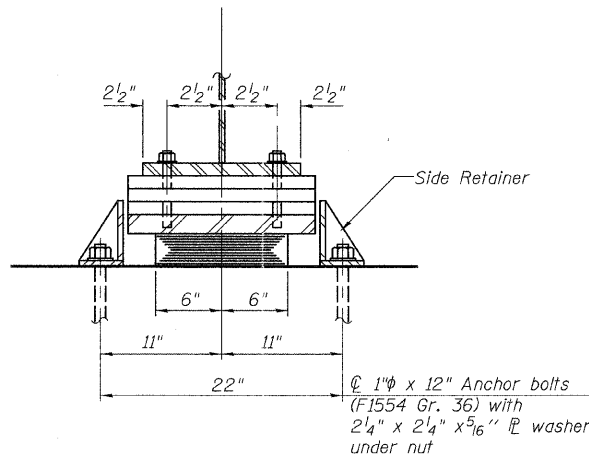
STEEL REPAIR DETAILS
JOLIET STREET (TR 85) OVER HICKORY CREEK
SECTION 07-10117-00-BR
WILL COUNTY
STATION 9+97.55

SHEET NO. 17 26 SHEETS	RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	TR 851	07-10117-00-BR	WILL	36	25
	S.N. 099-3290		CONTRACT NO. 63642		
FED. ROAD DIST. NO. 7 ILLINOIS			FED. AID PROJECT BRS-		



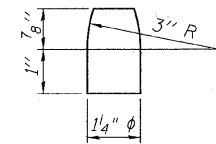
ELEVATION AT ABUT.

* See table for corresponding Beam Steel Extension Plate Thickness
 ** 3/4" Threaded Studs, shall be placed in the field



SECTION C-C

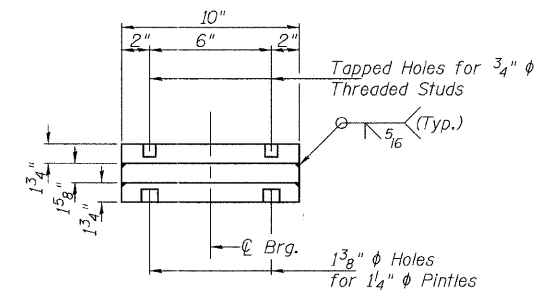
TYPE I ELASTOMERIC EXP. BRG.
 AT S. ABUTMENT



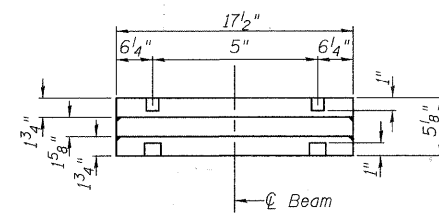
PINTLE
 (Gr. 50)

S. ABUT. SHIMPLATE TABLE	
Beam No.	Thickness
1	5/8"
2	3/4"
3	-
4	1/4"
5	1/2"
6	5/8"

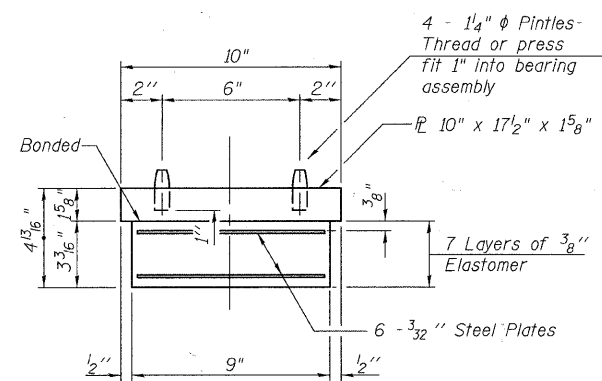
Notes:
 Anchor bolts shall be ASTM F1554 all-thread (or an Engineer-approved alternate material) of the grade(s) and diameter(s) specified. ASTM A307 Grade C anchor bolts may be used in lieu of ASTM F1554 Grade 36 (Fy=36ksi). The corresponding specified grade of AASHTO M314 anchor bolts may be used in lieu of ASTM F1554.
 Drilled and set anchor bolts shall be installed according to Article 521.06 of the Standard Specifications.
 Side retainers, steel extensions and other steel members required for the elastomeric bearing assembly shall be included in the cost of Elastomeric Bearing Assembly, Type I.
 Prior to ordering any material, the Contractor shall verify in the field all bearing height and shim thickness dimensions.
 The concrete deck shall be removed prior to jacking and removing of existing bearings.



ELEVATION STEEL EXTENSION

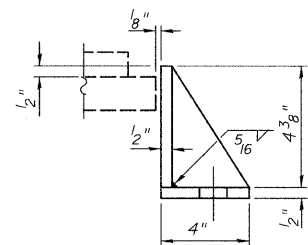


END VIEW STEEL EXTENSION

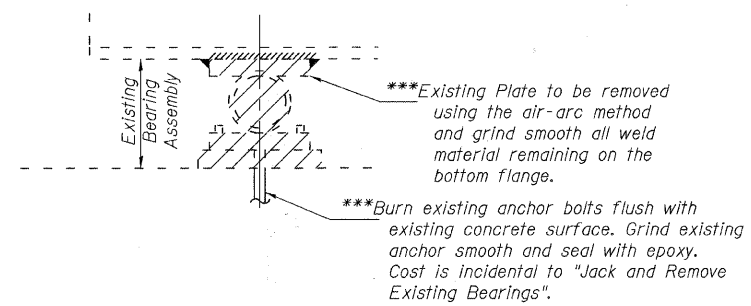
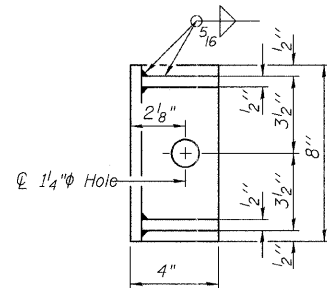


BEARING ASSEMBLY

Note:
 Shim plates shall not be placed under Bearing Assembly.



SIDE RETAINER TYPE I
 Equivalent rolled angle with stiffeners will be allowed in lieu of welded plates.



EXISTING BEARING REMOVAL DETAIL

*** Cost is included in Jack and Remove Existing Bearings.

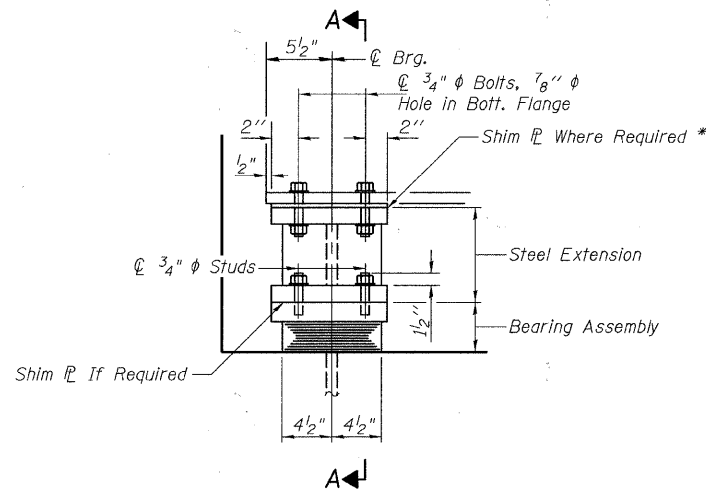
BILL OF MATERIAL

Item	Unit	Total
Elastomeric Bearing Assembly Type I	Each	6
Anchor Bolts, 1"	Each	12
Jack and Remove Existing Bearings	Each	6

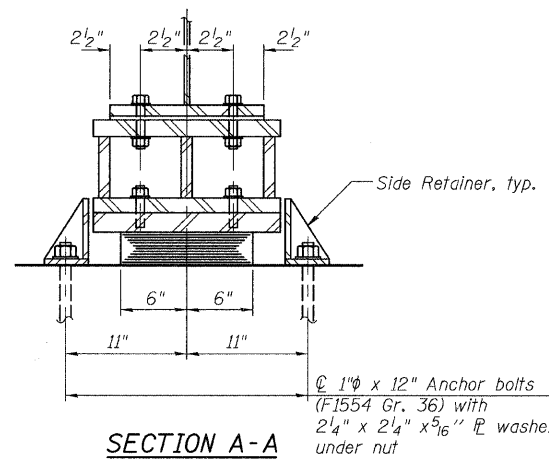
SOUTH ABUTMENT BEARING DETAILS
 JOLIET STREET (TR 85) OVER HICKORY CREEK
 SECTION 07-10117-00-BR
 WILL COUNTY
 STATION 9+97.55

SHEET NO. 18	RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
26 SHEETS	TR 851	07-10117-00-BR	WILL	36	26
S.N. 099-3290			CONTRACT NO. 63642		
FED. ROAD DIST. NO. 7 ILLINOIS			FED. AID PROJECT BR5-		

* See table for corresponding Shim Plate Thickness

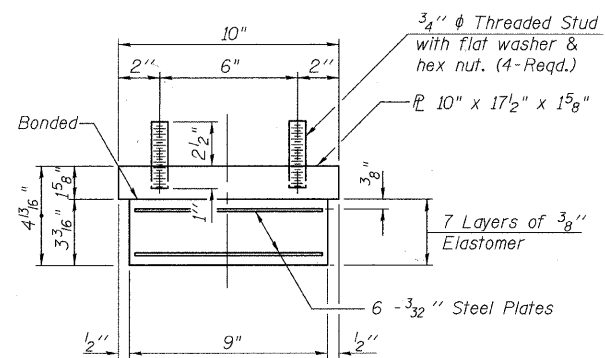


ELEVATION AT ABUT.



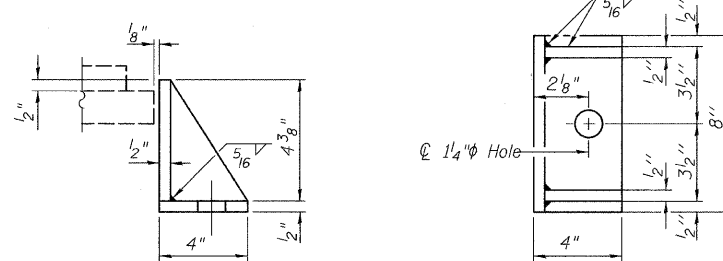
SECTION A-A

TYPE I ELASTOMERIC EXP. BRG. AT N. ABUTMENT



BEARING ASSEMBLY

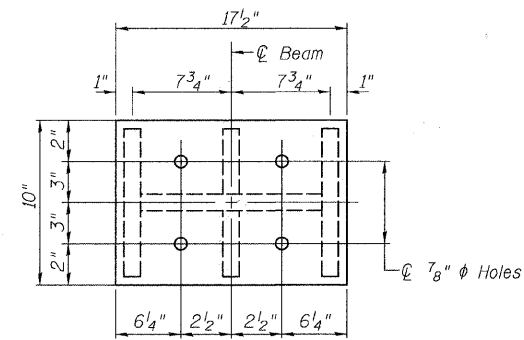
Note:
Shim plates shall not be placed under Bearing Assembly.



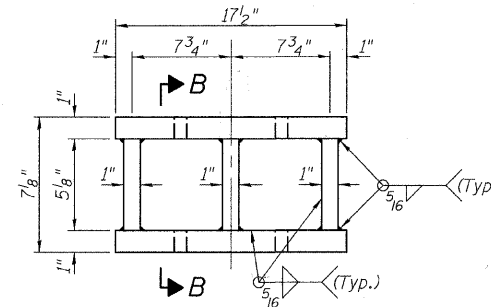
SIDE RETAINER TYPE I
Equivalent rolled angle with stiffeners will be allowed in lieu of welded plates.

BILL OF MATERIAL

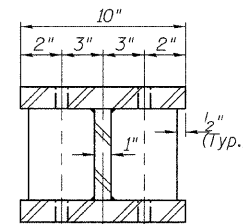
Item	Unit	Total
Elastomeric Bearing Assembly Type I	Each	6
Anchor Bolts, 1"	Each	12
Jack and Remove Existing Bearings	Each	6



PLAN STEEL EXTENSION
(North Abutment)

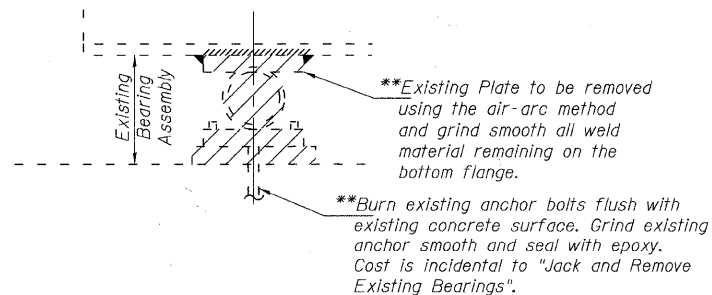


ELEVATION STEEL EXTENSION
(North Abutment)



SECTION B-B

Notes:
Anchor bolts shall be ASTM F1554 all-thread (or an Engineer-approved alternate material) of the grade(s) and diameter(s) specified. ASTM A307 Grade C anchor bolts may be used in lieu of ASTM F1554 Grade 36 (Fy=36ksi). The corresponding specified grade of AASHTO M314 anchor bolts may be used in lieu of ASTM F1554.
Drilled and set anchor bolts shall be installed according to Article 521.06 of the Standard Specifications.
Side retainers, steel extensions and other steel members required for the elastomeric bearing assembly shall be included in the cost of Elastomeric Bearing Assembly, Type I.
Prior to ordering any material, the Contractor shall verify in the field all bearing height and shim thickness dimensions.
The concrete deck shall be removed prior to jacking and removing the existing bearings.



** Cost is included in Jack and Remove Existing Bearings.

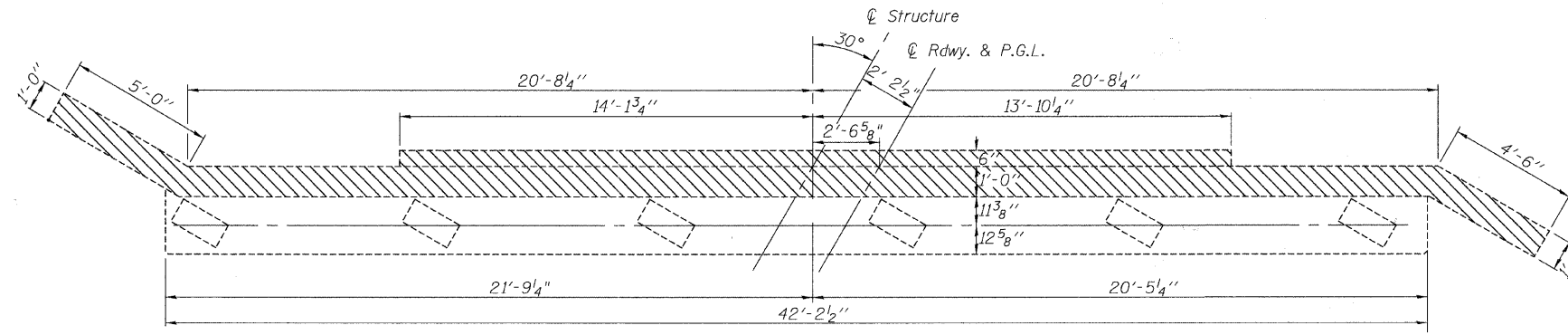
EXISTING BEARING REMOVAL DETAIL

N. ABUT. SHIMPLATE TABLE

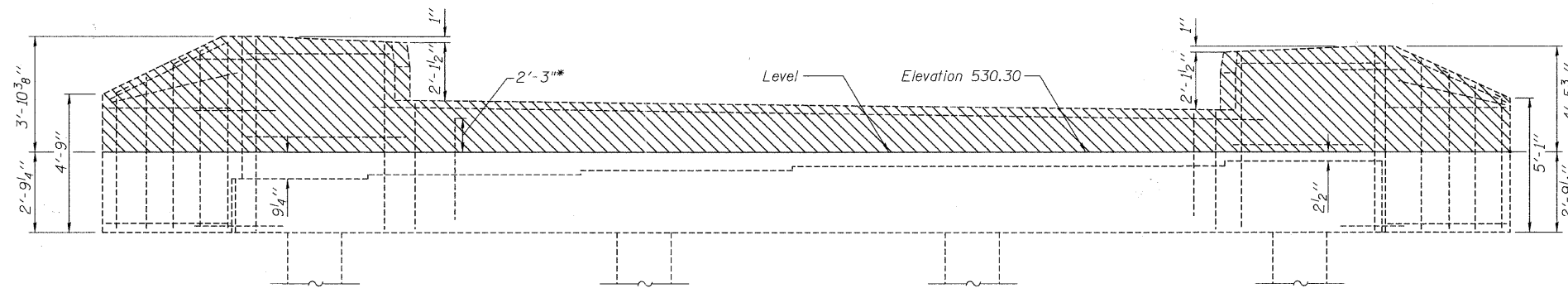
Beam No.	Thickness
1	1/2"
2	-
3	-
4	1/2"
5	5/8"
6	7/8"

**NORTH ABUTMENT BEARING DETAILS
JOLIET STREET (TR 851) OVER HICKORY CREEK
SECTION 07-10117-00-BR
WILL COUNTY
STATION 9+97.55**

SHEET NO.	RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
19	TR 851	07-10117-00-BR	WILL	36	27
26 SHEETS			S.N. 099-3290		CONTRACT NO. 63642
FED. ROAD DIST. NO. 7 ILLINOIS			FED. AID PROJECT BRS-		

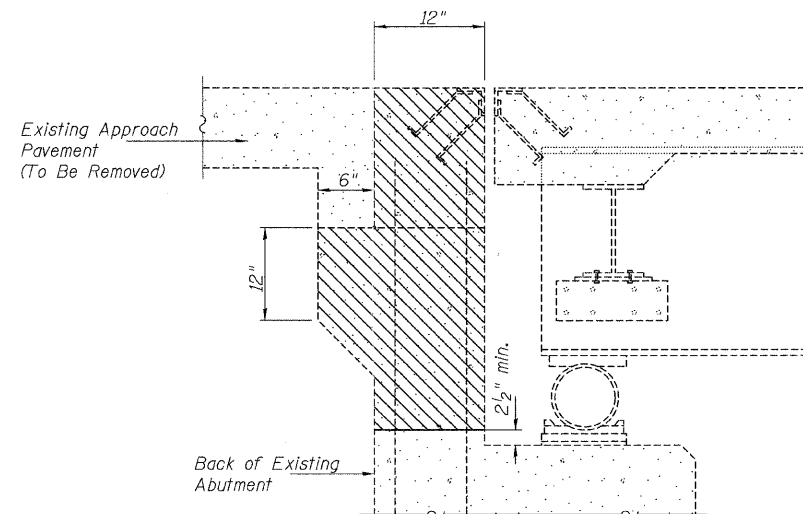


PLAN



ELEVATION

* Cut existing bars in the backwall 2'-3" above level concrete cut.



SECTION THRU
ABUTMENT CONCRETE REMOVAL

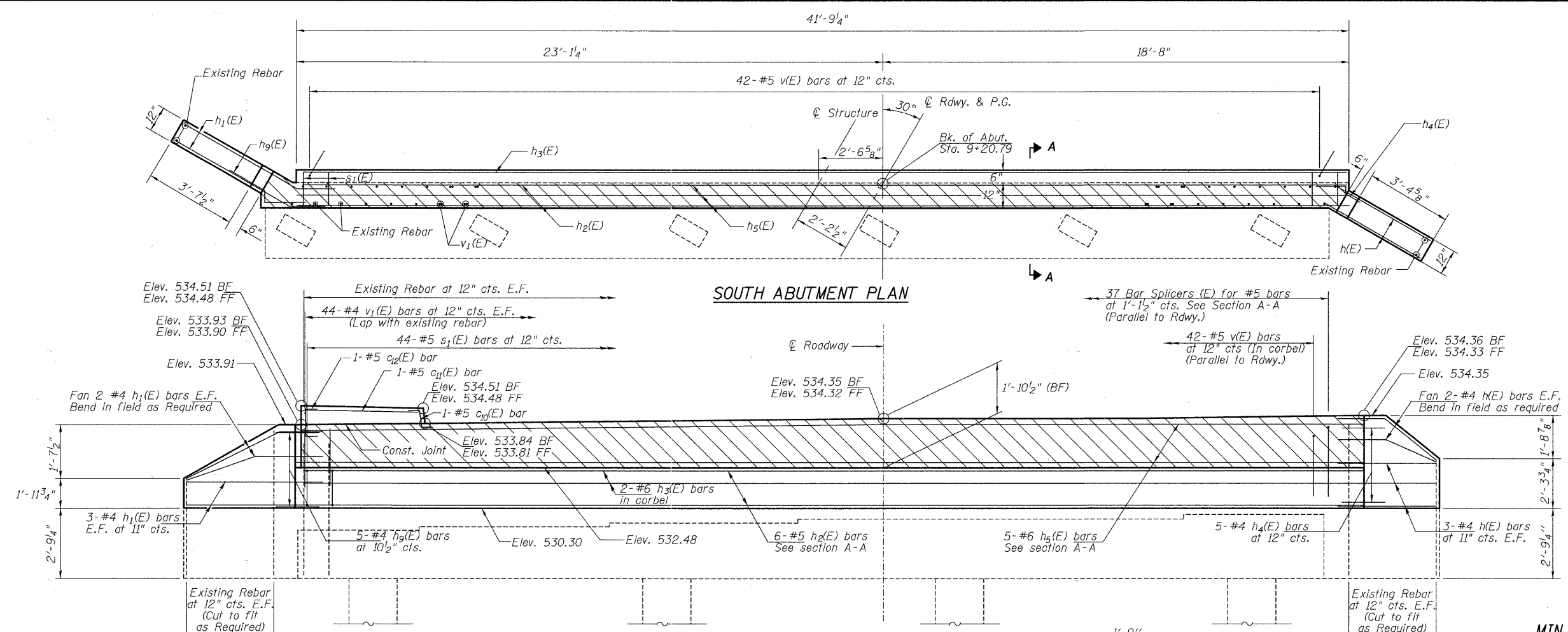
Notes:
Existing vertical reinforcement shall be cleaned and incorporated into the new construction. Cost included with Concrete Removal.
Hatched area indicates Concrete Removal.

BILL OF MATERIAL

Item	Unit	Quantity
Concrete Removal	Cu. Yd.	7.6

SOUTH ABUTMENT CONCRETE REMOVAL
JOLIET STREET (TR 851) OVER HICKORY CREEK
SECTION 07-10117-00-BR
WILL COUNTY
STATION 9+97.55

SHEET NO.	RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
20	TR 851	07-10117-00-BR	WILL	36	28
26 SHEETS	S.N. 099-3290		CONTRACT NO. 63642		
FED. ROAD DIST. NO. 7 ILLINOIS			FED. AID PROJECT BRS-		

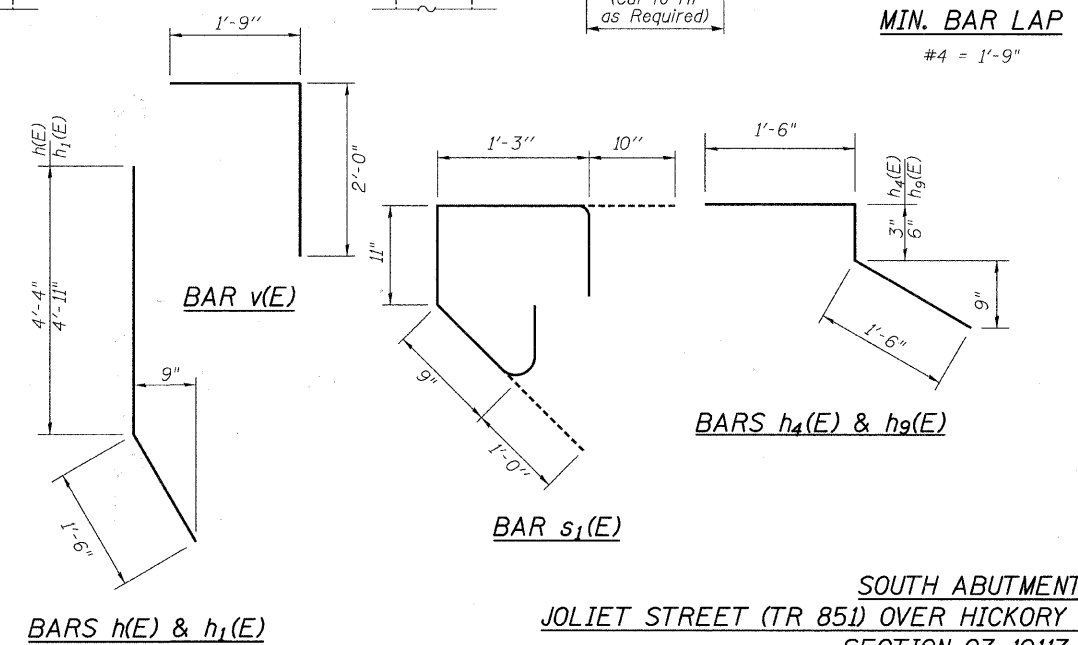
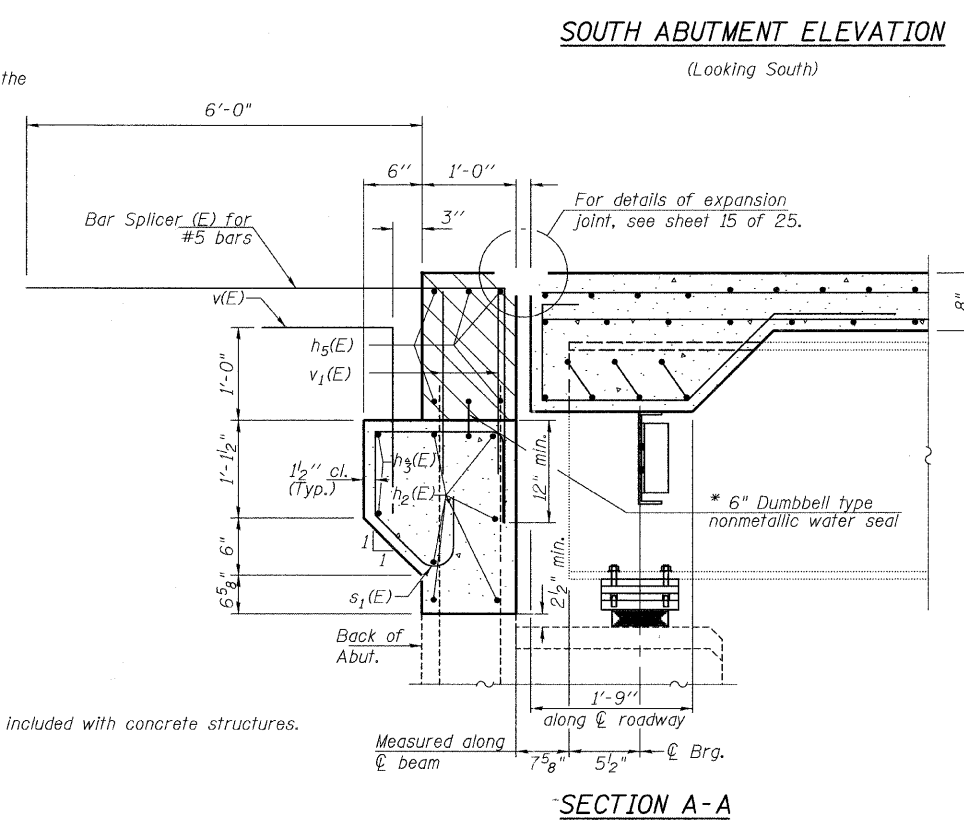


Notes:
 Existing vertical reinforcement shall be cleaned and incorporated into the new construction. Cost included with Concrete Removal.
 Hatched area to be poured after superstructure false work has been removed. Quantity of concrete included with Concrete Superstructure.
 Sidewalk to be poured with Approach Slab after the hatch block has been poured. Quantity of Concrete Superstructure and Reinforcement included in the Approach Slab quantities.

**SOUTH ABUTMENT
 BILL OF MATERIAL**

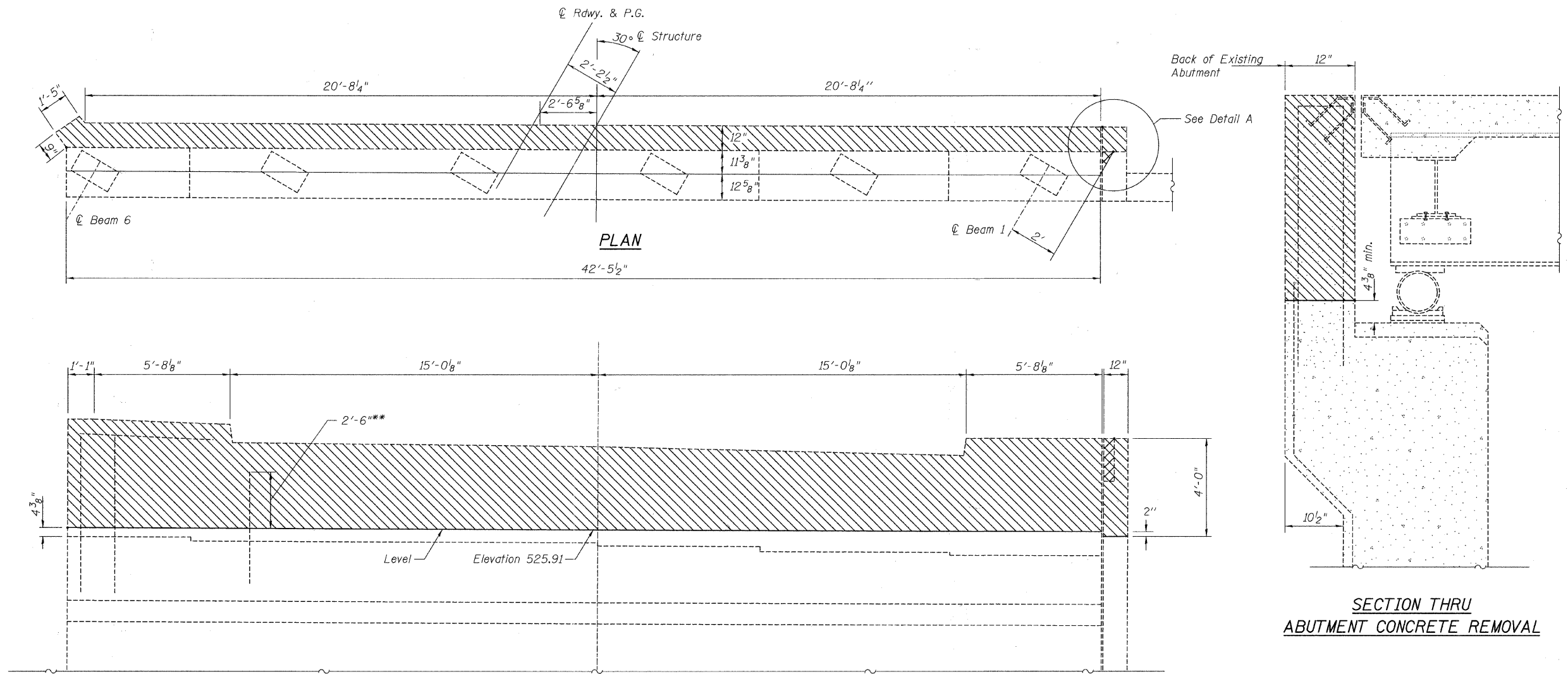
Bar	No.	Size	Length	Shape
h(E)	10	#4	5'-10"	—
h ₁ (E)	10	#4	6'-5"	—
h ₂ (E)	6	#5	42'-11"	—
h ₃ (E)	2	#6	41'-6"	—
h ₄ (E)	5	#4	3'-3"	—
h ₅ (E)	5	#6	42'-11"	—
h ₉ (E)	5	#4	3'-6"	—
s ₁ (E)	43	#5	4'-9"	⊏
v(E)	42	#5	3'-9"	⊏
v ₁ (E)	88	#4	3'-3"	—
Concrete Structures		Cu. Yd.	5.4	
Reinforcement Bars, Epoxy Coated		Pound	1,390	
Bar Splicers		Each	37	

* Cost included with concrete structures.



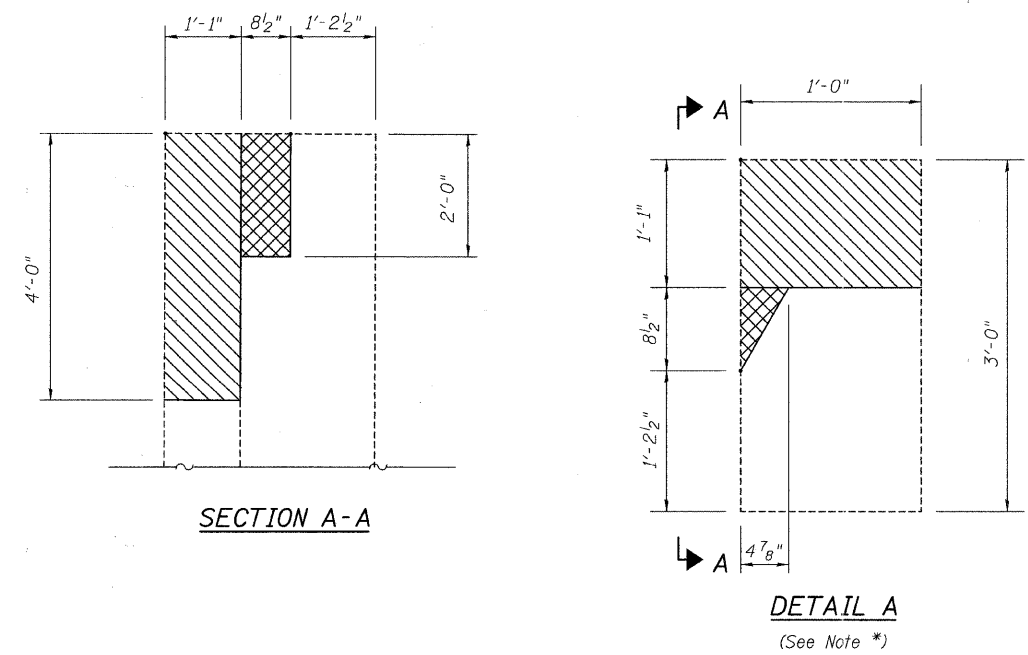
**SOUTH ABUTMENT PLAN
 JOLIET STREET (TR 851) OVER HICKORY CREEK
 SECTION 07-10117-00-BR
 WILL COUNTY
 STATION 9+97.55**

SHEET NO. 21 26 SHEETS	RTE. NO. TR 851	SECTION 07-10117-00-BR	COUNTY WILL	TOTAL SHEETS 36	SHEET NO. 29
	S.N. 099-3290		CONTRACT NO. 63642		
FED. ROAD DIST. NO. 7 ILLINOIS			FED. AID PROJECT BRS-		



** Cut existing reinforcement in backwall 2'-6" above level concrete cut.

Notes:
 Existing reinforcement shall be cleaned and incorporated into the new construction. Cost included with Concrete Removal.
 Hatched area indicates Concrete Removal.



BILL OF MATERIAL

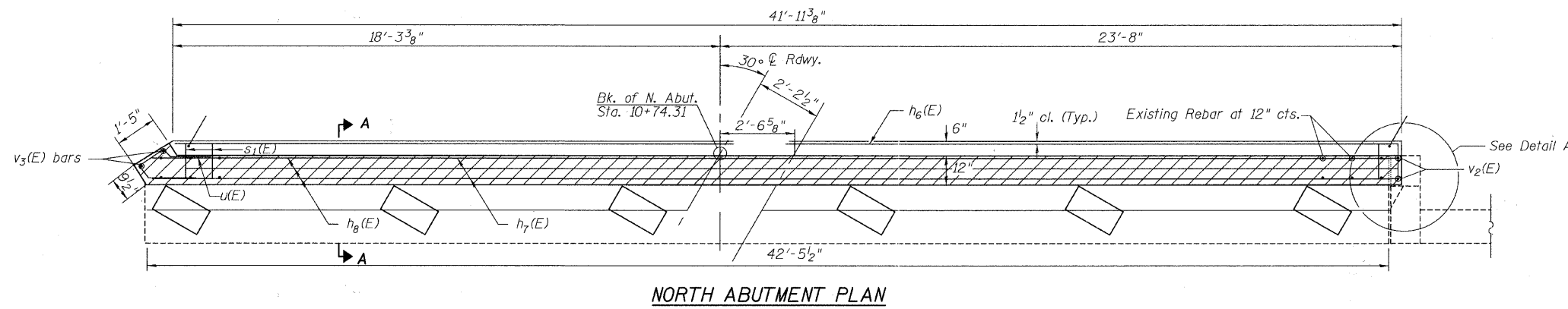
Item	Unit	Quantity
Concrete Removal	Cu. Yd.	5.7

NORTH ABUTMENT CONCRETE REMOVAL
JOLIET STREET (TR 85) OVER HICKORY CREEK
SECTION 07-10117-00-BR
WILL COUNTY
STATION 9+97.55

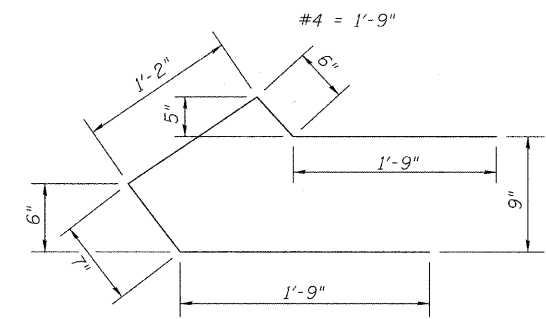
SHEET NO. 22	RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
26 SHEETS	TR 851	07-10117-00-BR	WILL	36	30
S.N. 099-3290			CONTRACT NO. 63642		
FED. ROAD DIST. NO. 7 ILLINOIS			FED. AID PROJECT BRS-		

**NORTH ABUTMENT
BILL OF MATERIAL**

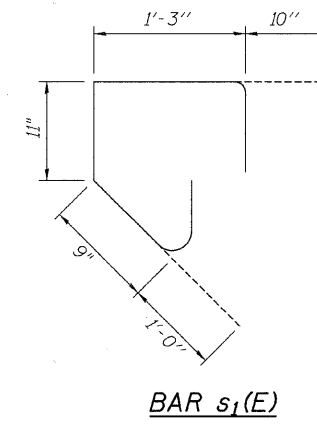
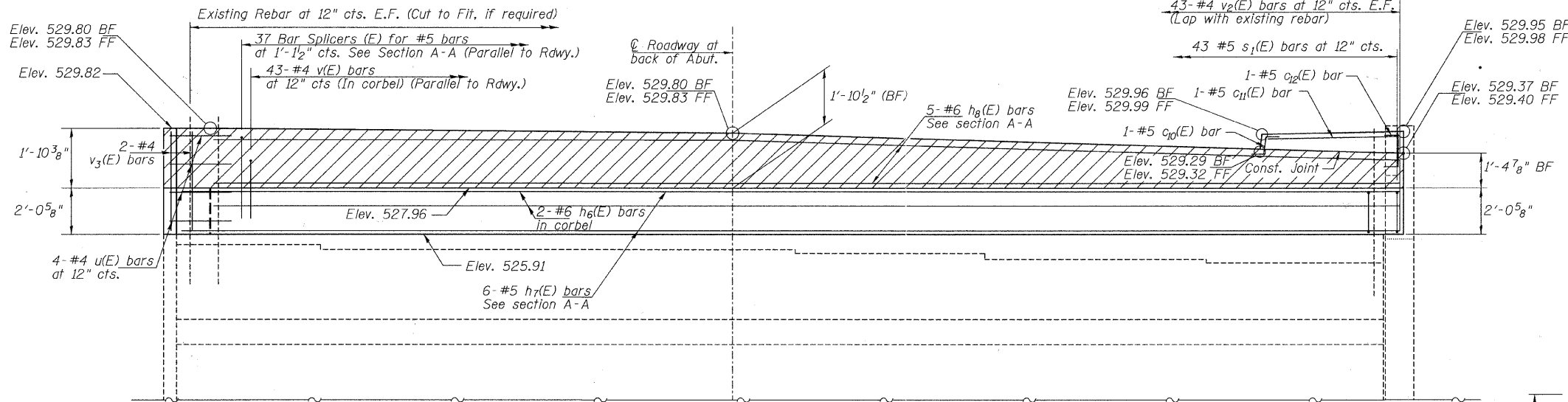
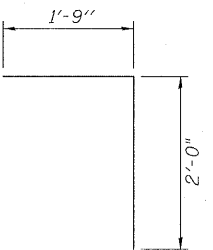
Bar	No.	Size	Length	Shape
$h_6(E)$	2	#6	41'-9"	—
$h_7(E)$	6	#5	42'-6"	—
$h_8(E)$	5	#6	42'-6"	—
$s_1(E)$	43	#5	4'-9"	□
$u(E)$	4	#4	5'-9"	⌋
$v(E)$	43	#4	3'-9"	⌋
$v_2(E)$	86	#4	3'-1"	—
$v_3(E)$	4	#4	3'-7"	—
Concrete Structures		Cu. Yd.	4.4	
Reinforcement Bars, Epoxy Coated		Pound	1,230	
Bar Splicers		Each	37	



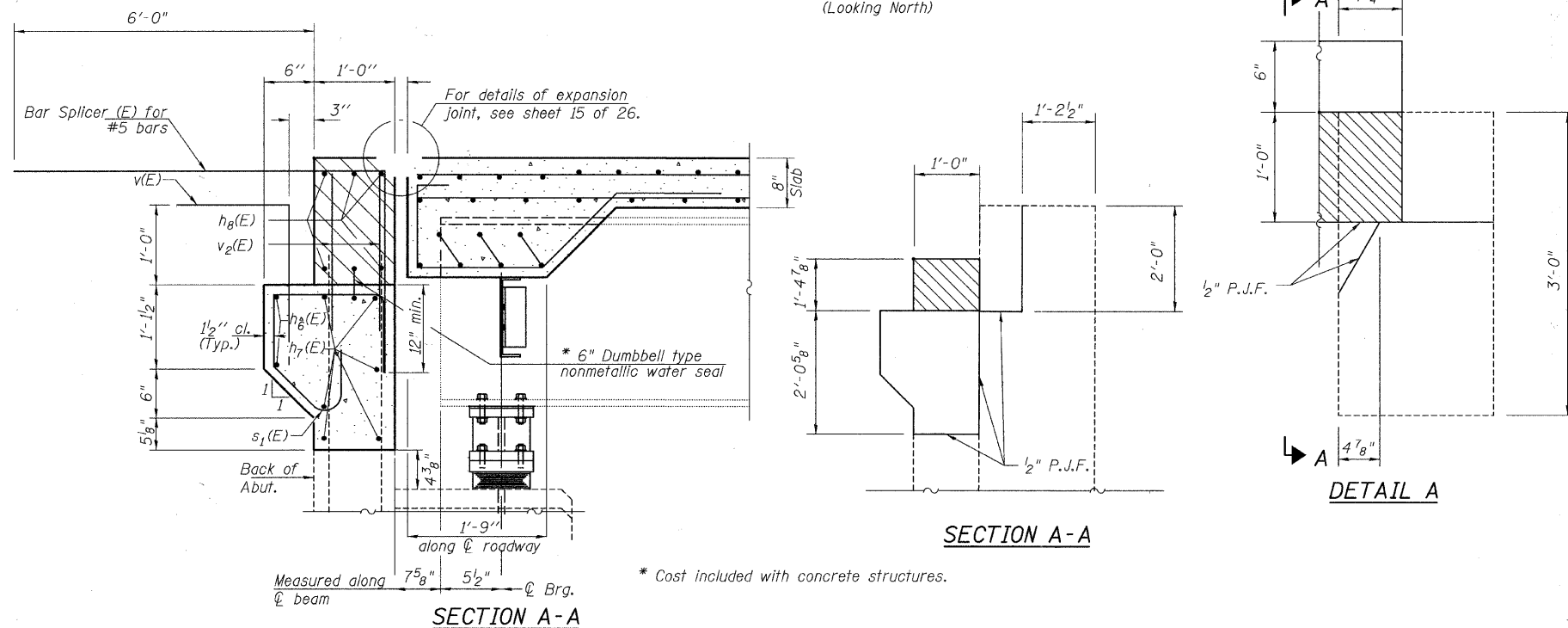
MIN. BAR LAP



BAR $u(E)$

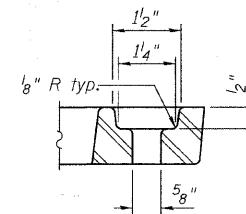
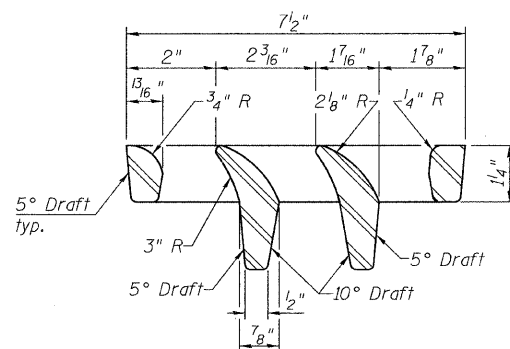
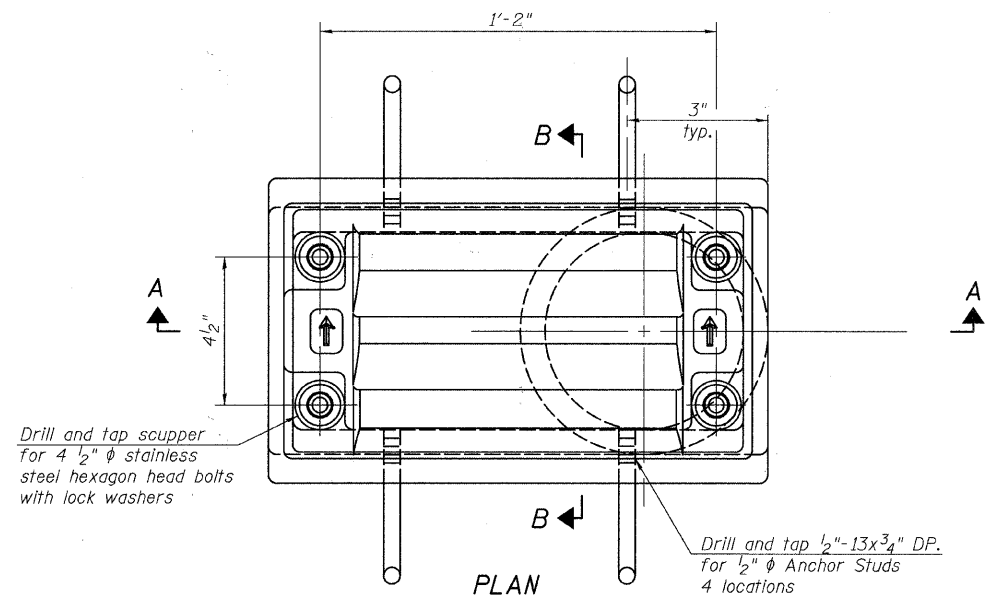


Notes:
Existing vertical reinforcement shall be cleaned and incorporated into the new construction. Cost included with Concrete Removal.
Hatched area to be poured after superstructure false work has been removed. Quantity of concrete included with Concrete Superstructure.
Sidewalk to be poured with Approach Slab after hatch block has been poured. Quantity of Concrete Superstructure and Reinforcement included in Approach Slab quantities.



**NORTH ABUTMENT PLAN
JOLIET STREET (TR 85) OVER HICKORY CREEK
SECTION 07-10117-00-BR
WILL COUNTY
STATION 9+97.55**

SHEET NO. 23 26 SHEETS	RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	TR 851	07-10117-00-BR	WILL	36	31
	S.N. 099-3290		CONTRACT NO. 63642		
FED. ROAD DIST. NO. 7 ILLINOIS			FED. AID PROJECT BRS-		



Notes:

All cast iron parts shall be gray iron conforming to the requirements of AASHTO M 105, Class 35B.

Bolts, anchor studs, washers and nuts shall conform to the requirements of ASTM A 307 and shall be galvanized according to AASHTO M 232.

Downspouts located on the exterior side of a painted steel fascia beam shall be painted with the finish coat specified for the exterior side of the fascia beam.

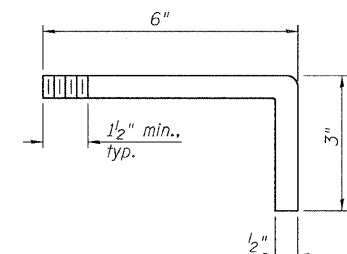
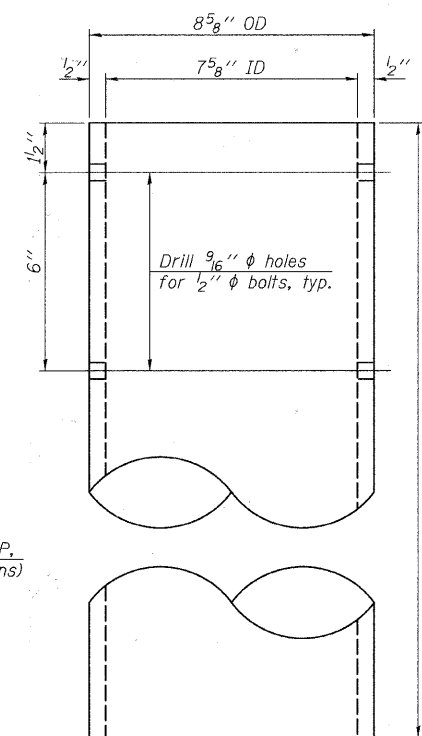
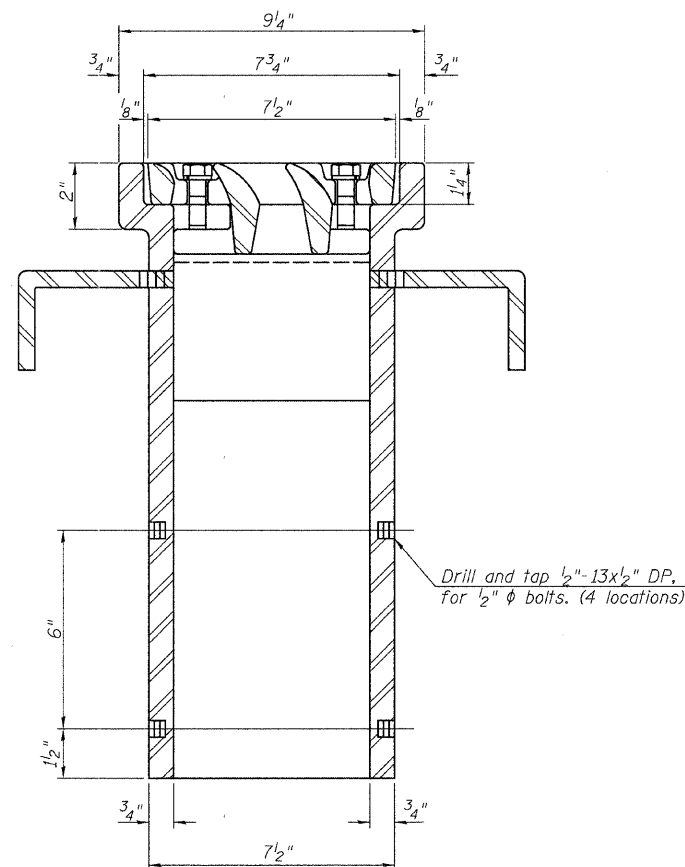
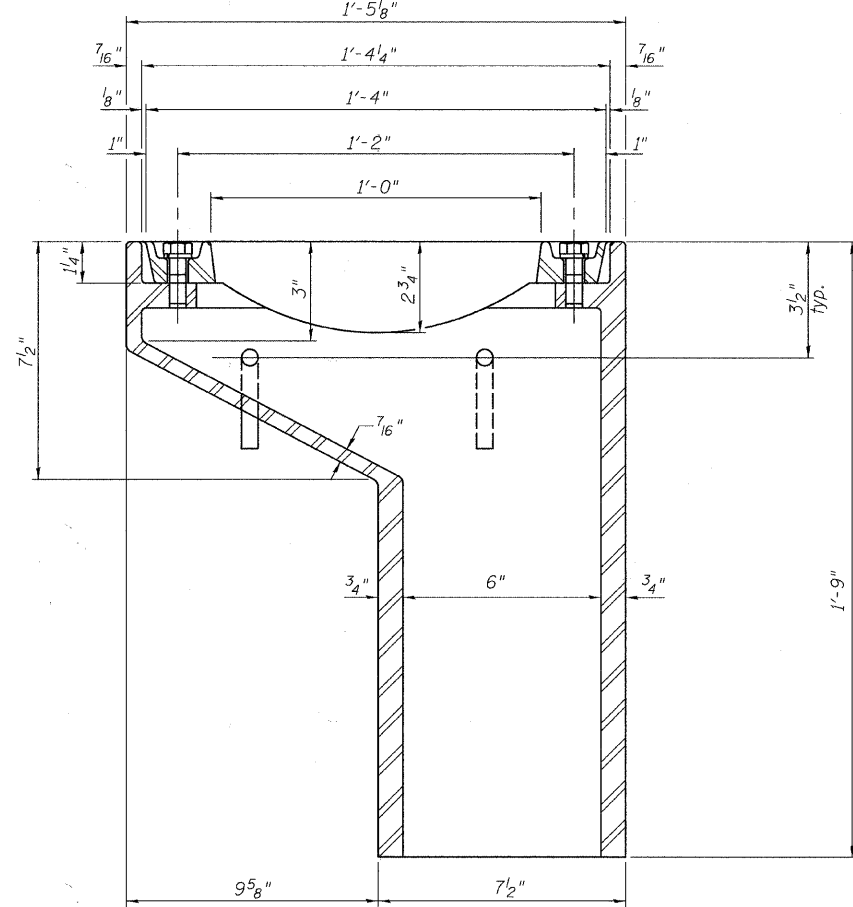
As an alternate, bolts, anchor studs, washers and nuts may be stainless steel according to Article 1006.29(d) of the Standard Specifications.

Structural steel weldments of equal sections and of the same configuration may be substituted for the cast iron scupper frame. Fillet or full penetration welds shall be used for the weldments. Details shall be submitted to the Engineer for approval. Structural steel weldments shall not be substituted for the cast iron scupper grate. Structural steel frames and downspouts shall be galvanized according to AASHTO M111.

The Contractor shall take appropriate measures to assure that Protective Coat is not applied to the scupper.

Cost of the Grate, Frame, Downspout, Anchor Studs, Bolts, Washers and Nuts including complete installation of the scupper shall be paid for at the contract unit price each for Drainage Scupper, DS-11.

Alternate fiberglass downspout conforming to ASTM D 2996 with a short-time rupture strength hoop tensile stress of 30,000 psi min. may be used in lieu of the cast iron or steel equivalent.

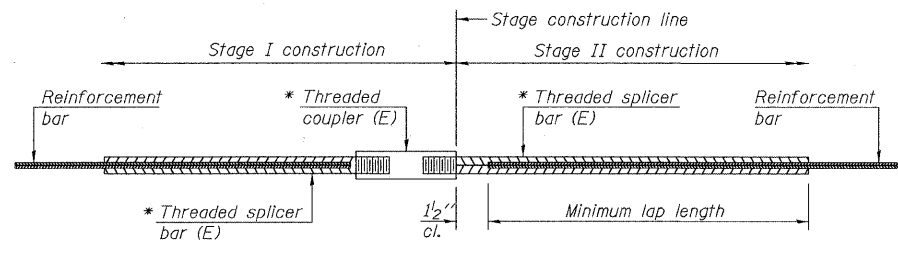


BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Drainage Scupper, DS-11	Each	2

DRAINAGE SCUPPER, DS-11
JOLIET STREET (TR 851) OVER HICKORY CREEK
SECTION 07-10117-00-BR
WILL COUNTY
STATION 9+97.55

SHEET NO. 24	RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
26 SHEETS	TR 851	07-10117-00-BR	WILL	36	32
S.N. 099-3290			CONTRACT NO. 63642		
FED. ROAD DIST. NO. 7 ILLINOIS			FED. AID PROJECT BRS-		



STANDARD BAR SPLICER ASSEMBLY

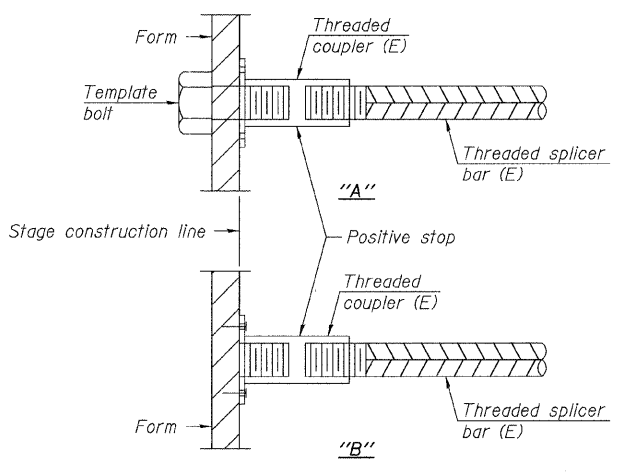
Bar size to be spliced	Minimum Lap Lengths				
	Table 1	Table 2	Table 3	Table 4	Table 5
3, 4	1'-5"	1'-11"	2'-1"	2'-4"	2'-3"
5	1'-9"	2'-5"	2'-7"	2'-11"	2'-10"
6	2'-1"	2'-11"	3'-1"	3'-6"	3'-4"
7	2'-9"	3'-10"	4'-2"	4'-8"	4'-6"
8	3'-8"	5'-1"	5'-5"	6'-2"	5'-10"
9	4'-7"	6'-5"	6'-10"	7'-9"	7'-5"

- Table 1: Black bar, 0.8 Class C
- Table 2: Black bar, Top bar lap, 0.8 Class C
- Table 3: Epoxy bar, 0.8 Class C
- Table 4: Epoxy bar, Top bar lap, 0.8 Class C
- Table 5: Epoxy bar, Top bar lap, Class B

Threaded splicer bar length = min. lap length + 1/2" + thread length

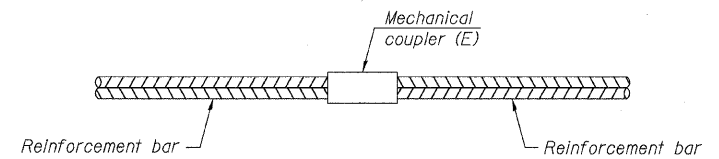
* Epoxy not required on Bar Splicer Assembly components used in conjunction with black bars.

Location	Bar size	No. assemblies required	Table for minimum lap length



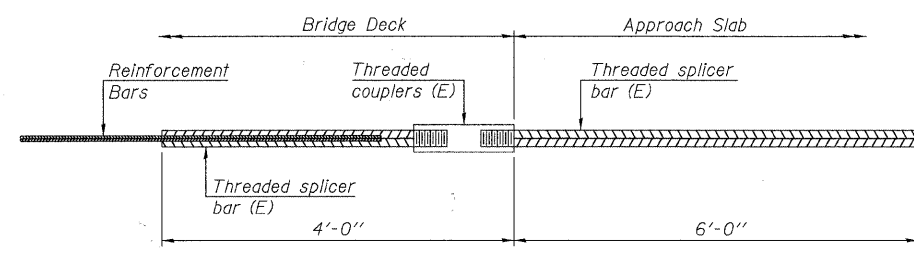
INSTALLATION AND SETTING METHODS

"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.



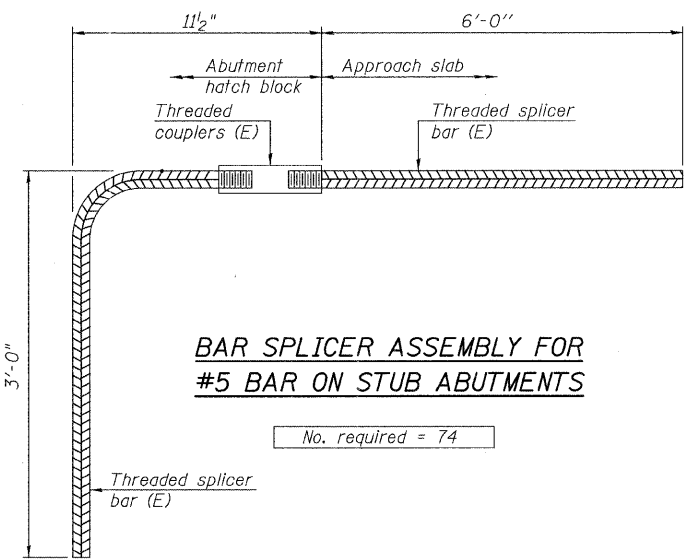
STANDARD MECHANICAL SPLICER

Location	Bar size	No. assemblies required



BAR SPLICER ASSEMBLY FOR #5 BAR ON INTEGRAL OR SEMI-INTEGRAL ABUTMENTS

No. required =



BAR SPLICER ASSEMBLY FOR #5 BAR ON STUB ABUTMENTS

No. required = 74

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 special provision for Mechanical Splicers.
- See approved list of bar splicer assemblies and mechanical splicers for alternatives.

**BAR SPLICER ASSEMBLY
 JOLIET STREET (TR 851) OVER HICKORY CREEK
 SECTION 07-10117-00-BR
 WILL COUNTY
 STATION 9+97.55**

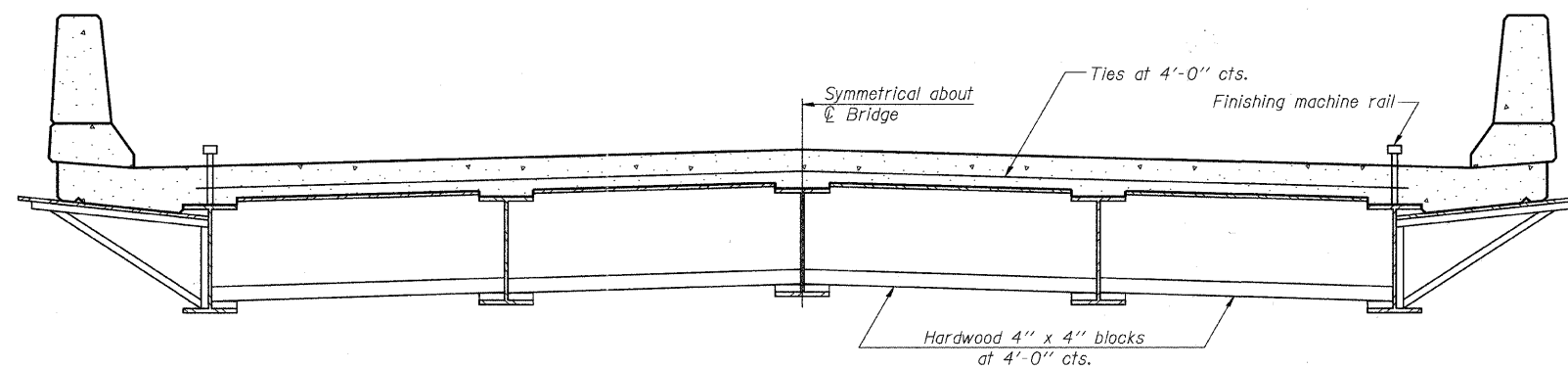
SHEET NO. 25 26 SHEETS	RTE. NO. TR 851	SECTION 07-10117-00-BR	COUNTY WILL	TOTAL SHEETS 36	SHEET NO. 33
	S.N. 099-3290		CONTRACT NO. 63642		
	FED. ROAD DIST. NO. 7 ILLINOIS		FED. AID PROJECT BRS-		

When cantilever forming brackets are used, the work shall be done according to Article 503.06(b) of the Standard Specifications, except as modified below and in the details shown on this sheet.

The finishing machine rails shall be placed on the top flange of the exterior beams.

The beams or girders, supporting cantilever forming brackets, shall be tied together at 4 foot intervals.

For Standard construction, or Stage Construction the Hardwood bracing materials shall be placed as shown between webs of beams in each bay.



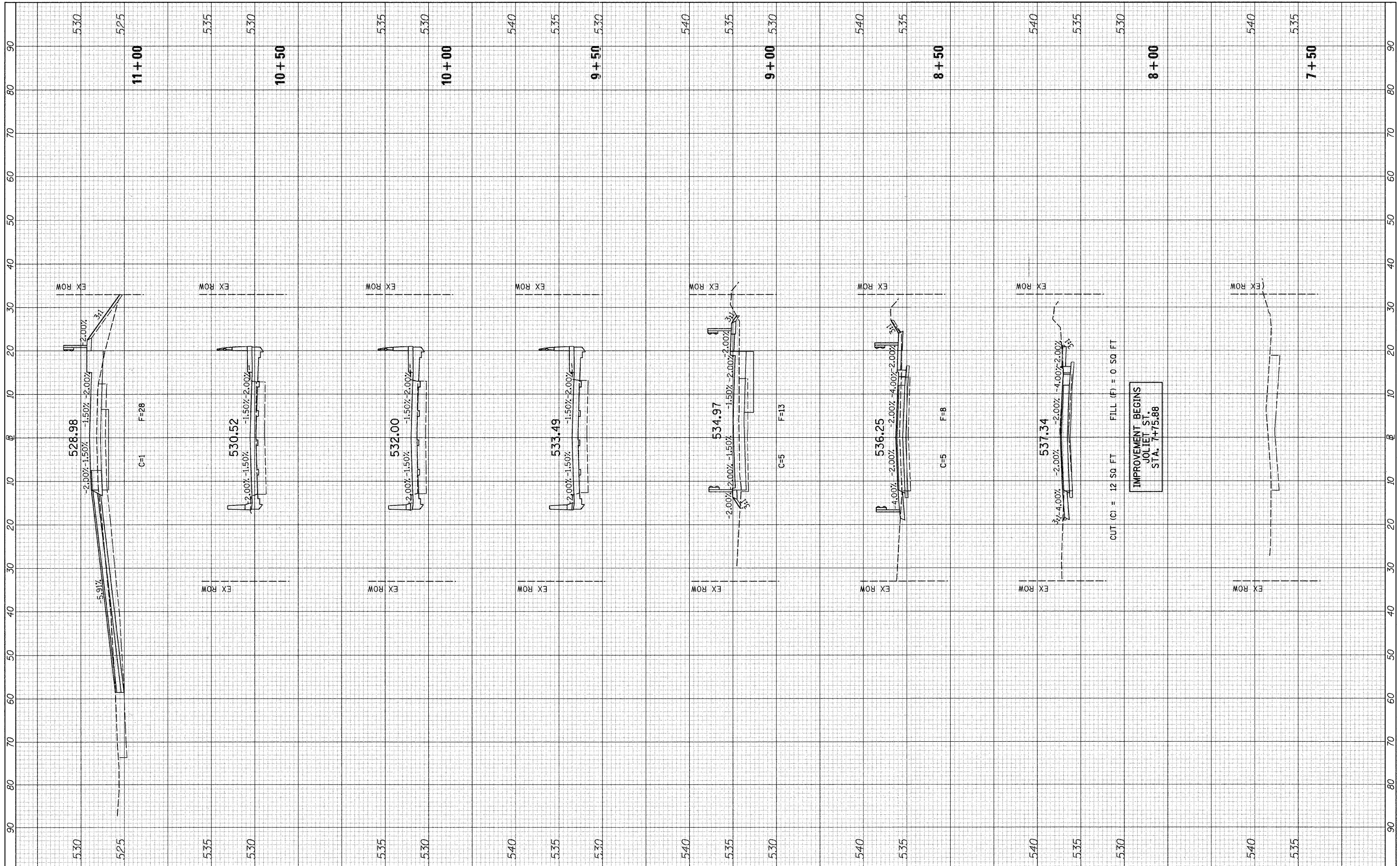
FORM BRACES FOR
STANDARD CONSTRUCTION

CANTILEVER FORMING BRACKETS
FOR SUPERSTRUCTURES WITH
W27 BEAMS AND SMALLER
JOLIET STREET (TR 85) OVER HICKORY CREEK
SECTION 07-10117-00-BR
WILL COUNTY
STATION 9+97.55

SHEET NO.	RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
26 SHEETS	TR 851	07-10117-00-BR	WILL	36	34
S.N. 099-3290			CONTRACT NO. 63642		
FED. ROAD DIST. NO. 7 ILLINOIS			FED. AID PROJECT BRS-		

FINAL SURVEY NO.	DATE
SURVEYED	BY
PLOTTED	
NOTE BOOK	
AREAS CHECKED	

ORIGINAL SURVEY NO.	DATE
SURVEYED	BY
PLOTTED	
NOTE BOOK	
AREAS CHECKED	



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DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

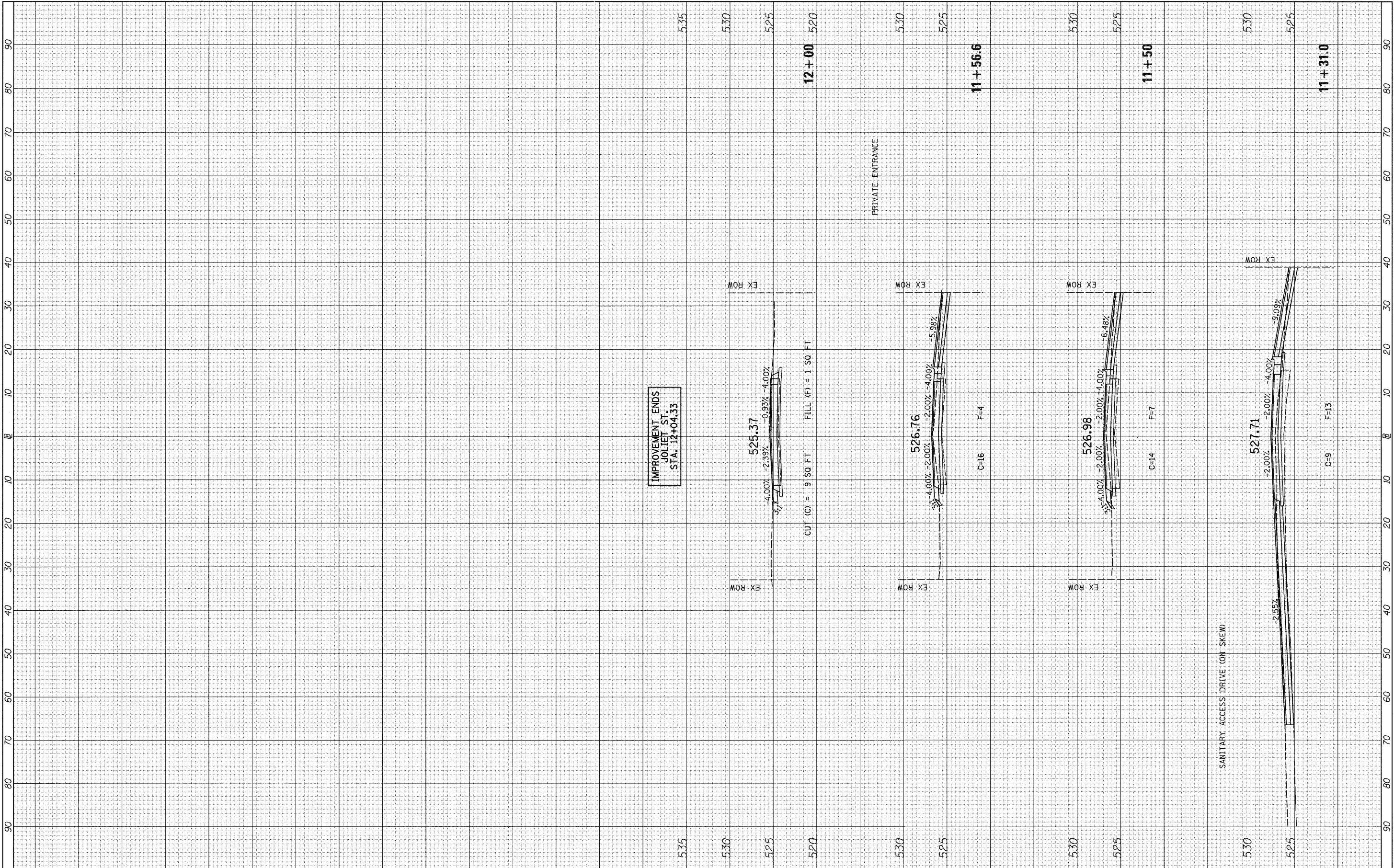
JOLIET ST. CROSS SECTIONS

SCALE: H=10 V=5 SHEET NO. 1 OF 2 SHEETS STA. 7+50 TO STA. 11+00

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	01-10117-00-BR	WILL	36	35
CONTRACT NO. 63642			ILLINOIS FED. AID PROJECT	

FINAL SURVEY NO.	SURVEYED	DATE
NOTE BOOK NO.	PLOTTED	
	TEMPLATE	
	AREAS CHECKED	

ORIGINAL SURVEY NO.	SURVEYED	DATE
	PLOTTED	
	TEMPLATE	
	AREAS CHECKED	



IMPROVEMENT ENDS
JOLIET ST.
STA. 12+04.33

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DATE -
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REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

JOLIET ST. CROSS SECTIONS
SCALE: H=10 V=5
SHEET NO. 2 OF 2 SHEETS
STA. 11+32.1 TO STA. 12+00

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	01-10117-00-BR	WILL	36	36
CONTRACT NO. 63642			ILLINOIS FED. AID PROJECT	