

SUMMARY OF QUANTITIES

CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	NON-GCPF ELIGIBLE	GCPF ELIGIBLE			TUNNEL
					SN 084-9949	SN 084-9950	SN 084-8012	
				0004	0008	0008	0008	0050
# 20100500	TREE REMOVAL, ACRES	ACRE	3.25	1	0.75	1.50		
			202,080			92,420		
20200100	EARTH EXCAVATION	CU YD	201,400	31,015	78,645	91,740	1	
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	8,630	410		8,220		
20800150	TRENCH BACKFILL	CU YD	3,381	511	302	2,568		
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SO YD	5,730			5,730		
21101505	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	8,295	3,608	2,317	2,370		
# 25000750	MOWING	ACRE	12.75	5.25	3.00	4.50		
# 25100630	EROSION CONTROL BLANKET	SO YD	36,917	9,230	18,594	9,093		
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	1,010	249	398	363		
28000305	TEMPORARY DITCH CHECKS	FOOT	140	90	20	30		
28000400	PERIMETER EROSION BARRIER	FOOT	1,201	1,201				
28000500	INLET AND PIPE PROTECTION	EACH	111	67	12	32		
28100125	STONE RIPRAP, CLASS B3	SO YD	482	273	100	109		
28100127	STONE RIPRAP, CLASS B4	SO YD	178	82	96			
28100129	STONE RIPRAP, CLASS B5	SO YD	237	237				
# 30200650	PROCESSING MODIFIED SOIL 12"	SO YD	22,479	22,393		86		
# 31000600	PROCESSING LIME STABILIZED SOIL MIXTURE 12"	SO YD	1,200			1200		
31101100	SUBBASE GRANULAR MATERIAL, TYPE B	CU YD	120	58	62			
31101810	SUBBASE GRANULAR MATERIAL, TYPE B 12"	SO YD	36,042	7,946	12,577	15,519		
35100700	AGGREGATE BASE COURSE, TYPE A 8"	SO YD	20,732	11,561	4,498	4,673		
40200500	AGGREGATE SURFACE COURSE, TYPE A 6"	SO YD	1,361	462	252	647		
40201000	AGGREGATE FOR TEMPORARY ACCESS	TON	6,640	4,832	1,808			
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	19,212	10,727	8,200	285		
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	36,947	19,266	8,454	9,227		
40600370	LONGITUDINAL JOINT SEALANT	FOOT	41,884	23,527	9,291	9,066		
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SO YD	1,790	1,514	80	196		
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	1,459	414	404	641		

SPECIALTY ITEM



FILE NAME = FGc-GCOMBINESUM01.dgn	USER NAME = johns00944	DESIGNED - JDS	REVISED - 11/14/2024
		DRAWN - JDS	REVISED -
		CHECKED - JWM	REVISED -
		DATE - 4/12/2021	REVISED -

STATE OF ILLINOIS
SANGAMON COUNTY HIGHWAY DEPARTMENT

SUMMARY OF QUANTITIES - 1

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		SANGAMON	368	6
96S2002F		CONTRACT NO. 93671		
FED. ROAD DIST. NO. 6 ILLINOIS FED. AID PROJECT 6 • 07-00164-04-FP, 07-00090-08-FP				

SUMMARY OF QUANTITIES

CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	NON-GCPF ELIGIBLE	GCPF ELIGIBLE			
					SN 084-9949	SN 084-9950	SN 084-8012	TUNNEL
				0004	0008	0008	0008	0050
51200957	FURNISHING METAL SHELL PILES 12" X 0.250"	FOOT	1,335		1,335			
51202305	DRIVING PILES	FOOT	1,335		1,335			
51203200	TEST PILE METAL SHELLS	EACH	2		2			
51500100	NAME PLATES	EACH	3		1	1	1	
51603000	DRILLED SHAFT IN SOIL	CU YD	2,468			2,468		
51604000	DRILLED SHAFT IN ROCK	CU YD	146			146		
52000110	PREFORMED JOINT STRIP SEAL	FOOT	90		90			
52100540	ANCHOR BOLTS, 1 1/2"	EACH	48		48			
52200010	TEMPORARY SHEET PILING	SO FT	1,712		691	1,021		
52200265	SECANT LAGGING	CU FT	2,717			2,717		
52200500	MECHANICALLY STABILIZED EARTH RETAINING WALL	SO FT	31,979		31,979			
52200900	CONCRETE STRUCTURES (RETAINING WALL)	CU YD	584			584		
54003000	CONCRETE BOX CULVERTS	CU YD	242.4					242.4
54205071	PIPE CULVERTS, SPECIAL 36"	FOOT	21			21		
54210572	PIPE ELBOW, 96"	EACH	1	1				
54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	EACH	12	7	5			
54213663	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	EACH	5	3		2		
54213669	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	EACH	2	2				
54213675	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 30"	EACH	3	1		2		
54213681	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 36"	EACH	4	3		1		
54213693	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 48"	EACH	2	2				
54213711	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 66"	EACH	2	2				
54214521	PRECAST REINFORCED CONCRETE FLARED END SECTIONS, EQUIVALENT ROUND-SIZE 36"	EACH	2		2			
54215496	CAST-IN-PLACE REINFORCED CONCRETE END SECTION 96"	EACH	2	2				
5421D018	PIPE CULVERTS, CLASS D, TYPE 1 18" (TEMPORARY)	FOOT	94			94		1
54260315	TRAVERSABLE PIPE GRATE FOR CONCRETE END SECTION	FOOT	77			77		
54261442	CONCRETE END SECTION, STANDARD 542001, 42", 1±4	EACH	2			2		

SPECIALTY ITEM



FILE NAME = FGc-6COMBINESUM03.dgn	USER NAME = johns00944	DESIGNED - JDS	REVISED - 11/14/2024
		DRAWN - JDS	REVISED -
		CHECKED - JWM	REVISED -
		DATE - 4/12/2021	REVISED -

**STATE OF ILLINOIS
SANGAMON COUNTY HIGHWAY DEPARTMENT**

SUMMARY OF QUANTITIES - 3

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		SANGAMON	368	8
96S2002F		CONTRACT NO. 93671		

FED. ROAD DIST. NO. 6 ILLINOIS FED. AID PROJECT 6
• 07-00164-04-FP, 07-00090-08-FP

SUMMARY OF QUANTITIES

CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	NON-GCPF ELIGIBLE	GCPF ELIGIBLE			
					SN 084-9949	SN 084-9950	SN 084-8012	TUNNEL
				0004	0008	0008	0008	0050
# 89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1	1				
# 89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	8	8				
LR403200	BITUMINOUS MATERIALS (PRIME COAT)	TON	111	76.0	23.0	12.0		
LR403400	BITUMINOUS MATERIALS (COVER AND SEAL COATS)	TON	94	82.5		11.5		
LR403500	COVER COAT AGGREGATE	TON	132	104		28		
LR403600	SEAL COAT AGGREGATE	TON	172	157		15		
X0301430	PRECAST CONCRETE PARKING BLOCK	EACH	16	16				
X0320051	CROSSHOLE SONIC LOGGING ACCESS DUCTS	FOOT	1,253			1,253		
X0320052	CROSSHOLE SONIC LOGGING TESTING	EACH	23			23		
X0322135	BOLLARDS, QUICK RELEASE	EACH	1	1				
X0322508	PEDESTRIAN TRUSS SUPERSTRUCTURE	SQ FT	973				973	
# X0325346	RAILROAD TRACK	TRK FT	2,138			2,138		
X0326911	TRANSVERSE DRAINS COMPLETE	EACH	10		4	6		
X0327301	RELOCATE EXISTING MAILBOX	EACH	23	12	8	3		
X0350810	BOLLARD REMOVAL	EACH	2		2			
X0900020	THERMAL INTEGRITY PROFILE TESTING	EACH	23			23		
X0900044	THERMAL INTEGRITY PROFILE DATA COLLECTION	FOOT	1,253			1,253		
# X2200014	GATE, TUBULAR 16' SINGLE SWING (SPECIAL)	EACH	1		1			
# X2300013	BICYCLE RAILING (GROUND MOUNTED)	FOOT	80				80	
# X2501000	SEEDING, CLASS 2 (SPECIAL)	ACRE	19.00 +7.75	13.00 +1.75	3.00	3.00		
# X2501100	SEEDING, CLASS 3 (SPECIAL)	ACRE	5.25	2.25	1.50	1.50		
# X2501810	SEEDING, CLASS 5 (SPECIAL)	ACRE	1.25	1.25				
# X2501845	SEEDING, CLASS 7 (SPECIAL)	ACRE	17.50	8.50	4.50	4.50		
X5020100	AGGREGATE COLUMN GROUND IMPROVEMENT	L SUM	1		1			
# X5091730	BRIDGE FENCE RAILING (SPECIAL)	FOOT	320		320			
X5211115	HIGH LOAD MULTI-ROTATIONAL BEARINGS, POT, FIXED-300K	EACH	1		1			
X5211215	HIGH LOAD MULTI-ROTATIONAL BEARINGS, POT, NON-GUIDED EXPANSION-300K	EACH	2		2			

SPECIALTY ITEM



FILE NAME = FGa-6COMBINESUM09.dgn	USER NAME = johns00944	DESIGNED - JDS	REVISED - 11/14/2024
		DRAWN - JDS	REVISED -
	PLOT SCALE = 100.000' / 1in.	CHECKED - JWM	REVISED -
	PLOT DATE = 7/29/2024	DATE - 4/12/2021	REVISED -

**STATE OF ILLINOIS
SANGAMON COUNTY HIGHWAY DEPARTMENT**

SUMMARY OF QUANTITIES - 9

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		SANGAMON	368	14
96S2002F		CONTRACT NO. 93671		
FED. ROAD DIST. NO. 6 ILLINOIS FED. AID PROJECT 6 • 07-00164-04-FP, 07-00090-08-FP				

SUMMARY OF QUANTITIES

CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	NON-GCPF ELIGIBLE	GCPF ELIGIBLE			
					SN 084-9949	SN 084-9950	SN 084-8012	TUNNEL
				0004	0008	0008	0008	0050
X5211315	HIGH LOAD MULTI-ROTATIONAL BEARINGS, POT, GUIDED EXPANSION-300K	EACH	9		9			
X5220102	RETAINING WALL REMOVAL	FOOT	50			50		
X5800110	MEMBRANE WATERPROOFING (SPECIAL)	SQ FT	1,879			1879		
X6010202	TRENCH DRAIN	EACH	1	1				
X6062700	CONCRETE GUTTER, TYPE A (SPECIAL)	FOOT	305		305			
X6100120	TYPE E INLET BOX, STANDARD 610001 (SPECIAL)	EACH	4		4			
X6640104	FENCE REMOVAL	FOOT	3,807	3,582	225			
# X6640560	CHAIN LINK FENCE, 6' (SPECIAL)	FOOT	3,010		262	2748		
# X6640585	CHAIN LINK FENCE, ATTACHED TO STRUCTURE, SPECIAL	FOOT	859			859		
X6640638	TEMPORARY CONSTRUCTION FENCE	FOOT	4,917	4,917				
X7010016	BARRICADES, TYPE III	EACH	28	20	8			
X7010238	CHANGEABLE MESSAGE SIGN, SPECIAL	CAL MO	27		27			
X7240300	SIGN REMOVAL	EACH	25	16		9		
X7240502	RELOCATE SIGN, SPECIAL	EACH	1		1			
# X8130350	JUNCTION BOX EMBEDDED IN STRUCTURE, SPECIAL	EACH	8					8
# X8570226	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1		1			
# X8760200	ACCESSIBLE PEDESTRIAN SIGNALS	EACH	4	4				
# X8891001	VIDEO VEHICLE DETECTION SYSTEM	EACH	1	1				
XX008948	FURNISHING AND ERECTING STRUCTURAL STEEL BRIDGE NO. 1	L SUM	1		1			
XX008949	FURNISHING AND ERECTING STRUCTURAL STEEL BRIDGE NO. 2	L SUM	1			1		
XX009289	TRAFFIC CONTROL AND PROTECTION, STANDARD BLR 21	L SUM	1	1				
# Z0002400	BALLAST	TON	1,504 970			1,504 970		1
Z0004002	BOLLARDS	EACH	2	2				
# Z0007124	STEEL RAILING (SPECIAL)	FOOT	215			215		
Z0013300	CONCRETE REMOVAL (SPECIAL)	SQ YD	217	217				
Z0013798	CONSTRUCTION LAYOUT	L SUM	1		0.25	0.25	0.25	0.25
Z0016702	DETOUR SIGNING	L SUM	1	1				

SPECIALTY ITEM



FILE NAME = FGc-6COMBINESUM10.dgn	USER NAME = johns00944	DESIGNED - JDS	REVISED - 11/14/2024
	PLOT SCALE = 100,000' / 1in.	DRAWN - JDS	REVISED -
	PLOT DATE = 7/29/2024	CHECKED - JWM	REVISED -
		DATE - 4/12/2021	REVISED -

**STATE OF ILLINOIS
SANGAMON COUNTY HIGHWAY DEPARTMENT**

SUMMARY OF QUANTITIES - 10

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		SANGAMON	368	15
96S2002F		CONTRACT NO. 93671		
FED. ROAD DIST. NO. 6 ILLINOIS FED. AID PROJECT 6 • 07-00164-04-FP, 07-00090-08-FP				

PHASE 2 - CURB AND GUTTER / MEDIAN SCHEDULE							
LOCATION			60603800	60604400	60605000	60618300	60619600
			CONCRETE CURB AND GUTTER, TYPE B-6.12	CONCRETE CURB AND GUTTER, TYPE B-6.18	CONCRETE CURB AND GUTTER, TYPE B-6.24	CONCRETE MEDIAN SURFACE, 4 INCH	CONCRETE MEDIAN, TYPE SB-6.12
BEGIN STATION	END STATION	OFFSET	FOOT	FOOT	FOOT	SQ FT	SQ FT
WOODSIDE ROAD							
99+58.48	100+91.70	RT		137.0			
99+69.00	99+75.00	RT				11.6	
99+75.00	103+00.00	7.0 RT					650
100+09.13	116+10.00	LT		1597.5			
100+91.70	114+64.55	RT		1373.0			
103+00.00	104+56.03	CL					1247.7
104+56.03	113+21.50	CL					12116.6
113+21.50	113+28.50	CL				77.0	
115+39.43	116+10.00	RT		70.5			
116+10.00	139+65.69	LT		2356.0			
116+10.00	119+52.26	RT		342.5			
120+33.51	125+26.89	RT		493.5			
125+96.29	128+81.55	RT		285.5			
128+81.55	129+10.21	RT		45.0			
129+31.30	129+59.80	RT		45.0			
129+59.80	139+65.17	RT		1005.0			
139+65.17	139+93.45	RT		45.0			
139+65.69	139+94.42	LT		45.0			
IRON BRIDGE/WOODSIDE INTERSECTION							
NORTH SIDE				156.5	111.6		
712+76.00	712+85.00	RT				223.2	
712+85.00	713+96.60	RT	111.5		207.5	50.2	
IRONSIDE DRIVE (NORTH)							
15+00.00	15+39.29	LT		50.0			
15+00.00	15+39.29	RT		58.5			
CAROLE ROAD							
1+59.39	1+88.50	RT		45.5			
1+60.04	1+88.47	LT		45.0			
GRISSOM DRIVE							
9+39.98	9+63.28	LT		37.0			
9+40.18	9+63.89	RT		37.0			
TOTAL			111.5	8270.0	319.1	361.99	14014.28
ROUNDED TOTAL			111.5	8270.0	319.0	362	14014

PHASE 2 - FIELD TILE REPLACEMENT SCHEDULE							
LOCATION		61100500	61100605	61101007	61101009	61101011	61101013
		EXPLORATION TRENCH 52" DEPTH	MISCELLANEOUS CONCRETE	STORM SEWERS PROTECTED, CLASS A 6"	STORM SEWERS PROTECTED, CLASS A 8"	STORM SEWERS PROTECTED, CLASS A 10"	STORM SEWERS PROTECTED, CLASS A 12"
BEGIN STATION	END STATION	FOOT	CU YD	FOOT	FOOT	FOOT	FOOT
WOODSIDE ROAD							
100+10.00	115+20.00	1510.0	1.5	75.0	75.0	75.0	75.0
134+70.00	139+60.00	490.0	0.5	25.0	25.0	25.0	25.0
TOTAL		2000	2	100	100	100	100
ROUNDED TOTAL		2000	2	100	100	100	100

PHASE 2 - EARTHWORK SCHEDULE									
LOCATION		A	B	C	D	E	F	G	H
		20200100		21101505				20069700	
		EARTH EXCAVATION	EXCAVATION USED AS EMBANKMENT (20% SHRINKAGE)	TOPSOIL EXCAVATION AND PLACEMENT	TOPSOIL PLACEMENT	TOPSOIL EXCAVATION USED AS EMBANKMENT (20% SHRINKAGE) = (C-D)*0.80	EMBANKMENT	SUBBALLAST	FURNISHED EXCAVATION = (F-E-B) INFORMATION ONLY
		CU YD	CU YD	CU YD	SQ YD	CU YD	CU YD	CU YD	CU YD
BEGIN STATION		END STATION							
WOODSIDE ROAD									
100+00.00	116+00.00	79,725	63,780	0	263	0	4,756		-59,024
116+00.00	119+93.50	277	222	0	248	0	4,799		4,578
119+93.50	125+62.40	1,760	1,408	0	120	0	1,678		270
125+62.40	129+20.80	357	286	0	87	0	1,137		852
129+20.80	139+50.00	840	672	0	138	0	2,035		1,363
INTERSECTION		91	73	0	32	0	99		26
139+64.23	141+50.00	187	149	0	31	0	291		142
WOODSIDE AND IRON BRIDGE INTERSECTION									
INTERSECTION		663.2	530.56	0	794	0	1705.9		1175.34
99+00.00	100+00.00	78	63	0		0	348		285
IRONSIDE DRIVE (NORTH)									
5+00.00	15+00.00	727	581	0	59	0	456		-126
INTERURBAN TRAIL CONNECTION									
5+30.00	6+18.11	38.1	30	0	0	0	0		-30
MILLER ENTRANCE									
10+50.00	15+00.00	627	501	0	26	0	75		-426
CAROLE ROAD									
1+30.00	1+80.00	43	35	0	2	0	2		-32
GRISSOM DRIVE									
8+62.00	9+40.00	6	5	0	12	0	64		59
UPRR SHOOFLY									
386+44.12	415+03.19	3,161	2,529	2368	0	446	2,479	2420	-496
UPRR MAIN									
486+44.12	515+00.67	7,521	6017	0	0	0	1771	460	-4246
BORROW PIT									
0+00.00	7+00.00	0	0	0	0	1894	50079		48185
TOTAL		96,100	76,881	2368	1811	2340	71,775	2880	-7,443
ROUNDED TOTAL		96,100	76,881	2370	1811	2340	71,775	2880	-7,443

NOTE: EXCESS EXCAVATION SHALL BE PLACED IN THE BORROW PIT.

PHASE 2 - RIGHT-OF-WAY MARKER SCHEDULE		
LOCATION	STATION	OFFSET
WOODSIDE ROAD		
	124+57.04	70.0' LT
	124+68.79	70.0' LT
	124+68.79	60.0' LT
	127+18.68	60.0' LT
	129+27.15	60.0' LT
	129+76.84	60.0' LT
TOTAL		6

SEE PHASE 2 COMMITMENTS ON SHEET 5

REV. 11/14/24

PHASE 2 - PAVING SCHEDULE

LOCATION			30200650	31101100	31101810	35100700	40200500	40201000	LR403200	LR403400	LR403500	LR403600	40600275	40600290	40604050	40603080	40701901	48101498	48203029	42300200	42300400	40600370	21001000
LOCATION			PROCESSING MODIFIED SOIL 12"	SUBBASE GRANULAR MATERIAL, TYPE B	SUBBASE GRANULAR MATERIAL, TYPE B 12"	AGGREGATE BASE COURSE, TYPE A 8"	AGGREGATE SURFACE COURSE, TYPE A 6"	AGGREGATE FOR TEMPORARY ACCESS	BITUMINOUS MATERIALS (PRIME COAT)	BITUMINOUS MATERIALS (COVER AND SEAL COATS)	COVER COAT AGGREGATE	SEAL COAT AGGREGATE	BITUMINOUS MATERIALS (PRIME COAT)	BITUMINOUS MATERIALS (TACK COAT)	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N50	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 11"	AGGREGATE SHOULDERS, TYPE B 4"	HOT-MIX ASPHALT SHOULDERS 8"	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6"	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8"	LONGITUDINAL JOINT SEALANT	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
BEGIN STATION	END STATION	OFFSET	SQ YD	CU YD	SQ YD	SQ YD	SQ YD	TON	TON	TON	TON	TON	TON	TON	TON	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	FOOT	SQ YD
BIKE PATH CONNECTOR						637																	
1+00.00	6+11.00	LT/RT											1284		64			117					
6+11.00	6+21.00	LT/RT											36		2			117					
INTERURBAN TRAIL						170																	
26+28.22	26+45.05	LT													2			4					
26+28.22	26+45.05	RT																4					
27+47.23	28+73.67	LT													16			29					
27+47.23	28+73.67	RT																27					
WOODSIDE/IRON BRIDGE INTERSECTION																							
712+34.95	713+96.62	LT/RT		1.92	1718									1035			1534					625	
UPRR UNDERLAYMENT																							
499+32.00	499+72.00	LT/RT						187.9															
500+28.00	500+68.00	LT/RT						53.4	1.1	0.7	1.4	1.4											
TEMPORARY ACCESS																							
TEMPORARY CONNECTION - IRONSIDE DR (NORTH)								228.9															
TEMPORARY CONNECTION - MILLER ACCESS RD								1181.6															
STAGE 4 WORK ZONE AREA - 4% TEMP AGG								247.6															
STAGE 4 WORK ZONE AREA - SHOULDERS								2002.2															
STAGE 5 WORK ZONE AREA - 2% TEMP AGG								930.2															
STAGE 5 WORK ZONE AREA - SHOULDERS																							
TEMPORARY BIKE PATH																							
TOTAL			22479	36.8	17174	6140	938	4832	11.9	11.5	28	15	2748	23185	570	752	34229	297	415	182	142	24596	5730
ROUNDED TOTAL			22479	37	17174	6140	938	4832	12.0	11.5	28	15	2748	23185	570.4	752	34229	297	415	182	142	24596	5730

PHASE 2 - SEEDING SCHEDULE

LOCATION			X2501000	X2501100	X02501810	X2501845	25000750
LOCATION			SEEDING CLASS 2 (SPECIAL)	SEEDING CLASS 3 (SPECIAL)	SEEDING CLASS 5 (SPECIAL)	SEEDING CLASS 7 (SPECIAL)	MOWING
BEGIN STATION	END STATION	OFFSET	ACRE	ACRE	ACRE	ACRE	ACRE
WOODSIDE ROAD							
99+00.00	105+00.00	RT	0.10	0.21		0.31	0.10
99+00.00	102+11.00	LT	0.06	0.02		0.08	0.06
107+15.00	115+00.00	LT	0.08	0.63		0.71	0.08
106+75.00	115+00.00	RT	0.25	0.56		0.81	0.25
115+00.00	142+15.00	LT	1.36			1.36	1.36
115+00.00	142+15.00	RT	1.71			1.71	1.71
BIKE PATH CONNECTOR							
1+33.00	5+10.00	RT		0.59		0.59	
IRONSIDE DRIVE (NORTH)							
05+50.00	14+86.00	RT	0.38			0.38	0.38
06+63.00	14+64.00	LT	0.34			0.34	0.34
MILLER ACCESS ROAD							
10+36.00	15+31.00	LT	0.14			0.14	0.14
UPRR SHOOFLY							
386+44.12	415+03.19	LT	1.09			1.09	1.09
386+44.12	415+03.19	RT	0.21			0.21	0.21
UPRR MAIN							
486+44.12	515+00.64	LT	2.59				
BORROW PIT			SEE BORROW PIT GRADING PLAN		1.25		
TOTAL			12.0	2.0	1.3	7.7	5.7
ROUNDED TOTAL			12.0	2.00	1.25	7.75	5.75

PHASE 2 - GUARDRAIL & TERMINAL SCHEDULE

LOCATION			63000001	63100167	78200006
LOCATION			STEEL PLATE BEAM GUARD RAIL, TYPE A, 6 FOOT POST	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	GUARDRAIL REFLECTORS, TYPE B
BEGIN STATION	END STATION	OFFSET	FOOT	EACH	EACH
IRONSIDE DRIVE (NORTH)					
6+32.30	6+82.30	12.75 LT		1	
6+32.30	11+83.35	12.75 LT			7
6+82.30	11+33.35	12.75 LT	450.0		
11+33.35	11+83.35	12.75 LT		1	
TOTAL			450	2	7
ROUNDED TOTAL			450	2	7

PHASE 2 - FENCING SCHEDULE

LOCATION				X6640560	X6640638
LOCATION				CHAIN LINK FENCE, 6' (SPECIAL)	TEMPORARY CONSTRUCTION FENCE
BEGIN STATION	OFFSET	END STATION	OFFSET	FOOT	FOOT
INTERURBAN TRAIL					
INTERURBAN TRAIL N OF WOODSIDE					550.00
WOODSIDE ROAD					
99+89.00	105+40.00	RT/LT			660.00
IRON BRIDGE ROAD					
702+60.00	711+41.00	RT			890.00
INTERURBAN TRAIL					
15+00.00	17+30.00	RT			250.00
ADDITIONAL LENGTH AS NEEDED THROUGH PROJECT					150.00
UPRR (TEMPORARY)					
505+50.00	LT	510+20.70	LT	472	
UPRR (PERMANENT)					
486+73.80	28.1' LT	499+26.60	40.0' LT	1255	
500+16.80	83.2' LT	510+20.70	48.6' LT	1021	
TOTAL				2748.1	2500.0
ROUNDED TOTAL				2748	2500

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PHASE 2 - PIPE CULVERT SCHEDULE

ROADWAY	STATION (APPROX)	UPSTREAM INVERT ELEVATION (FT)	DOWNSTREAM INVERT ELEVATION (FT)	542A0235 PIPE CULVERT, CLASS A, TYPE 1 RCCP 30"	542A0241 PIPE CULVERT, CLASS A, TYPE 1 RCCP 36"	542A0253 PIPE CULVERT, CLASS A, TYPE 1 RCCP 48"	542A0271 PIPE CULVERT, CLASS A, TYPE 1 RCCP 66"	542A0301 PIPE CULVERT, CLASS A, TYPE 1 RCCP 96"	542A1093 PIPE CULVERT, CLASS A, TYPE 2 RCCP 48"	542C0217 PIPE CULVERT, CLASS C, TYPE 1 12"	542C0220 PIPE CULVERT, CLASS C, TYPE 1 15"	542C0223 PIPE CULVERT, CLASS C, TYPE 1 18"	5421D018 PIPE CULVERT, CLASS D, TYPE 1 18" (TEMPORARY)	54205071 PIPE CULVERTS, SPECIAL 36"	54210572 PIPE ELBOW 96"	54213675 PRECAST REINFORCED CONCRETE FLARED END SECTION, 30"	54213681 PRECAST REINFORCED CONCRETE FLARED END SECTION, 36"	54213693 PRECAST REINFORCED CONCRETE FLARED END SECTION, 48"	54213711 PRECAST REINFORCED CONCRETE FLARED END SECTION, 66"	54262712 STEEL FLARED END SECTIONS, 12"	54262715 STEEL FLARED END SECTIONS, 15"	54262718 STEEL FLARED END SECTIONS, 18"	54215496 CAST-IN-PLACE REINFORCED CONCRETE END SECTIONS, 96"	20800150 TRENCH BACKFILL
				(FT)	(FT)	(FT)	(FT)	(FT)	(FT)	(FT)	(FT)	(FT)	(FT)	(FT)	(EA)	(EA)	(EA)	(EA)	(EA)	(EA)	(EA)	(EA)	(EA)	(CY)
WOODSIDE	100+12.00	590.45	590.00	146												2								38.0
WOODSIDE - ENT LT	100+56.5	590.60	590.52									30										2		4.0
IRONSIDE DRIVE (N)	5+50.0	590.51	590.50								5													0.0
IRONSIDE DRIVE (N)	7+29.0	590.90	590.82								25													3.3
IRONSIDE DRIVE (N)	8+40.5	590.57	590.49								25													3.3
IRONSIDE DRIVE (N)	9+50.0	590.24	590.16								25													3.3
IRONSIDE DRIVE (N)	11+45.7	589.67	589.57								30													3.3
IRONSIDE DRIVE (N)	12+50.0	589.00	588.45								25													0.0
WOODSIDE	117+30.0	566.00	564.80					39							1								2	1.7
WOODSIDE - ENT LT	119+14.5	573.65	573.50																					4.1
WOODSIDE	124+55.0	567.00	564.00				39																	39.4
WOODSIDE	127+05.0	574.50	567.94		24													2						42.1
WOODSIDE - ENT RT	140+86.0	593.49	593.37									18												0.0
WOODSIDE - ENT LT	140+86.0	593.95	593.77																					0.0
UPRR SHOOFLY	396+12.1	587.72	587.66		6												1				2			
UPRR SHOOFLY	403+00.0	592.13	591.95																					
UPRR SHOOFLY	387+41.2	591.65	591.57																					
UPRR SHOOFLY	396+12.1	587.66	587.61																					
UPRR SHOOFLY	396+07	587.72	587.61																					
TOTALS				146	6	24	39	39	48	18	173	48	94	21	1	2	1	2	2	2	13	6	2	142.0

PHASE 2 - STORM SEWER SCHEDULE

WOODSIDE ROAD										20800150	COMMENTS
FROM #	INVERT ELEV	TO #	INVERT ELEV	550A0050	550A0090	550A0120	550A0730	550A0750	TRENCH BACKFILL (CY)		
STORM SEWERS, CLASS A (FT)										TRENCH BACKFILL (CY)	
TYPE 1					TYPE 3						
	12" dia.	18" dia.	24" dia.	30" dia.	36" dia.						
1	590.22	2	589.82	38						2.0	
3	590.22	2	589.82	32						1.7	
2	589.82	5	583.22	150						19.8	
4	583.82	5	583.22	38						2.0	
6	583.82	5	583.22	32						1.7	
5	583.22	8	574.45	200						31.0	
7	574.85	8	574.45	38						3.8	
9	574.85	8	574.45	32						3.2	
8	573.83	11	571.01		149					30.5	
10	571.41	11	571.01	52						5.2	
12	571.41	11	571.01	23						2.3	
11	569.83	16	569.45			103				28.7	
13	570.88	14	570.58	6							
15	570.88	14	570.58	6							
14	570.58	16	569.45	52						7.9	
17	570.68	18	570.58	6							
19	570.68	18	570.58	6							
18	570.58	16	569.45	23						3.5	
16	569.45	21	569.14					103		30.3	
20	571.30	21	570.90	38						3.8	
22	571.30	21	570.90	32						3.2	
21	569.14	24	568.69					150		139.7	
23	574.58	24	574.18	38						3.8	
25	574.58	24	574.18	32						3.2	
24	568.69	27	568.24					150		295.2	
26	579.25	27	578.85	38						3.8	
28	579.25	27	578.85	32						3.2	
27	568.24	30	567.80					148		431.4	
29	582.20	30	581.80	38						3.8	
31	582.20	30	581.80	32						3.2	
30	567.80	33	567.17					210		648.5	
32	582.57	33	582.17	38						2.0	
34	582.57	33	582.17	32						1.7	
33	567.17	36	566.75					138		470.4	
35	580.33	36	579.93	38						2.6	
37	580.33	36	579.93	32						2.2	
36	566.75	41	566.00					174		108.3	
38	576.30	39	575.50	72						3.7	
39	575.40	40	566.00	40						0.8	
42	574.00	43	573.20	72						3.7	
43	573.20	44	565.00	59						0.7	
45	573.19	49	573.15	5							
46	573.15	48	572.35	72						4.9	
47	573.19	50	573.13	20							
48	572.35	51	571.00	74						17.4	
49	573.09	50	572.40	75						3.9	

STORM SEWER SCHEDULE CONTINUED NEXT SHEET

PHASE 2 - PIPE UNDERDRAIN SCHEDULE

LOCATION			60108100	601008104	X0326911	CONNECTION NOTES
			PIPE UNDERDRAINS 4" (SPECIAL)	PIPE UNDERDRAINS, TYPE 1, 4"	TRANSVERSE DRAINS COMPLETE	
BEGIN STATION	END STATION	OFFSET	FOOT	FOOT	EACH	
EAST OF IRON BRIDGE ROAD INTERSECTION						
99+00.00	102+45.00	LT	2	345		S-4
99+33.98	102+45.00	RT	2	350		S-6
99+70.00	102+45.00	MEDIAN-RT	2	275		S-5
102+10.00	102+45.00	RT			1	
102+10.00	102+45.00	LT			1	
102+45.00	104+45.00	RT	2	200		S-9
102+45.00	104+45.00	MEDIAN-RT	2	200		S-8
102+45.00	104+45.00	LT	4	200		S-7
104+10.00	104+45.00	RT			1	
104+10.00	104+45.00	LT			1	
104+45.00	106+95.00	RT	3	250		S-17
104+45.00	106+95.00	LT	3	250		S-13
108+02.00	108+40.00	RT			1	
108+02.00	108+40.00	LT			1	
109+52.00	107+00.00	RT	2	252		S-18
109+52.00	107+00.00	MEDIAN-RT	5	252		S-16
109+52.00	107+00.00	MEDIAN-LT	16	252		S-16
109+52.00	107+00.00	LT	2	252		S-14
112+50.00	109+52.00	RT	2	298		S-25
112+50.00	109+20.00	MEDIAN-RT	2	298		S-24
112+50.00	109+20.00	MEDIAN-LT	11	298		S-24
112+50.00	109+20.00	LT	2	298		S-23
113+21.50	109+20.00	MEDIAN-RT	2	72		S-30
113+21.50	109+20.00	MEDIAN LT	11	72		S-30
113+50.00	112+50.00	RT	2	100		S-31
113+50.00	112+50.00	LT	2	100		S-29
113+50.00	114+60.00	RT	2	110		S-34
113+50.00	114+60.00	LT	2	110		S-32
114+85.00	114+60.00	RT	2	65		S-34
IRONSIDE DRIVE (N) TO GRISSOM DRIVE						
114+60.00	116+00.00	LT	2	140		S-35
115+04.00	116+00.00	RT	2	130		S-37
116+00.00	119+45.00	RT	2	345		S-42
116+00.00	119+45.00	LT	2	345		S-43
119+83.50	119+45.00	RT	2	55		S-43
120+03.50	120+65.00	RT	2	77		S-47
119+45.00	120+65.00	LT	2	120		S-45
122+00.00	124+30.00	LT		232		DITCH

PHASE 2 - PIPE UNDERDRAIN SCHEDULE

LOCATION			60108100	601008104	X0326911	CONNECTION NOTES
			PIPE UNDERDRAINS 4" (SPECIAL)	PIPE UNDERDRAINS, TYPE 1, 4"	TRANSVERSE DRAINS COMPLETE	
BEGIN STATION	END STATION	OFFSET	FOOT	FOOT	EACH	
122+90.00	120+70.00	RT	2	220		S-47
122+90.00	120+70.00	LT	2	220		S-45
125+51.70	122+90.00	RT	2	276		S-56
126+00.00	122+90.00	LT	2	310		S-55
GRISSOM DRIVE TO NORTH LAKE						
125+71.50	126+00.00	RT	2	43		S-68
129+10.71	126+00.00	RT	2	328		S-68
130+10.00	127+34.56	LT	2	275		S-72
127+34.56	126+00.00	LT	2	135		S-67
129+30.80	130+10.00	RT	2	96		S-77
134+35.00	130+10.00	RT	2	435		S-77
134+35.00	130+10.00	LT	2	435		S-76
137+40.00	134+35.00</					

UPRR DIVISION OF WORK

Quantity Summary Table - Work by Contractor

Phase	Task/ Item Description	Quantity	Unit	Material Source
P2S1	SWPPP	1	LS	Contractor
P2S1	Excavation for Shoofly	2,517	CY	Contractor
P2S1	Subballast - Furnish, Place, Compact	2,129	CY	Contractor
P2S1	Construct Shoofly, 136# CWR ISSH, Conc Ties	1,638	TF	Contractor
P2S1	Extend 36" SSP for Shoofly (21' SSP and 6' RCCP)	27	LF	Contractor
P2S1	Manhole for Shoofly	1	EA	Contractor
P2S1	18" CMP for Shoofly	88	LF	Contractor
1	18" RCCP for Shoofly - 18" CMP for Shoofly	6	LF	Contractor
P2S1	18" Reinf. Conc. End Section for Shoofly - 18" Steel Flared End Section for Shoofly	2	EA	Contractor
P2S1	Remove Existing Fencing	335	LF	Contractor
P2S1	Remove Chain Link Fence	1,008	LF	Contractor
P2S1	Install Chain Link Fence	178	LF	Contractor
P2S1	Install Temporary Chain Link Fence	472	LF	Contractor
P2S1	Construct Temporary Fence	2,492	LF	Contractor
P2S1	Construct Retaining Wall Drilled Shafts for Woodside	1	LS	Contractor
P2S1	Retaining Wall Removal	50	LF	
P2S2a	Close Woodside Road	1	LS	Contractor
P2S2a	Excavation for Shoofly (incl. Woodside Road removal)	320	CY	Contractor
P2S2a	Subballast - Furnish, Place, Compact	255	CY	Contractor
P2S2a	Construct Shoofly, 136# CWR ISSH, Conc Ties	200	TF	Contractor
P2S2a	Provide Conc Ties for Shift Main Track to Shoofly	51	EA	Contractor
P2S2a	Provide Conc Ties for Surface and Line Main	43	EA	Contractor
P2S2a	Provide Ballast for Shift Main Track to Shoofly	625	CY	Contractor
P2S2a	Provide Ballast for Surfacing existing vertical curves at shift locations	50	CY	Contractor
P2S2a	Pavement Removal (Woodside Road)	484	SY	Contractor
P2S2a	Remove Traffic Signal Equipment (Woodside Road)	1	LS	Contractor
P2S2a	Remove Highway Signage (Woodside Road)	1	LS	Contractor
P2S2b	Remove Main Track at Woodside Road MP 191.07	300	TF	Contractor
P2S2b	Remove Concrete Crossing MP 191.07	56	LF	Contractor
P2S2b	Construct Railroad Bridge MP 191.07	1	LS	Contractor
P2S3a	Complete Woodside Road Underpass	1	LS	Contractor
P2S3a	Construct New Main Track 136# CWR ISSH Conc. Ties across new Bridge MP 191.07	300	TF	Contractor
P2S3a	Asphalt Underlayment	46	TONS	Contractor
P2S3a	Transition Tie Zone	2	EA	Contractor
P2S3a	Provide Conc Ties for Surface and Line Main	77	EA	Contractor
P2S3a	Provide Ballast for Surface and Line Main Track	300	CY	Contractor
P2S3b	Remove Shoofly	1,838	TF	Contractor
P2S3b	Excavation for Main	4,306	CY	Contractor
P2S3b	Remove Temporary Fence	2,492	LF	Contractor
P2S3b	Remove Temporary Chain Link Fence	472	LF	Contractor
P2S3b	Install Chain Link Fence	2,276	LF	Contractor
P2S3b	Remove 36" SSP	21	LF	Contractor
P2S3b	36" Reinf. Conc. End Section	1	EA	Contractor
1	Remove 18" CMP for Shoofly	88	LF	Contractor
P2S3b	Remove 18" RCCP and End Sections for Shoofly CMP and Steel End Sections for Shoofly	6	LF	Contractor
P2S3b	Open Woodside Road	1	LS	Contractor

1 Refer to the Summary of Quantities and Schedules of Quantities for the correct quantities of all items shown on this sheet except for: Railroad Track, Railroad Track Removal, Ballast, and Railroad Ties.

Quantity Summary Table - Work by UPRR

Phase	Task/ Item Description	Quantity	Unit	Material Source
P2S2a	Shift Main Track to Shoofly (10% Tie Renewal)	1,022	TF	Contractor
P2S2a	Surface and Line Main (existing vertical curves)(10% Tie Renewal)	859	TF	Contractor
P2S2a	Remove grade crossing signals and appurtenances MP 191.07	1	LS	UPRR
P2S3a	Shift Shoofly Track to Main	1,022	TF	Contractor
P2S3a	Surface and Line Main within project limits	859	TF	Contractor
P2S3a	Surface and Line Main within project limits (10% Tie Renewal)	1,536	TF	Contractor

Contractor shall provide ballast for UPRR surface and lining, and ties for UPRR shift tie renewal. Prior to furnishing, Contractor shall coordinate with UPRR to confirm quantities needed, date needed, and location of delivery placement.

1 REV. 11/14/24

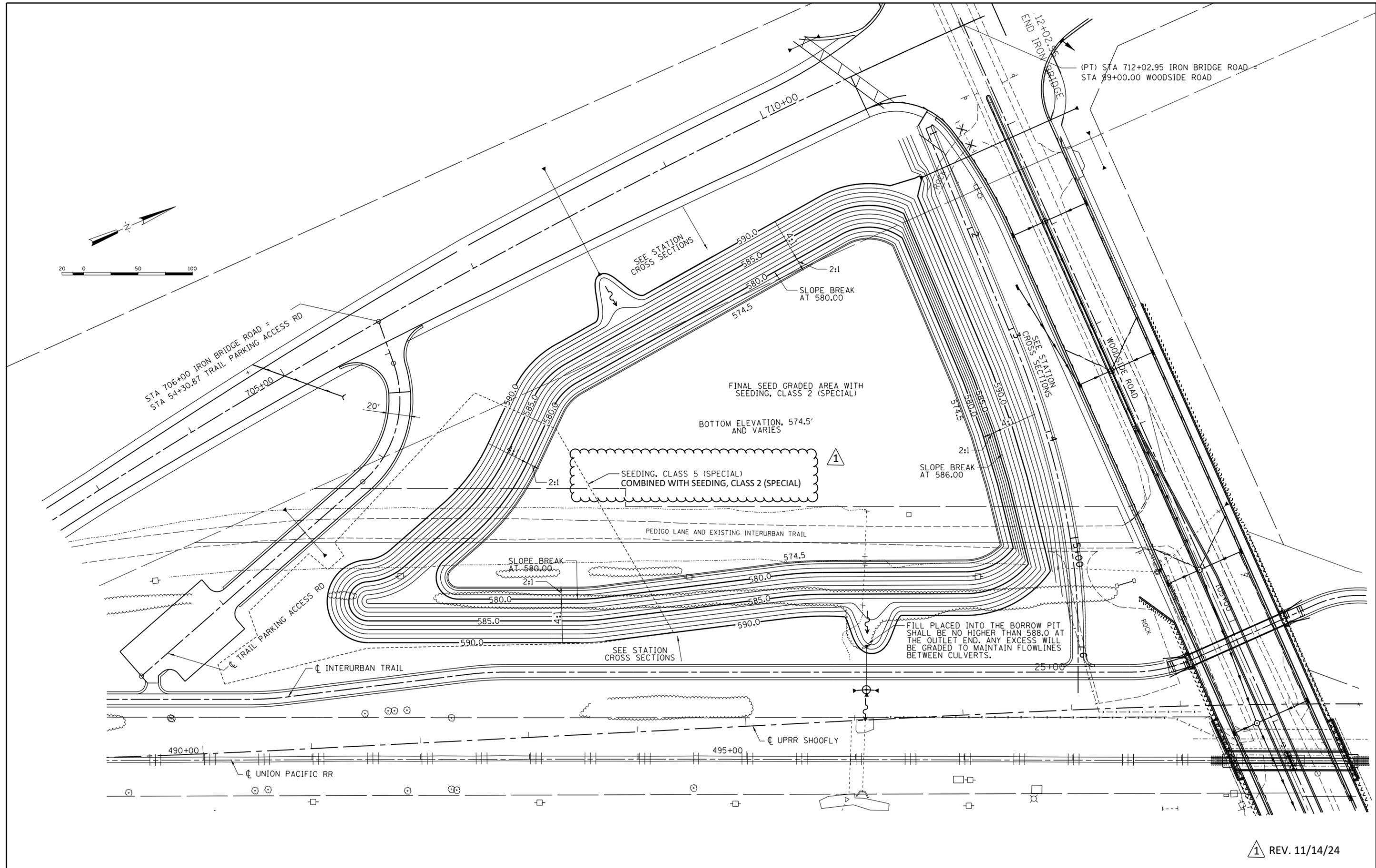
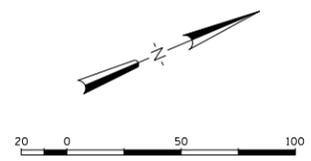
FILE NAME: I:\96\jobs\9652002\FCAD\Road\Sheet\UP-Track\Fc-UPRR_Sch.dgn
PLOT DATE: 7/29/2024

USER NAME = johns00944	DESIGNED - GCN	REVISED -
PLOT SCALE = 99,9998 sf / in.	DRAWN - JLF	REVISED -
PLOT DATE = 7/29/2024	CHECKED - GCN	REVISED -
	DATE - 4/12/2021	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

UPRR DIVISION OF WORK SCHEDULE	
SPRINGFIELD SUBDIVISION MP 190.7 TO MP 191.4	
SCALE:	SHEET 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		SANGAMON	368	44
96S2002F			CONTRACT NO. 93671	
ILLINOIS FED. AID PROJECT 6				



1 REV. 11/14/24

FILE NAME = Ge-7-BORROW02.dgn	USER NAME = johns00944	DESIGNED - JDS	REVISED -	STATE OF ILLINOIS SANGAMON COUNTY HIGHWAY DEPARTMENT	WOODSIDE BORROW PIT GRADING PLAN PHASE 2			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	PLOT SCALE = 79.9998' / in.	DRAWN - JDS	REVISED -		SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.	SANGAMON	368	82
	PLOT DATE = 7/29/2024	CHECKED - JWM	REVISED -								CONTRACT NO.	93671	
		DATE - 8/24/2020	REVISED -								FED. ROAD DIST. NO. 6	ILLINOIS FED. AID PROJECT 6	

GENERAL NOTES

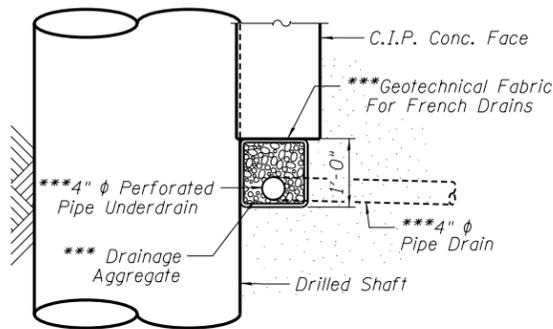
- Fasteners shall be ASTM A325 Type 3, bolts. Bolts 7/8 in. ϕ , holes 15/16 in. ϕ , unless otherwise noted.
- Calculated weight of Structural Steel, ASTM A709, Gr. 50W = 268,700 lbs.
- All structural steel shall be ASTM A709 Grade 50W unless otherwise noted on the plans. Handrail HSS shall be ASTM A847.
- All substructure concrete shall have a compressive strength of 4,000 psi at 28 days.
- No field welding is permitted except as specified in the contract documents.
- Reinforcement bars designated (E) shall be epoxy coated.
- Bearing seat surfaces shall be constructed or adjusted to the designated elevation within a tolerance of 1/8 inch (0.01 ft.). Adjustment shall be made either by grinding the surface or by shimming the bearings.
- Concrete Sealer shall be applied to the following surfaces:
Abutments - inside face of backwall, inside face of cheekwall, top of cap, entire concrete facing attached to abutment caps and drilled shafts.
Piers - entire exposed pier surface.
- The end 10'-0" of all exposed structural steel, including bearings and bottom of deck plate (each end of each bridge span), shall be painted in accordance with Section 506 of the Standard Specifications using inorganic the Zinc-Rich Primer/Acrylic/Acrylic Paint System. The color of the final finish coat of all steel surfaces shall be Reddish Brown, Munsell No. 2.5YR 3/4.
- Waterproofing shall be applied to the backside of the abutment cap and backwall and backside of wingwalls for surfaces below ground. This shall be according to Article 503.18 of the Std. Spec. Cost included with Concrete Structures.
- Drilled shaft crosshole sonic log (CSL) and thermal integrity profile (TIP) testing:
A) All bridge drilled shafts shall be evaluated by Crosshole Sonic Logging testing and Thermal Integrity Profile Testing.
B) CSL access duct installation and grouting and crosshole sonic logging testing, analysis and reporting shall be in accordance with GBSP 91 except six equally spaced ducts shall be installed at each shaft and shall be extended 2'-6" above the top of the drilled shaft concrete.
C) TIP materials and equipment for data collection and analysis and reporting shall be in accordance with GBSP 92.
- Drilled shafts within the influence of track surcharge shall be designed with permanent or temporary casing for protection against cave-in, subsidence or displacement of surrounding ground. Casing shall be designed for live load due to Railroad surcharge in addition to all other applicable loads. Drilled shafts shall be designed to allow the drilling operation to proceed without impacting the Railroad operation.
- All temporary shoring shall meet the requirements in the UPRR/BNSF Guidelines for Temporary Shoring.
- See sheets 20 & 21 for additional UPRR standard steel, concrete and drilled shaft notes. Additional applicable construction specifications are: IDOT Standard Specifications for Road and Bridge Construction, UPRR General Conditions and Specifications, and AREMA Manual for Railway Engineering. In the event of conflict between specifications, the stricter requirements, as approved by UPRR, shall apply.
- Reference to approval by "Engineer" for test results and submittal's shall refer to approval of Engineer, Local Agency and UPRR.
- All changes proposed by Local Agency, Engineer and/or contractor after UPRR's approval shall be provided to the UPRR for review and approval prior to implementation.
- At project completion Contractor shall provide copies of all final project documents including marked up construction drawings reflecting all approved changes, approval shop drawings, and construction test reports in PDF format.

INDEX OF SHEETS

- General Plan
- General Data
- Foundation Layout
- Stage Construction Details
- Superstructure
- Structural Steel
- Structural Steel Details (Sheet 1 of 3)
- Structural Steel Details (Sheet 2 of 3)
- Structural Steel Details (Sheet 3 of 3)
- Bearing Details
- Membrane Waterproofing
- Steel Handrail
- South Abutment
- South Abutment Details
- North Abutment
- North Abutment Details
- Pier
- Bar Splicer Details
- Subsurface Data Profile
- Steel & Concrete Notes
- Drilled Shaft Notes

UNION PACIFIC RAILROAD
S.N. 084-9950 BUILT 20__ BY
SANGAMON COUNTY
SEC. 07-00090-08-FP
STATION 500+00.00
MILE POST 191.07
LOADING COOPER E-80

NAME PLATE
See Std. 515001



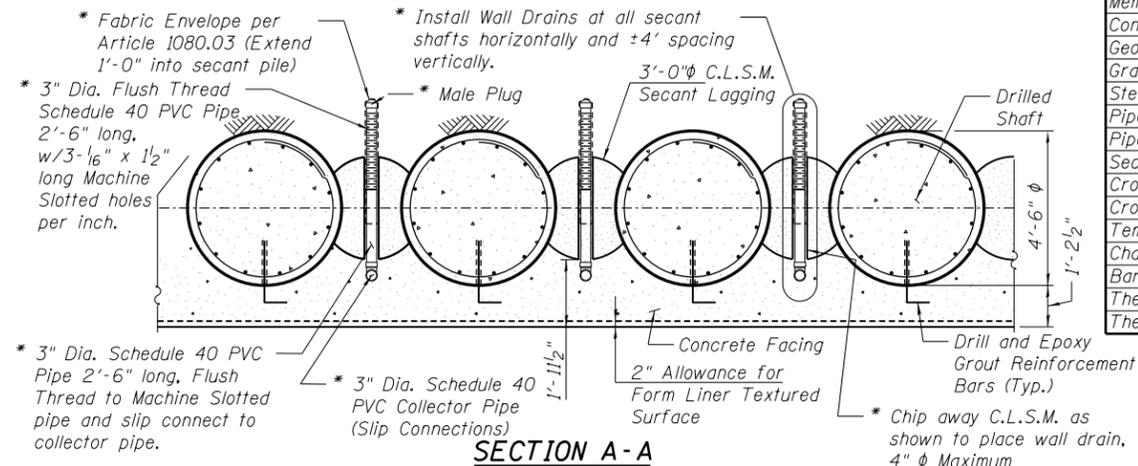
Note: Connect to adjacent wall pipe underdrain

PIPE UNDERDRAIN DETAIL

***Included in the cost of "Pipe Underdrains for Structures, 4".

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Structure Excavation	Cu. Yd.	-	525	525
Concrete Structures	Cu. Yd.	-	261.3	261.3
Concrete Superstructure	Cu. Yd.	10.6	-	10.6
Form Liner Textured Surface	Sq. Ft.	-	2277	2277
Furnishing and Erecting Structural Steel Bridge No. 2	L. Sum	1	-	1
Reinforcement Bars	Pound	-	313150	313150
Reinforcement Bars, Epoxy Coated	Pound	1610	44810	46420
Name Plates	Each	-	1	1
Drilled Shaft in Soil	Cu. Yd.	-	576.9	576.9
Drilled Shaft in Rock	Cu. Yd.	-	127.8	127.8
Membrane Waterproofing (Special)	Sq. Ft.	1879	-	1879
Concrete Sealer	Sq. Ft.	-	4446	4446
Geocomposite Wall Drain	Sq. Yd.	-	64	64
Granular Backfill for Structures	Cu. Yd.	-	94	94
Steel Railing (Special)	Foot	215	-	215
Pipe Underdrains for Structures, 4"	Foot	-	120	120
Pipe Underdrains for Structures, 6"	Foot	-	283	283
Secant Lagging	Cu. Ft.	-	2717	2717
Crosshole Sonic Logging Access Ducts	Foot	-	1253	1253
Crosshole Sonic Logging Testing	Each	-	23	23
Temporary Sheet Piling	Sq. Ft.	-	1021	1021
Chain Link Fence, Attached to Structure, Special	Foot	-	100	100
Bar Splicers	Each	-	80	80
Thermal Integrity Profile Data Collection	Foot	-	1253	1253
Thermal Integrity Profile Testing	Each	-	23	23



SECTION A-A

* Included in the cost of "Pipe Underdrains for Structures, 4".

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		DRAWN - RSJ	REVISED -
		CHECKED - TLB	REVISED -

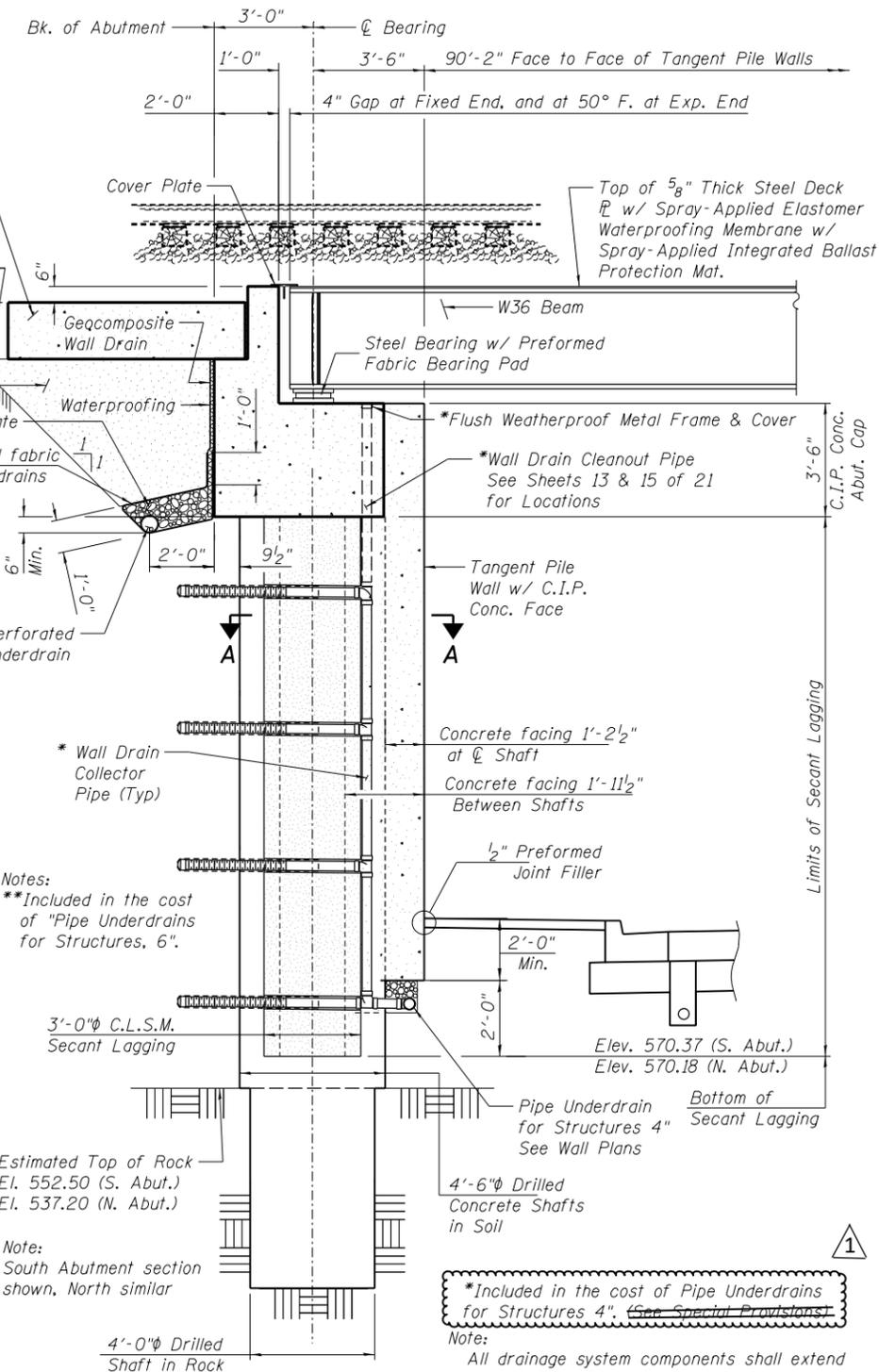
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL DATA
STRUCTURE NUMBER 084-9950

SHEET NO. 2 OF 21 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		SANGAMON	368	205
	96S2002F	CONTRACT NO.	93671	

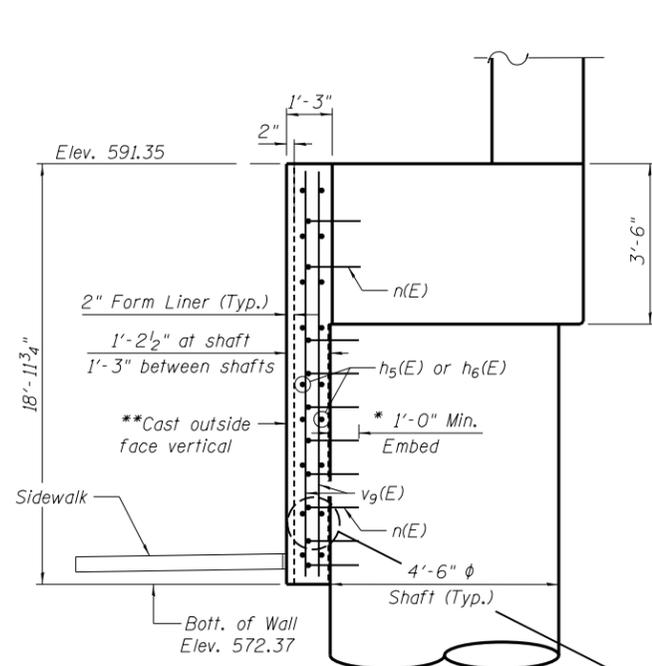
ILLINOIS FED. AID PROJECT 6
07-00164-04-FP, 07-00090-08-FP



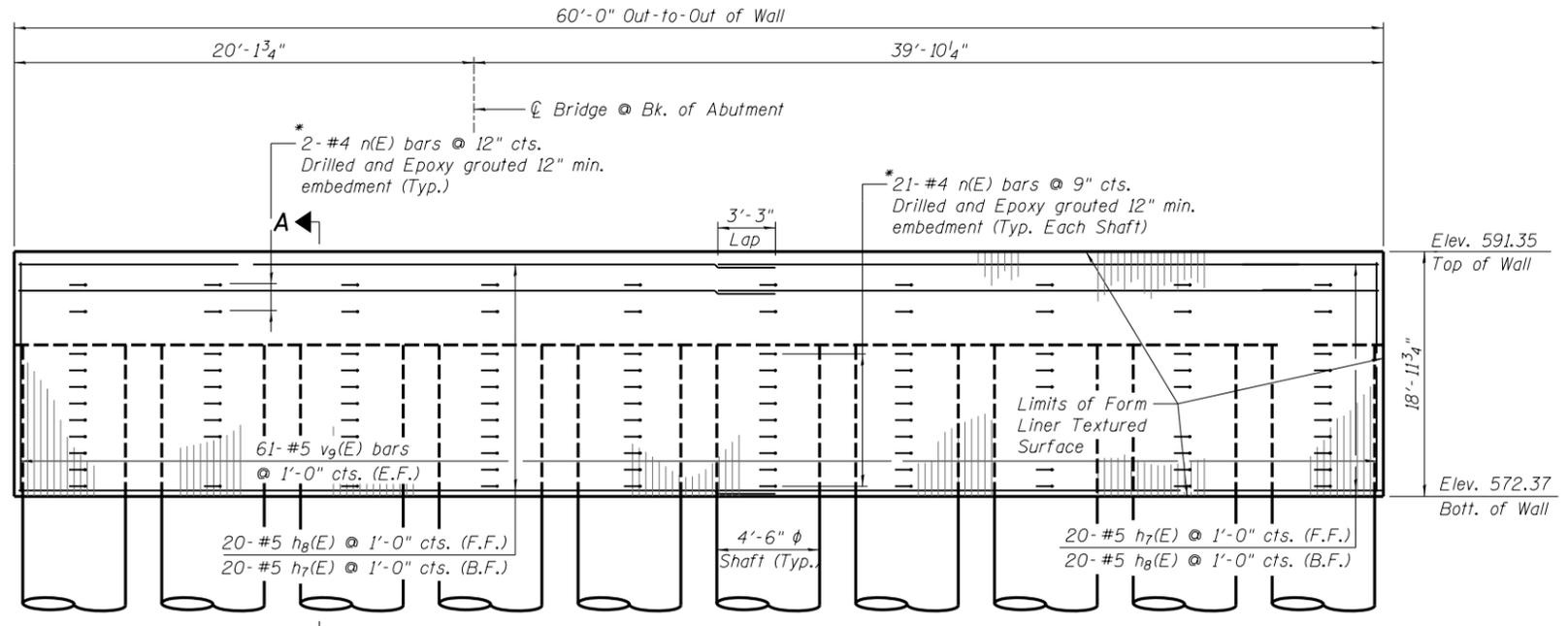
SECTION THRU TANGENT PILE WALL AT PILE SUPPORTED STUB ABUTMENT

(Horiz. dim. @ Rt. L's unless otherwise noted)

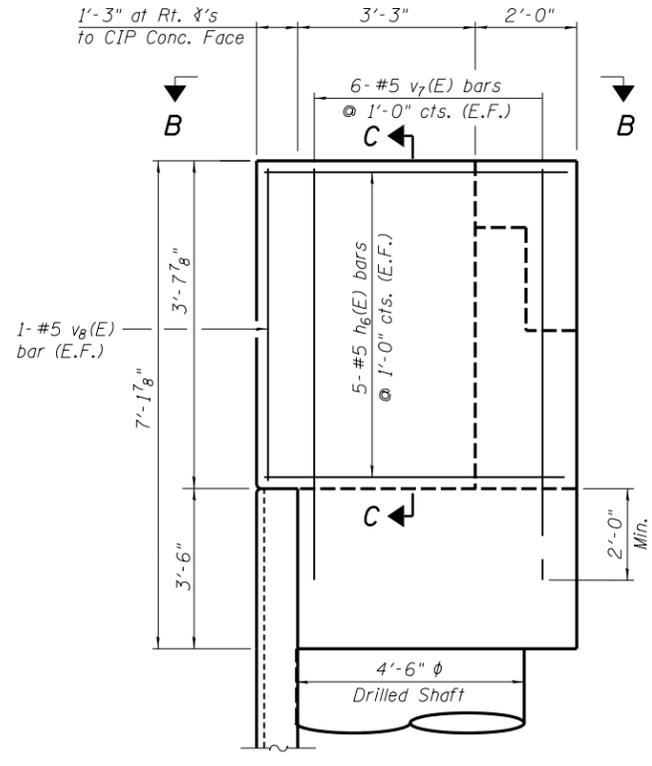
REV. 11/14/24



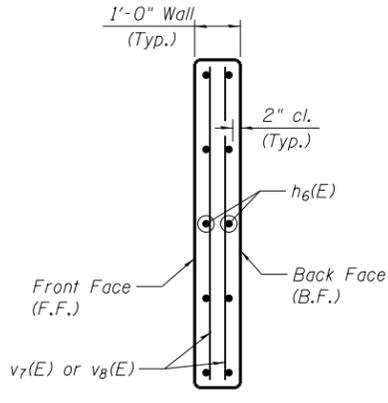
SECTION A-A



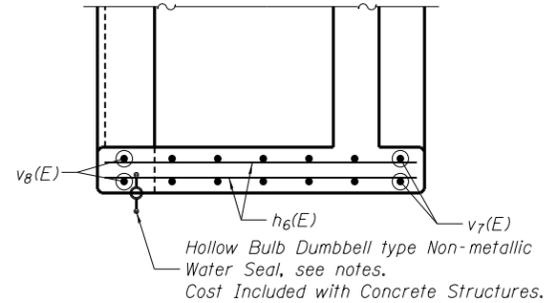
ELEVATION - C.I.P. CONCRETE FACE
(Looking South)



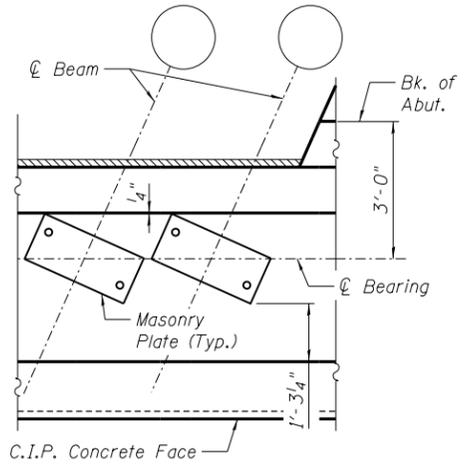
ELEVATION - TYPICAL END VIEW
(Same Each End of Abutment)



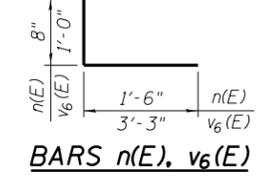
CHEEKWALL SECTION C-C



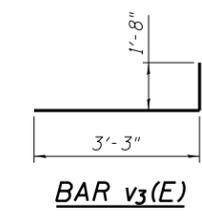
SECTION B-B - PLAN VIEW



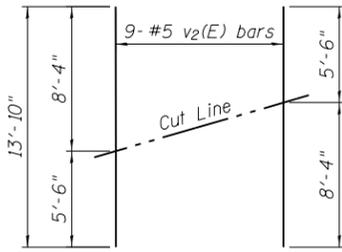
MASONRY P/CAP PLAN



BARS n(E), v6(E)

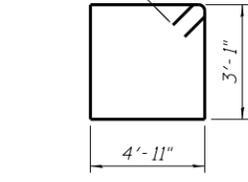


BAR v3(E)

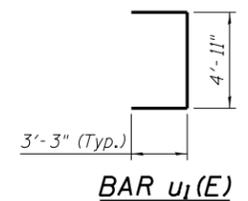


CUTTING DIAGRAM

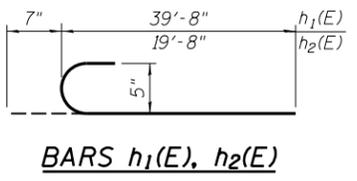
Order v2(E) bars full length.
Cut as shown and use remainder of bars in opposite end.



BARS s2(E)



BAR u1(E)



BARS h1(E), h2(E)

Notes:
Space cap reinforcement to miss blockouts for anchor bolts.
See Retaining Wall Plans for Expansion Joint Detail at each end of C.I.P. Concrete Facing and for additional information on the Form Liner Textured Surface pattern and detail.

* Bars epoxy grouted shall have an embedment sufficient to develop 1.25 times the full capacity of the reinforcement bar.
** Concrete wall face shall be cast vertically. Thickness of wall may vary due to abutment deflection and construction tolerances. The Min. wall thickness shall be 1'-0".

BILL OF MATERIAL SOUTH ABUTMENT

Bar	No.	Size	Length	Shape
h1(E)	10	#5	40'-3"	C
h2(E)	10	#5	20'-3"	C
h3(E)	8	#5	8'-7"	—
h4(E)	8	#5	10'-11"	—
h5(E)	8	#5	18'-8"	—
h6(E)	20	#5	6'-2"	—
h7(E)	40	#5	29'-10"	—
h8(E)	40	#5	33'-1"	—
n(E)	230	#4	2'-2"	L
p1(E)	14	#9	39'-8"	—
p2(E)	14	#9	19'-8"	—
p3(E)	8	#5	39'-8"	—
p4(E)	8	#5	19'-8"	—
s1	1080	#5	14'-9"	O
s2(E)	80	#5	16'-11"	□
u1(E)	8	#5	11'-5"	J
v1(E)	320	#14	56'-2"	—
v2(E)	18	#5	13'-10"	—
v3(E)	60	#5	4'-11"	L
v4(E)	38	#5	5'-4"	—
v5(E)	46	#5	8'-4"	—
v6(E)	13	#6	4'-3"	J
v7(E)	24	#5	5'-6"	—
v8(E)	4	#5	3'-4"	—
v9(E)	122	#5	18'-7"	—
Structure Excavation		Cu. Yds.	250	
Concrete Structures		Cu. Yds.	109.1	
Drilled Shaft in Soil		Cu. Yds.	208.2	
Drilled Shaft in Rock		Cu. Yds.	88.4	
Secant Lagging		Cu. Ft.	1359	
Form Liner Textured Surface		Sq. Ft.	1139	
Reinforcement Bars		Pound	152980	
Reinforcement Bars, Epoxy Coated		Pound	12640	
Crosshole Sonic Logging Access Ducts		Foot	544	
Crosshole Sonic Logging Testing		Each	10	
Bar Splicers		Each	40	
Thermal Integrity Profile Testing		Each	10	
Thermal Integrity Profile Data Collection		Foot	544	

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		CHECKED - TLB	REVISED -
		DRAWN - RSJ	REVISED -
		CHECKED - TLB	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOUTH ABUTMENT DETAILS
STRUCTURE NUMBER 084-9950

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	96S2002F		CONTRACT NO.	93671

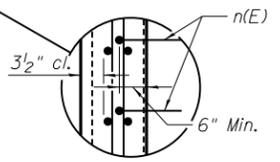
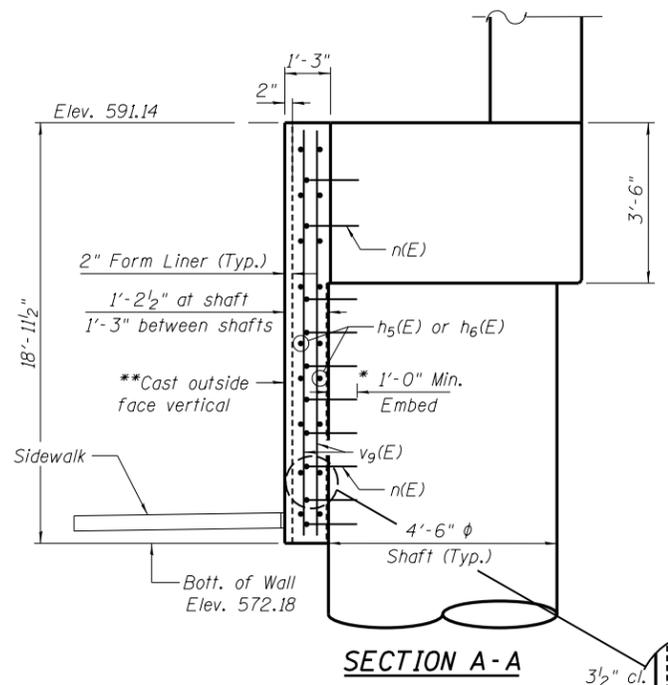
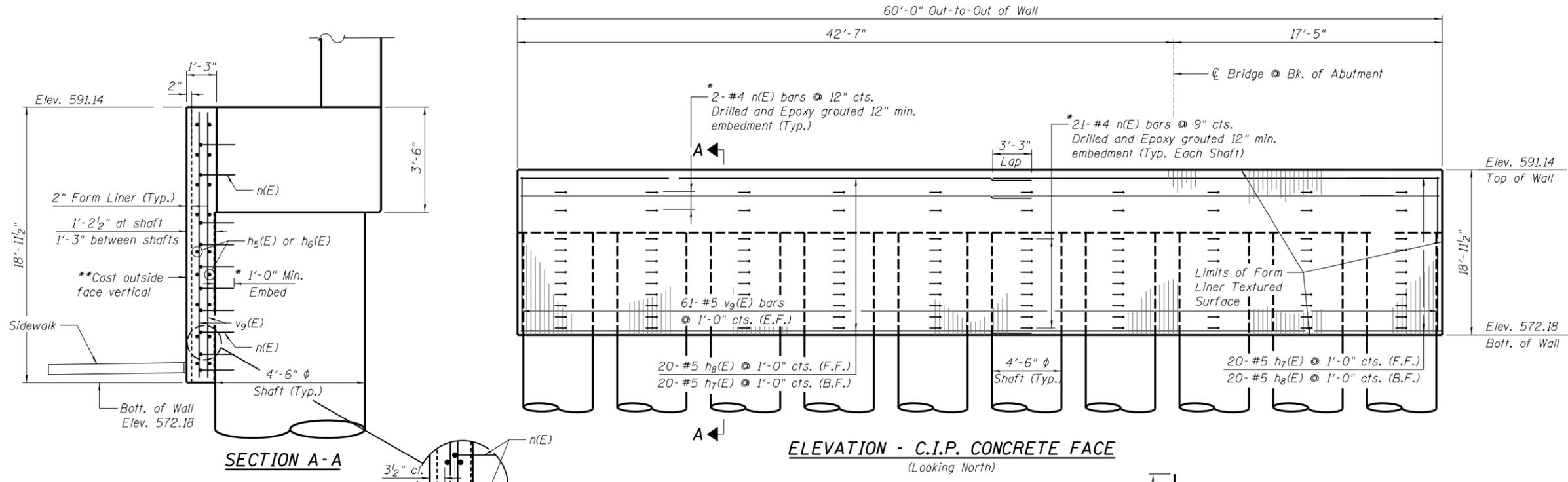
SHEET NO. 14 OF 21 SHEETS

REV. 11/14/24

ILLINOIS FED. AID PROJECT 6
07-00164-04-FP, 07-00090-08-FP

* Bars epoxy grouted shall have an embedment sufficient to develop 1.25 times the full capacity of the reinforcement bar.

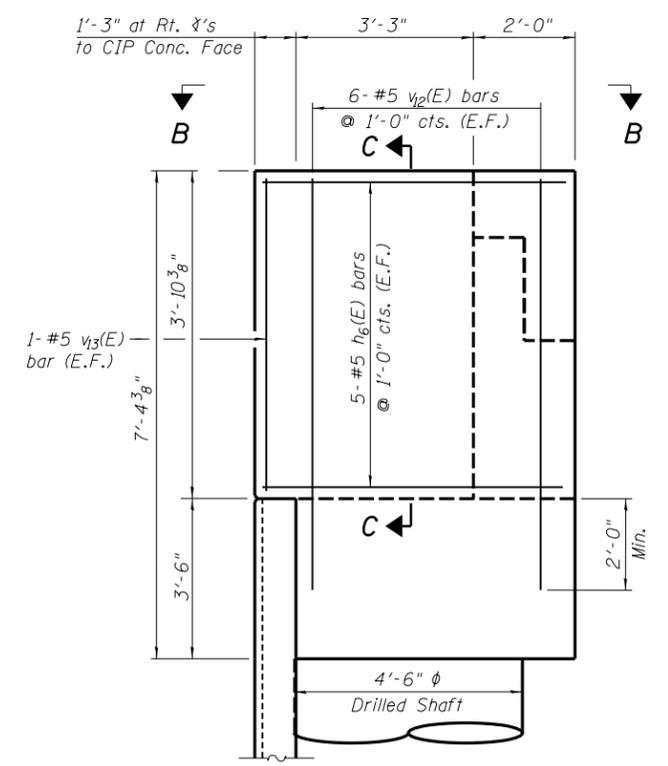
** Concrete wall face shall be cast vertically. Thickness of wall may vary due to abutment deflection and construction tolerances. The Min. wall thickness shall be 1'-0".



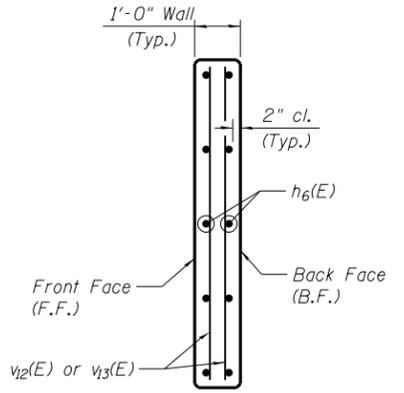
ELEVATION - C.I.P. CONCRETE FACE
(Looking North)

**BILL OF MATERIAL
NORTH ABUTMENT**

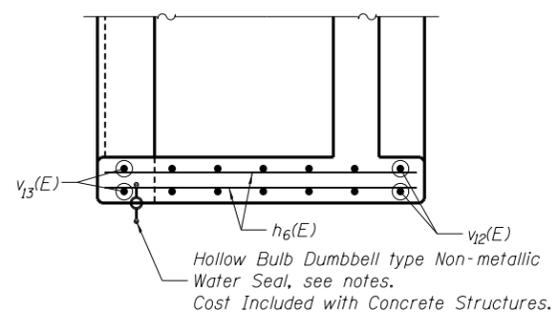
Bar	No.	Size	Length	Shape
h1(E)	10	#5	40'-3"	C
h2(E)	10	#5	20'-3"	C
h5(E)	8	#5	18'-8"	—
h6(E)	20	#5	6'-2"	—
h7(E)	40	#5	29'-10"	—
h8(E)	40	#5	33'-1"	—
h9(E)	8	#5	7'-3"	—
h10(E)	8	#5	12'-11"	—
n(E)	230	#4	2'-2"	L
p1(E)	14	#9	39'-8"	—
p2(E)	14	#9	19'-8"	—
p3(E)	8	#5	39'-8"	—
p4(E)	8	#5	19'-8"	—
s1	1140	#5	13'-9"	O
s2(E)	80	#5	16'-11"	□
u1(E)	8	#5	11'-5"	J
v3(E)	60	#5	4'-11"	L
v4(E)	38	#5	5'-4"	—
v6(E)	13	#6	4'-3"	J
v9(E)	122	#5	18'-7"	—
v10(E)	16	#5	14'-1"	—
v11(E)	50	#5	8'-4"	—
v12(E)	24	#5	5'-9"	—
v13(E)	4	#5	3'-6"	—
v15(E)	320	#14	58'-9"	—
Structure Excavation	Cu. Yds.	258		
Concrete Structures	Cu. Yds.	108.9		
Drilled Shaft in Soil	Cu. Yds.	297.1		
Drilled Shaft in Rock	Cu. Yds.	30.3		
Secant Lagging	Cu. Ft.	1358		
Form Liner Textured Surface	Sq. Ft.	1138		
Reinforcement Bars	Pound	160170		
Reinforcement Bars, Epoxy Coated	Pound	12660		
Crosshole Sonic Logging Access Ducts	Foot	569		
Crosshole Sonic Logging Testing	Each	10		
Bar Splicers	Each	40		
Thermal Integrity Profile Testing	Each	10		
Thermal Integrity Profile Data Collection	Foot	569		



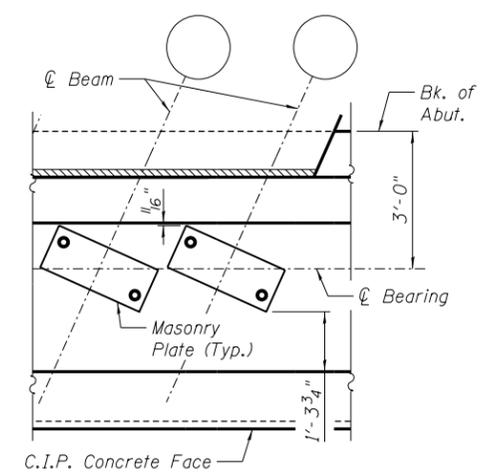
ELEVATION - TYPICAL END VIEW
(East Wing shown, West Wing similar)



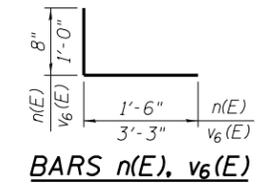
CHEEKWALL SECTION C-C



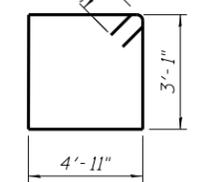
SECTION B-B - PLAN VIEW



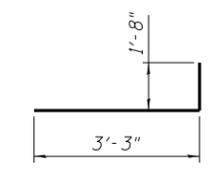
MASONRY P/CAP PLAN



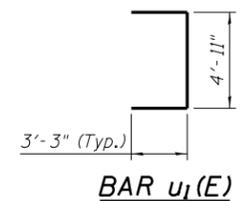
BARS n(E), v6(E)



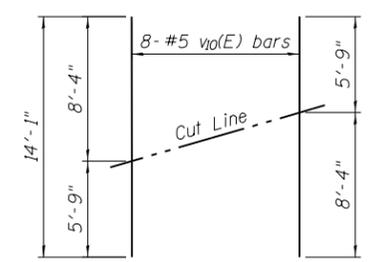
BARS s2(E)



BAR v3(E)

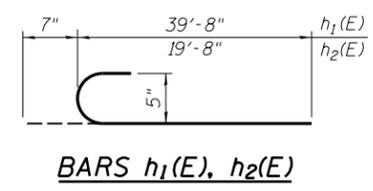


BAR u1(E)



CUTTING DIAGRAM

Order v10(E) bars full length. Cut as shown and use remainder of bars in opposite end.



BARS h1(E), h2(E)

Notes:
Space cap reinforcement to miss blockouts for anchor bolts. See Retaining Wall Plans for Expansion Joint Detail at each end of C.I.P. Concrete Facing and for additional information on the Form Liner Textured Surface pattern and detail.

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		CHECKED - TLB	REVISED -
		DRAWN - RSJ	REVISED -
		CHECKED - TLB	REVISED -

DESIGNED - MJW	REVISED -
CHECKED - TLB	REVISED -
DRAWN - RSJ	REVISED -
CHECKED - TLB	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**NORTH ABUTMENT DETAILS
STRUCTURE NUMBER 084-9950**

SHEET NO. 16 OF 21 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		SANGAMON	368	219
	96S2002F	CONTRACT NO.	93671	

REV. 11/14/24

ILLINOIS FED. AID PROJECT 6
07-00164-04-FP, 07-00090-08-FP

GENERAL NOTES

- Concrete Sealer Shall Be Applied to the Inside Face of Backwalls, Inside Face of Cheekwalls, and Top of Cap.
- The Organic Zinc Rich Primer / Epoxy / Urethane Paint System Shall Be Used for Shop and Field Painting of New Structural Steel Except Where Otherwise Noted. The Color of the Final Finish Coat Shall Be Reddish Brown, Munsell No. 2.5YR 3/4.
- Bearing Seat Surfaces Shall Be Constructed or Adjusted to the Designated Elevations Within a Tolerance of 1/8 Inch. Adjustment Shall Be Made Either by Grinding the Surface or by Shimming the Bearing. Two 1/8" Adjustment Shims, of the Dimensions of the Bottom Bearing Plate, Shall be Provided for Each Bearing in Addition to All Other Plates or Shims.
- All Construction Joints Shall Be Bonded.
- See Final Plans for Adjacent Retaining Wall for Boring Data Information for the Following Borings: B-49 and B-50.
- Reinforcement Bars Designated (E) Shall Be Epoxy Coated.
- Waterproofing Shall Be Applied to the Backside of the Abutment Cap and Backwall and Backside of Cheek Walls for Surfaces Below Ground. This Shall Be According to Article 503.18 of the Standard Specifications. Cost Included with Concrete Structures.
- See Retaining Wall Plans for Suggested Sequence of Construction.

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Structure Excavation	Cu. Yd.	-	62	62
Concrete Structures	Cu. Yd.	-	21.7	21.7
Pedestrian Truss Superstructure	Sq. Ft.	973	-	973
Reinforcement Bars, Epoxy Coated	Pound	2090	2350	4440
Name Plates	Each	1	-	1
Concrete Sealer	Sq. Ft.	-	197	197
Bicycle Railing (Ground Mounted)	Foot	-	80	80
Granular Backfill for Structures	Cu. Yd.	-	14	14
Concrete Superstructure (Approach Slab)	Cu. Yd.	13.5	-	13.5

BRIDGE REACTIONS

	*TRUSS REACTIONS (+)=Downward (-)=Upward		
	Span 1		
	P (Lbs)	H (Lbs)	L (Lbs)
Dead Load	10,175	-	-
Uniform Live Load	22,275	-	-
Vehicle Load	5,000	-	-
Wind Uplift 20psf	-8,170	-	-
Wind	±9,125	16,980	-
Thermal	-	-	1,530

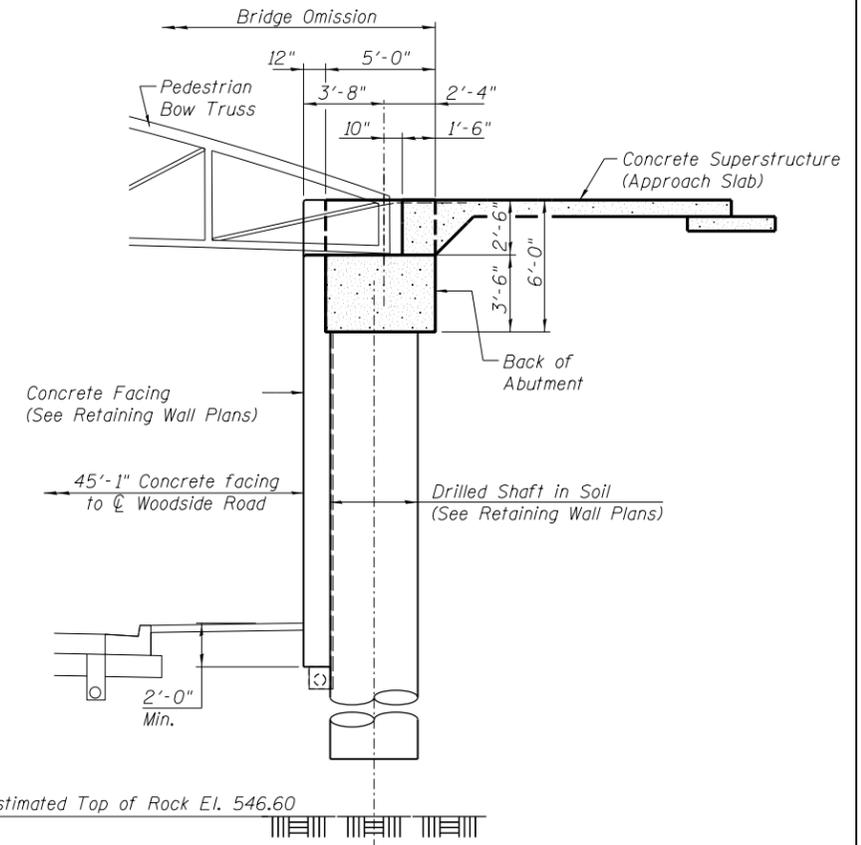
*Hanson Professional Services Inc. Design Includes Substructure Elements Only. Abutment Design and Details are Based on Assumed Typical Reactions and Dimensions. Contractor Shall Verify Final Design and Details are Compatible with the Selected Superstructure Prior to Construction. The Contractor Shall Employ a Structural Engineer Licensed in the State of Illinois to Provide Alternate Abutment Designs as Required.

INDEX OF SHEETS

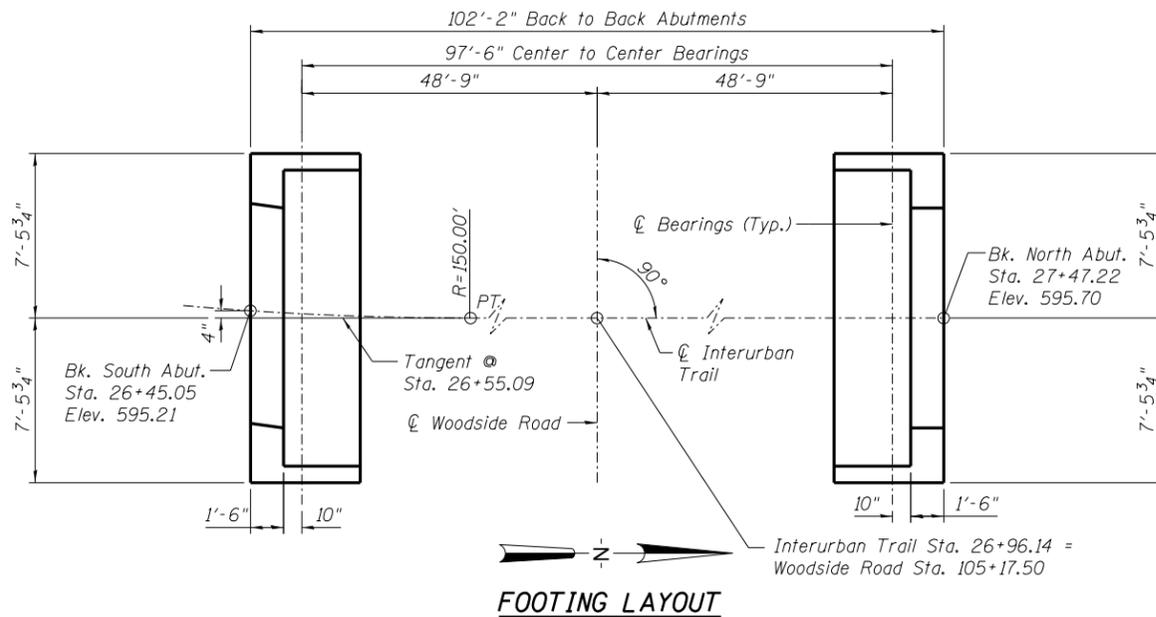
- General Plan and Elevation
- General Notes and Bill of Material
- North and South Abutment Details
- Approach Slab Details

INTERURBAN TRAIL
BUILT 20__ BY
SANGAMON COUNTY
SEC. 07-00090-08-FP
STATION 25+96.14
STR. NO. 084-8012
LOADING H-5 TRUCK

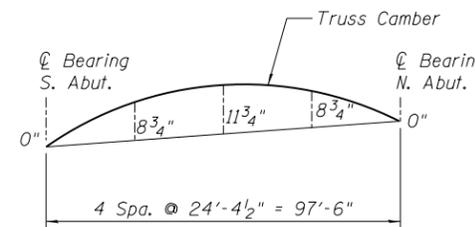
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See Std. 515001



TYPICAL SECTION THRU ABUTMENT

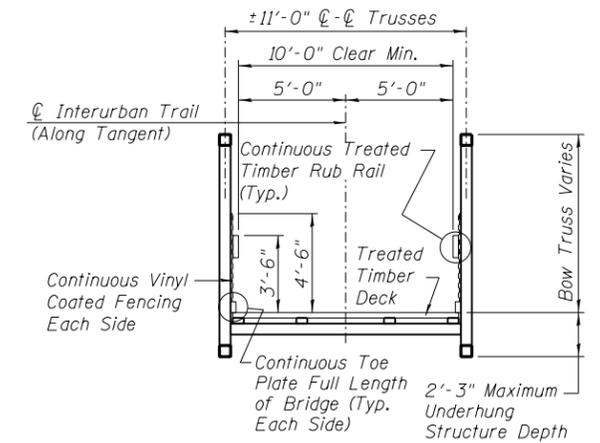


FOOTING LAYOUT



TRUSS CAMBER DIAGRAM

Note: Camber Diagram is for Fabricators Use Only. Final Resultant Camber Shall Be Cambered for Dead Load Plus the Specified Amount Shown Above.



SECTION THRU TRUSS

DESIGNED	KMS	9/16/19
DRAWN	EJM	9/16/19
REVIEWED	RGC	6/27/20

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USER NAME = johns00144	DESIGNED - KMS	REVISED -
PLOT SCALE = 0:2.0000 1" = 11'	CHECKED - RGC	REVISED -
PLOT DATE = 7/29/2024	DRAWN - EJM	REVISED -
	CHECKED - RGC	REVISED -



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES & BILL OF MATERIAL
INTERURBAN TRAIL PEDESTRIAN BRIDGE

SHEET NO. 2 OF 4 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	96S2002F	SANGAMON	368	226
			CONTRACT NO.	93671

REV. 11/14/24

ILLINOIS FED. AID PROJECT 6
07-00164-04-FP, 07-00090-08-FP