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GENERAL NOTES

1. THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
2. ALL MILLED SURFACES SHALL BE A UNIFORM CROSS SLOPE PER LANE AND FREE OF RIDGES BETWEEN PASSES. ANY DEVIATIONS SHALL BE CORRECTED AT NO COST TO THE DEPARTMENT.
3. LOCATION OF COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
4. TEN (10) FOOT TRANSITIONS SHALL BE USED TO MATCH THE PROPOSED CURB AND GUTTER AND MEDIAN ITEMS OF WORK TO EXISTING CURBS AND GUTTER AND MEDIANS IN THE FIELD, UNLESS OTHERWISE SHOWN.
5. SIDEWALK REMOVAL AND P.C.C. SIDEWALK 5" LOCATIONS SHALL BE DETERMINED BY THE ENGINEER.
6. DRAINAGE ADJUSTMENT OR RECONSTRUCTION LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
7. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
8. STORM SEWER CONSTRUCTED UNDER THE ROADWAY SHALL BE BACKFILLED ACCORDING TO METHOD 1 OF ARTICLE 550.07 OF THE STANDARD SPECIFICATIONS.
9. THE CONTRACTOR SHALL BE REQUIRED TO KEEP A RECORD OF THE LOCATIONS OF PLATED STRUCTURES BY STATION AND OFFSET LEFT OR RIGHT OF THE CENTERLINE OF PAVEMENT.
10. THE CONTRACTOR SHALL BE REQUIRED TO KEEP A RECORD OF THE LOCATIONS OF THE BURIED STRUCTURES ACCORDING TO THE STATION AND DISTANCE LEFT OR RIGHT OF THE CENTERLINE OF PAVEMENT. UPON COMPLETION OF THE WORK, THE CONTRACTOR SHALL DELIVIER THE RECORD TO THE ENGINEER.
11. EXISTING BROKEN FRAMES AND LIDS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND SHALL BE REPLACED AS DIRECTED BY THE ENGINEER. REPLACEMENT FRAMES AND LIDS WILL BE PAID FOR ACCORDING TO ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS UNLESS A SEPARATE PAY ITEM HAS BEEN PROVIDED.
12. THE CONTRACTOR SHALL CONTACT KALPANA KANNAN-HOSADURGA, THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR, AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
13. TWO WEEKS PRIOR TO THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS, THE ENGINEER SHALL CONTACT MR. FADI SULTAN, AREA TRAFFIC FIELD ENGINEER, AT FADI.SULTAN@ILLINOIS.GOV.
14. THE CONTRACTOR WILL NOT BE ALLOWED TO PROCEED WITH ANY PLANTING WORK UNTIL ALL UTILITY OWNERS FIELD LOCATE THEIR FACILITIES WHICH MAY INTERFERE WITH CONSTRUCTION OPERATIONS.
15. THE ACTUAL LOCATION OF PROPOSED LANDSCAPING WILL BE ADJUSTED IN THE FIELD TO AVOID UTILITIES.
16. INTERSEEDING, CLASS 1A IS TO BE USED TO RENOVATE AREAS WHERE EXISTING TURF IS IN POOR CONDITION. EXACT LOCATIONS WILL BE DETERMINED DURING CONSTRUCTION BY THE ENGINEER.
17. UNDERBRUSH OR DEBRIS AT PLANTING LOCATIONS SHALL BE REMOVED AND DISPOSED OF ACCORDING TO SECTION 201 OF THE STANDARD SPECIFICATIONS. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT THE COSTS SHALL BE CONSIDERED AS INCLUDED IN THE CONTRACT UNIT PRICES FOR THE CONSTRUCTION ITEMS INVOLVED, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
18. THIS PROJECT REQUIRES A US ARMY CORPS OF ENGINEERS (USACE) 404 PERMIT THAT WILL BE SECURED BY THE DEPARTMENT. AS A CONDITION OF THIS PERMIT, THE CONTRACTOR WILL NEED TO SUBMIT AN IN-STREAM WORK PLAN TO THE DEPARTMENT FOR APPROVAL. GUIDELINES ON ACCEPTABLE IN-STREAM WORK TECHNIQUES CAN BE FOUND ON THE USACE WEBSITE. THE USACE DEFINES AND DETERMINES IN-STREAM WORK. THE COST OF ALL MATERIALS AND LABOR NECESSARY TO COMPLY WITH THE ABOVE PROVISIONS TO PREPARE AND IMPLEMENT AN IN-STREAM WORK PLAN WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
19. NO FERTILIZER NUTRIENTS SHALL BE UTILIZED FOR IDOT SEEDING.
20. THE AGGREGATE GRADATION FOR THE AGGREGATE SUBGRADE IMPROVEMENT 12" LOWER LIFT SHALL BE CS1 OR RR1.
21. THE RESIDENT ENGINEER WILL CONTACT THE FOREST PRESERVE DISTRICT OF COOK COUNTY PRIOR TO THE START OF CONSTRUCTION TO INFORM THEM OF THE INITIATION OF CONSTRUCTION ACTIVITIES NEAR THEIR PROPERTIES.
22. AGGREGATE SUBGRADE IMPROVEMENT (CU YD) SHOULD BE USED TO REPLACE UNSUITABLE SOILS BELOW THE IMPROVED SUBGRADE LAYER. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT SHOULD BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE GEOTECHNICAL ENGINEER OR SOILS INSPECTOR. ALL POTENTIALLY UNSUITABLE SOILS SHALL BE TESTED WITH A CONE PENETROMETER AND TREATED IN ACCORDANCE WITH ARTICLE 301.04 OF THE STANDARD SPECIFICATIONS AND UNDERCUT GUIDELINES IN THE IDOT SUBGRADE STABILITY MANUAL. GEOTECHNICAL FABRIC FOR GROUND STABILIZATION (SQ YD) SHALL BE PLACED AT THE BASE OF THE UNDERCUT OR AS DIRECTED BY THE GEOTECHNICAL ENGINEER OR SOILS INSPECTOR. NOMINAL QUANTITIES OF AGGREGATE SUBGRADE IMPROVEMENT (CU YD) AND GEOTECHNICAL FABRIC FOR GROUND STABILIZATION (SQ YD) WERE INCLUDED. ANY MATERIAL NOT NEEDED FOR UNDERCUT REPLACEMENT SHALL BE DELETED FROM THE CONTRACT WITH NO EXTRA COMPENSATION TO THE CONTRACTOR.
23. THE DEPARTMENT HAS NOT OBTAINED ANY PERMITS FOR OFFSITE BORROW, WASTE, USE (BWU) AREAS. PRIOR TO WORKING IN BWU AREAS, IF THE CONTRACTOR CHOOSES TO USE ACTIVITIES REQUIRING PERMITS IT IS THE CONTRACTOR'S RESPONSIBILITY TO SECURE THE PROPER PERMITS. IN ADDITION TO THE BORROW REVIEW (BDE 2289) and USE/WASTE REVIEW (BDE 2290) SUBMITTALS, THE CONTRACTOR SHALL SUBMIT AN EROSION AND SEDIMENT CONTROL (ESC) PLAN FOR EVERY BWU SITE TO THE DEPARTMENT FOR ACCEPTANCE. GUIDELINES FOR ACCEPTABLE BWU PRACTICES CAN BE FOUND IN SECTION II.G.1 AND 2 of the SWPPP. THE COST OF ALL MATERIALS AND LABOR NECESSARY TO COMPLY WITH THE ABOVE PROVISIONS TO PREPARE AND IMPLEMENT ESC PLANS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

HMA MIXTURE REQUIREMENTS

MIXTURE TYPE	AIR VOIDS @ NDES	QUALITY MANAGEMENT PROGRAM (QMP)
PAVEMENT RESURFACING		
POLYMERIZED HMA SURFACE COURSE, MIX "E", IL-9.5, N70; 2"	4% AT 70 GYR.	QC/QA
PAVEMENT RECONSTRUCTION OR PAVEMENT WIDENING		
POLYMERIZED HMA SURFACE COURSE, MIX "E", IL-9.5, N70; 2"	4% AT 70 GYR.	QC/QA
HMA BASE COURSE (HMA BINDER IL-19MM); 8"	4% AT 90 GYR.	QC/QA
HMA BASE COURSE WIDENING (HMA BINDER IL-19MM); 8"	4% AT 90 GYR.	QC/QA
TEMPORARY PAVEMENT		
HMA BINDER COURSE, IL-19.0, N70; 8"	4% AT 70 GYR.	QC/QA
HMA SURFACE COURSE, IL-9.5, MIX "D", N70; 2"	4% AT 70 GYR.	QC/QA
DRIVEWAYS		
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50; 2"	4% AT 50 GYR.	QC/QA
HMA BINDER COURSE, IL-19.0, N50; 6"	4% AT 50 GYR.	QC/QA
CLASS D PATCHES (SPECIAL)		
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70; 2"	4% AT 70 GYR.	QC/QA
HMA BINDER COURSE, IL-19.0, N70; 8"	4% AT 70 GYR.	QC/QA
DESIGNATIONS: QUALITY CONTROL/QUALITY ASSURANCE (QC/QA), QUALITY CONTROL FOR PERFORMANCE (QCP), OR PAY FOR PERFORMANCE (PPF).		

1. THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURE QUANTITIES IS 112 LBS/SQYD/IN.
2. THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY RECLAIMED MATERIALS SPECIFICATIONS.



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PLOT DATE = 1/10/2025	DATE - 10/28/2022	REVISED - _____

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS, HIGHWAY STANDARDS AND GENERAL NOTES
F.A.P ROUTE 343 (IL 68) OVER SALT CREEK

SCALE: _____ SHEET 1 OF 1 SHEETS STA. _____ TO STA. _____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	FAP 343 22 CULVERT	COOK	67	2
CONTRACT NO. 62R73				
ILLINOIS FED. AID PROJECT				

REVISED SHEET 2/21/2025

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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE
				80% FEDERAL 20% STATE
				BOX CULVERT
				0004 URBAN
20101100	TREE TRUNK PROTECTION	EACH	20	20
20200100	EARTH EXCAVATION	CJ YD	632	632
50200450	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL FOR STRUCTURES	CJ YD	149	149
20400800	FURNISHED EXCAVATION	CJ YD	1006	1006
20800150	TRENCH BACKFILL	CJ YD	1532	1532
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	761	761
21101505	TOPSOIL EXCAVATION AND PLACEMENT	CJ YD	987	987
25000110	SEEDING, CLASS 1A	ACRE	1	1
28000305	TEMPORARY DITCH CHECKS	FOOT	64	64
28000400	PERIMETER EROSION BARRIER	FOOT	3411	3411
28000510	INLET FILTERS	EACH	13	13
28100107	STONE RIPRAP, CLASS A4	SQ YD	63	63
28200200	FILTER FABRIC	SQ YD	63	63
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CJ YD	254	254
30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SQ YD	3043	3043
31101200	SUBBASE GRANULAR MATERIAL, TYPE B 4"	SQ YD	771	771
35101598	AGGREGATE BASE COURSE, TYPE B 3"	SQ YD	819	819
35501308	HOT-MIX ASPHALT BASE COURSE, 6"	SQ YD	90	90
35501316	HOT-MIX ASPHALT BASE COURSE, 8"	SQ YD	1427	1427
35600708	HOT-MIX ASPHALT BASE COURSE WIDENING, 8"	SQ YD	309	309
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	2972	2972
40600370	LONGITUDINAL JOINT SEALANT	FOOT	1479	1479
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	80	80
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	212	212
40604060	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50	TON	11	11
40604172	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "E", N70	TON	740	740
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	7137	7137
42400800	DETECTABLE WARNINGS	SQ FT	45	45

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE
				80% FEDERAL 20% STATE
				BOX CULVERT
				0004 URBAN
44000100	PAVEMENT REMOVAL	SQ YD	2312	2312
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	4641	4641
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	218	218
44000300	CURB REMOVAL	FOOT	46	46
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	1040	1040
44000600	SIDEWALK REMOVAL	SQ FT	114	114
44003100	MEDIAN REMOVAL	SQ FT	85	85
44213200	SAW CUTS	FOOT	67	67
50100200	REMOVAL OF EXISTING STRUCTURES	L SUM	1	1
50104400	CONCRETE HEADWALL REMOVAL	EACH	2	2
50105220	PIPE CULVERT REMOVAL	FOOT	185	185
50200100	STRUCTURE EXCAVATION	CJ YD	46	46
50500505	STUD SHEAR CONNECTORS	EACH	450	450
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	33,060	33,060
50800515	BAR SPLICERS	EACH	74	74
50901750	PARAPET RAILING	FOOT	191	191
* 51500100	NAME PLATES	EACH	1	1
52200020	TEMPORARY SOIL RETENTION SYSTEM	SQ FT	697	697
* 52200100	FURNISHING SOLDIER PILES (HP SECTION)	FOOT	791.5	791.5
* 52200150	DRIVING SOLDIER PILES	FOOT	579.5	579.5
* 52200250	UNTREATED TIMBER LAGGING	SQ FT	1357	1357
50300225	CONCRETE STRUCTURES	CJ YD	75.3	75.3
54003000	CONCRETE BOX CULVERTS	CJ YD	114.8	114.8
54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	EACH	1	1
54213660	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"	EACH	1	1
54213681	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 36"	EACH	1	1
550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	253	253
Z0056608	STORM SEWERS (WATER MAIN REQUIREMENTS) 12 INCH	FOOT	13	13
550A0070	STORM SEWERS, CLASS A, TYPE 1 15"	FOOT	126	126
Z0056610	STORM SEWERS (WATER MAIN REQUIREMENTS) 15 INCH	FOOT	100	100

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REVISED SHEET 2/21/2025 * SPECIALTY ITEM



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PLOT DATE = 12/12/2024	DATE - 12/16/2022	REVISED +

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
F.A.P. ROUTE 343 (IL 68) OVER SALT CREEK

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	FAP 343 22 CULVERT	COOK	67	3
CONTRACT NO. 62R73				
ILLINOIS FED. AID PROJECT				

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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE	
				80% FEDERAL 20% STATE	
				BOX CULVERT	
				0004	URBAN
550A0090	STORM SEWERS, CLASS A, TYPE 1 18"	FOOT	63	63	①
Z0056612	STORM SEWERS (WATER MAIN REQUIREMENTS) 18 INCH	FOOT	63	63	
550A0120	STORM SEWERS, CLASS A, TYPE 1 24"	FOOT	344	344	
550A0140	STORM SEWERS, CLASS A, TYPE 1 30"	FOOT	351	351	
550A0160	STORM SEWERS, CLASS A, TYPE 1 36"	FOOT	200	200	
550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	102	102	
550A0360	STORM SEWERS, CLASS A, TYPE 2 15"	FOOT	137	137	
550A0450	STORM SEWERS, CLASS A, TYPE 2 36"	FOOT	187	187	①
550B0160	STORM SEWERS, CLASS B, TYPE 1 36"	FOOT	92	92	①
Z0056622	STORM SEWERS (WATER MAIN REQUIREMENTS) 36 INCH	FOOT	84	84	
55100500	STORM SEWER REMOVAL 12"	FOOT	188	188	
55100700	STORM SEWER REMOVAL 15"	FOOT	464	464	
58600101	GRANULAR BACKFILL FOR STRUCTURES	CU YD	233	233	
58700300	CONCRETE SEALER	SQ FT	1695	1695	
59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	151	151	
60146304	PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT	176	176	
60201205	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 12 FRAME AND GRATE	EACH	7	7	
60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	EACH	6	6	
60210500	CATCH BASINS, TYPE D, 3'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	1	1	
60218300	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	2	2	
60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	6	6	
60221000	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	3	3	
60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	5	5	
60236900	INLETS, TYPE A, TYPE 12 FRAME AND GRATE	EACH	5	5	
60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	EACH	1	1	
60260100	INLETS TO BE ADJUSTED	EACH	2	2	
60300305	FRAMES AND LIDS TO BE ADJUSTED	EACH	2	2	
60406000	FRAMES AND LIDS, TYPE 1, OPEN LID	EACH	2	2	
60406001	FRAMES AND LIDS, TYPE 1, ADA COMPLIANT, OPEN LID	EACH	2	2	
60406100	FRAMES AND LIDS, TYPE 1, CLOSED LID	EACH	2	2	

* INDICATES SPECIALTY ITEM



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
F.A.P. ROUTE 343 (IL 68) OVER SALT CREEK

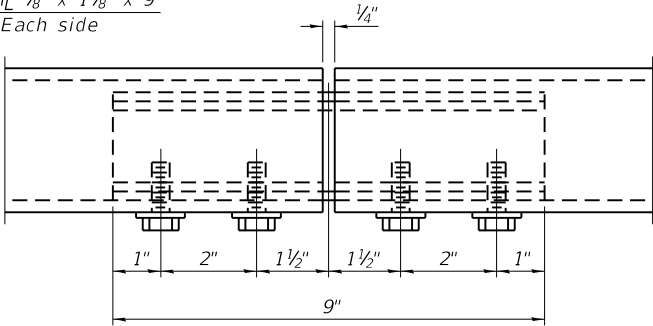
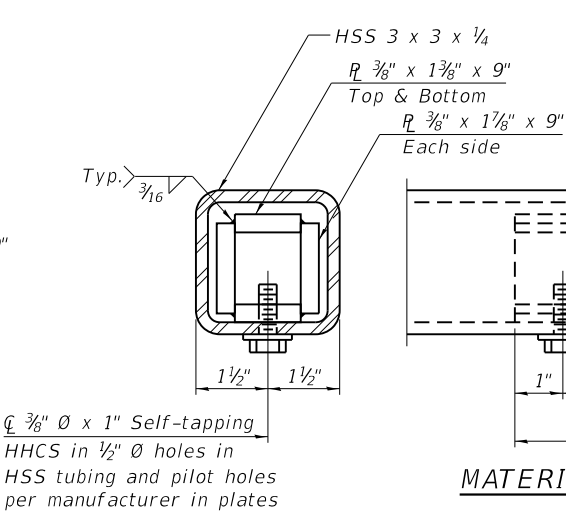
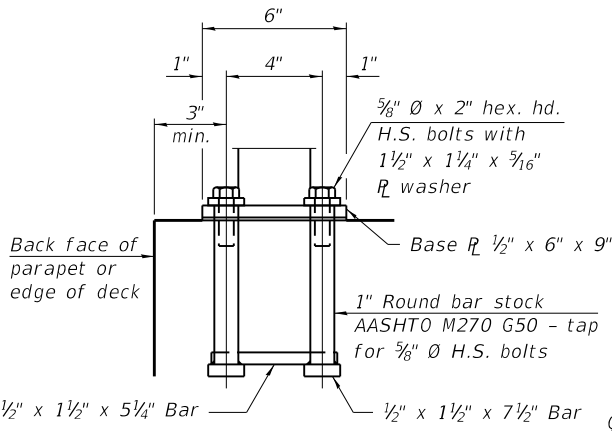
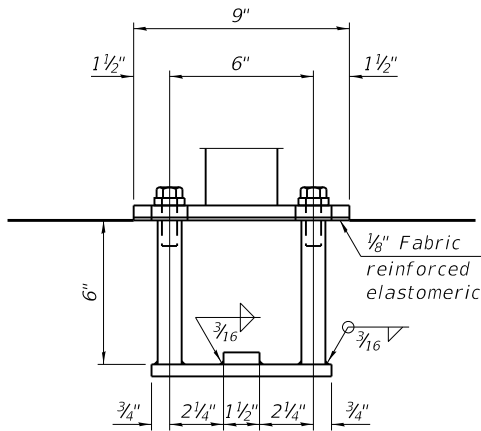
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	FAP 343 22 CULVERT	COOK	67	4
CONTRACT NO. 62R73				
ILLINOIS FED. AID PROJECT				

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE	
				80% FEDERAL 20% STATE	
				BOX CULVERT	
				0004	URBAN
60500050	REMOVING CATCH BASINS	EACH	8	8	
60600605	CONCRETE CURB, TYPE B	FOOT	8	8	
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	894	894	
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	1012	1012	
63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	458	458	
63000360	LONG-SPAN GUARDRAIL OVER CULVERT, 18 FT 9 IN SPAN	FOOT	44	44	
63100169	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) FLARED	EACH	2	2	
63200310	GUARDRAIL REMOVAL	FOOT	538	538	
67100100	MOBILIZATION	L SUM	1	1	
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	280	280	
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	3	3	
* 66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	L SUM	1	1	
* 66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM	1	1	
* 66901006	REGULATED SUBSTANCES MONITORING	CAL DA	20	20	
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	105	105	
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	180	180	
70300100	SHORT TERM PAVEMENT MARKING	FOOT	11527	11527	
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	8931	8931	
70307120	TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE	FOOT	13935	13935	
70400100	TEMPORARY CONCRETE BARRIER	FOOT	710	710	
70400125	PINNING TEMPORARY CONCRETE BARRIER	EACH	264	264	
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	617	617	
70600260	IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	4	4	
70600332	IMPACT ATTENUATORS, RELOCATE (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	4	4	
72400500	RELOCATE SIGN PANEL ASSEMBLY - TYPE A	EACH	1	1	
72400600	RELOCATE SIGN PANEL ASSEMBLY - TYPE B	EACH	1	1	
* 72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	2	2	①
78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	37	37	
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	10544	10544	

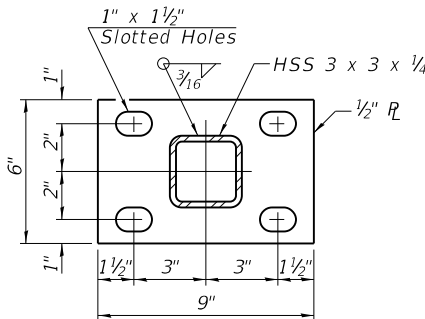
① REVISED SHEET 2/21/2025

MODEL: Default
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ANCHORAGE ASSEMBLY

In lieu of the cast-in-place anchor device shown, the Contractor has the option of drilling and setting 5/8" Ø fully threaded anchor rods with the same plate washers as specified above and heavy hex lock nuts according to Article 509.06 of the Standard Specifications. Embedment shall be according to the manufacturer's specifications.



SECTION B-B

MATERIAL SPLICE

Notes:
Place reinforcement bars to miss anchor rod locations.
CVN testing is not required for the HSS tubing used in the Bicycle Railing.
All HSS tubing used for the Parapet Railing shall be CVN tested according to Article 1006.34(b) of the Standard Specifications.
All HSS tubing used for the Parapet Railing shall be ASTM A500 grade C.
All base plates used for the Paraper Railing shall be AASHTO M270 grade 50.
All heavy hex nuts shall be according to ASTM A 563 grade DH.
All fully threaded anchor rods shall be ASTM F1554 grade 105.
The post base plate shall be fastened to the curb snug tight and given an additional 1/8" turn.
Rail splice inserts may be built out of bent plates of the same thicknesses and outside geometry limits as the 4 plate rail splice inserts shown.
All steel rail elements shall be galvanized according to Article 509.05 of the Standard Specifications.

BILL OF MATERIAL

Item	Unit	Quantity
Parapet Railing	Foot	191

REVISED SHEET 2/21/2025

(Sheet 2 of 2)



USER NAME =	RBASSIM	DESIGNED -	LJ	REVISED	2/14/2025 M.V.W.
		DRAWN -	MBC	REVISED	-
PLOT SCALE =		CHECKED -	LJ	REVISED	-
PLOT DATE =	2/18/2025 12:55:29 PM	DATE -	12/16/2022	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PARAPET RAILING DETAILS II
STRUCTURE NO. 016-2302

SHEET S11 OF S14 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	FAP 343 22 CULVERT	COOK	67	50
CONTRACT NO. 62R73				
ILLINOIS FED. AID PROJECT				