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PLANS OF PROPOSED IMPROVEMENT ON THE
PRIMARY ROAD SYSTEM
JACKSON COUNTY
HMA RESURFACING
Andrew to Bellevue

SCALES: As Noted

Refer to the Proposal Form for list of applicable specifications.



DESIGN DATA RURAL

2026	AADT	1,110	V.P.D.
2046	AADT	1,189	V.P.D.
20	- DHV	--	V.P.H.
TRUCKS		16	%
Total			
Design ESALs		--	

I hereby certify that this engineering document was prepared by me or under my direct personal supervision and that I am a duly licensed Professional Engineer under the laws of the State of Iowa.

8/4/26

Signature Seth M. Kjormoe Date

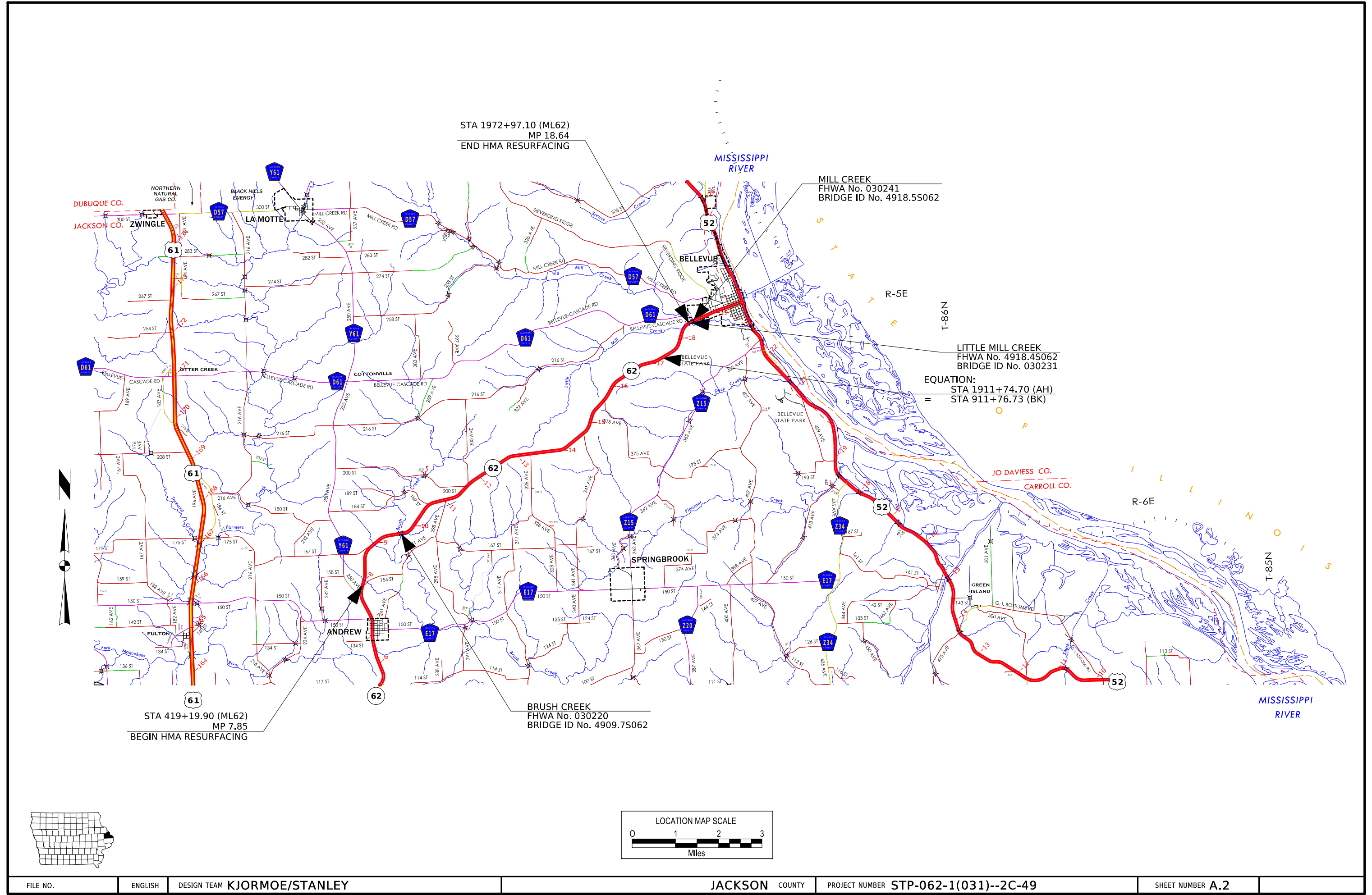
Printed or Typed Name

My license renewal date is December 31, 2026

Pages or sheets covered by this seal: ALL

REVISIONS

TOTAL
59
PROJECT IDENTIFICATION NUMBER
26-49-062-010
PROJECT NUMBER
STP-062-1(031)--2C-49
R.O.W. PROJECT NUMBER

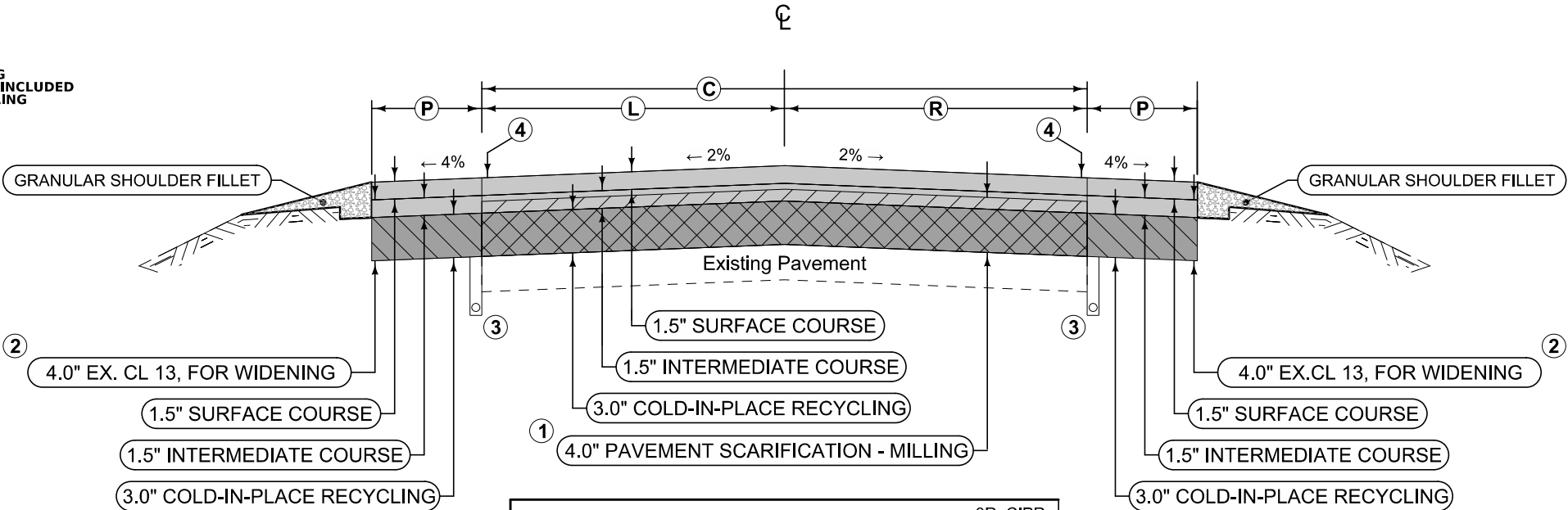


HMA RESURFACING

PAVEMENT MILLING
FOR CIP RECYCLING

COLD-IN-PLACE RECYCLING

- 1 PAVEMENT SCARIFICATION FOR COLD-IN-PLACE RECYCLING OPERATIONS WILL NOT BE PAID FOR SEPARATELY, AND IS INCLUDED IN THE CONTRACT UNIT PRICE FOR COLD-IN-PLACE RECYCLING
- 2 COLD-IN-PLACE RECYCLED MATERIAL GENERATED FROM THE 4.0" PAVEMENT SCARIFICATION OF THE EXISTING 24'-0" WIDE PAVEMENT IS TO BE PLACED APPROXIMATELY 3.0" THICK OVER THE FULL 32'-0" WIDTH CROSS-SECTION, INCLUDING THE PROPOSED 4'-0" PAVED SHOULDERS
- 3 POSSIBLE SUBDRAIN. SEE TABULATION FOR LOCATION DETAILS
- 4 PLACEMENT OF PAVEMENT MARKING EDGLINES



3R_Shldr_C_Milling_04-19-11				
STATION TO STATION		(P) Feet	CIP RECYCLING SY ②	CL. 13 EX. CY
419+19.98	467+21.14	4.0	2,134	238
468+39.00	507+17.29	4.0	1,724	190
516+98.63	561+83.62	4.0	1,993	219
562+77.32	614+97.00	4.0	2,320	255
616+17.48	618+72.43	4.0	113	13
619+87.62	911+76.91 (BK)	4.0	12,973	1,440
1911+74.70 (AH)	1916+69.68	4.0	220	25

3R_CIPR 04-19-11					
STATION TO STATION		(C) Feet	(L) Feet	(R) Feet	CIP RECYCLING SY ②
419+19.98	510+67.29	24.0	12.0	12.0	24,393
513+48.63	911+76.73 (BK)	24.0	12.0	12.0	106,208
1911+74.70 (AH)	1916+69.68	24.0	12.0	12.0	1,320

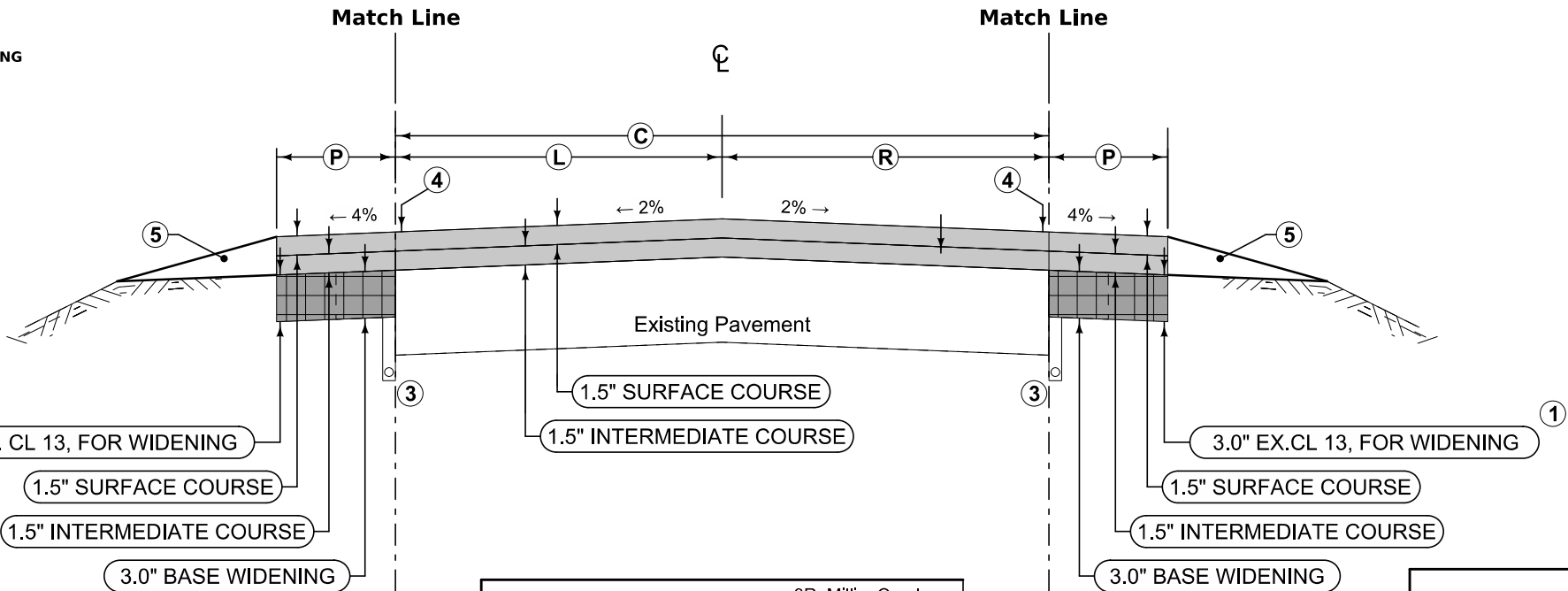
3R_Shldr_C_Milling_04-19-11				
STATION TO STATION		(P) Feet	CIP RECYCLING SY ②	CL. 13 EX. CY
419+19.98	420+22.18	4.0	45	5
421+92.05	507+17.29	4.0	3,789	417
516+98.63	583+76.14	4.0	2,968	326
585+06.86	704+43.84	4.0	5,305	584
706+33.97	776+22.88	4.0	3,106	342
777+55.43	824+53.18	4.0	2,088	230
826+03.96	911+76.91 (BK)	4.0	3,810	419
1911+74.70 (AH)	1916+69.68	4.0	220	24

- HMA RESURFACING

COLD-IN-PLACE RECYCLING
- PAVEMENT MILLING FOR CIP RECYCLING

CL 13 EX. FOR BASE WIDENING AND 6" BASE WIDENING

- ① EX. CL 13, FOR WIDENING INCLUDES MILLING OF THE EXISTING HMA PAVED SHOULDERS TO CONSTRUCT THE NEW HMA PAVED SHOULDERS TO A WIDTH OF 4.0'
- ② INSIDE 4.0' OF PAVED SHOULDER PAID FOR BY DIVISION 2 (HSIPX). OUTSIDE 4.0' OF PAVED SHOULDER PAID FOR BY DIVISION 1 (3R)
- ③ POSSIBLE SUBDRAIN. SEE TABULATION FOR LOCATION DETAILS
- ④ PLACEMENT OF PAVEMENT MARKING EDGELINES
- ⑤ CL. 10, WASTE, AND TOPSOIL, FURNISH AND SPREAD IN AREAS WHERE 8.0' PAVED SHOULDERS OTHERWISE SEE TYP. DETAIL 7145. MATCH EXISTING FORESLOPE.



3R_Shldr_C_Milling_04-19-11			
STATION TO STATION		(P) Feet ②	CL. 13 EX. CY ②
1916+69.68	1950+00.00	8.0	247
1958+50.00	1969+02.49	4.0	41

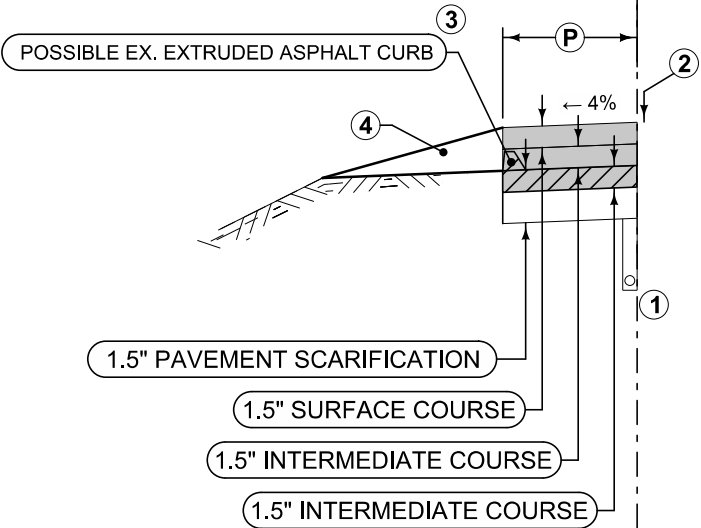
3R_MillingOverlay_04-19-11				
STATION TO STATION		(C) Feet	(L) Feet	(R) Feet
1916+69.68	1972+97.49	24.0	12.0	12.0

3R_Shldr_C_Milling_04-19-11			
STATION TO STATION		(P) Feet ②	CL. 13 EX. 13 ②
1916+69.68	1949+00.00	8.0	240
1954+00.00	1969+02.49	4.0	56

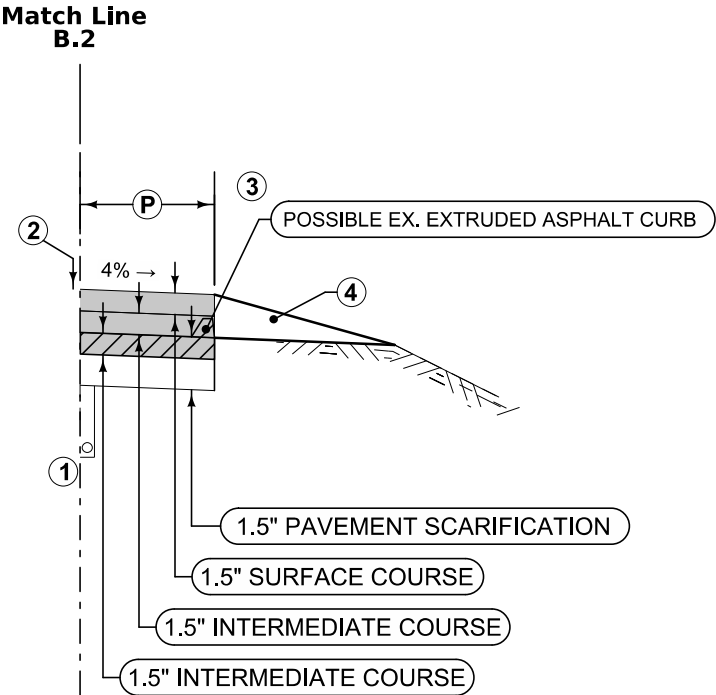
HMA RESURFACING

PAVEMENT MILLING

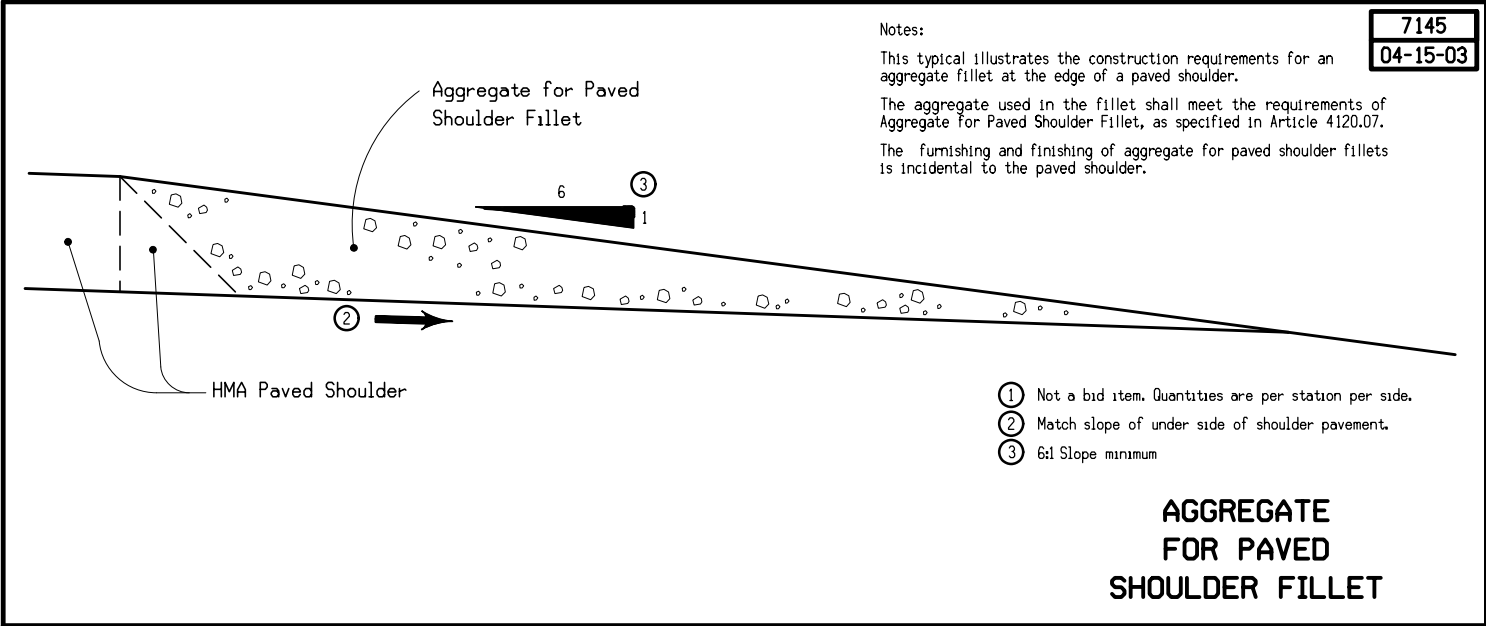
- ① POSSIBLE SUBDRAIN.
SEE TABULATION FOR LOCATION DETAILS
- ② PLACEMENT OF PAVEMENT MARKING EDGELINES
- ③ REMOVAL OF EXISTING ASPHALT EXTRUDED CURB
SHALL BE INCIDENTAL TO PAVEMENT
SCARIFICATION
- ④ CL. 10, WASTE, AND TOPSOIL, FURNISH AND
SPREAD IN AREAS WHERE 8.0' PAVED SHOULDERS
OTHERWISE SEE TYP. DETAIL 7145.
MATCH EXISTING FORESLOPE.

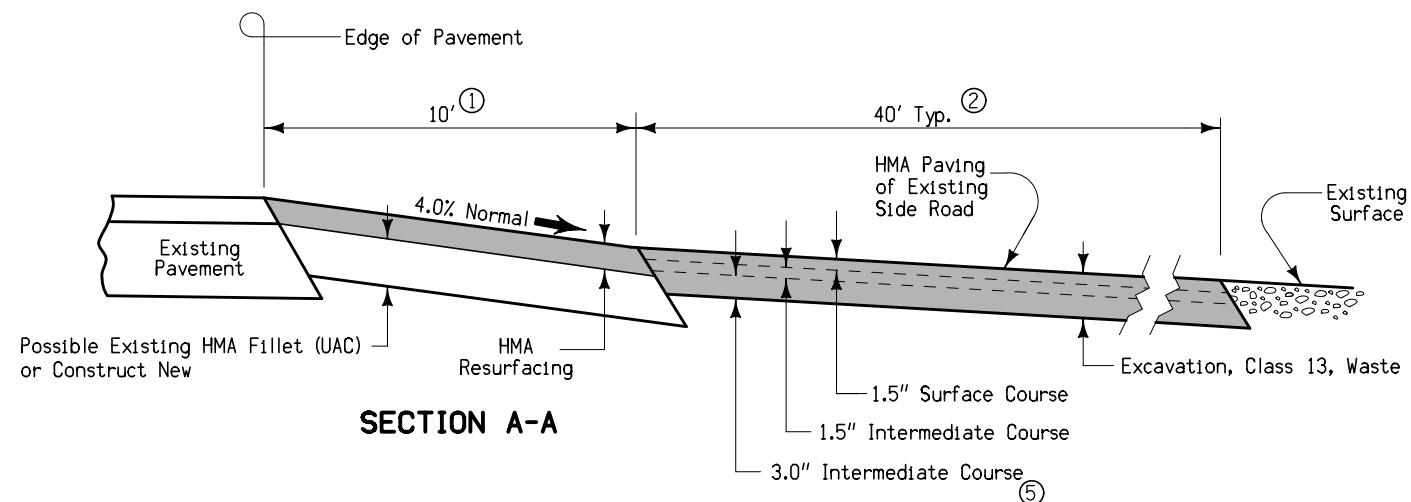
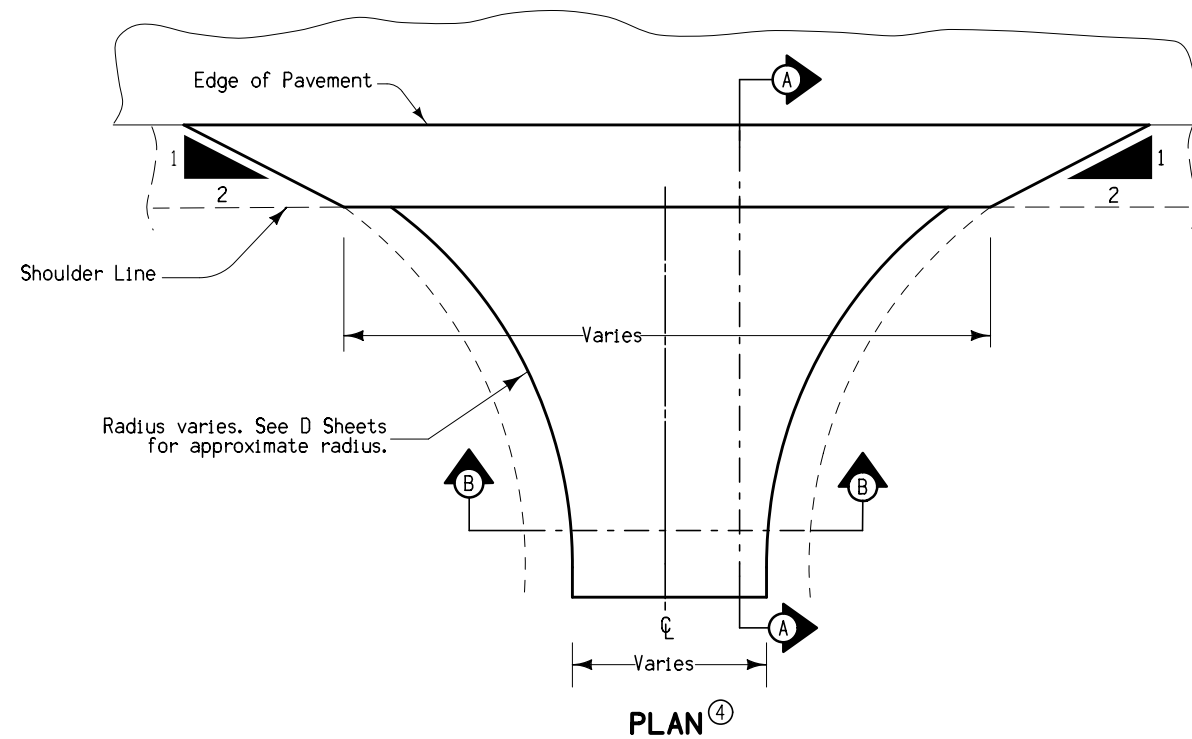
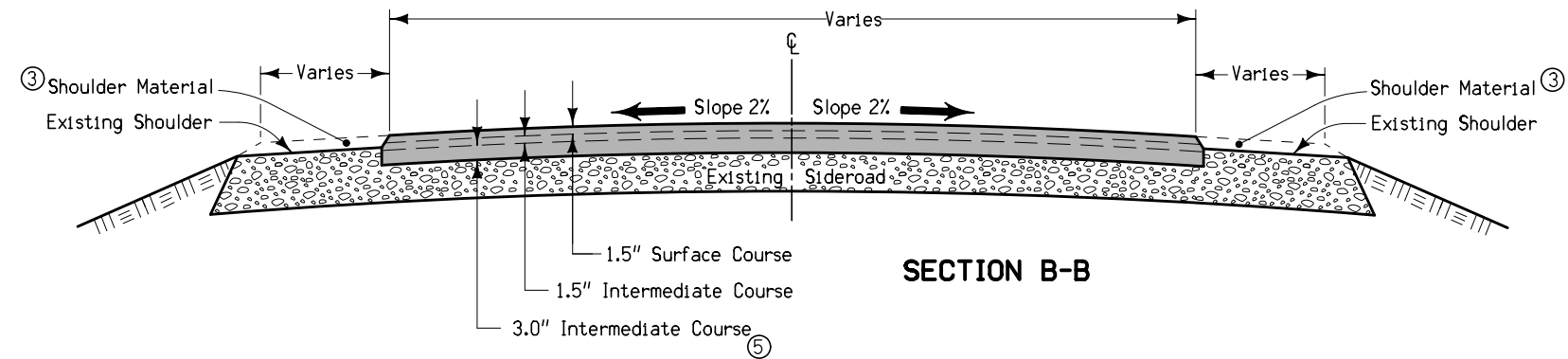


3R_Shldr_Milling-Resurf. Modified			
STATION TO STATION		Ⓟ Feet	PAVEMENT SCARIFICATION SY ②
1950+00.00	1958+50	8.0	756
1969+02.49	1972+97.49	8.0	351



3R_Shldr_Milling-Resurf. Modified			
STATION TO STATION		Ⓟ Feet	PAVEMENT SCARIFICATION SY ②
1949+00.00	1954+00.00	8.0	445
1969+02.49	1972+97.49	8.0	351



[illegible]

NOTES:

- ① Quantities in STP-062-1(031)--2C-49, Division 1.
- ② Quantities in STP-062-1(031)--2C-49, Division 3.
- ③ Quantity included in bid item for Granular Shoulder, Type B.
- ④ Dimensions shall be adjusted by the engineer to fit existing conditions.
- ⑤ Bottom 3" Intermediate Course can be omitted on existing paved side roads.

DETAIL SHEET

EXTENDED PAVED FILLETS FOR SIDEROADS

ESTIMATED PROJECT QUANTITIES AND REFERENCE NOTES

Division 1 : Iowa DOT 3R Funding
Division 2 : HSIPX Funding
Division 3 : Jackson County Funding

Item no.	Item Code	Item	Unit	Quantities				Estimate Reference Notes
				Estimated				
				Division 1	Division 2	Division 3	Total	
1	2101-0850002	CLEARING AND GRUBBING	UNIT	1,250.6			1,250.6	
2	2102-2710090	EXCAVATION, CLASS 10, WASTE	CY	725			725	Item is for removal of existing earth material adjacent to full-width paved shoulders between Sta. 1916+69.68 and 1958+50. Quantity estimated at 5 ft width by 6 in. depth by total length Lt and Rt of 7,810 LF Dispose of excess material according to Article 1106.07 of the current specifications.
3	2102-2713090	EXCAVATION, CLASS 13, WASTE	CY			328	328	Dispose of excess material according to Article 1106.07 of the current specifications.
4	2105-8425005	TOPSOIL, FURNISH AND SPREAD	CY	725			725	Refer to Tab. 103-10 Item is for furnishing and placement of topsoil material adjacent to full-width paved shoulders between Sta. 1916+69.68 and 1958+50. Quantity estimated at 5 ft width by 6 in. depth by total length Lt and Rt of 7,810 LF
5	2121-7425020	GRANULAR SHOULDERS, TYPE B	TON	4,900			4,900	Refer to Typical 7145 and Tabulation 112-9.
6	2212-0475095	CLEANING AND PREPARATION OF BASE	MILE	1.07			1.07	This bid item includes: ____ miles of ramps ____ miles of two lane roadway ____ miles of NB/EB four lane roadway ____ miles of SB/WB four lane roadway ____ miles total
7	2212-5075001	HOT MIX ASPHALT SURFACE PATCHES	TON	20			20	
8	2213-2713300	EXCAVATION, CLASS 13, FOR WIDENING	CY	543	5,065		5,608	Refer to Note (A) on Tab. 106-05 - Sheet C.16 and the typical sections on B.1-2 Refer to paved fillet details on B.5, Note (B) Tab 106-05 - Sheet C.16, and the typical sections on Sheet B.1-2
9	2213-8200000	BASE WIDENING, HOT MIX ASPHALT MIXTURE	TON	517	780		1,297	5% has been added to account for irregularities or other variances.

Item no.	Item Code	Item	Unit	Quantities				Estimate Reference Notes
				Estimated				
				Division 1	Division 2	Division 3	Total	
10	2214-5145150	PAVEMENT SCARIFICATION, NOMINAL THICKNESS	SY	1,902			1,902	5% has been added to account for irregularities or other variances.
11	2303-1032500	HOT MIX ASPHALT STANDARD TRAFFIC, INTERMEDIATE COURSE, 1/2 IN. MIX	TON	13,777	4,153	175	18,105	
12	2303-1033504	HOT MIX ASPHALT STANDARD TRAFFIC, SURFACE COURSE, 1/2 IN. MIX, FRICTION L-4	TON	14,061	4,289	181	18,531	
13	2303-1258283	ASPHALT BINDER, PG 58-28S, STANDARD TRAFFIC	TON	1,670	507	21	2,198	
14	2303-6911000	HOT MIX ASPHALT PAVEMENT SAMPLES	LS	1			1	
15	2303-7000610	PAYMENT ADJUSTMENT INCENTIVE/DISINCENTIVE FOR HMA MIXTURE LABORATORY VOIDS (FORMULA - BY PAY FACTOR)	EACH	27,838	4,185		32,023	
16	2303-7000620	PAYMENT ADJUSTMENT INCENTIVE/DISINCENTIVE FOR HMA MIXTURE FIELD VOIDS (FORMULA - BY PAY FACTOR)	EACH	27,838	4,322		32,160	
17	2306-1000000	ASPHALT EMULSION FOR FOG SEAL (PAVEMENT)	GAL	35			35	
18	2317-7000120	PAYMENT ADJUSTMENT INCENTIVE/DISINCENTIVE FOR HMA PAVEMENT SMOOTHNESS (BY SCHEDULE)	EACH	35,443			35,443	
19	2318-1001100	COLD IN-PLACE RECYCLED ASPHALT PAVEMENT	SY	132,672	42,808		175,480	
20	2318-1001220	ASPHALT STABILIZING AGENT (FOAMED ASPHALT)	TON	460	148		608	5% has been added to account for irregularities or other variances.
21	2502-8212034	SUBDRAIN, LONGITUDINAL, (SHOULDER) 4 IN. DIA.	LF	99,246			99,246	
22	2502-8221306	SUBDRAIN OUTLET, DR-306	EACH	382			382	
23	2520-3350015	FIELD OFFICE	EACH	1			1	
24	2527-9263209	PAINTED PAVEMENT MARKINGS, WATERBORNE OR SOLVENT-BASED	STA	7,076			7,076	
25	2527-9270112	GROOVES CUT FOR PAVEMENT MARKINGS	STA	1,770			1,770	
26	2528-8445110	TRAFFIC CONTROL	LS	1			1	Refer to Traffic Control Plan on sheet
27	2528-8445113	FLAGGERS	EACH	0			0	See Proposal.
28	2528-8445115	PILOT CARS	EACH	0			0	See Proposal.
29	2528-8445116	FLAGGER WITH AFAD	EACH	0			0	See Proposal.

Item no.	Item Code	Item	Unit	Quantities				Estimate Reference Notes
				Estimated				
				Division 1	Division 2	Division 3	Total	
30	2529-2242304	CD JOINT ASSEMBLY	EACH	2			2	Refer to Tab. 102-6C on Sheet C.10
31	2529-5070110	PATCHES, FULL-DEPTH FINISH, BY AREA	SY	95			95	
32	2529-5070120	PATCHES, FULL-DEPTH FINISH, BY COUNT	EACH	1			1	
33	2533-4980005	MOBILIZATION	LS	1			1	
34	2548-0000100	MILLED SHOULDER RUMBLE STRIPS, HMA SURFACE	STA		1,108		1,108	
35	2548-0000110	ASPHALT EMULSION FOR FOG SEAL (SHOULDER RUMBLE STRIPS)	GAL		1,200		1,200	
36	2548-0000310	MILLED CENTERLINE RUMBLE STRIPS, HMA SURFACE	STA	554			554	
37	2601-2634100	MULCHING	ACRE	2			2	Perform mulching according to Article 2601.03, E, 2, of the Standard Specifications. Anchor mulch into the soil using mulch anchoring equipment with a minimum of two passes. Item is included for areas requiring reshaping and seedbed preparation. Use mulch that is Certified Noxious Weed Seed Free Mulch as certified by the Iowa Crop Improvement Association or adjacent states Crop Improvement Association. Mulch Rate: 1 1/2 tons of dry cereal straw or native grass straw per acre. MULCHING
38	2601-2636043	SEEDING AND FERTILIZING (RURAL)	ACRE	1			1	
39	2601-2642100	STABILIZING CROP - SEEDING AND FERTILIZING	ACRE	1			1	Item is included for disturbed areas. Seed and fertilize all disturbed areas according to Article 2601.03, C, 1, of the Standard Specifications.
40	2601-3000201	HERBICIDE APPLICATION, CUT STUMP	EACH	235			235	
41	2602-0000312	PERIMETER AND SLOPE SEDIMENT CONTROL DEVICE, 12 IN. DIA.	LF	10,000			10,000	Refer to Tab. 100-19. The tabulation includes estimated locations for placement of "Perimeter and Slope Sediment Control Device, 12 in. dia." to address erosion to be encountered during construction. Verify the specific locations with the Engineer prior to beginning placement. Bid item includes 25% additional quantity for field adjustments and replacements.
42	2602-0000351	REMOVAL OF PERIMETER AND SLOPE OR DITCH CHECK SEDIMENT CONTROL DEVICE	LF	10,000			10,000	
43	2602-0010010	MOBILIZATIONS, EROSION CONTROL	EACH	1			1	
44	2602-0010020	MOBILIZATIONS, EMERGENCY EROSION CONTROL	EACH	1			1	

Item no.	Item Code	Item	Unit	Quantities				Estimate Reference Notes
				Estimated				
				Division 1	Division 2	Division 3	Total	

100_01D 8/15/22 PROJECT DESCRIPTION This project is located on Iowa 62 in Jackson County, from the city of Andrew to Bellevue. This work includes: Longitudinal Subdrain Cold-In-Place Pavement Recycling HMA Paved Shoulders Milled Centerline and Shoulder Rumble Strips Extended Paved Fillets of County Sideroads Pavement Markings Division 1 is for STP-062-1(031)--2C-49, Iowa DOT 3R funding. This work includes Cold-in-Place Pavement Recycling, Longitudinal Subdrain, HMA Resurfacing, and Pavement Markings. Division 2 is for HSIPX-061-1(032)--3L-49, Highway Safety Improvement funding. This work includes construction of HMA base widening from CIPR material, HMA surfacing of base widening, and milled centerline and shoulder rumble strips. Division 3 is for Jackson County, Non-Participating items. This work includes construction of extended paved fillets at 9 county sideroad locations.
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232_03A 9/28/22 EROSION CONTROL (RURAL SEEDING) Area to be seeded is estimated to be less than 1 acre. If the contractor determines the area exceeds 2 acres, notify the Engineer. Approved quantity in excess of 2 acres will be paid for as extra work according to Article 1109.03,B of the Standard Specifications. Following the completion of work in a disturbed area and according to the seeding dates in Section 2601 of the Standard Specifications, place seed, fertilizer, and mulch on the disturbed area lying 8 feet adjacent to shoulder and median as follows: Place seed and fertilize according to the requirements of Article 2601.03,C,3 and Section 4169 of the Standard Specifications. Place mulch according to the requirements of Articles 2601.03,E,2,a and 4169.07,A of the Standard Specifications. Preparing the seedbed, furnishing and applying seed, fertilizer, and mulch are all incidental to mobilization and will not be paid for separately.
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262_06 9/28/22 UTILITIES (NOT A POINT 25 PROJECT) This is NOT a POINT 25 project and is not subject to the provisions of IAC 761-115.25.
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232_11 6/21/23 EROSION CONTROL (STABILIZING CROP SEEDING) Area to be seeded is estimated to be less than 1 acre. If the contractor determines the area exceeds 2 acres, notify the Engineer. Approved quantity in excess of 2 acres will be paid for as extra work according to Article 1109.03,B of the Standard Specifications. If outside of permanent seeding dates in Section 2601 of the Standard Specifications, or if required by a storm water permit, place stabilizing crop, fertilizer, and mulch on the disturbed area as follows: Place seed and fertilize according to the requirements of Article 2601.03,C,1 and Section 4169 of the Standard Specifications. Place mulch according to the requirements of Articles 2601.03,E,2,a and 4169.07,A of the Standard Specifications. Preparing the seedbed, furnishing and applying seed, fertilizer, and mulch are incidental to mobilization and will will not be paid for separately.
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231_02 3/14/24 HERBICIDE For all herbicide applications, the following provisions shall apply. 1. Follow all laws, rules and regulations related to the handling of pesticides, including but not limited to: a. Follow all herbicide label directions, restrictions, and precautions. b. The company responsible for the herbicide applicator must be licensed with Iowa Department of Agriculture and Land Stewardship (IDALS) as a commercial pesticide applicator company. c. The person applying the herbicide must be certified through IDALS as a pesticide applicator in Category 6, Right-of-Way. For herbicide applications that require an aquatic certification, the applicator must also be certified as a pesticide applicator in Category 5, Aquatics. d. Use herbicide and adjuvant products labeled for the application site: i. For applications on the primary highway right-of-way, use only products labeled for use on highway rights-of-way or roadsides. ii. For applications to or over water, use only products labeled for corresponding use in aquatic sites, unless intermittent pockets of standing water, such as tire ruts, and the product is labeled for such use. iii. For applications to areas in the water conveyance portion of the ditch that do not contain water at the time of application, use only products labeled for non-irrigation ditch banks or aquatic sites. e. Do not apply any herbicide to or over standing or flowing water unless required coverage is obtained under a National Pollutant Discharge and Elimination System (NPDES) Pesticide Discharge Permit through Iowa DNR. If standing or flowing water is encountered in areas when they need to be sprayed, notify Iowa DOT (Roadside Development) to determine required coverage. 2. Schedule work according to weather conditions and take measures to avoid off-target damage, such as runoff, leaching, drift and volatilization. a. Do not spray herbicide 24 hours prior to forecast precipitation that is expected to cause significant runoff conditions. b. For areas with saturated soil, such as ditch bottoms, do not spray herbicide 24 hours prior to forecast precipitation, unless using products labeled for aquatic sites. c. For conventional applications, avoid applications when wind speed exceeds 10 mph. For invert applications, avoid applications when wind speed exceeds 15 mph. d. For conventional foliar applications, use a drift retardant and maintain drift control throughout the application period by adding more to the tank as it breaks down from agitation. e. Avoid spraying volatile products when temperatures are forecast to exceed 85° F within 3 days. f. Check the IDALS Sensitive Crops Directory and do not spray adjacent to a listed operation when wind is blowing towards it. 3. Respond to allegations of any off-target damage attributed to handling and spraying of herbicide. 4. Provide the following documents to the Engineer for approval not less than 2 weeks prior to the application. a. A copy of the herbicide and adjuvant labels, including any applicable supplemental labels. b. A copy of the herbicide and adjuvant Material Safety Data Sheets (MSDS.) 5. Have copies of the herbicide and adjuvant labels and MSDSs on-hand and at locations of storage, transport, and application. 6. Schedule work to maximize efficiency of the herbicide application in relation to weather conditions and plant growth stage. Follow any label recommendations given as “for best results.” a. For weed applications: i. To determine if weeds are “actively growing,” use as

231_02 3/14/24 HERBICIDE a guideline that there needs to have been at least 1 hour of temperature above 65° F and 1 hour of sun in the day prior to, of, or forecast before a rain the day after the application. ii. For spring applications to thistles, apply after basal leaves of Canada thistles are fully extended, and after rosettes of musk thistle are at least 8 inches diameter, but before flower stage. iii. For fall applications to thistles, apply prior to the second hard freeze of 28° F, unless otherwise listed in the label directions. b. For tree and brush applications: i. For foliar applications and cut stump/surface applications with water-soluble products, apply after leaves are fully opened in the spring and prior to leaf discoloration in the fall. ii. For cut stump applications with oil soluble products, do not apply during periods of heavy sap flow. Use as a guideline that heavy sap flow occurs in late winter to early spring when nighttime temperatures below 32° F are followed by daytime temperatures above 32° F with sunny conditions. iii. For cut stump and basal bark applications, add sufficient dye so that treated areas are visible to inspection 7 days after application. 7. Notify the Engineer prior to calibrating, mixing and applying herbicides, including incidental items. 8. Provide copies of daily spray logs to the RCE at the end of each week of spraying (form provided by Iowa DOT). 9. If Contractor does not complete spray item on schedule, the Engineer may adjust the schedule.
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111_25
10/20/26

INDEX OF TABULATIONS

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24.0			
25.0			
26.0			
27.0			
28.0			
29.0			
30.0			

105_04
10/20/26

STANDARDS

The following Standards apply to construction work on this project.

Number	Date	Title
DR-303	10-17-17	Subdrains (Longitudinal)
DR-306	10-17-23	Precast Concrete Headwall for Subdrain Outlets
EC-204	10-19-21	Perimeter, Slope and Ditch Check Sediment Control Devices
PM-110	10-15-24	Line Types
PM-115	10-20-26	Grooving for Line Types
PM-420	10-20-26	Two-Lane Roadway with no Turn Lanes (One-Way Stop Condition)
PM-520	10-20-26	Two-Lane Roadway with no Turn Lanes (Two-Way Stop Condition)
PR-103	10-21-25	Full Depth PCC Patch with Dowels
PR-109	10-15-24	Cross Stitching of PCC Pavement
PR-201	04-21-26	Runouts for Resurfacing
PR-202	10-21-14	Notches for Resurfacing (with or without Runout)
PV-12	10-20-26	Milled Shoulder Rumble Strips
PV-13	10-20-26	Milled Centerline Rumble Strips
PV-101	10-20-26	Joints
TC-1	10-15-19	Work Not Affecting Traffic (Two-Lane or Multi-Lane)
TC-202	04-18-23	Work Within 15 ft of Traveled Way
TC-213	04-18-23	Lane Closure with Flaggers
TC-214	04-18-23	Lane Closure with Flaggers for use with Pilot Car
TC-218	04-18-23	Lane Closure with Pilot Car and Flagger Operated Signals

110_17 1/27/25																						
CLEARING AND GRUBBING																						
Begin Ref. Location Sign	End Ref. Location Sign	Direction of Traffic	Work and Material Type	>3"-6"	>6"-9"	>9"-12"	>12"-15"	>15"-18"	>18"-24"	>24"-30"	>30"-36"	>36"-42"	>42"-48"	>48"-60"	>60"-72"	>72"	Other Materials Length (FT)	Other Materials Width (FT)	Estimated Units	Estimated Area (Acres)	Estimated Herbicide Application (EA)	Remarks
8.0	18.5		Trees - Clearing	30	30	50	43	36	20	10	8	4	1	2	1				1250.6		235	(A)
Total																			0			

Notes:
(A) Trees in these areas will be marked by the Engineer and Maquoketa Maintenance Garage with an orange "X" on the trees that are to be removed in the selective areas.

Bid Item Quantities:
Clearing and Grubbing - 1,250.6 Units
Herbicide Application, Cut Stump - 235 EA

County	Route	Direction of Travel	Begin Ref. Location Sign	End Ref. Location Sign	Year	Type	Project Number	Surface Type	Surface Depth (IN)	Base Type	Base Depth (IN)	Subbase Type	Subbase Depth (IN)	Removal Type	Removal Depth (IN)	Coarse Aggregate Source	Coarse Aggregate Type	Course Aggregate Durability Class	Reinforcement Type	Remarks
Jackson	IA-62	Both	7.73	17.37	2018	M	STPN-062-1(22)--2J-49	SS												
Jackson	IA-62	Both	7.73	17.37	2017	M	MP-062-6(705)8--76-49													HMA Crack Filling
Jackson	IA-62	Both	7.73	17.37	2015		STPN-062-1(20)--2J-49	BSC												
Jackson	IA-62	Both	7.73	17.37	1997		STPN-62-1(16)--2J-49	AAC	2.0							BELLEVUE	C.LST.			
Jackson	IA-62	Both	7.73	17.37	1971		FN-62-1(6)--21-49	AAC	1.0	AAC	2.0					ANDREW	C.LST.			
Jackson	IA-62	Both	7.73	17.37	1962		F-999(1) & F-144(3	BAC	3.0	RSB	12.0	SAS	6.0			FELDERMAN	C.LST.			
Jackson	IA-62	Both	17.37	18.85	2017	M	MP-062-6(705)8--76-49													HMA Crack Filling
Jackson	IA-62	Both	17.37	18.85	1976		FN-62-1(4)--21-49	PCC	8.0							BELLEVUE	GRAVEL	I		

Line No.	Route No.	Location	Year Placed	Layer	Thickness	Asphalt Binder Grade	Asphalt Binder Content	Description	Quality Type	Size	Content	% of -4 that is Type 2	% of +4 that is Type 2	% of +4 that is Type 3	% of +4 that is Type 4	% Crushed	% Limestone
1.0																	
2.0	62	MP 7.73-17.37	1997	Surface	2.0	PG58 -28S	5.7	St Surface	A	1/2	65.0				96.6	65.0	
3.0	62	MP 7.73-17.37	1971	Surface	1.0	85-100 Pen	6.3	St Surface	A	3/8	65.0				95.9	65.0	
4.0	62	MP 7.73-17.37	1971	Base	2.0	85-100 Pen	5.0	ST Base	A	3/4	70.0				98.5	70.0	
5.0	62	MP 7.73-17.37	1962	Surface	3.0	88 pen	6.0	St Surface	A	3/4	85.0					85.0	
6.0																	

Line No.	Count	Station	Reference Location Sign	Direction of Travel	Side	Length (FT)	Width (FT)	Patch Thickness (IN)	Patch Repair or Finish	PCC Patch Type	PCC Patch Quantity (SY)	HMA Patches (SY)	Composite HMA (TON)	Subbase Patches (PR-140) (SY)	Subbase Patch with 'EF' Joint (PR-101) (SY)	Patch Subdrain PR-101 or PR-140 (No.)	'CD' Joints (No.)	'CT' Joints (No.)	'EF' Joints PR-101 (No.)	Anchor Lugs Removal (No.)	Remarks
1.0																					
2.0	1		18.643	2-Lane	Left	6.0	12.0	8.0	Finish	PCC With Dowels (PR-103)	8.0										
3.0	1		18.543	2-Lane	Left	10.0	12.0	8.0	Finish	PCC With Dowels (PR-103)	13.0			13.3							
4.0	1		18.416	2-Lane	Left	6.0	12.0	8.0	Finish	PCC With Dowels (PR-103)	8.0										
5.0	1		18.317	2-Lane	Left	6.0	12.0	8.0	Finish	PCC With Dowels (PR-103)	8.0										
6.0	1		18.163	2-Lane	Left	6.0	12.0	8.0	Finish	PCC With Dowels (PR-103)	8.0										
7.0	1		18.143	2-Lane	Left	6.0	12.0	8.0	Finish	PCC With Dowels (PR-103)	8.0										
8.0	1		18.023	2-Lane	Left	6.0	12.0	8.0	Finish	PCC With Dowels (PR-103)	8.0										
9.0																					
10.0	1		18.643	2-Lane	Right	6.0	12.0	8.0	Finish	PCC With Dowels (PR-103)	8.0										
11.0	1		18.328	2-Lane	Right	20.0	4.0	8.0	Finish	PCC With Dowels (PR-103)	9.0			8.9			1				
12.0	1		18.317	2-Lane	Right	6.0	12.0	8.0	Finish	PCC With Dowels (PR-103)	8.0										
13.0	1		18.315	2-Lane	Right	20.0	4.0	8.0	Finish	PCC With Dowels (PR-103)	9.0						1				
14.0																					
15.0																					
Total											95.0			22.2			2				

Bid Item Quantities:
Division 1 - Iowa DOT 3R Funding
CD Joint Assembly - 2 EA
Patches, Full-Depth Finish, By Area - 95 SY
Patches, Full-Depth Finish, By Count - 11 EA

102_16
11/1/24

NOTCHES AND RUNOUTS FOR RESURFACING

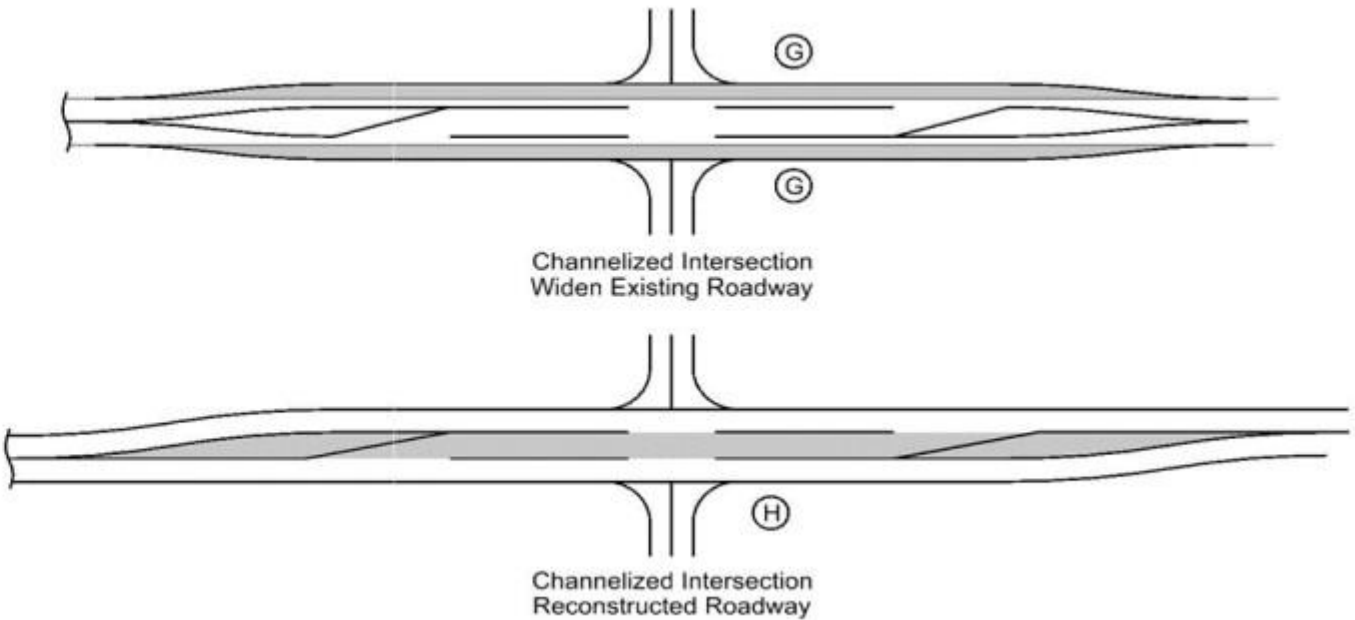
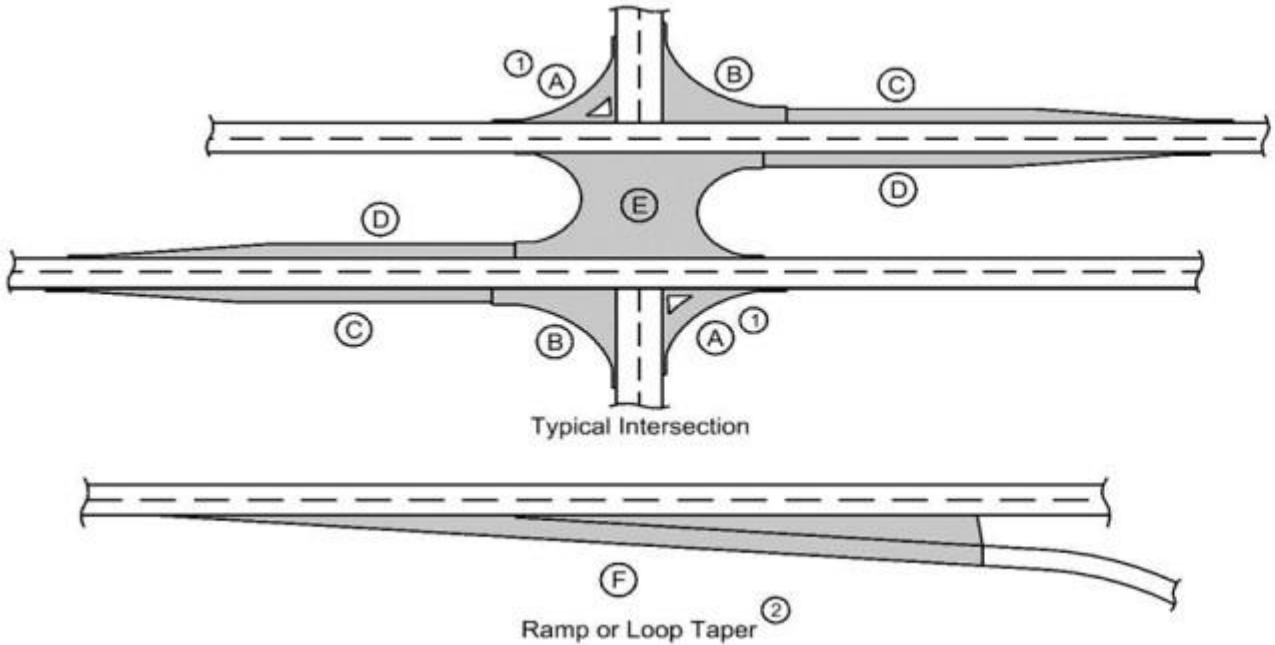
Refer to PR-201 and PR-202.

(1) Bid item. Applies only to Types 'N1' and 'N3' on PR-202. Refer to 100-25 for remaining values.

Line No.	Station	Type of Notch or Runout	S (IN)	I (IN)	DI (IN)	L (FT)	M (IN)	Pavement Scarification (SY) (1)	Remarks
3.0	419+19.90	Type N5	1.5	1.5		150.0			
4.0	510+67.29	Type N5	1.5	1.5		150.0			
5.0	513+48.63	Type N5	1.5	1.5		150.0			
6.0	1916+69.30	Type R6	1.5	1.5		150.0			
7.0	1972+97.10	Type N3	1.5	1.5		150.0	1.5	533.0	

Bid Item Quantities:
Pavement Scarification - 533 SY

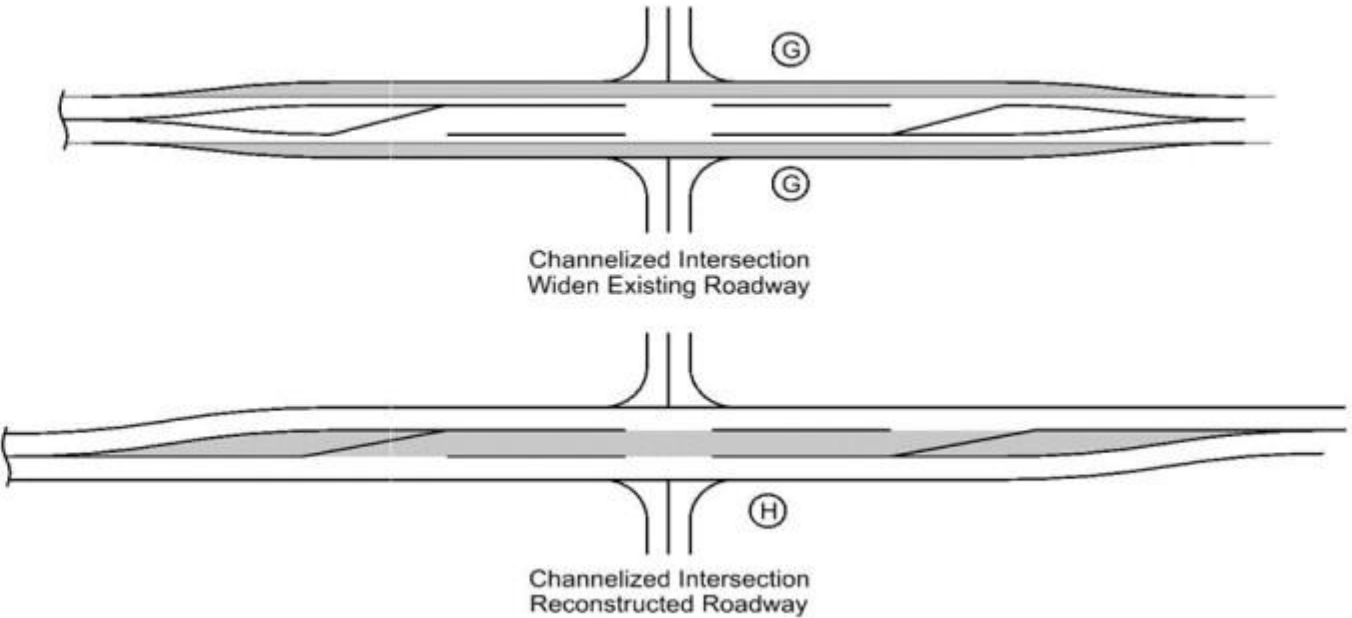
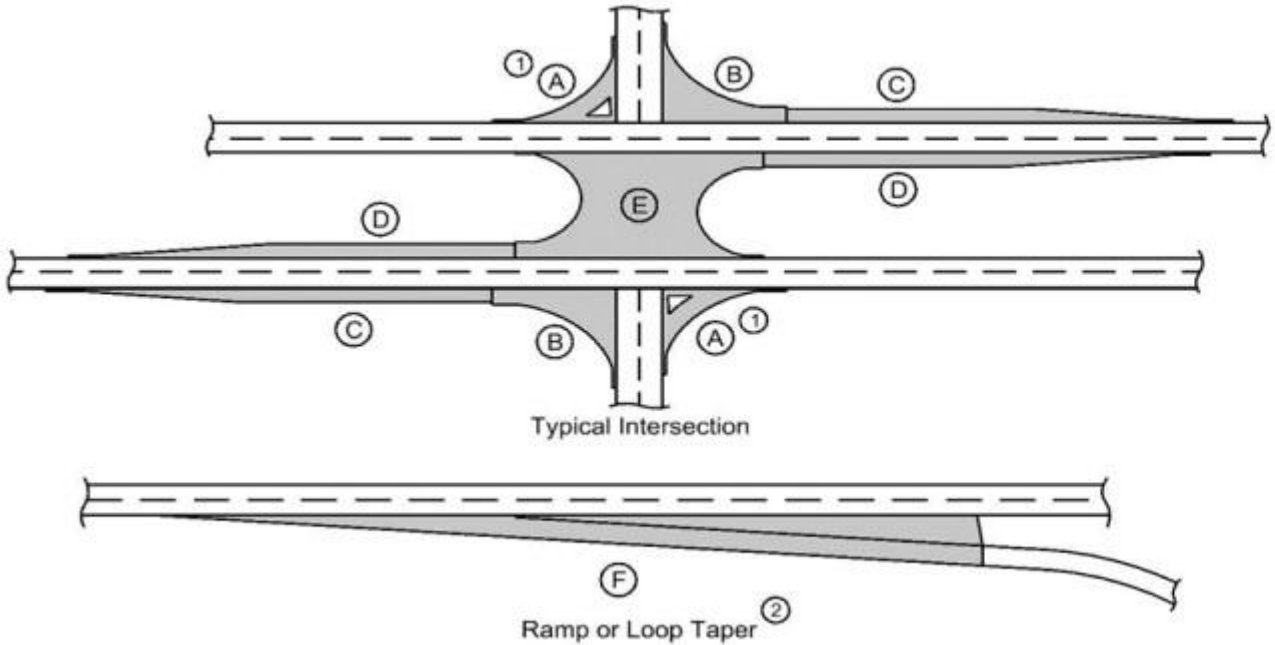
HMA PAVEMENT



(1) Does not include raised island area or curb. Refer to tabulation 112-4 for quantities.
(2) Refer to PV-410, PV-411, PV-412, and PV-414.
(3) Quantity includes Pavement Header.

Road Identification	Direction of Travel	Station From	Station To	Width (FT)	Length (FT)	Area (SY)	Area A(1) (SY)(3)	Area B (SY)(3)	Area C (SY)(3)	Area D (SY)(3)	Area E(2) (SY)(3)	Area F (SY)(3)	Area G (SY)(3)	Area H (SY)(3)	Total Area (SY)	Surface Course Unit Weight (lbs-cf)	Intermediate Course Unit Weight (lbs-cf)	Pavement Thickness Surface (IN)	Pavement Thickness Intermediate (IN)	HMA Pavement Surface (TONS)	HMA Pavement Intermediate (TONS)	CIPR (SY)	Binder Surface (TONS)	Binder Intermediate (TONS)	Foamed Asphalt (TON)	Pavement Scarification (SY)	Remarks
IA 62	EB/WB	419+19.90	911+76.73	24.0	49256.83	131352.00									131352.00	155	150	1.5	1.5	11452.000	11083.000	131352.00	687.000	665.000	433.460		(A)
IA 62	EB/WB	1911+74.70	1916+69.80	24.0	495.10	1320.00									1320.00	155	150	1.5	1.5	115.000	111.000	1320.00	7.000	7.000	4.360		(A)
IA 62	EB/WB	1916+69.80	1972+97.49	24.0	5627.69	15007.00									15007.00	155	150	1.5	1.5	1308.000	1266.000		78.000	76.000			(A)
IA 62	EB	419+19.98	420+22.18	4.0	102.20	45.00									45.00	155	150	1.5	1.5	4.000	4.000	45.00	1.000	1.000	0.150		(B)
IA 62	EB	421+92.05	507+17.29	4.0	8525.24	3789.00									3789.00	155	150	1.5	1.5	330.000	320.000	3789.00	20.000	19.000	12.500		(B)
IA 62	EB	516+98.63	583+76.14	4.0	6677.51	2968.00									2968.00	155	150	1.5	1.5	259.000	250.000	2968.00	16.000	15.000	9.790		(B)
IA 62	EB	585+06.86	704+43.84	4.0	11936.98	5305.00									5305.00	155	150	1.5	1.5	463.000	448.000	5305.00	28.000	27.000	17.510		(B)
IA 62	EB	706+33.97	776+22.88	4.0	6988.91	3106.00									3106.00	155	150	1.5	1.5	271.000	262.000	3106.00	16.000	16.000	10.250		(B)
IA 62	EB	777+55.43	824+53.18	4.0	4697.75	2088.00									2088.00	155	150	1.5	1.5	182.000	176.000	2088.00	11.000	11.000	6.890		(B)
IA 62	EB	826+03.96	911+76.91	4.0	8572.95	3810.00									3810.00	155	150	1.5	1.5	332.000	321.000	3810.00	20.000	19.000	12.570		(B)
IA 62	EB	1911+74.70	1916+69.68	4.0	494.98	220.00									220.00	155	150	1.5	1.5	19.000	19.000	220.00	1.000	1.000	0.730		(B)
IA 62	EB	1916+69.68	1949+00.00	4.0	3230.32	1436.00									1436.00	155	150	1.5	1.5	125.000	121.000		8.000	7.000			(B)
IA 62	EB	1916+69.68	1949+00.00	4.0	3230.32	1436.00									1436.00	155	150	1.5	1.5	125.000	121.000		8.000	7.000			(A)
IA 62	EB	1949+00.00	1954+00.00	8.0	500.00	444.00									444.00	155	150	1.5	3.0	39.000	75.000		2.000	5.000		444.00	(A)
IA 62	EB	1954+00.00	1969+04.49	4.0	1504.49	668.00									668.00	155	150	1.5	1.5	58.000	56.000		3.000	3.000			(B)

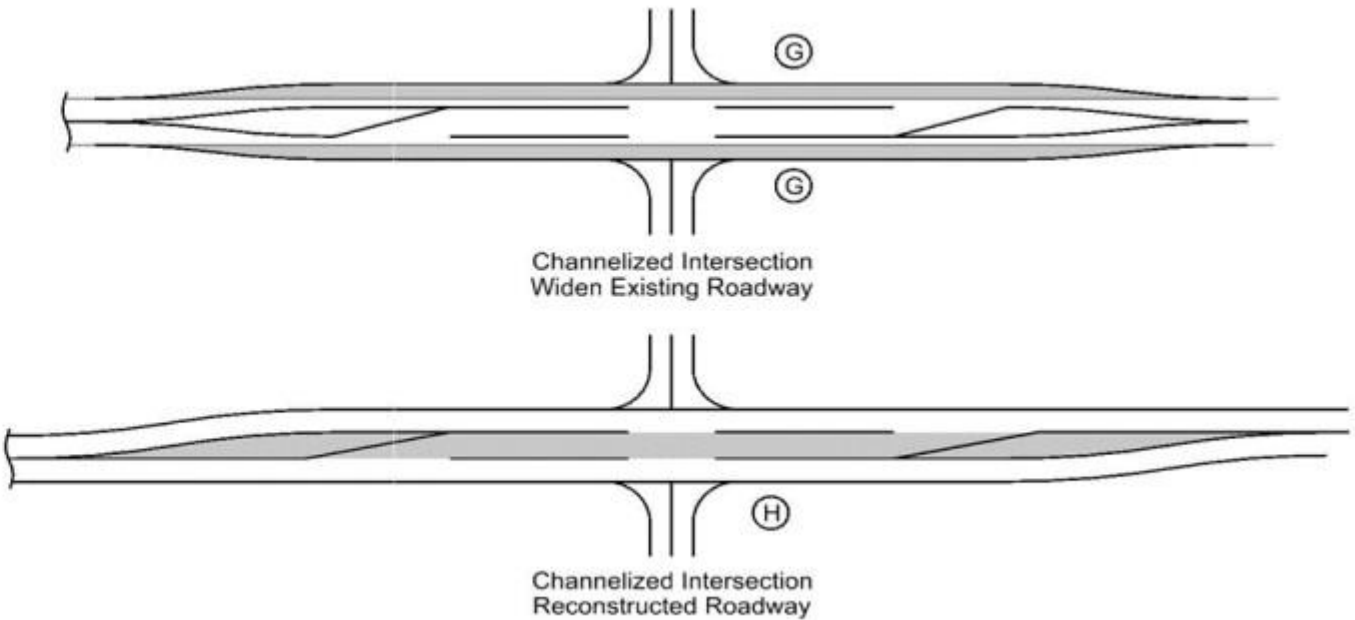
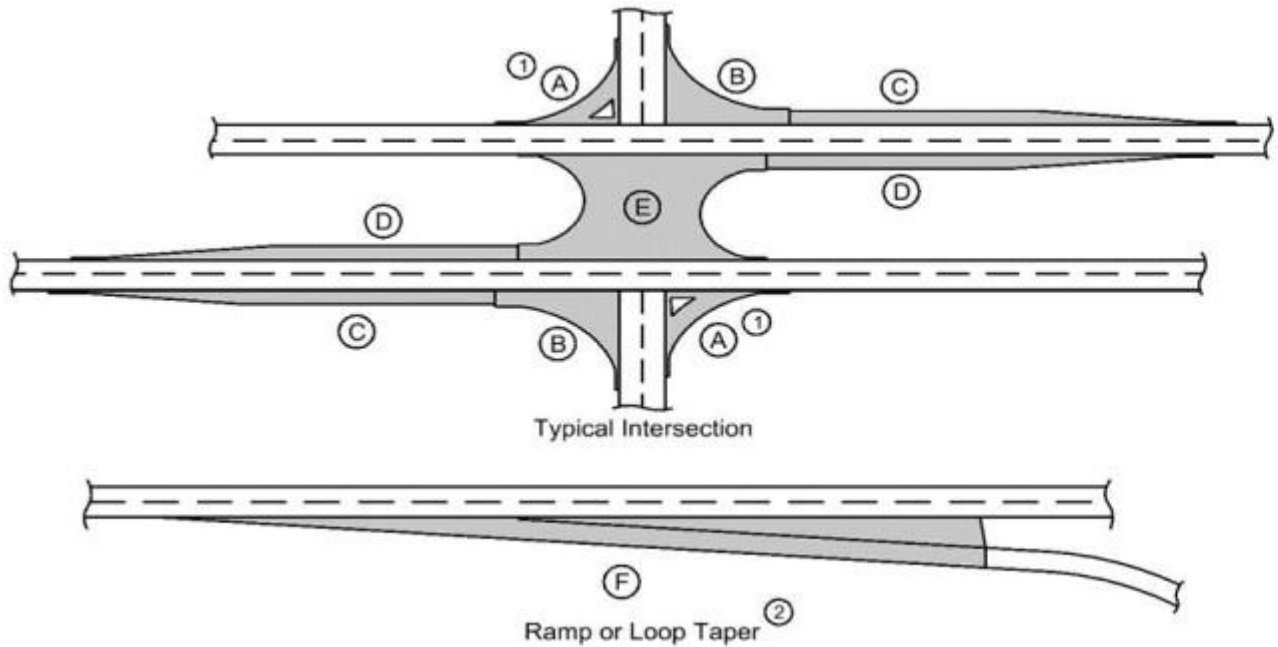
HMA PAVEMENT



(1) Does not include raised island area or curb. Refer to tabulation 112-4 for quantities.
(2) Refer to PV-410, PV-411, PV-412, and PV-414.
(3) Quantity includes Pavement Header.

Road Identification	Direction of Travel	Station From	Station To	Width (FT)	Length (FT)	Area (SY)	Area A(1) (SY)(3)	Area B (SY)(3)	Area C (SY)(3)	Area D (SY)(3)	Area E(2) (SY)(3)	Area F (SY)(3)	Area G (SY)(3)	Area H (SY)(3)	Total Area (SY)	Surface Course Unit Weight (lbs-cf)	Intermediate Course Unit Weight (lbs-cf)	Pavement Thickness Surface (IN)	Pavement Thickness Intermediate (IN)	HMA Pavement Surface (TONS)	HMA Pavement Intermediate (TONS)	CIPR (SY)	Binder Surface (TONS)	Binder Intermediate (TONS)	Foamed Asphalt (TON)	Pavement Scarification (SY)	Remarks
IA 62	EB	1969+02.49	1972+97.49	8.0	395.00	351.00									351.00	155	150	1.5	3.0	31.000	59.000		2.000	4.000		351.00	(A)
IA 62	WB	419+19.98	467+21.14	4.0	4801.16	2134.00									2134.00	155	150	1.5	1.5	186.000	180.000	2134.00	11.000	11.000	7.040		(B)
IA 62	WB	468+39.00	507+17.29	4.0	3878.29	1724.00									1724.00	155	150	1.5	1.5	150.000	145.000	1724.00	9.000	9.000	5.690		(B)
IA 62	WB	516+98.63	561+83.62	4.0	4484.99	1993.00									1993.00	155	150	1.5	1.5	174.000	168.000	1993.00	10.000	10.000	6.580		(B)
IA 62	WB	562+77.32	614+97.00	4.0	5219.68	2320.00									2320.00	155	150	1.5	1.5	202.000	196.000	2320.00	12.000	12.000	7.660		(B)
IA 62	WB	616+17.48	618+72.43	4.0	254.95	113.00									113.00	155	150	1.5	1.5	10.000	10.000	113.00	1.000	1.000	0.370		(B)
IA 62	WB	619+87.62	911+76.91	4.0	29189.29	12973.00									12973.00	155	150	1.5	1.5	1131.000	1095.000	12973.00	68.000	66.000	42.810		(B)
IA 62	WB	1911+74.70	1916+69.68	4.0	494.98	220.00									220.00	155	150	1.5	1.5	19.000	19.000	220.00	1.000	1.000	0.730		(B)
IA 62	WB	1916+69.68	1950+00.00	4.0	3330.32	1480.00									1480.00	155	150	1.5	1.5	129.000	125.000		8.000	7.000			(B)
IA 62	WB	1916+69.68	1950+00.00	4.0	3330.32	1480.00									1480.00	155	150	1.5	1.5	129.000	125.000		8.000	7.000			(A)
IA 62	WB	1950+00.00	1958+50.00	8.0	850.00	756.00									756.00	155	150	1.5	3.0	66.000	128.000		4.000	8.000		756.00	(A)
IA 62	WB	1958+50.00	1969+02.49	4.0	1052.49	468.00									468.00	155	150	1.5	1.5	41.000	40.000		2.000	2.000			(B)
IA 62	WB	1969+02.49	1972+97.49	8.0	395.00	351.00									351.00	155	150	1.5	3.0	30.603	59.000		2.000	4.000		351.00	(A)
154th St	Rt					151.00									151.00	155	150	1.5	4.5	13.000	13.000		1.000	1.000			(A)
154th St	Rt					230.00									230.00	155	150	1.5	4.5	20.000	19.000		1.000	1.000			(C)
167th St	Lt					106.00									106.00	155	150	1.5	1.5	9.000	9.000		1.000	1.000			(A)

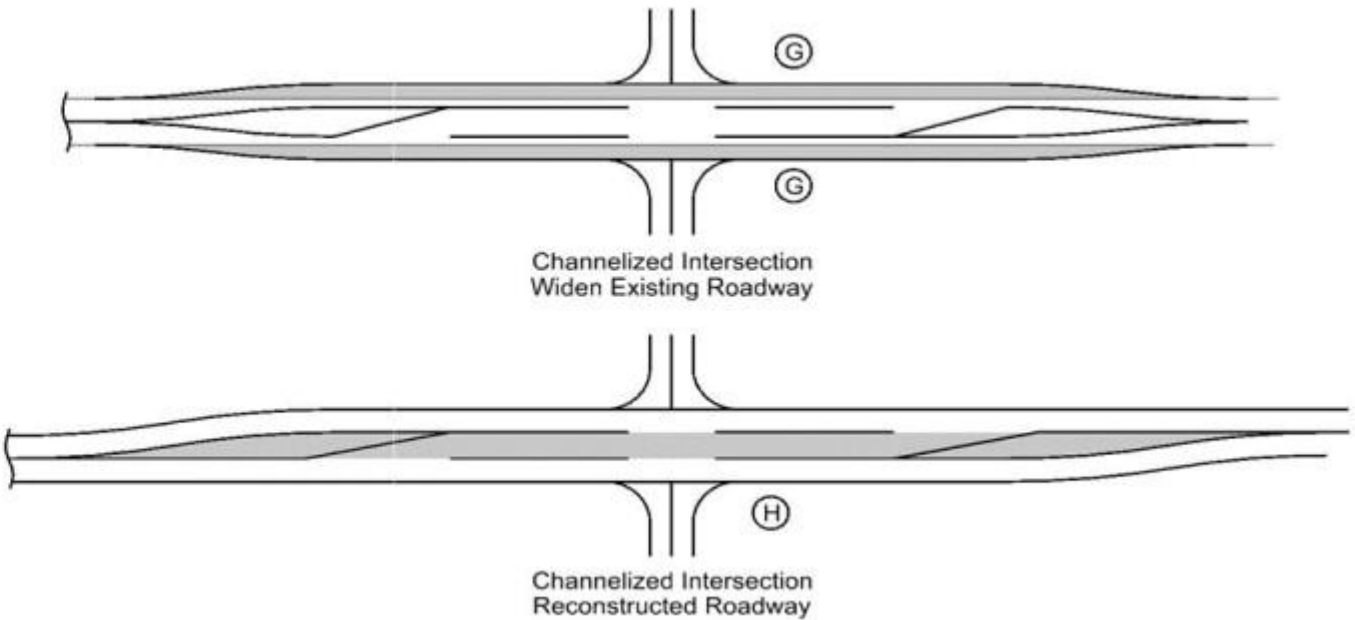
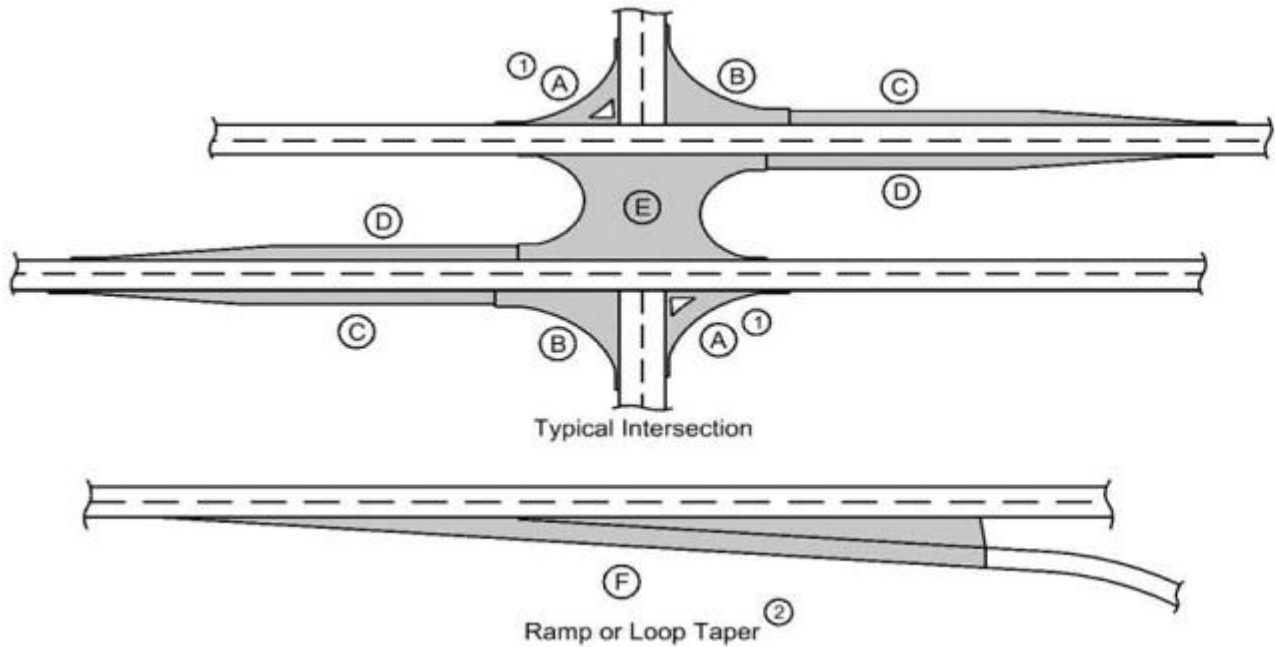
HMA PAVEMENT



- (1) Does not include raised island area or curb. Refer to tabulation 112-4 for quantities.
(2) Refer to PV-410, PV-411, PV-412, and PV-414.
(3) Quantity includes Pavement Header.

Road Identification	Direction of Travel	Station From	Station To	Width (FT)	Length (FT)	Area (SY)	Area A(1) (SY)(3)	Area B (SY)(3)	Area C (SY)(3)	Area D (SY)(3)	Area E(2) (SY)(3)	Area F (SY)(3)	Area G (SY)(3)	Area H (SY)(3)	Total Area (SY)	Surface Course Unit Weight (lbs-cf)	Intermediate Course Unit Weight (lbs-cf)	Pavement Thickness Surface (IN)	Pavement Thickness Intermediate (IN)	HMA Pavement Surface (TONS)	HMA Pavement Intermediate (TONS)	CIPR (SY)	Binder Surface (TONS)	Binder Intermediate (TONS)	Foamed Asphalt (TON)	Pavement Scarification (SY)	Remarks
167th St	Lt					153.00									153.00	155	150	1.5	1.5	13.000	13.000		1.000	1.000			(C)
189th St	Lt					83.00									83.00	155	150	1.5	4.5	7.000	7.000		1.000	1.000			(A)
189th St	Lt					126.00									126.00	155	150	1.5	4.5	11.000	11.000		1.000	1.000			(C)
298th Ave	Rt					119.00									119.00	155	150	1.5	4.5	10.000	10.000		1.000	1.000			(A)
298th Ave	Rt					209.00									209.00	155	150	1.5	4.5	18.000	18.000		1.000	1.000			(C)
200th St	Lt					108.00									108.00	155	150	1.5	4.5	9.000	9.000		1.000	1.000			(A)
200th St	Lt					158.00									158.00	155	150	1.5	4.5	14.000	13.000		1.000	1.000			(C)
300th Ave	Lt					103.00									103.00	155	150	1.5	4.5	9.000	9.000		1.000	1.000			(A)
300th Ave	Lt					159.00									159.00	155	150	1.5	4.5	14.000	13.000		1.000	1.000			(C)
328th Ave	Rt					180.00									180.00	155	150	1.5	4.5	16.000	15.000		1.000	1.000			(A)
328th Ave	Rt					487.00									487.00	155	150	1.5	4.5	42.000	41.000		3.000	2.000			(C)
341st St	Rt					120.00									120.00	155	150	1.5	4.5	10.000	10.000		1.000	1.000			(A)
341st St	Rt					192.00									192.00	155	150	1.5	4.5	17.000	16.000		1.000	1.000			(C)

HMA PAVEMENT



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(2) Refer to PV-410, PV-411, PV-412, and PV-414.
(3) Quantity includes Pavement Header.

Road Identification	Direction of Travel	Station From	Station To	Width (FT)	Length (FT)	Area (SY)	Area A(1) (SY)(3)	Area B (SY)(3)	Area C (SY)(3)	Area D (SY)(3)	Area E(2) (SY)(3)	Area F (SY)(3)	Area G (SY)(3)	Area H (SY)(3)	Total Area (SY)	Surface Course Unit Weight (lbs-cf)	Intermediate Course Unit Weight (lbs-cf)	Pavement Thickness Surface (IN)	Pavement Thickness Intermediate (IN)	HMA Pavement Surface (TONS)	HMA Pavement Intermediate (TONS)	CIPR (SY)	Binder Surface (TONS)	Binder Intermediate (TONS)	Foamed Asphalt (TON)	Pavement Scarification (SY)	Remarks
375th Ave	Rt					139.00									139.00	155	150	1.5	4.5	12.000	12.000		1.000	1.000			(A)
375th Ave	Rt					256.00									256.00	155	150	1.5	4.5	22.000	22.000		1.000	1.000			(C)
Total																					17646.603	17242.000	175480.00	1064.000	1040.000	579.090	1902.00

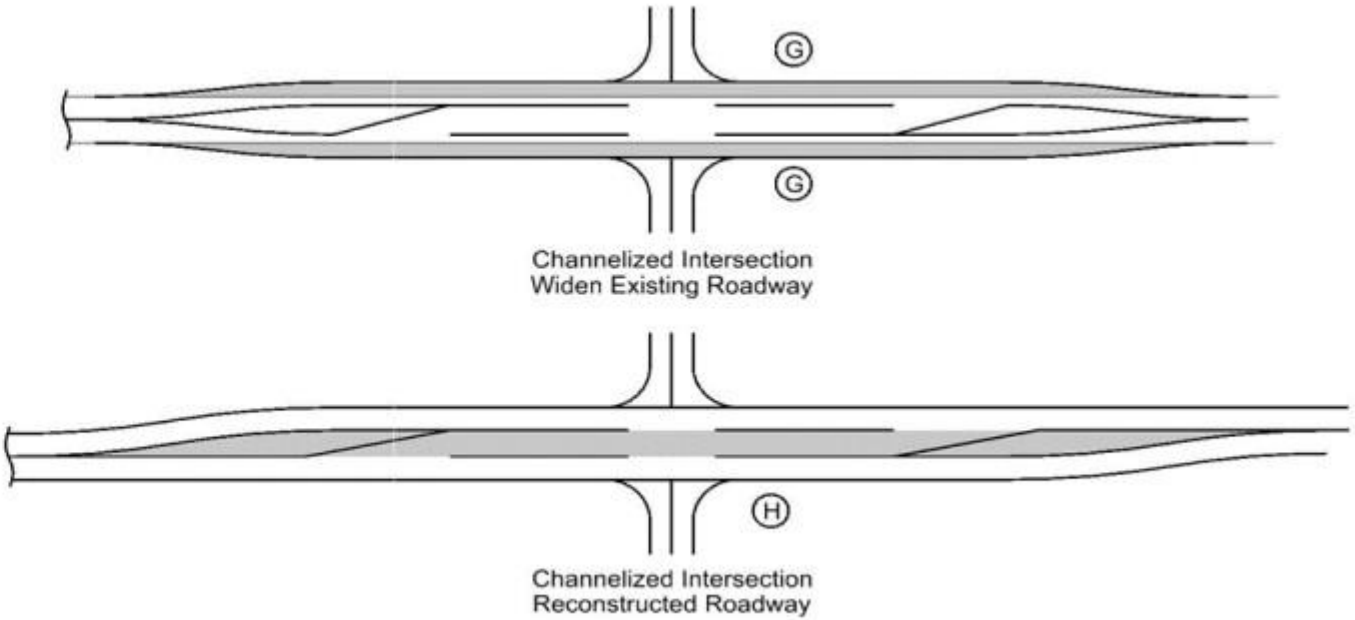
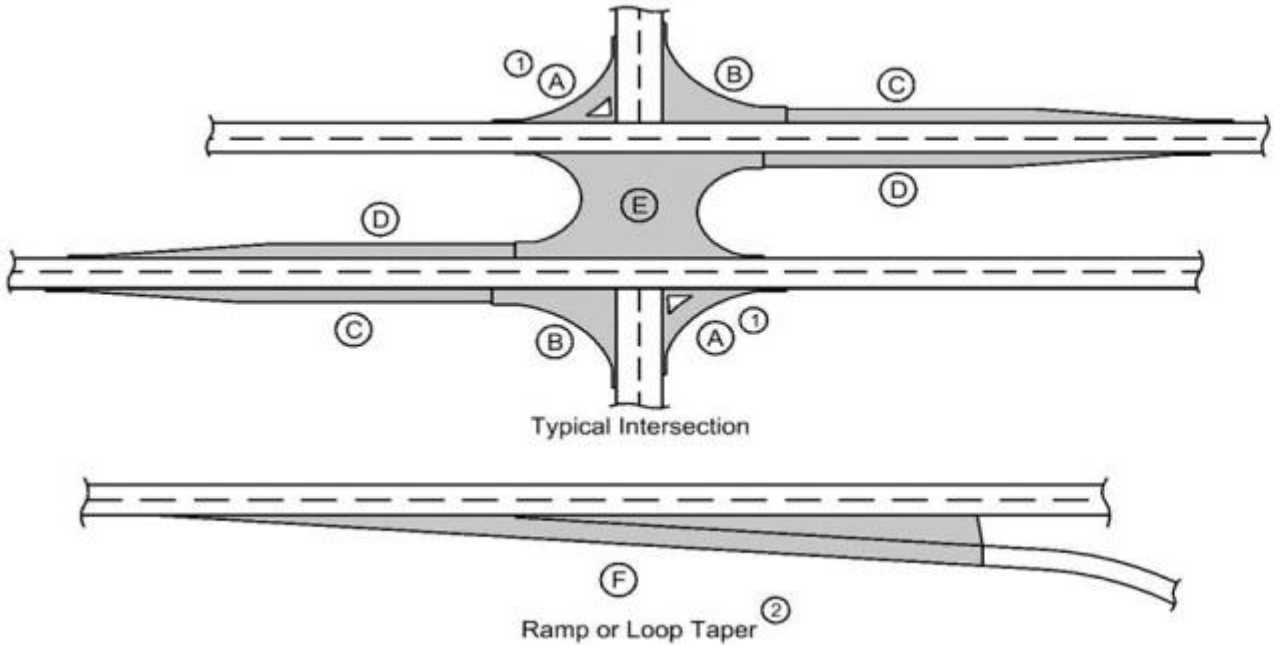
Notes:
(A) Division 1 - Iowa DOT 3R Funding
(B) Division 2 - HSIPX Funding
(C) Division 3 - Jackson County Funding
(D) 5% has been added to the HMA Pavement, Asphalt Binder, and Foamed Asphalt items to account for irregularities or other variances.

Bid Item Quantities:
Division 1 - Iowa DOT 3R Funding
Pavement Scarification, Nominal Thickness - 1,902 SY
HMA Standard Traffic Intermediate Course, 1/2" Mix - 13,777 Tons (D)
HMA Standard Traffic Surface Course, 1/2" Mix, Friction L-4 - 14,061 Tons (D)
Asphalt Binder, PG 58-28S - 1,670 Tons (D)
Cold-In-Place Recycled Asphalt Pavement - 132,672 SY
Asphalt Stabilizing Agent (Foamed Asphalt) - 460 Tons (D)

Division 2 - HSIPX Funding
HMA Standard Traffic Intermediate Course, 1/2" Mix - 4,185 Tons (D)
HMA Standard Traffic Surface Course, 1/2" Mix, Friction L-4 - 4,322 Tons (D)
Asphalt Binder, PG 58-28S - 510 Tons (D)
Cold-In-Place Recycled Asphalt Pavement - 42,809 SY
Asphalt Stabilizing Agent (Foamed Asphalt) - 148 Tons (D)
Excavation, Class 13, For Widening - 4727 CY

Division 3 - Jackson County Funding

HMA PAVEMENT

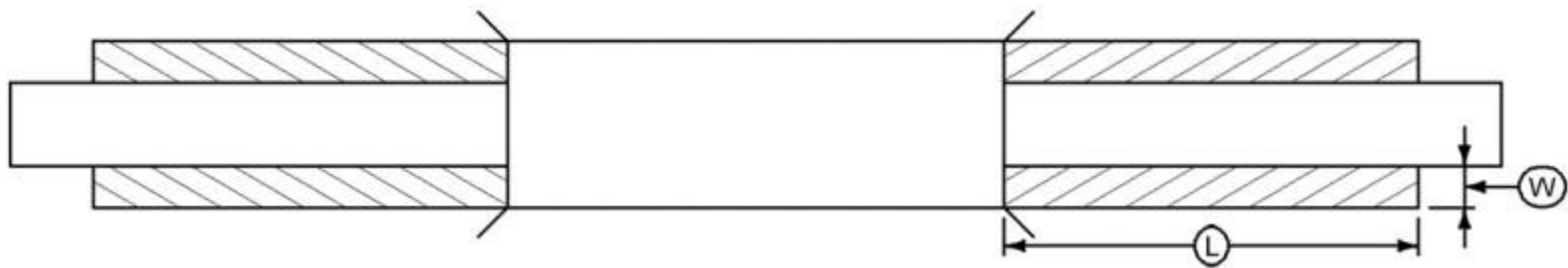


(1) Does not include raised island area or curb. Refer to tabulation 112-4 for quantities.
(2) Refer to PV-410, PV-411, PV-412, and PV-414.
(3) Quantity includes Pavement Header.

Road Identification	Direction of Travel	Station From	Station To	Width (FT)	Length (FT)	Area (SY)	Area A(1) (SY)(3)	Area B (SY)(3)	Area C (SY)(3)	Area D (SY)(3)	Area E(2) (SY)(3)	Area F (SY)(3)	Area G (SY)(3)	Area H (SY)(3)	Total Area (SY)	Surface Course Unit Weight (lbs-cf)	Intermediate Course Unit Weight (lbs-cf)	Pavement Thickness Surface (IN)	Pavement Thickness Intermediate (IN)	HMA Pavement Surface (TONS)	HMA Pavement Intermediate (TONS)	CIPR (SY)	Binder Surface (TONS)	Binder Intermediate (TONS)	Foamed Asphalt (TON)	Pavement Scarification (SY)	Remarks
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HMA Standard Traffic Intermediate Course, 1/2" Mix - 175 Tons (D)
HMA Standard Traffic Surface Course, 1/2" Mix, Friction L-4 - 181 Tons (D)
Asphalt Binder, PG 58-28S - 21 Tons (D)

AREAS FOR PAVEMENT OR BASE WIDENING



- (1) Bid Item
(2) Estimated for two applications to achieve lifts and one application of 0.10 Gal/SY adjacent to existing pavement. Priming of subgrade or finished base is not required.

Station From	Station To	Side	Pavement Type	Length (LF)	Width (LF)	Thickness (IN)	HMA Unit Wt. (lbs/cf)	HMA Base Widening (1) (TONS)	Tack Coat Unit Wt. (gal/sy)	Tack Coat Lifts (GAL)	Tack Coat Vertical Edge (GAL)	Tack Coat (2) (GAL)	Asphalt Binder (1) (TON)	Class 13 Excavation Widening (1) (CY)	Remarks
1916+69.67	1950+00.00	Left	HMA	3330.33	4.0	3.0	150	250.000	0.10	296.00	9.00	305.00	15.000	123.0	(A)
1916+69.67	1950+00.00	Left	HMA	3330.33	4.0	3.0	150	250.000	0.10	296.00	9.00	305.00	15.000	123.0	(B)
1958+50.00	1969+02.49	Left	HMA	1052.49	4.0	3.0	150	79.000	0.10	94.00	3.00	97.00	5.000	39.0	(B)
1916+69.68	1949+00.00	Right	HMA	3230.32	4.0	3.0	150	242.000	0.10	287.00	9.00	296.00	15.000	120.0	(A)
1916+69.68	1949+00.00	Right	HMA	3230.32	4.0	3.0	150	242.000	0.10	287.00	9.00	296.00	15.000	120.0	(B)
1954+00.00	1969+02.49	Right	HMA	1502.49	4.0	3.0	150	113.000	0.10	134.00	4.00	138.00	7.000	56.0	(B)
Total								1176.000				1437.00	72.000	581.0	

Notes:
(A) Division 1 - Iowa DOT 3R Funding
(B) Division 2 - HSIPX Funding
(C) 5% has been added to the HMA Base Widening and Asphalt Binder items to account for irregularities or other variances.

Bid Item Quantities:
Division 1 - Iowa DOT 3R Funding
Excavation, Class 13, For Widening - 243 CY
Base Widening, Hot Mix Asphalt Mixture - 517 Tons (C)
Asphalt Binder, PG58-28S, Standard Traffic - 32 Tons (C)

Division 2 - HSIPX Funding
Excavation, Class 13, For Widening - 338 CY
Base Widening, Hot Mix Asphalt Mixture - 718 Tons (C)
Asphalt Binder, PG58-28S, Standard Traffic - 44 Tons (C)

112_09
4/21/26

SHOULDERS

(1) Lane(s) to which the shoulder is adjacent.
(2) See Typ. 7156, 7157, or 7158.
(3) Bid Item.
(4) Applies only for Paved Shoulders constructed on project with existing granular shoulders.
(5) Bid Item. Typ. 7156, 7157, or 7158.
(6) Does not include shrink.
(7) Paved shoulder thickness specified in Remarks.
(8) Subbase type specified in Remarks.

Roadway Identification	Direction of Travel (1)	Station From	Station To	Side	G Width (FT)	L Length (FT)	Class 13 Excavation (CY)(3)(4)	Pavement Scarifica tion (SY)	Granular Shoulder Unit Weight (lbs-cf)	Granular Shoulder (3) (TON)	Granular Shoulder (TON/STA)	Remarks
IA 62	EB	419+19.98	420+22.18	Right	4	102.20			140	5.000	4.690	
IA 62	EB	421+92.05	507+17.29	Right	4	8525.24			140	400.000	4.690	
IA 62	EB	516+98.63	583+76.14	Right	4	6677.51			140	313.000	4.690	
IA 62	EB	585+06.86	704+43.84	Right	4	11936.98			140	560.000	4.690	
IA 62	EB	706+33.97	776+22.88	Right	4	6988.91			140	328.000	4.690	
IA 62	EB	777+55.43	824+53.18	Right	4	4697.75			140	220.000	4.690	
IA 62	EB	826+03.96	911+76.91	Right	4	8572.95			140	402.000	4.690	
IA 62	EB	1911+74.70	1916+69.68	Right	4	494.98			140	23.000	4.690	
IA 62	EB	1954+00.00	1972+97.49	Right	4	1897.49			140	89.000	4.690	
IA 62	WB	419+19.98	467+21.14	Left	4	4801.16			140	225.000	4.690	
IA 62	WB	468+39.00	507+17.29	Left	4	3878.29			140	182.000	4.690	
IA 62	WB	516+98.63	561+83.62	Left	4	4484.99			140	210.000	4.690	
IA 62	WB	562+77.32	614+97.00	Left	4	5219.68			140	245.000	4.690	
IA 62	WB	616+17.48	618+72.43	Left	4	254.95			140	12.000	4.690	
IA 62	WB	619+87.62	911+76.91	Left	4	29189.29			140	1369.000	4.690	
IA 62	WB	1911+74.70	1916+69.68	Left	4	494.98			140	23.000	4.690	
IA 62	WB	1958+50.00	1972+97.49	Left	4	1447.49			140	68.000	4.690	

Notes:
(A) Division 1 - Iowa DOT 3R Funding
(B) 5% has been added to the Granular Shoulder, Type B item to account for irregularities or other variances.

Bid Item Quantities:
Division 1 - Iowa DOT 3R Funding
Granular Shoulders, Type B - 4,850 Tons (B)

112_10 10/20/26													
RUMBLE STRIPS													
* Calculated at 18" width for Shoulder. ** For use with penetrating Engineered Fog Seal. Calculated at 2" wider than rumble strips.													
Road Identification	Station From	Station To	Surface Type	Rumble Strip Lane	Rumble Strip Type	Fog Seal Type	L (IN)	HMA Length (STA)	Fog Seal* Shoulder (GAL)	Fog Seal (SY)**	Effective Shoulder Width HMA (FT)	Effective Shoulder Width Granular\Earth (FT)	Remarks
IA 62	419+19.98	911+76.91	HMA	Left Shoulder	Milled Shoulder Rumble Strips	Asphalt Emulsion	12"	493.00	534.0	8209.0	4.0	4.0	
IA 62	1911+74.70	1972+97.49	HMA	Left Shoulder	Milled Shoulder Rumble Strips	Asphalt Emulsion	12"	61.00	66.0	1020.0	4.0	4.0	
IA 62	419+19.98	911+76.91	HMA	Right Shoulder	Milled Shoulder Rumble Strips	Asphalt Emulsion	12"	493.00	534.0	8209.0	4.0	4.0	
IA 62	1911+74.70	1972+97.49	HMA	Right Shoulder	Milled Shoulder Rumble Strips	Asphalt Emulsion	12"	61.00	66.0	1020.0	4.0	4.0	
IA 62	419+19.98	911+76.91	HMA	Centerline	Milled Centerline Rumble Strips			493.00		8209.0			
IA 62	1911+74.70	1972+97.49	HMA	Centerline	Milled Centerline Rumble Strips			61.00		1020.0			
Total								1662.00	1200.0				

Notes:
(A) Division 1 - Iowa DOT 3R Funding

Bid Item Quantities:
Division 1 - Iowa DOT 3R Funding
Milled Shoulder Rumble Strips, HMA Surface - 1,108 Sta.
Asphalt Emulsion for Fog Seal (Shoulder Rumble Strips) - 1,200
Milled Centerline Rumble Strips (HMA Surface) - 554 Sta

Fog Seal						112_11 4/21/26
Station From	Station To	Side	Station Length (FT)	Width (FT)	Area (SY)	Remarks
1979+00.00	1982+10.00	2-Lane	310.00		1435.0	(A)(B)

Notes:
(A) Estimated area includes mainline pavement and existing HMA paved shoulders

Bid Item Quantities:
Division 1 - Iowa DOT 3R Funding
Asphalt Emulsion for Fog Seal (Pavement) - 35 GAL

PAVEMENT MARKING LINE TYPES

Line factors based on 6-inch wide continuous line.
*BCY4 - Place on the same side of the roadway to match existing markings near the project.
**NPY4 - Estimating purposes only. No Passing Zone Lines will be located in the field.
***MNY6 - Factor of 1.00 includes number of 6-inch passes to cover median nose area.
BCY4: Broken Centerline (Yellow) @ 0.17 BCY6: Broken Centerline (Yellow) @ 0.25 BLC6: Broken Line Contrast (White/Black) @ 0.50
CBW6: Crosswalk Bar (White) @ 10.00 CHW8: Channelizing Line (White) @ 1.33 CHW10: Channelizing Line (White) @ 1.67
CLW6: Crosswalk Line (White) @ 2.00 DCY4: Double Centerline (Yellow) @ 1.34 DCY6: Double Centerline (Yellow) @ 2.00
DLW4: Dotted Line (White) @ 0.22 DLW6: Dotted Line (White) @ 0.33 DLY4: Dotted Line (Yellow) @ 0.22
ELW6: Edge Line Right (White) @ 1.00 ELY4: Edge Line Left (Yellow) @ 0.67 ELY6: Edge Line Left (Yellow) @ 1.00
MNY6: Median Nose (Yellow) @ 1.00 NPY4: No Passing Zone Line (Yellow) @ 0.84 NPY6: No Passing Zone Line (Yellow) @ 1.25
RLY4: Ramp Edge Line Left (Yellow) @ 0.67 RLY6: Ramp Edge Line Left (Yellow) @ 1.00 SLW2: Stop Line (White) @ 4.00
SPW4: Sloped Curb 4" (White) @ 2.16 SPW6: Sloped Curb 6" (White) @ 2.28 SPY4: Sloped Curb 4" (Yellow) @ 2.16
STY6: Standard Curb 6" (Yellow) @ 2.03 YLW2: Yield Line (White) @ 1.15

BLW4: Broken Lane Line (White) @ 0.17 BLW6: Broken Lane Line (White) @ 0.25
CHY8: Channelizing Line (Yellow) @ 1.33 CHY10: Channelizing Line (Yellow) @ 1.67
DDY4: Double Dotted Line (Yellow) @ 0.44 DDY6: Double Dotted Line (Yellow) @ 0.67
DLY6: Dotted Line (Yellow) @ 0.33 ELW4: Edge Line Right (White) @ 0.67
LDW8: Lane Drop (White) @ 0.33 LDW10: Lane Drop (White) @ 0.42
RLW4: Ramp Edge Line Right (White) @ 0.67 RLW6: Ramp Edge Line Right (White) @ 1.00
SLW4: Solid Lane Line (White) @ 0.67 SLW6: Solid Lane Line (White) @ 1.00
SPY6: Sloped Curb 6" (Yellow) @ 2.28 STW6: Standard Curb 6" (Yellow) @ 2.03

Line No.	Road ID	Station From	Station To	Line Length (STA)	Lane	Marking Type	Left	Center	Right	Groove Marking Needed?	Groove Qty. (STA)	BCY6 Factored (STA)	DCY6 Factored (STA)	ELW6 Factored (STA)	ELY4 Factored (STA)	NPY6** Factored (STA)	Remarks
1.0																	
2.0	IA 62	419+00.00	422+13.00	3.10	SB	Waterborne/Solvent Paint	X			Yes	3.90					15.70	(A)
3.0	IA 62	422+13.00	436+13.00	14.00	Both	Waterborne/Solvent Paint	X			Yes	3.50	14.00					(A)
4.0	IA 62	436+13.00	446+23.00	10.10	NB	Waterborne/Solvent Paint	X			Yes	15.80					63.10	(A)
5.0	IA 62	446+23.00	455+76.00	9.50	Both	Waterborne/Solvent Paint	X			Yes	19.10		76.20				(A)
6.0	IA 62	455+76.00	468+50.00	12.70	SB	Waterborne/Solvent Paint	X			Yes	15.90					63.70	(A)
7.0	IA 62	468+50.00	481+87.00	13.40	Both	Waterborne/Solvent Paint	X			Yes	3.30	13.40					(A)
8.0	IA 62	481+87.00	491+00.00	9.10	NB	Waterborne/Solvent Paint	X			Yes	11.40					45.70	(A)
9.0	IA 62	491+00.00	497+43.00	6.40	Both	Waterborne/Solvent Paint	X			Yes	12.90		51.40				(A)
10.0	IA 62	497+43.00	510+63.00	13.20	SB	Waterborne/Solvent Paint	X			Yes	16.50					66.00	(A)
11.0	IA 62	510+63.00	535+28.00	24.70	Both	Waterborne/Solvent Paint	X			Yes	49.30		197.20				(A)
12.0	IA 62	535+28.00	551+60.00	16.30	NB	Waterborne/Solvent Paint	X			Yes	20.40					81.60	(A)
13.0	IA 62	551+60.00	568+70.00	17.10	Both	Waterborne/Solvent Paint	X			Yes	34.20		136.80				(A)
14.0	IA 62	568+70.00	578+70.00	10.00	SB	Waterborne/Solvent Paint	X			Yes	12.50					50.00	(A)
15.0	IA 62	578+70.00	587+75.00	9.10	Both	Waterborne/Solvent Paint	X			Yes	2.30	9.10					(A)
16.0	IA 62	578+75.00	594+15.00	15.40	NB	Waterborne/Solvent Paint	X			Yes	30.80		123.20				(A)
17.0	IA 62	594+15.00	595+21.00	1.10	Both	Waterborne/Solvent Paint	X			Yes	0.30	1.10					(A)
18.0	IA 62	595+21.00	604+60.00	9.40	SB	Waterborne/Solvent Paint	X			Yes	11.70					47.00	(A)
19.0	IA 62	604+60.00	634+80.00	30.20	Both	Waterborne/Solvent Paint	X			Yes	7.60	30.20					(A)
20.0	IA 62	634+80.00	643+50.00	8.70	NB	Waterborne/Solvent Paint	X			Yes	10.90					43.50	(A)
21.0	IA 62	643+50.00	644+20.00	0.70	Both	Waterborne/Solvent Paint	X			Yes	0.20	0.70					(A)
22.0	IA 62	644+20.00	652+00.00	7.80	SB	Waterborne/Solvent Paint	X			Yes	9.80					39.00	(A)
23.0	IA 62	652+00.00	661+40.00	9.40	NB	Waterborne/Solvent Paint	X			Yes	11.80					47.00	(A)
24.0	IA 62	661+40.00	672+00.00	10.60	SB	Waterborne/Solvent Paint	X			Yes	13.30					53.00	(A)
25.0	IA 62	672+00.00	681+10.00	9.10	NB	Waterborne/Solvent Paint	X			Yes	11.40					45.50	(A)
26.0	IA 62	681+10.00	692+30.00	11.20	Both	Waterborne/Solvent Paint	X			Yes	22.40		89.60				(A)
27.0	IA 62	692+30.00	701+35.00	9.10	SB	Waterborne/Solvent Paint	X			Yes	11.30					45.30	(A)
28.0	IA 62	701+35.00	703+89.00	2.50	Both	Waterborne/Solvent Paint	X			Yes	0.60	2.50					(A)
29.0	IA 62	703+89.00	715+08.00	11.20	NB	Waterborne/Solvent Paint	X			Yes	14.00					56.00	(A)
30.0	IA 62	715+08.00	725+00.00	9.90	SB	Waterborne/Solvent Paint	X			Yes	12.40					49.60	(A)
31.0	IA 62	725+00.00	729+60.00	4.60	Both	Waterborne/Solvent Paint	X			Yes	1.20	4.60					(A)
32.0	IA 62	729+60.00	736+50.00	6.90	NB	Waterborne/Solvent Paint	X			Yes	8.60					34.50	(A)
33.0	IA 62	736+50.00	739+30.00	2.80	SB	Waterborne/Solvent Paint	X			Yes	0.70	2.80					(A)
34.0	IA 62	739+30.00	747+35.00	8.10	SB	Waterborne/Solvent Paint	X			Yes	10.10					40.30	(A)
35.0	IA 62	747+35.00	766+00.00	18.70	Both	Waterborne/Solvent Paint	X			Yes	4.70	18.70					(A)
36.0	IA 62	766+00.00	775+40.00	9.40	NB	Waterborne/Solvent Paint	X			Yes	11.80					47.00	(A)
37.0	IA 62	775+40.00	805+20.00	29.80	Both	Waterborne/Solvent Paint	X			Yes	59.60		238.40				(A)
38.0	IA 62	805+20.00	815+20.00	10.00	SB	Waterborne/Solvent Paint	X			Yes	12.50					50.00	(A)
39.0	IA 62	815+20.00	843+00.00	27.80	Both	Waterborne/Solvent Paint	X			Yes	7.00	27.80					(A)

108_22
11/25/25

PAVEMENT MARKING LINE TYPES

Line factors based on 6-inch wide continuous line.
*BCY4 - Place on the same side of the roadway to match existing markings near the project.
**NPY4 - Estimating purposes only. No Passing Zone Lines will be located in the field.
***MNY6 - Factor of 1.00 includes number of 6-inch passes to cover median nose area.

BCY4: Broken Centerline (Yellow) @ 0.17 BCY6: Broken Centerline (Yellow) @ 0.25 BLC6: Broken Line Contrast (White/Black) @ 0.50 BLW4: Broken Lane Line (White) @ 0.17 BLW6: Broken Lane Line (White) @ 0.25
CBW6: Crosswalk Bar (White) @ 10.00 CHW8: Channelizing Line (White) @ 1.33 CHW10: Channelizing Line (White) @ 1.67 CHY8: Channelizing Line (Yellow) @ 1.33 CHY10: Channelizing Line (Yellow) @ 1.67
CLW6: Crosswalk Line (White) @ 2.00 DCY4: Double Centerline (Yellow) @ 1.34 DCY6: Double Centerline (Yellow) @ 2.00 DDY4: Double Dotted Line (Yellow) @ 0.44 DDY6: Double Dotted Line (Yellow) @ 0.67
DLW4: Dotted Line (White) @ 0.22 DLW6: Dotted Line (White) @ 0.33 DLY4: Dotted Line (Yellow) @ 0.22 DLY6: Dotted Line (Yellow) @ 0.33 ELW4: Edge Line Right (White) @ 0.67
ELW6: Edge Line Right (White) @ 1.00 ELY4: Edge Line Left (Yellow) @ 0.67 ELY6: Edge Line Left (Yellow) @ 1.00 LDW8: Lane Drop (White) @ 0.33 LDW10: Lane Drop (White) @ 0.42
MNY6: Median Nose (Yellow) @ 1.00 NPY4: No Passing Zone Line (Yellow) @ 0.84 NPY6: No Passing Zone Line (Yellow) @ 1.25 RLW4: Ramp Edge Line Right (White) @ 0.67 RLW6: Ramp Edge Line Right (White) @ 1.00
RLY4: Ramp Edge Line Left (Yellow) @ 0.67 RLY6: Ramp Edge Line Left (Yellow) @ 1.00 SLW2: Stop Line (White) @ 4.00 SLW4: Solid Lane Line (White) @ 0.67 SLW6: Solid Lane Line (White) @ 1.00
SPW4: Sloped Curb 4" (White) @ 2.16 SPW6: Sloped Curb 6" (White) @ 2.28 SPY4: Sloped Curb 4" (Yellow) @ 2.16 SPY6: Sloped Curb 6" (Yellow) @ 2.28 STW6: Standard Curb 6" (Yellow) @ 2.03
STY6: Standard Curb 6" (Yellow) @ 2.03 YLW2: Yield Line (White) @ 1.15

Line No.	Road ID	Station From	Station To	Line Length (STA)	Lane	Marking Type	Left	Center	Right	Groove Marking Needed?	Groove Qty. (STA)	BCY6 Factored (STA)	DCY6 Factored (STA)	ELW6 Factored (STA)	ELY4 Factored (STA)	NPY6** Factored (STA)	Remarks
40.0	IA 62	843+00.00	848+90.00	5.90	NB	Waterborne/Solvent Paint	X			Yes	7.40					29.50	(A)
41.0	IA 62	848+90.00	853+80.00	4.90	Both	Waterborne/Solvent Paint	X			Yes	1.20	4.90					(A)
42.0	IA 62	853+80.00	857+10.00	3.30	SB	Waterborne/Solvent Paint	X			Yes	4.10					16.50	(A)
43.0	IA 62	857+10.00	859+70.00	2.60	Both	Waterborne/Solvent Paint	X			Yes	5.20		20.80				(A)
44.0	IA 62	859+70.00	866+75.00	7.10	NB	Waterborne/Solvent Paint	X			Yes	8.80					35.30	(A)
45.0	IA 62	866+75.00	875+75.00	9.00	SB	Waterborne/Solvent Paint	X			Yes	11.30					45.00	(A)
46.0	IA 62	875+75.00	911+76.91	36.00	Both	Waterborne/Solvent Paint	X			Yes	9.00	36.00					(A)
47.0	IA 62	1911+74.70	1912+45.00	0.70	Both	Waterborne/Solvent Paint	X			Yes	0.20	0.70					(A)
48.0	IA 62	1912+45.00	1920+30.00	7.90	NB	Waterborne/Solvent Paint	X			Yes	9.80					39.30	(A)
49.0	IA 62	1920+30.00	1939+85.00	19.60	Both	Waterborne/Solvent Paint	X			Yes	39.10		156.40				(A)
50.0	IA 62	1939+85.00	1950+70.00	10.90	SB	Waterborne/Solvent Paint	X			Yes	13.60					54.30	(A)
51.0	IA 62	1950+70.00	1953+70.00	3.00	Both	Waterborne/Solvent Paint	X			Yes	0.80	3.00					(A)
52.0	IA 62	1953+70.00	1965+55.00	11.90	NB	Waterborne/Solvent Paint	X			Yes	14.80					59.30	(A)
53.0	IA 62	1965+55.00	1966+65.00	1.10	Both	Waterborne/Solvent Paint	X			Yes	2.20		8.80				(A)
54.0	IA 62	1966+65.00	1973+10.00	6.50	SB	Waterborne/Solvent Paint	X			Yes	8.10					32.30	(A)
55.0	IA 62	1973+10.00	1982+00.00	8.90	Both	Waterborne/Solvent Paint	X			Yes	2.20	8.90					(A)
56.0																	
57.0	IA 62	419+00.00	911+76.91	492.77	Both	Waterborne/Solvent Paint			X	Yes	985.50			3942.20			(A)
58.0	IA 62	1911+74.70	1982+00.00	70.25	Both	Waterborne/Solvent Paint			X	Yes	140.50			562.00			(A)
Total				1135.42							1769.50	178.40	1098.80	4504.20		1295.00	

Notes:
(A) Factored quantity for pavement marking line types is calculated based on 4 applications during construction. 3 temporary applications, and 1 permanent.

Bid Item Quantities:
Division 1 - Iowa DOT 3R Funding
Painted Pavement Markings, Waterborne or Solvent-Based - 7,076 Sta.
Grooves Cut for Pavement Markings - 1,770 Sta.

103_07
8/15/22

SHRINKAGE DATA

Material	%	Remarks
Topsoil	40.0	
Ex. CL 10	30.0	

103_10
4/30/25

TOPSOIL STRIPPING AND PLACEMENT

Line No.	Road Identification	Dir. of Traffic	Station From	Station To	Topsoil Stripping Thickness (IN)	Topsoil Placement Thickness (IN)	Remarks
1.0	IA 62	EB	1916+69.68	1958+50.00		6.0	
2.0	IA 62	WB	1916+69.68	1954+00.00		6.0	

Line No.	Road or Lane Identification	Station From	Station To	Side	Depth (IN) (D)	Subdrain Size (IN)	Length (FT)	Outlet Station	Outlet Type	Porous Backfill* (CY)	Remarks
1.0	IA 62	419+19.90	424+19.90	Left	36.0	4.0	530.0	419+19.90	DR-306	40.9	
2.0	IA 62			Left	36.0	4.0	30.0	424+19.90	DR-306	2.3	
3.0	IA 62	424+19.90	429+19.90	Left	36.0	4.0	530.0	424+19.90	DR-306	40.9	
4.0	IA 62			Left	36.0	4.0	30.0	429+19.90	DR-306	2.3	
5.0	IA 62	429+19.90	434+19.90	Left	36.0	4.0	530.0	429+19.90	DR-306	40.9	
6.0	IA 62			Left	36.0	4.0	30.0	434+19.90	DR-306	2.3	
7.0	IA 62	434+19.90	435+00.00	Left	36.0	4.0	110.1	434+19.90	DR-306	8.5	
8.0	IA 62			Left	36.0	4.0	30.0	435+00.00	DR-306	2.3	
9.0	IA 62	440+00.00	445+00.00	Left	36.0	4.0	530.0	440+00.00	DR-306	40.9	
10.0	IA 62			Left	36.0	4.0	30.0	445+00.00	DR-306	2.3	
11.0	IA 62	445+00.00	450+00.00	Left	36.0	4.0	530.0	445+00.00	DR-306	40.9	
12.0	IA 62			Left	36.0	4.0	30.0	450+00.00	DR-306	2.3	
13.0	IA 62	450+00.00	455+00.00	Left	36.0	4.0	530.0	450+00.00	DR-306	40.9	
14.0	IA 62			Left	36.0	4.0	30.0	455+00.00	DR-306	2.3	
15.0	IA 62	455+00.00	456+00.00	Left	36.0	4.0	130.0	455+00.00	DR-306	10.0	
16.0	IA 62			Left	36.0	4.0	30.0	456+00.00	DR-306	2.3	
17.0	IA 62	468+42.87	473+42.87	Left	36.0	4.0	530.0	468+42.87	DR-306	40.9	
18.0	IA 62			Left	36.0	4.0	30.0	473+42.87	DR-306	2.3	
19.0	IA 62	473+42.87	478+42.87	Left	36.0	4.0	530.0	473+42.87	DR-306	40.9	
20.0	IA 62			Left	36.0	4.0	30.0	478+42.87	DR-306	2.3	
21.0	IA 62	478+42.87	483+42.87	Left	36.0	4.0	530.0	478+42.87	DR-306	40.9	
22.0	IA 62			Left	36.0	4.0	30.0	483+42.87	DR-306	2.3	
23.0	IA 62	483+42.87	485+81.70	Left	36.0	4.0	268.8	483+42.87	DR-306	20.7	
24.0	IA 62			Left	36.0	4.0	30.0	485+81.70	DR-306	2.3	
25.0	IA 62	493+43.88	498+43.88	Left	36.0	4.0	530.0	493+43.88	DR-306	40.9	
26.0	IA 62			Left	36.0	4.0	30.0	498+43.88	DR-306	2.3	
27.0	IA 62	498+43.88	503+43.88	Left	36.0	4.0	530.0	498+43.88	DR-306	40.9	
28.0	IA 62			Left	36.0	4.0	30.0	503+43.88	DR-306	2.3	
29.0	IA 62	503+43.88	508+43.88	Left	36.0	4.0	530.0	503+43.88	DR-306	40.9	
30.0	IA 62			Left	36.0	4.0	30.0	508+43.88	DR-306	2.3	
31.0	IA 62	508+43.88	510+50.00	Left	36.0	4.0	236.1	508+43.88	DR-306	18.2	
32.0	IA 62			Left	36.0	4.0	30.0	510+50.00	DR-306	2.3	
33.0	IA 62	517+50.00	523+00.00	Left	36.0	4.0	580.0	517+50.00	DR-306	44.8	
34.0	IA 62			Left	36.0	4.0	30.0	523+00.00	DR-306	2.3	
35.0	IA 62	527+00.00	532+00.00	Left	36.0	4.0	530.0	527+00.00	DR-306	40.9	
36.0	IA 62			Left	36.0	4.0	30.0	532+00.00	DR-306	2.3	
37.0	IA 62	532+00.00	537+00.00	Left	36.0	4.0	530.0	532+00.00	DR-306	40.9	
38.0	IA 62			Left	36.0	4.0	30.0	537+00.00	DR-306	2.3	
39.0	IA 62	537+00.00	542+00.00	Left	36.0	4.0	530.0	537+00.00	DR-306	40.9	
40.0	IA 62			Left	36.0	4.0	30.0	542+00.00	DR-306	2.3	
41.0	IA 62	542+00.00	547+00.00	Left	36.0	4.0	530.0	542+00.00	DR-306	40.9	
42.0	IA 62			Left	36.0	4.0	30.0	547+00.00	DR-306	2.3	
43.0	IA 62	547+00.00	552+00.00	Left	36.0	4.0	530.0	547+00.00	DR-306	40.9	
44.0	IA 62			Left	36.0	4.0	30.0	552+00.00	DR-306	2.3	
45.0	IA 62	552+00.00	557+00.00	Left	36.0	4.0	530.0	552+00.00	DR-306	40.9	
46.0	IA 62			Left	36.0	4.0	30.0	557+00.00	DR-306	2.3	
47.0	IA 62	568+67.00	573+67.00	Left	36.0	4.0	530.0	568+67.00	DR-306	40.9	

Line No.	Road or Lane Identification	Station From	Station To	Side	Depth (IN) (D)	Subdrain Size (IN)	Length (FT)	Outlet Station	Outlet Type	Porous Backfill* (CY)	Remarks
48.0	IA 62			Left	36.0	4.0	30.0	573+67.00	DR-306	2.3	
49.0	IA 62	573+67.00	578+67.00	Left	36.0	4.0	530.0	573+67.00	DR-306	40.9	
50.0	IA 62			Left	36.0	4.0	30.0	578+67.00	DR-306	2.3	
51.0	IA 62	578+67.00	583+67.00	Left	36.0	4.0	530.0	578+67.00	DR-306	40.9	
52.0	IA 62			Left	36.0	4.0	30.0	583+67.00	DR-306	2.3	
53.0	IA 62	583+67.00	588+67.00	Left	36.0	4.0	530.0	583+67.00	DR-306	40.9	
54.0	IA 62			Left	36.0	4.0	30.0	588+67.00	DR-306	2.3	
55.0	IA 62	588+67.00	593+67.00	Left	36.0	4.0	530.0	588+67.00	DR-306	40.9	
56.0	IA 62			Left	36.0	4.0	30.0	593+67.00	DR-306	2.3	
57.0	IA 62	593+67.00	598+67.00	Left	36.0	4.0	530.0	593+67.00	DR-306	40.9	
58.0	IA 62			Left	36.0	4.0	30.0	598+67.00	DR-306	2.3	
59.0	IA 62	598+67.00	603+67.00	Left	36.0	4.0	530.0	598+67.00	DR-306	40.9	
60.0	IA 62			Left	36.0	4.0	30.0	603+67.00	DR-306	2.3	
61.0	IA 62	603+67.00	608+67.00	Left	36.0	4.0	530.0	603+67.00	DR-306	40.9	
62.0	IA 62			Left	36.0	4.0	30.0	608+67.00	DR-306	2.3	
63.0	IA 62	608+67.00	613+67.00	Left	36.0	4.0	530.0	608+67.00	DR-306	40.9	
64.0	IA 62			Left	36.0	4.0	30.0	613+67.00	DR-306	2.3	
65.0	IA 62	613+67.00	618+67.00	Left	36.0	4.0	530.0	613+67.00	DR-306	40.9	
66.0	IA 62			Left	36.0	4.0	30.0	618+67.00	DR-306	2.3	
67.0	IA 62	618+67.00	623+67.00	Left	36.0	4.0	530.0	618+67.00	DR-306	40.9	
68.0	IA 62			Left	36.0	4.0	30.0	623+67.00	DR-306	2.3	
69.0	IA 62	623+67.00	628+67.00	Left	36.0	4.0	530.0	623+67.00	DR-306	40.9	
70.0	IA 62			Left	36.0	4.0	30.0	628+67.00	DR-306	2.3	
71.0	IA 62	628+67.00	633+67.00	Left	36.0	4.0	530.0	628+67.00	DR-306	40.9	
72.0	IA 62			Left	36.0	4.0	30.0	633+67.00	DR-306	2.3	
73.0	IA 62	633+67.00	638+67.00	Left	36.0	4.0	530.0	633+67.00	DR-306	40.9	
74.0	IA 62			Left	36.0	4.0	30.0	638+67.00	DR-306	2.3	
75.0	IA 62	638+67.00	643+67.00	Left	36.0	4.0	530.0	638+67.00	DR-306	40.9	
76.0	IA 62			Left	36.0	4.0	30.0	643+67.00	DR-306	2.3	
77.0	IA 62	643+67.00	648+67.00	Left	36.0	4.0	530.0	643+67.00	DR-306	40.9	
78.0	IA 62			Left	36.0	4.0	30.0	648+67.00	DR-306	2.3	
79.0	IA 62	648+67.00	653+67.00	Left	36.0	4.0	530.0	648+67.00	DR-306	40.9	
80.0	IA 62			Left	36.0	4.0	30.0	653+67.00	DR-306	2.3	
81.0	IA 62	653+67.00	658+67.00	Left	36.0	4.0	530.0	653+67.00	DR-306	40.9	
82.0	IA 62			Left	36.0	4.0	30.0	658+67.00	DR-306	2.3	
83.0	IA 62	658+67.00	663+67.00	Left	36.0	4.0	530.0	658+67.00	DR-306	40.9	
84.0	IA 62			Left	36.0	4.0	30.0	663+67.00	DR-306	2.3	
85.0	IA 62	663+67.00	668+67.00	Left	36.0	4.0	530.0	663+67.00	DR-306	40.9	
86.0	IA 62			Left	36.0	4.0	30.0	668+67.00	DR-306	2.3	
87.0	IA 62	668+67.00	673+67.00	Left	36.0	4.0	530.0	668+67.00	DR-306	40.9	
88.0	IA 62			Left	36.0	4.0	30.0	673+67.00	DR-306	2.3	
89.0	IA 62	673+67.00	676+86.96	Left	36.0	4.0	350.0	673+67.00	DR-306	27.0	
90.0	IA 62			Left	36.0	4.0	30.0	676+86.96	DR-306	2.3	
91.0	IA 62	682+95.00	687+95.00	Left	36.0	4.0	530.0	682+95.00	DR-306	40.9	
92.0	IA 62			Left	36.0	4.0	30.0	687+95.00	DR-306	2.3	
93.0	IA 62	687+95.00	692+95.00	Left	36.0	4.0	530.0	687+95.00	DR-306	40.9	
94.0	IA 62			Left	36.0	4.0	30.0	692+95.00	DR-306	2.3	

Line No.	Road or Lane Identification	Station From	Station To	Side	Depth (IN) (D)	Subdrain Size (IN)	Length (FT)	Outlet Station	Outlet Type	Porous Backfill* (CY)	Remarks
95.0	IA 62	692+95.00	696+00.00	Left	36.0	4.0	335.0	692+95.00	DR-306	25.8	
96.0	IA 62			Left	36.0	4.0	30.0	696+00.00	DR-306	2.3	
97.0	IA 62	702+00.00	701+00.00	Left	36.0	4.0	-70.0	702+00.00	DR-306	-5.4	
98.0	IA 62			Left	36.0	4.0	30.0	701+00.00	DR-306	2.3	
99.0	IA 62	701+00.00	706+00.00	Left	36.0	4.0	530.0	701+00.00	DR-306	40.9	
100.0	IA 62			Left	36.0	4.0	30.0	706+00.00	DR-306	2.3	
101.0	IA 62	706+00.00	711+00.00	Left	36.0	4.0	530.0	706+00.00	DR-306	40.9	
102.0	IA 62			Left	36.0	4.0	30.0	711+00.00	DR-306	2.3	
103.0	IA 62	711+00.00	716+00.00	Left	36.0	4.0	530.0	711+00.00	DR-306	40.9	
104.0	IA 62			Left	36.0	4.0	30.0	716+00.00	DR-306	2.3	
105.0	IA 62	716+00.00	721+00.00	Left	36.0	4.0	530.0	716+00.00	DR-306	40.9	
106.0	IA 62			Left	36.0	4.0	30.0	721+00.00	DR-306	2.3	
107.0	IA 62	721+00.00	726+00.00	Left	36.0	4.0	530.0	721+00.00	DR-306	40.9	
108.0	IA 62			Left	36.0	4.0	30.0	726+00.00	DR-306	2.3	
109.0	IA 62	726+00.00	731+00.00	Left	36.0	4.0	530.0	726+00.00	DR-306	40.9	
110.0	IA 62			Left	36.0	4.0	30.0	731+00.00	DR-306	2.3	
111.0	IA 62	731+00.00	736+00.00	Left	36.0	4.0	530.0	731+00.00	DR-306	40.9	
112.0	IA 62			Left	36.0	4.0	30.0	736+00.00	DR-306	2.3	
113.0	IA 62	736+00.00	741+00.00	Left	36.0	4.0	530.0	736+00.00	DR-306	40.9	
114.0	IA 62			Left	36.0	4.0	30.0	741+00.00	DR-306	2.3	
115.0	IA 62	741+00.00	746+00.00	Left	36.0	4.0	530.0	741+00.00	DR-306	40.9	
116.0	IA 62			Left	36.0	4.0	30.0	746+00.00	DR-306	2.3	
117.0	IA 62	746+00.00	751+00.00	Left	36.0	4.0	530.0	746+00.00	DR-306	40.9	
118.0	IA 62			Left	36.0	4.0	30.0	751+00.00	DR-306	2.3	
119.0	IA 62	751+00.00	756+00.00	Left	36.0	4.0	530.0	751+00.00	DR-306	40.9	
120.0	IA 62			Left	36.0	4.0	30.0	756+00.00	DR-306	2.3	
121.0	IA 62	756+00.00	761+00.00	Left	36.0	4.0	530.0	756+00.00	DR-306	40.9	
122.0	IA 62			Left	36.0	4.0	30.0	761+00.00	DR-306	2.3	
123.0	IA 62	761+00.00	766+00.00	Left	36.0	4.0	530.0	761+00.00	DR-306	40.9	
124.0	IA 62			Left	36.0	4.0	30.0	766+00.00	DR-306	2.3	
125.0	IA 62	766+00.00	771+00.00	Left	36.0	4.0	530.0	766+00.00	DR-306	40.9	
126.0	IA 62			Left	36.0	4.0	30.0	771+00.00	DR-306	2.3	
127.0	IA 62	771+00.00	776+00.00	Left	36.0	4.0	530.0	771+00.00	DR-306	40.9	
128.0	IA 62			Left	36.0	4.0	30.0	776+00.00	DR-306	2.3	
129.0	IA 62	776+00.00	781+00.00	Left	36.0	4.0	530.0	776+00.00	DR-306	40.9	
130.0	IA 62			Left	36.0	4.0	30.0	781+00.00	DR-306	2.3	
131.0	IA 62	781+00.00	782+00.00	Left	36.0	4.0	130.0	781+00.00	DR-306	10.0	
132.0	IA 62			Left	36.0	4.0	30.0	782+00.00	DR-306	2.3	
133.0	IA 62	782+00.00	787+00.00	Left	36.0	4.0	530.0	782+00.00	DR-306	40.9	
134.0	IA 62			Left	36.0	4.0	30.0	787+00.00	DR-306	2.3	
135.0	IA 62	792+00.00	797+00.00	Left	36.0	4.0	530.0	792+00.00	DR-306	40.9	
136.0	IA 62			Left	36.0	4.0	30.0	797+00.00	DR-306	2.3	
137.0	IA 62	797+00.00	802+00.00	Left	36.0	4.0	530.0	797+00.00	DR-306	40.9	
138.0	IA 62			Left	36.0	4.0	30.0	802+00.00	DR-306	2.3	
139.0	IA 62	808+62.00	807+00.00	Left	36.0	4.0	-132.0	808+62.00	DR-306	-10.2	
140.0	IA 62			Left	36.0	4.0	30.0	807+00.00	DR-306	2.3	
141.0	IA 62	807+00.00	812+00.00	Left	36.0	4.0	530.0	807+00.00	DR-306	40.9	

Line No.	Road or Lane Identification	Station From	Station To	Side	Depth (IN) (D)	Subdrain Size (IN)	Length (FT)	Outlet Station	Outlet Type	Porous Backfill* (CY)	Remarks
142.0	IA 62			Left	36.0	4.0	30.0	812+00.00	DR-306	2.3	
143.0	IA 62	812+00.00	817+00.00	Left	36.0	4.0	530.0	812+00.00	DR-306	40.9	
144.0	IA 62			Left	36.0	4.0	30.0	817+00.00	DR-306	2.3	
145.0	IA 62	817+00.00	822+00.00	Left	36.0	4.0	530.0	817+00.00	DR-306	40.9	
146.0	IA 62			Left	36.0	4.0	30.0	822+00.00	DR-306	2.3	
147.0	IA 62	822+00.00	827+00.00	Left	36.0	4.0	530.0	822+00.00	DR-306	40.9	
148.0	IA 62			Left	36.0	4.0	30.0	827+00.00	DR-306	2.3	
149.0	IA 62	827+00.00	832+00.00	Left	36.0	4.0	530.0	827+00.00	DR-306	40.9	
150.0	IA 62			Left	36.0	4.0	30.0	832+00.00	DR-306	2.3	
151.0	IA 62	832+00.00	837+00.00	Left	36.0	4.0	530.0	832+00.00	DR-306	40.9	
152.0	IA 62			Left	36.0	4.0	30.0	837+00.00	DR-306	2.3	
153.0	IA 62	837+00.00	842+00.00	Left	36.0	4.0	530.0	837+00.00	DR-306	40.9	
154.0	IA 62			Left	36.0	4.0	30.0	842+00.00	DR-306	2.3	
155.0	IA 62	842+00.00	845+00.00	Left	36.0	4.0	330.0	842+00.00	DR-306	25.5	
156.0	IA 62			Left	36.0	4.0	30.0	845+00.00	DR-306	2.3	
157.0	IA 62	854+00.00	859+00.00	Left	36.0	4.0	530.0	854+00.00	DR-306	40.9	
158.0	IA 62			Left	36.0	4.0	30.0	859+00.00	DR-306	2.3	
159.0	IA 62	859+00.00	864+00.00	Left	36.0	4.0	530.0	859+00.00	DR-306	40.9	
160.0	IA 62			Left	36.0	4.0	30.0	864+00.00	DR-306	2.3	
161.0	IA 62	864+00.00	869+00.00	Left	36.0	4.0	530.0	864+00.00	DR-306	40.9	
162.0	IA 62			Left	36.0	4.0	30.0	869+00.00	DR-306	2.3	
163.0	IA 62	869+00.00	874+00.00	Left	36.0	4.0	530.0	869+00.00	DR-306	40.9	
164.0	IA 62			Left	36.0	4.0	30.0	874+00.00	DR-306	2.3	
165.0	IA 62	874+00.00	879+00.00	Left	36.0	4.0	530.0	874+00.00	DR-306	40.9	
166.0	IA 62			Left	36.0	4.0	30.0	879+00.00	DR-306	2.3	
167.0	IA 62	879+00.00	884+00.00	Left	36.0	4.0	530.0	879+00.00	DR-306	40.9	
168.0	IA 62			Left	36.0	4.0	30.0	884+00.00	DR-306	2.3	
169.0	IA 62	884+00.00	885+91.00	Left	36.0	4.0	221.0	884+00.00	DR-306	17.1	
170.0	IA 62			Left	36.0	4.0	30.0	885+91.00	DR-306	2.3	
171.0	IA 62	892+23.00	897+23.00	Left	36.0	4.0	530.0	892+23.00	DR-306	40.9	
172.0	IA 62			Left	36.0	4.0	30.0	897+23.00	DR-306	2.3	
173.0	IA 62	897+23.00	902+23.00	Left	36.0	4.0	530.0	897+23.00	DR-306	40.9	
174.0	IA 62			Left	36.0	4.0	30.0	902+23.00	DR-306	2.3	
175.0	IA 62	902+23.00	907+23.00	Left	36.0	4.0	530.0	902+23.00	DR-306	40.9	
176.0	IA 62			Left	36.0	4.0	30.0	907+23.00	DR-306	2.3	
177.0	IA 62	907+23.00	911+76.73	Left	36.0	4.0	483.7	907+23.00	DR-306	37.3	
178.0	IA 62			Left	36.0	4.0	30.0	911+76.73	DR-306	2.3	
179.0	IA 62	1911+74.70	1916+74.70	Left	36.0	4.0	530.0	1911+74.70	DR-306	40.9	
180.0	IA 62			Left	36.0	4.0	30.0	1916+74.70	DR-306	2.3	
181.0	IA 62	1916+74.70	1921+74.70	Left	36.0	4.0	530.0	1916+74.70	DR-306	40.9	
182.0	IA 62			Left	36.0	4.0	30.0	1921+74.70	DR-306	2.3	
183.0	IA 62	1921+74.70	1926+74.70	Left	36.0	4.0	530.0	1921+74.70	DR-306	40.9	
184.0	IA 62			Left	36.0	4.0	30.0	1926+74.70	DR-306	2.3	
185.0	IA 62	1926+74.70	1931+74.70	Left	36.0	4.0	530.0	1926+74.70	DR-306	40.9	
186.0	IA 62			Left	36.0	4.0	30.0	1931+74.70	DR-306	2.3	
187.0	IA 62	1931+74.70	1936+74.70	Left	36.0	4.0	530.0	1931+74.70	DR-306	40.9	
188.0	IA 62			Left	36.0	4.0	30.0	1936+74.70	DR-306	2.3	

Line No.	Road or Lane Identification	Station From	Station To	Side	Depth (IN) (D)	Subdrain Size (IN)	Length (FT)	Outlet Station	Outlet Type	Porous Backfill* (CY)	Remarks
189.0	IA 62	1936+74.70	1941+74.70	Left	36.0	4.0	530.0	1936+74.70	DR-306	40.9	
190.0	IA 62			Left	36.0	4.0	30.0	1941+74.70	DR-306	2.3	
191.0	IA 62	1941+74.70	1946+74.70	Left	36.0	4.0	530.0	1941+74.70	DR-306	40.9	
192.0	IA 62			Left	36.0	4.0	30.0	1946+74.70	DR-306	2.3	
193.0	IA 62	1946+74.70	1950+00.00	Left	36.0	4.0	355.3	1946+74.70	DR-306	27.4	
194.0	IA 62			Left	36.0	4.0	30.0	1950+00.00	DR-306	2.3	
194.1											
194.2											
195.0	IA 62	420+00.00	425+00.00	Right	36.0	4.0	530.0	420+00.00	DR-306	40.9	
196.0	IA 62			Right	36.0	4.0	30.0	425+00.00	DR-306	2.3	
197.0	IA 62	425+00.00	430+00.00	Right	36.0	4.0	530.0	425+00.00	DR-306	40.9	
198.0	IA 62			Right	36.0	4.0	30.0	430+00.00	DR-306	2.3	
199.0	IA 62	430+00.00	431+10.00	Right	36.0	4.0	140.0	430+00.00	DR-306	10.8	
200.0	IA 62			Right	36.0	4.0	30.0	431+10.00	DR-306	2.3	
201.0	IA 62	436+47.90	441+47.90	Right	36.0	4.0	530.0	436+47.90	DR-306	40.9	
202.0	IA 62			Right	36.0	4.0	30.0	441+47.90	DR-306	2.3	
203.0	IA 62	441+47.90	446+47.90	Right	36.0	4.0	530.0	441+47.90	DR-306	40.9	
204.0	IA 62			Right	36.0	4.0	30.0	446+47.90	DR-306	2.3	
205.0	IA 62	446+47.90	451+47.90	Right	36.0	4.0	530.0	446+47.90	DR-306	40.9	
206.0	IA 62			Right	36.0	4.0	30.0	451+47.90	DR-306	2.3	
207.0	IA 62	451+47.90	456+00.00	Right	36.0	4.0	482.1	451+47.90	DR-306	37.2	
208.0	IA 62			Right	36.0	4.0	30.0	456+00.00	DR-306	2.3	
209.0	IA 62	463+00.00	464+00.00	Right	36.0	4.0	130.0	463+00.00	DR-306	10.0	
210.0	IA 62			Right	36.0	4.0	30.0	464+00.00	DR-306	2.3	
211.0	IA 62	468+00.00	469+00.00	Right	36.0	4.0	130.0	468+00.00	DR-306	10.0	
212.0	IA 62			Right	36.0	4.0	30.0	469+00.00	DR-306	2.3	
213.0	IA 62	469+00.00	474+00.00	Right	36.0	4.0	530.0	469+00.00	DR-306	40.9	
214.0	IA 62			Right	36.0	4.0	30.0	474+00.00	DR-306	2.3	
215.0	IA 62	474+00.00	479+00.00	Right	36.0	4.0	530.0	474+00.00	DR-306	40.9	
216.0	IA 62			Right	36.0	4.0	30.0	479+00.00	DR-306	2.3	
217.0	IA 62	479+00.00	484+00.00	Right	36.0	4.0	530.0	479+00.00	DR-306	40.9	
218.0	IA 62			Right	36.0	4.0	30.0	484+00.00	DR-306	2.3	
219.0	IA 62	484+00.00	489+00.00	Right	36.0	4.0	530.0	484+00.00	DR-306	40.9	
220.0	IA 62			Right	36.0	4.0	30.0	489+00.00	DR-306	2.3	
221.0	IA 62	489+00.00	494+00.00	Right	36.0	4.0	530.0	489+00.00	DR-306	40.9	
222.0	IA 62			Right	36.0	4.0	30.0	494+00.00	DR-306	2.3	
223.0	IA 62	494+00.00	499+00.00	Right	36.0	4.0	530.0	494+00.00	DR-306	40.9	
224.0	IA 62			Right	36.0	4.0	30.0	499+00.00	DR-306	2.3	
225.0	IA 62	499+00.00	504+00.00	Right	36.0	4.0	530.0	499+00.00	DR-306	40.9	
226.0	IA 62			Right	36.0	4.0	30.0	504+00.00	DR-306	2.3	
227.0	IA 62	504+00.00	507+00.00	Right	36.0	4.0	330.0	504+00.00	DR-306	25.5	
228.0	IA 62			Right	36.0	4.0	30.0	507+00.00	DR-306	2.3	
229.0	IA 62	526+27.00	531+27.00	Right	36.0	4.0	530.0	526+27.00	DR-306	40.9	
230.0	IA 62			Right	36.0	4.0	30.0	531+27.00	DR-306	2.3	
231.0	IA 62	531+27.00	536+27.00	Right	36.0	4.0	530.0	531+27.00	DR-306	40.9	
232.0	IA 62			Right	36.0	4.0	30.0	536+27.00	DR-306	2.3	
233.0	IA 62	536+27.00	540+00.00	Right	36.0	4.0	403.0	536+27.00	DR-306	31.1	

Line No.	Road or Lane Identification	Station From	Station To	Side	Depth (IN) (D)	Subdrain Size (IN)	Length (FT)	Outlet Station	Outlet Type	Porous Backfill* (CY)	Remarks
234.0	IA 62			Right	36.0	4.0	30.0	540+00.00	DR-306	2.3	
235.0	IA 62	550+00.00	555+00.00	Right	36.0	4.0	530.0	550+00.00	DR-306	40.9	
236.0	IA 62			Right	36.0	4.0	30.0	555+00.00	DR-306	2.3	
237.0	IA 62	555+00.00	560+00.00	Right	36.0	4.0	530.0	555+00.00	DR-306	40.9	
238.0	IA 62			Right	36.0	4.0	30.0	560+00.00	DR-306	2.3	
239.0	IA 62	560+00.00	565+00.00	Right	36.0	4.0	530.0	560+00.00	DR-306	40.9	
240.0	IA 62			Right	36.0	4.0	30.0	565+00.00	DR-306	2.3	
241.0	IA 62	565+00.00	570+00.00	Right	36.0	4.0	530.0	565+00.00	DR-306	40.9	
242.0	IA 62			Right	36.0	4.0	30.0	570+00.00	DR-306	2.3	
243.0	IA 62	570+00.00	575+00.00	Right	36.0	4.0	530.0	570+00.00	DR-306	40.9	
244.0	IA 62			Right	36.0	4.0	30.0	575+00.00	DR-306	2.3	
245.0	IA 62	575+00.00	580+00.00	Right	36.0	4.0	530.0	575+00.00	DR-306	40.9	
246.0	IA 62			Right	36.0	4.0	30.0	580+00.00	DR-306	2.3	
247.0	IA 62	580+00.00	585+00.00	Right	36.0	4.0	530.0	580+00.00	DR-306	40.9	
248.0	IA 62			Right	36.0	4.0	30.0	585+00.00	DR-306	2.3	
249.0	IA 62	585+00.00	590+00.00	Right	36.0	4.0	530.0	585+00.00	DR-306	40.9	
250.0	IA 62			Right	36.0	4.0	30.0	590+00.00	DR-306	2.3	
251.0	IA 62	590+00.00	593+82.00	Right	36.0	4.0	412.0	590+00.00	DR-306	31.8	
252.0	IA 62			Right	36.0	4.0	30.0	593+82.00	DR-306	2.3	
253.0	IA 62	602+41.57	607+41.57	Right	36.0	4.0	530.0	602+41.57	DR-306	40.9	
254.0	IA 62			Right	36.0	4.0	30.0	607+41.57	DR-306	2.3	
255.0	IA 62	607+41.57	612+41.57	Right	36.0	4.0	530.0	607+41.57	DR-306	40.9	
256.0	IA 62			Right	36.0	4.0	30.0	612+41.57	DR-306	2.3	
257.0	IA 62	612+41.57	617+41.57	Right	36.0	4.0	530.0	612+41.57	DR-306	40.9	
258.0	IA 62			Right	36.0	4.0	30.0	617+41.57	DR-306	2.3	
259.0	IA 62	617+41.57	622+41.57	Right	36.0	4.0	530.0	617+41.57	DR-306	40.9	
260.0	IA 62			Right	36.0	4.0	30.0	622+41.57	DR-306	2.3	
261.0	IA 62	622+41.57	627+41.57	Right	36.0	4.0	530.0	622+41.57	DR-306	40.9	
262.0	IA 62			Right	36.0	4.0	30.0	627+41.57	DR-306	2.3	
263.0	IA 62	627+41.57	630+00.00	Right	36.0	4.0	288.4	627+41.57	DR-306	22.3	
264.0	IA 62			Right	36.0	4.0	30.0	630+00.00	DR-306	2.3	
265.0	IA 62	640+00.00	645+00.00	Right	36.0	4.0	530.0	640+00.00	DR-306	40.9	
266.0	IA 62			Right	36.0	4.0	30.0	645+00.00	DR-306	2.3	
267.0	IA 62	645+00.00	650+00.00	Right	36.0	4.0	530.0	645+00.00	DR-306	40.9	
268.0	IA 62			Right	36.0	4.0	30.0	650+00.00	DR-306	2.3	
269.0	IA 62	650+00.00	655+00.00	Right	36.0	4.0	530.0	650+00.00	DR-306	40.9	
270.0	IA 62			Right	36.0	4.0	30.0	655+00.00	DR-306	2.3	
271.0	IA 62	655+00.00	660+00.00	Right	36.0	4.0	530.0	655+00.00	DR-306	40.9	
272.0	IA 62			Right	36.0	4.0	30.0	660+00.00	DR-306	2.3	
273.0	IA 62	660+00.00	665+00.00	Right	36.0	4.0	530.0	660+00.00	DR-306	40.9	
274.0	IA 62			Right	36.0	4.0	30.0	665+00.00	DR-306	2.3	
275.0	IA 62	665+00.00	670+00.00	Right	36.0	4.0	530.0	665+00.00	DR-306	40.9	
276.0	IA 62			Right	36.0	4.0	30.0	670+00.00	DR-306	2.3	
277.0	IA 62	670+00.00	675+00.00	Right	36.0	4.0	530.0	670+00.00	DR-306	40.9	
278.0	IA 62			Right	36.0	4.0	30.0	675+00.00	DR-306	2.3	
279.0	IA 62	675+00.00	680+00.00	Right	36.0	4.0	530.0	675+00.00	DR-306	40.9	
280.0	IA 62			Right	36.0	4.0	30.0	680+00.00	DR-306	2.3	

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LONGITUDINAL SUBDRAIN SHOULDER											
* Not a bid item.											
Line No.	Road or Lane Identification	Station From	Station To	Side	Depth (IN) (D)	Subdrain Size (IN)	Length (FT)	Outlet Station	Outlet Type	Porous Backfill* (CY)	Remarks
281.0	IA 62	680+00.00	685+00.00	Right	36.0	4.0	530.0	680+00.00	DR-306	40.9	
282.0	IA 62			Right	36.0	4.0	30.0	685+00.00	DR-306	2.3	
283.0	IA 62	685+00.00	690+00.00	Right	36.0	4.0	530.0	685+00.00	DR-306	40.9	
284.0	IA 62			Right	36.0	4.0	30.0	690+00.00	DR-306	2.3	
285.0	IA 62	690+00.00	695+00.00	Right	36.0	4.0	530.0	690+00.00	DR-306	40.9	
286.0	IA 62			Right	36.0	4.0	30.0	695+00.00	DR-306	2.3	
287.0	IA 62	695+00.00	700+00.00	Right	36.0	4.0	530.0	695+00.00	DR-306	40.9	
288.0	IA 62			Right	36.0	4.0	30.0	700+00.00	DR-306	2.3	
289.0	IA 62	700+00.00	702+00.00	Right	36.0	4.0	230.0	700+00.00	DR-306	17.7	
290.0	IA 62			Right	36.0	4.0	30.0	702+00.00	DR-306	2.3	
291.0	IA 62	707+00.00	712+00.00	Right	36.0	4.0	530.0	707+00.00	DR-306	40.9	
292.0	IA 62			Right	36.0	4.0	30.0	712+00.00	DR-306	2.3	
293.0	IA 62	712+00.00	717+00.00	Right	36.0	4.0	530.0	712+00.00	DR-306	40.9	
294.0	IA 62			Right	36.0	4.0	30.0	717+00.00	DR-306	2.3	
295.0	IA 62	717+00.00	722+00.00	Right	36.0	4.0	530.0	717+00.00	DR-306	40.9	
296.0	IA 62			Right	36.0	4.0	30.0	722+00.00	DR-306	2.3	
297.0	IA 62	722+00.00	727+00.00	Right	36.0	4.0	530.0	722+00.00	DR-306	40.9	
298.0	IA 62			Right	36.0	4.0	30.0	727+00.00	DR-306	2.3	
299.0	IA 62	727+00.00	732+00.00	Right	36.0	4.0	530.0	727+00.00	DR-306	40.9	
300.0	IA 62			Right	36.0	4.0	30.0	732+00.00	DR-306	2.3	
301.0	IA 62	732+00.00	737+00.00	Right	36.0	4.0	530.0	732+00.00	DR-306	40.9	
302.0	IA 62			Right	36.0	4.0	30.0	737+00.00	DR-306	2.3	
303.0	IA 62	737+00.00	740+74.00	Right	36.0	4.0	404.0	737+00.00	DR-306	31.2	
304.0	IA 62			Right	36.0	4.0	30.0	740+74.00	DR-306	2.3	
305.0	IA 62	749+22.00	754+22.00	Right	36.0	4.0	530.0	749+22.00	DR-306	40.9	
306.0	IA 62			Right	36.0	4.0	30.0	754+22.00	DR-306	2.3	
307.0	IA 62	754+22.00	759+22.00	Right	36.0	4.0	530.0	754+22.00	DR-306	40.9	
308.0	IA 62			Right	36.0	4.0	30.0	759+22.00	DR-306	2.3	
309.0	IA 62	759+22.00	764+22.00	Right	36.0	4.0	530.0	759+22.00	DR-306	40.9	
310.0	IA 62			Right	36.0	4.0	30.0	764+22.00	DR-306	2.3	
311.0	IA 62	764+22.00	769+22.00	Right	36.0	4.0	530.0	764+22.00	DR-306	40.9	
312.0	IA 62			Right	36.0	4.0	30.0	769+22.00	DR-306	2.3	
313.0	IA 62	769+22.00	774+22.00	Right	36.0	4.0	530.0	769+22.00	DR-306	40.9	
314.0	IA 62			Right	36.0	4.0	30.0	774+22.00	DR-306	2.3	
315.0	IA 62	774+22.00	779+22.00	Right	36.0	4.0	530.0	774+22.00	DR-306	40.9	
316.0	IA 62			Right	36.0	4.0	30.0	779+22.00	DR-306	2.3	
317.0	IA 62	782+50.00	787+50.00	Right	36.0	4.0	530.0	782+50.00	DR-306	40.9	
318.0	IA 62			Right	36.0	4.0	30.0	787+50.00	DR-306	2.3	
319.0	IA 62	787+50.00	792+50.00	Right	36.0	4.0	530.0	787+50.00	DR-306	40.9	
320.0	IA 62			Right	36.0	4.0	30.0	792+50.00	DR-306	2.3	
321.0	IA 62	792+50.00	797+50.00	Right	36.0	4.0	530.0	792+50.00	DR-306	40.9	
322.0	IA 62			Right	36.0	4.0	30.0	797+50.00	DR-306	2.3	
323.0	IA 62	797+50.00	802+50.00	Right	36.0	4.0	530.0	797+50.00	DR-306	40.9	
324.0	IA 62			Right	36.0	4.0	30.0	802+50.00	DR-306	2.3	
325.0	IA 62	802+50.00	805+00.00	Right	36.0	4.0	280.0	802+50.00	DR-306	21.6	
326.0	IA 62			Right	36.0	4.0	30.0	805+00.00	DR-306	2.3	
327.0	IA 62	815+00.00	820+00.00	Right	36.0	4.0	530.0	815+00.00	DR-306	40.9	

Line No.	Road or Lane Identification	Station From	Station To	Side	Depth (IN) (D)	Subdrain Size (IN)	Length (FT)	Outlet Station	Outlet Type	Porous Backfill* (CY)	Remarks
328.0	IA 62			Right	36.0	4.0	30.0	820+00.00	DR-306	2.3	
329.0	IA 62	820+00.00	825+00.00	Right	36.0	4.0	530.0	820+00.00	DR-306	40.9	
330.0	IA 62			Right	36.0	4.0	30.0	825+00.00	DR-306	2.3	
331.0	IA 62	825+00.00	830+00.00	Right	36.0	4.0	530.0	825+00.00	DR-306	40.9	
332.0	IA 62			Right	36.0	4.0	30.0	830+00.00	DR-306	2.3	
333.0	IA 62	830+00.00	835+00.00	Right	36.0	4.0	530.0	830+00.00	DR-306	40.9	
334.0	IA 62			Right	36.0	4.0	30.0	835+00.00	DR-306	2.3	
335.0	IA 62	835+00.00	840+00.00	Right	36.0	4.0	530.0	835+00.00	DR-306	40.9	
336.0	IA 62			Right	36.0	4.0	30.0	840+00.00	DR-306	2.3	
337.0	IA 62	840+00.00	845+00.00	Right	36.0	4.0	530.0	840+00.00	DR-306	40.9	
338.0	IA 62			Right	36.0	4.0	30.0	845+00.00	DR-306	2.3	
339.0	IA 62	845+00.00	850+00.00	Right	36.0	4.0	530.0	845+00.00	DR-306	40.9	
340.0	IA 62			Right	36.0	4.0	30.0	850+00.00	DR-306	2.3	
341.0	IA 62	850+00.00	855+00.00	Right	36.0	4.0	530.0	850+00.00	DR-306	40.9	
342.0	IA 62			Right	36.0	4.0	30.0	855+00.00	DR-306	2.3	
343.0	IA 62	855+00.00	860+00.00	Right	36.0	4.0	530.0	855+00.00	DR-306	40.9	
344.0	IA 62			Right	36.0	4.0	30.0	860+00.00	DR-306	2.3	
345.0	IA 62	860+00.00	865+00.00	Right	36.0	4.0	530.0	860+00.00	DR-306	40.9	
346.0	IA 62			Right	36.0	4.0	30.0	865+00.00	DR-306	2.3	
347.0	IA 62	865+00.00	870+00.00	Right	36.0	4.0	530.0	865+00.00	DR-306	40.9	
348.0	IA 62			Right	36.0	4.0	30.0	870+00.00	DR-306	2.3	
349.0	IA 62	870+00.00	872+00.00	Right	36.0	4.0	230.0	870+00.00	DR-306	17.7	
350.0	IA 62			Right	36.0	4.0	30.0	872+00.00	DR-306	2.3	
351.0	IA 62	882+00.00	887+00.00	Right	36.0	4.0	530.0	882+00.00	DR-306	40.9	
352.0	IA 62			Right	36.0	4.0	30.0	887+00.00	DR-306	2.3	
353.0	IA 62	887+00.00	892+00.00	Right	36.0	4.0	530.0	887+00.00	DR-306	40.9	
354.0	IA 62			Right	36.0	4.0	30.0	892+00.00	DR-306	2.3	
355.0	IA 62	892+00.00	897+00.00	Right	36.0	4.0	530.0	892+00.00	DR-306	40.9	
356.0	IA 62			Right	36.0	4.0	30.0	897+00.00	DR-306	2.3	
357.0	IA 62	897+00.00	902+00.00	Right	36.0	4.0	530.0	897+00.00	DR-306	40.9	
358.0	IA 62			Right	36.0	4.0	30.0	902+00.00	DR-306	2.3	
359.0	IA 62	902+00.00	903+25.00	Right	36.0	4.0	155.0	902+00.00	DR-306	12.0	
360.0	IA 62			Right	36.0	4.0	30.0	903+25.00	DR-306	2.3	
361.0	IA 62	909+77.00	911+76.73	Right	36.0	4.0	229.7	909+77.00	DR-306	17.7	
362.0	IA 62			Right	36.0	4.0	30.0	911+76.73	DR-306	2.3	
363.0	IA 62	1911+74.70	1916+74.70	Right	36.0	4.0	530.0	1911+74.70	DR-306	40.9	
364.0	IA 62			Right	36.0	4.0	30.0	1916+74.70	DR-306	2.3	
365.0	IA 62	1916+74.70	1921+74.70	Right	36.0	4.0	530.0	1916+74.70	DR-306	40.9	
366.0	IA 62			Right	36.0	4.0	30.0	1921+74.70	DR-306	2.3	
367.0	IA 62	1921+74.70	1926+74.70	Right	36.0	4.0	530.0	1921+74.70	DR-306	40.9	
368.0	IA 62			Right	36.0	4.0	30.0	1926+74.70	DR-306	2.3	
369.0	IA 62	1926+74.70	1931+35.00	Right	36.0	4.0	490.3	1926+74.70	DR-306	37.8	
370.0	IA 62			Right	36.0	4.0	30.0	1931+35.00	DR-306	2.3	
371.0	IA 62	1943+03.30	1948+00.00	Right	36.0	4.0	526.7	1943+03.30	DR-306	40.6	
372.0	IA 62			Right	36.0	4.0	30.0	1948+00.00	DR-306	2.3	
373.0	IA 62	1948+00.00	1953+00.00	Right	36.0	4.0	530.0	1948+00.00	DR-306	40.9	
374.0	IA 62			Right	36.0	4.0	30.0	1953+00.00	DR-306	2.3	

104_09A
5/6/24

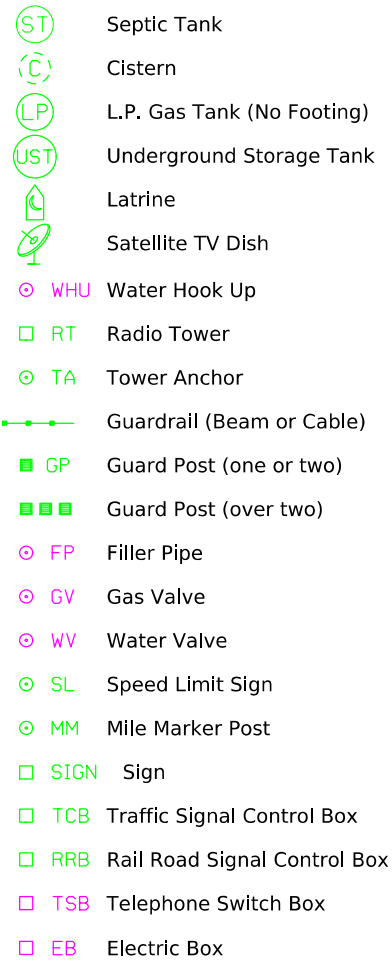
LONGITUDINAL SUBDRAIN SHOULDER

* Not a bid item.

Line No.	Road or Lane Identification	Station From	Station To	Side	Depth (IN) (D)	Subdrain Size (IN)	Length (FT)	Outlet Station	Outlet Type	Porous Backfill* (CY)	Remarks
375.0	IA 62	1953+00.00	1958+00.00	Right	36.0	4.0	530.0	1953+00.00	DR-306	40.9	
376.0	IA 62			Right	36.0	4.0	30.0	1958+00.00	DR-306	2.3	
377.0	IA 62	1958+00.00	1963+00.00	Right	36.0	4.0	530.0	1958+00.00	DR-306	40.9	
378.0	IA 62			Right	36.0	4.0	30.0	1963+00.00	DR-306	2.3	
379.0	IA 62	1963+00.00	1968+00.00	Right	36.0	4.0	530.0	1963+00.00	DR-306	40.9	
380.0	IA 62			Right	36.0	4.0	30.0	1968+00.00	DR-306	2.3	
381.0	IA 62	1968+00.00	1972+97.00	Right	36.0	4.0	527.0	1968+00.00	DR-306	40.7	
382.0	IA 62			Right	36.0	4.0	30.0	1972+97.00	DR-306	2.3	
383.0											
384.0											
Total							99246.2				

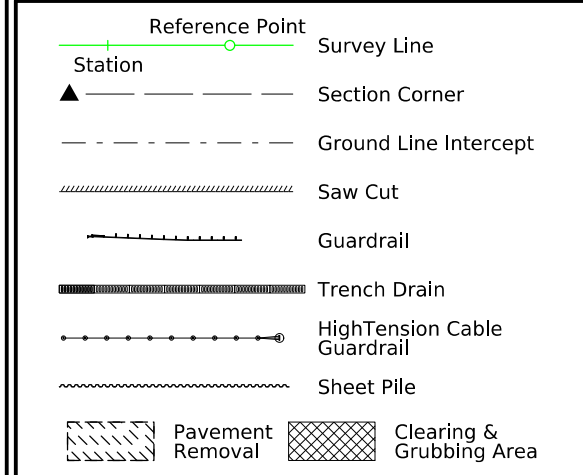
Bid Item Quantities:
Division 1 - Iowa DOT 3R Funding
Subdrain, Longitudinal (Shoulder) 4 IN. DIA. - 99,246 LF
Subdrain Outlet, DR-306 - 382 EA

	Interstate Highway Symbol
	U.S. Highway Symbol
	Iowa Highway Symbol
	County Road Highway Symbol
	Evergreen Tree
	Deciduous Tree
	Fruit Tree
	Shrub (Bushes)
	Timber
	Hedge
	Stump
	Swamp
	Rock Outcrop
	Broken Concrete
	Revetment (Rip Rap)
	Cemetery
	Grave
	Cave
	Sink Hole
	Board Fence
	Chain Link or Security Fence
	Wire Fence
	Terrace
	Earth Dam or Dike (Existing)
	Tile Outlet
	Edge of Water
	Existing Drainage
	Right of Way Rail or Lot Corner
	Concrete Monument
	Well
	Windmill
	Beehive Intake
	Existing Intake
	Existing Utility Access (Manhole)
	Fire Hydrant
	Water Hydrant (Rural)



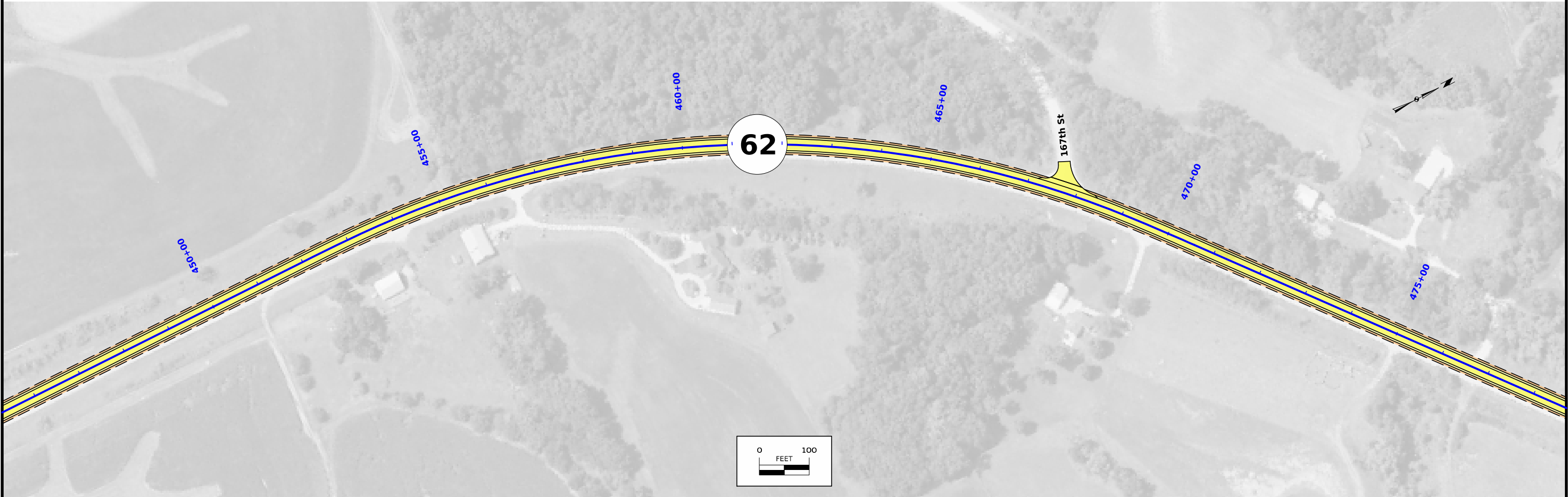
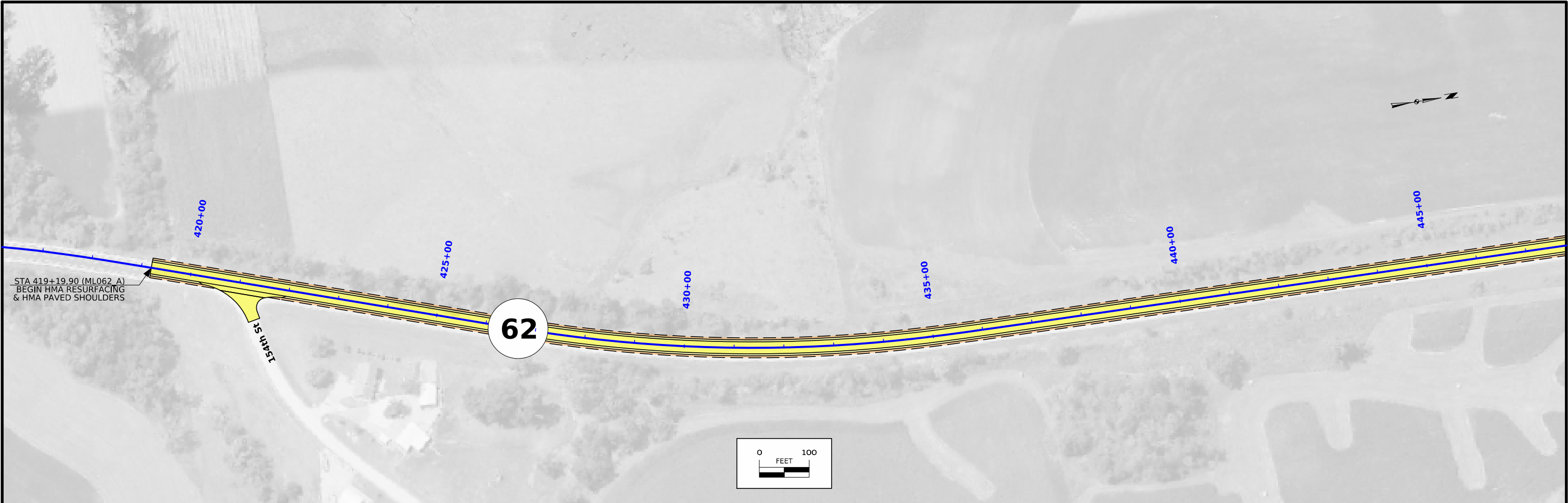
LINEWORK	Design Color No.			
Green	(2)		Existing Topographic Features and Labels	
Blue	(1)		Proposed Alignment, Stationing, Tic Marks, and Alignment Annotation	
Magenta	(5)		Existing Utilities	
SHADING	Design Color No.		Transparency	
Pink, Dark	(13)		Temporary Pavement Shading	50%
Yellow	(4)		Proposed Pavement Shading	50%
Orange	(6)		Proposed Granular Shading	50%
Orange	(70)		Proposed Shoulder Granular Shading	50%
Yellow	(68)		Proposed Shoulder Paved Full Depth Shading	50%
Yellow	(132)		Proposed Shoulder Paved Partial Depth Shading	50%
Brown, Light	(236)		Grading Shading	50%
Orange, Light	(134)		Proposed Granular Entrance Shading	50%
Yellow	(220)		Proposed Paved Entrance Shading	50%
Tan	(8)		Proposed Sidewalk Shading	50%
Blue, Light	(230)		Proposed Sidewalk Landing Shading	50%
Pink	(11)		Proposed Sidewalk Ramp Shading	50%
Red	(3)		Proposed Structure Shading	50%
Red	(3)		Delineates Restricted Areas	0%

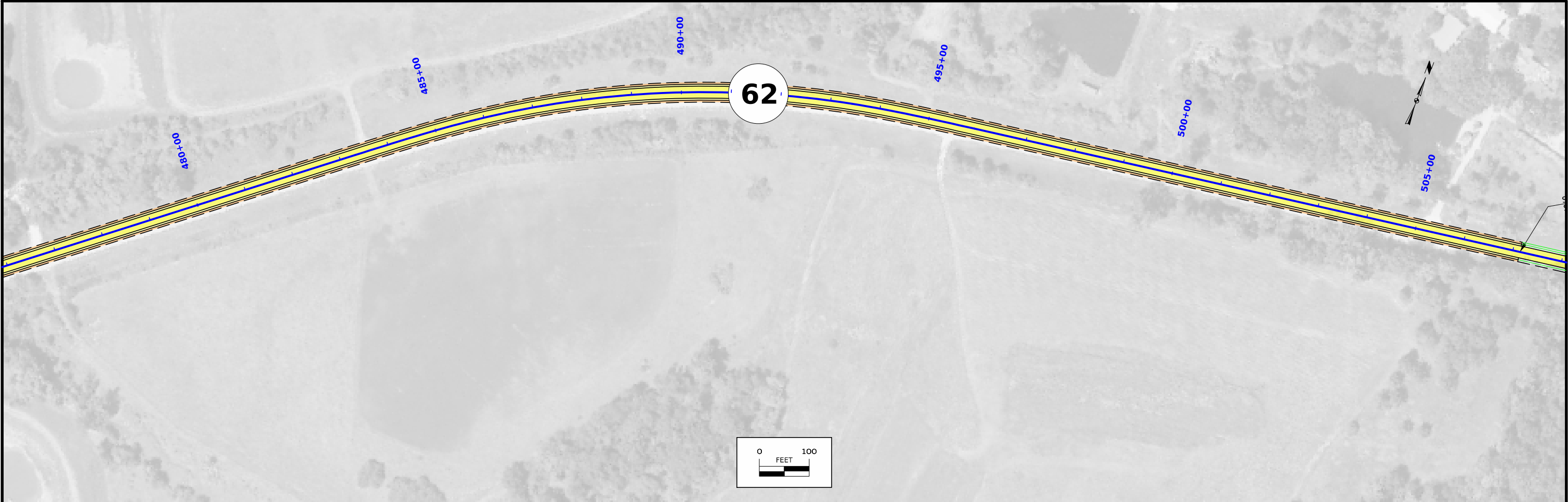
LINEWORK	Design Color No.	
Green	(10)	Existing Ground Line Profile
Blue	(1)	Proposed Profile and Annotation
Magenta	(5)	Existing Utilities
Blue, Light	(230)	Proposed Ditch Grades, Left
Black	(0)	Proposed Ditch Grades, Median
Rust	(14)	Proposed Ditch Grades, Right

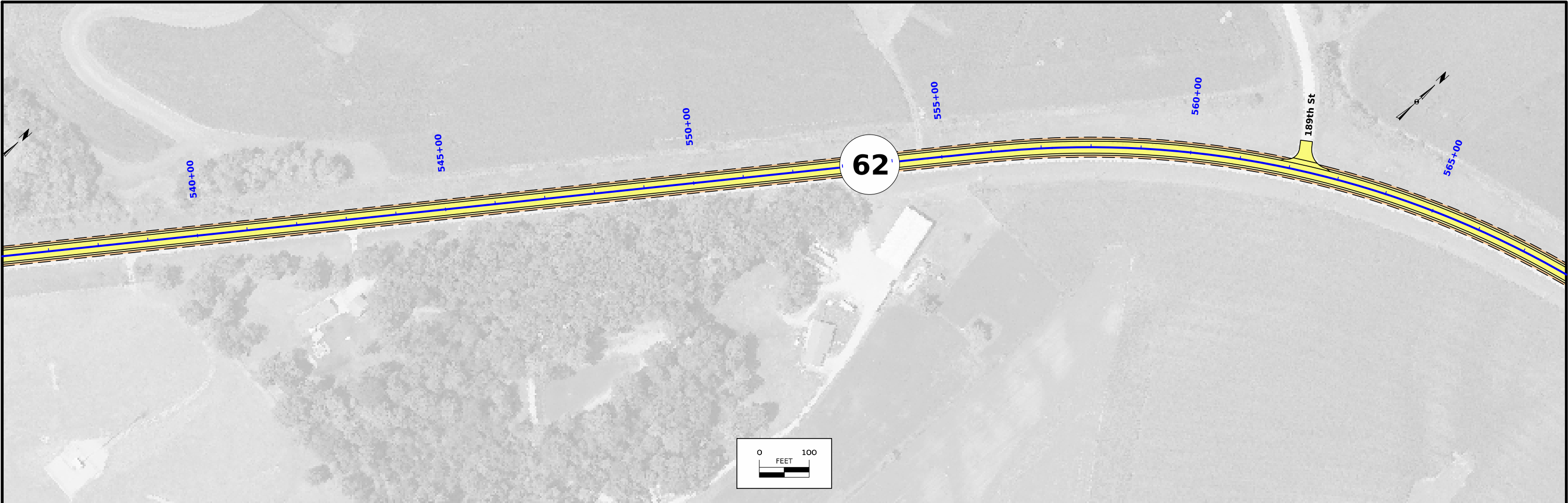


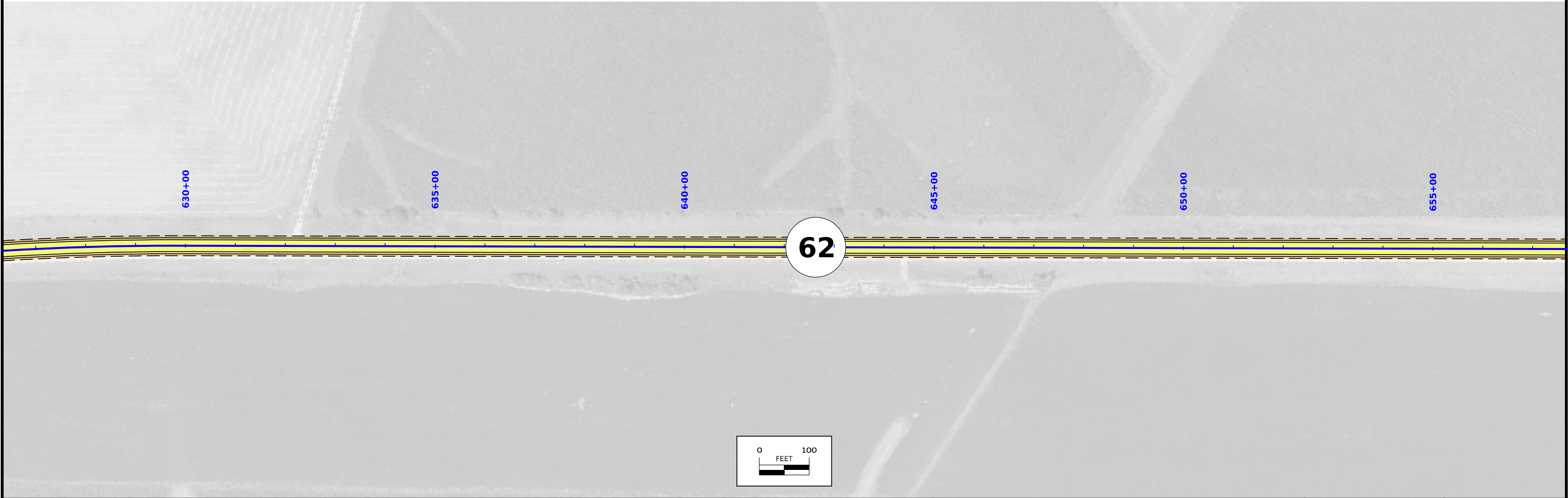
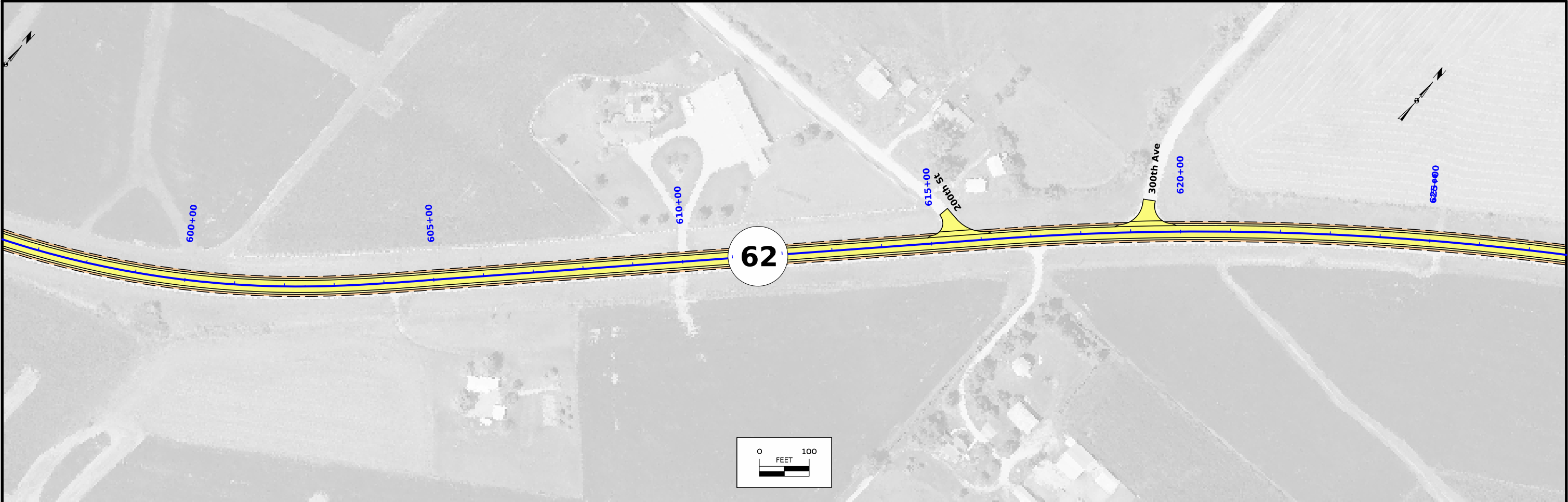
- Proposed Right-of-Way Symbol
- Proposed Right-of-Way Line
- Existing Right of Way
- Existing and Proposed Right-of-Way
- Easement and Existing Right-of-Way
- Easement (Temporary) Symbol
- Easement (Temporary) Line
- Easement
- Access Control
- Property Line Symbol
- Property Line

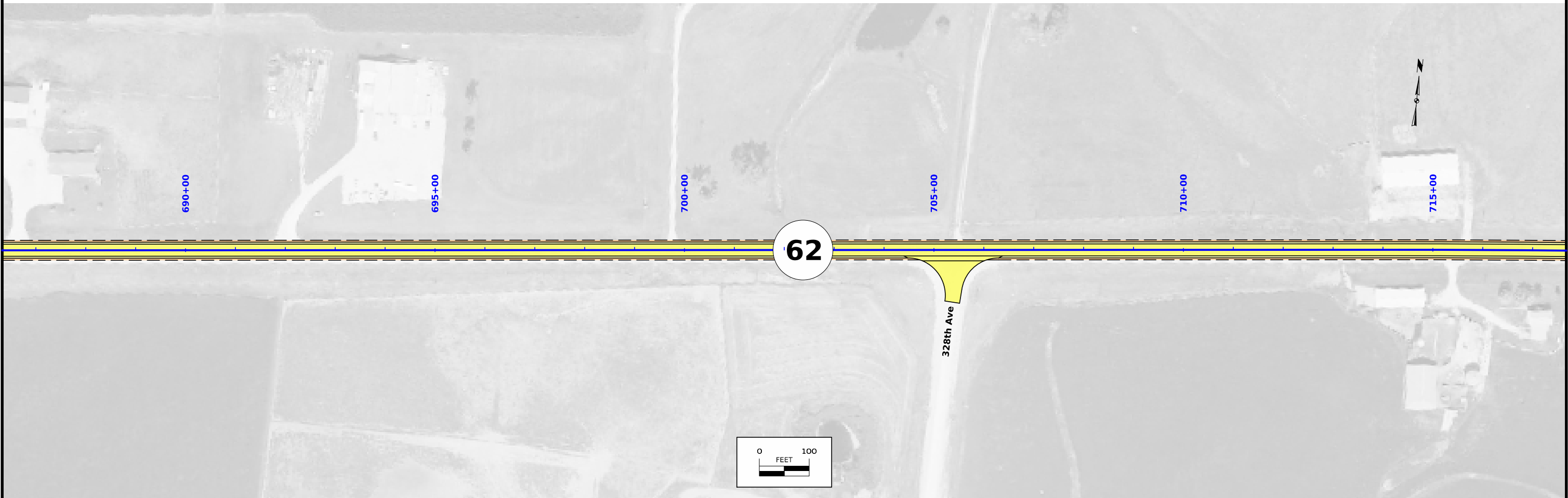
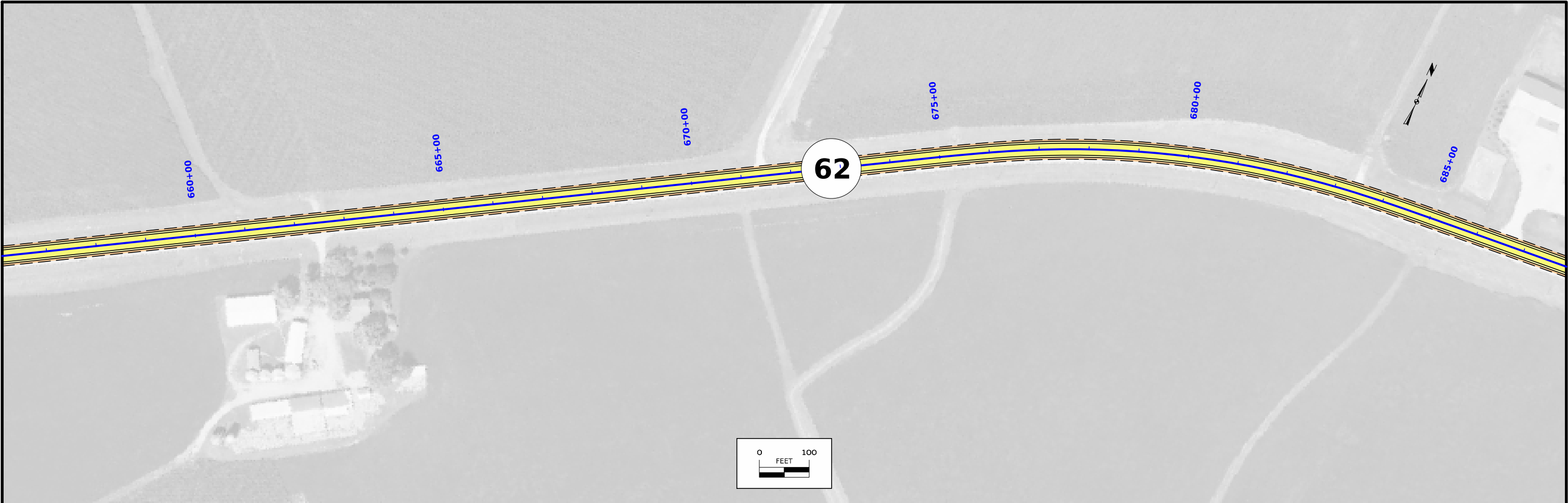
(COVERS SHEET SERIES D, E, F, & K)

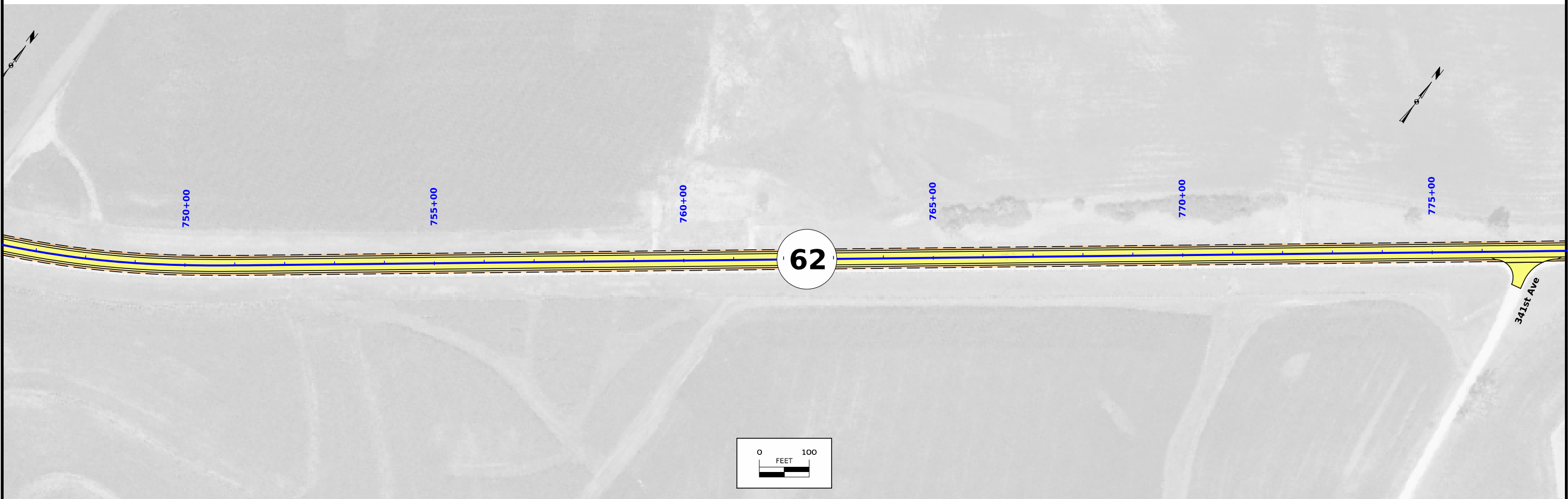
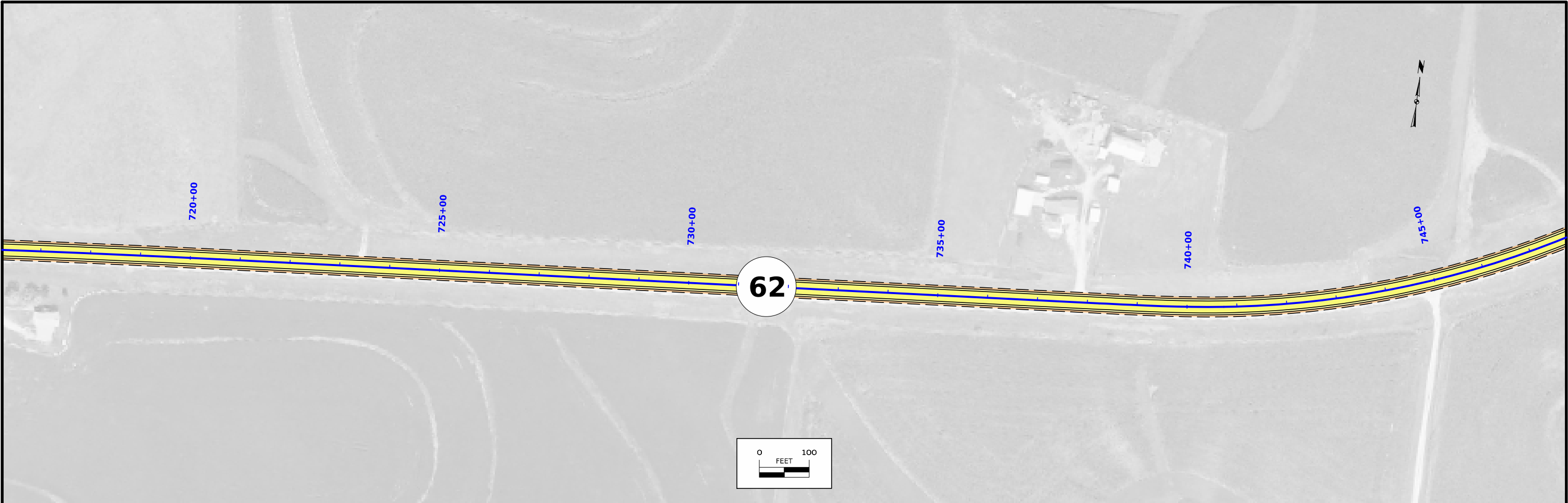


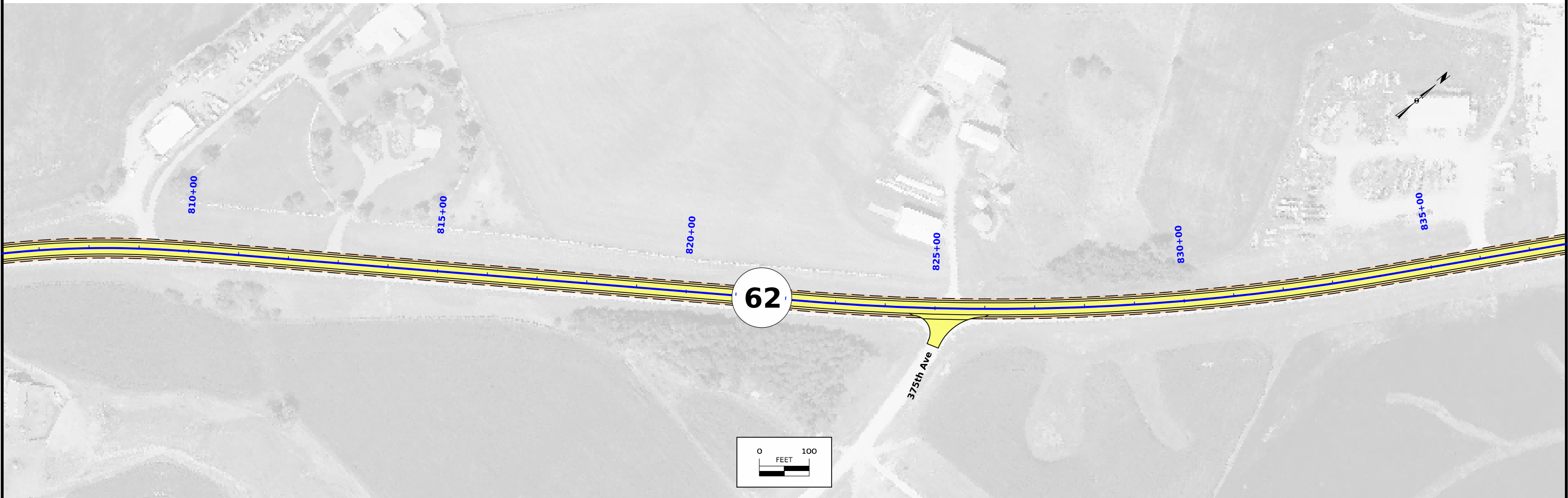
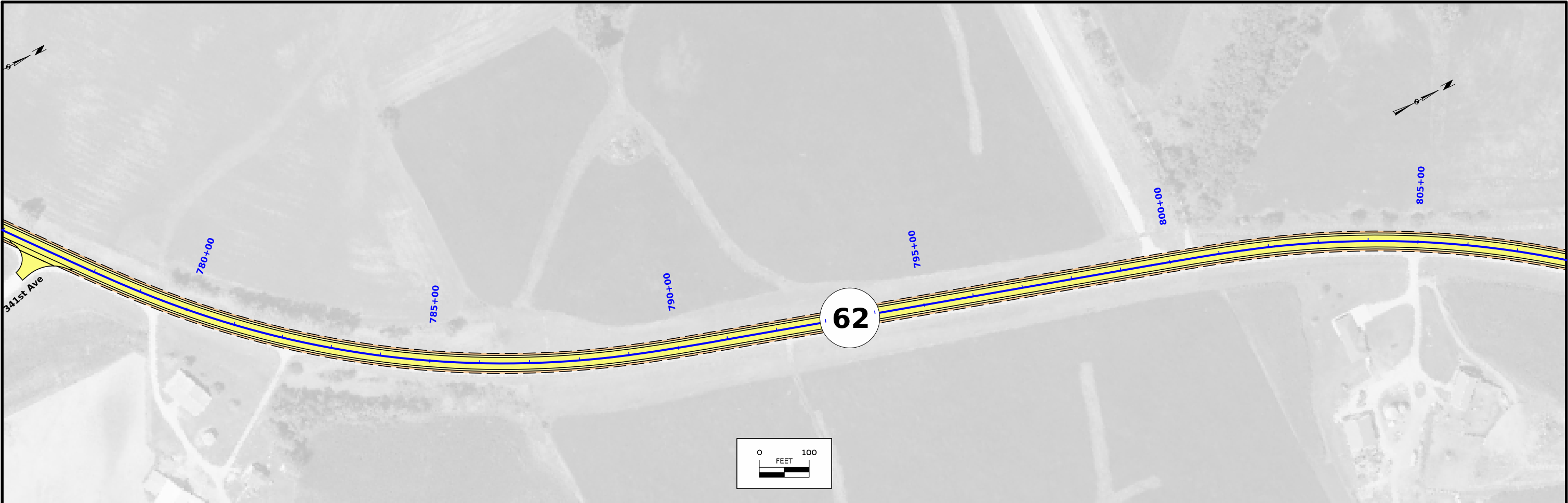


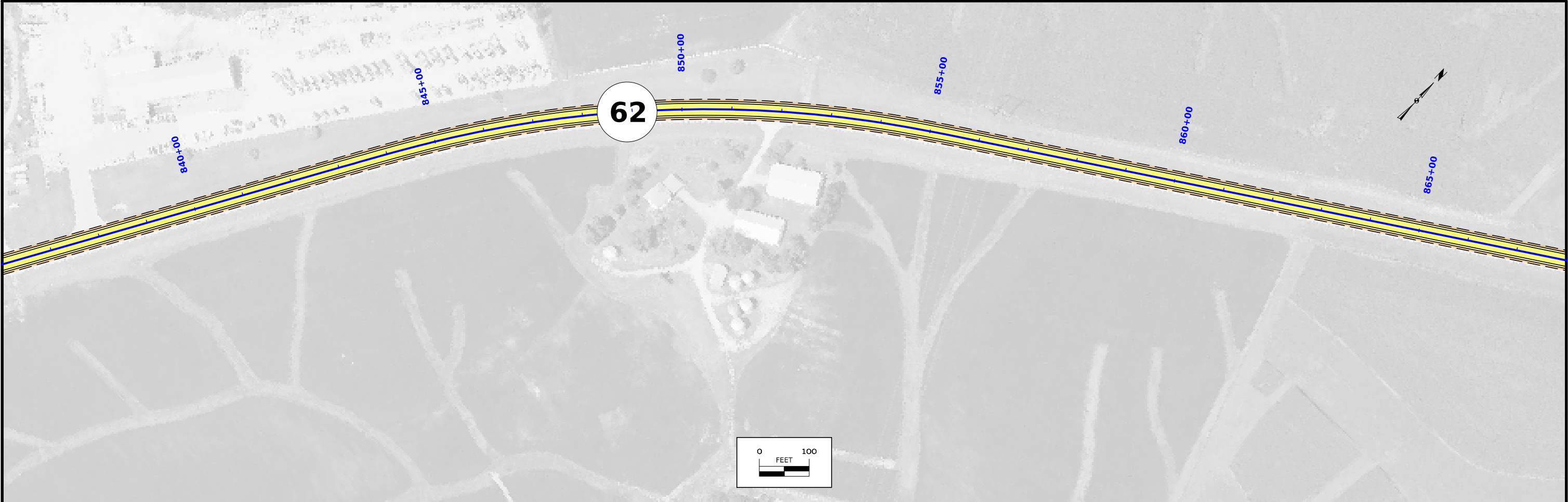


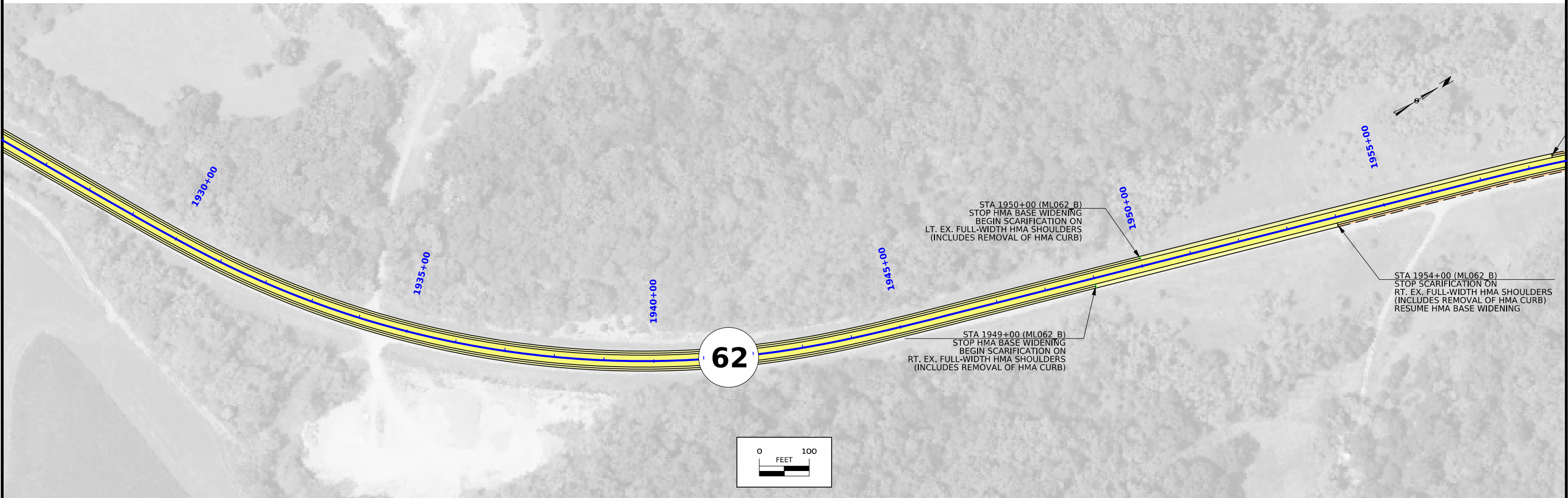
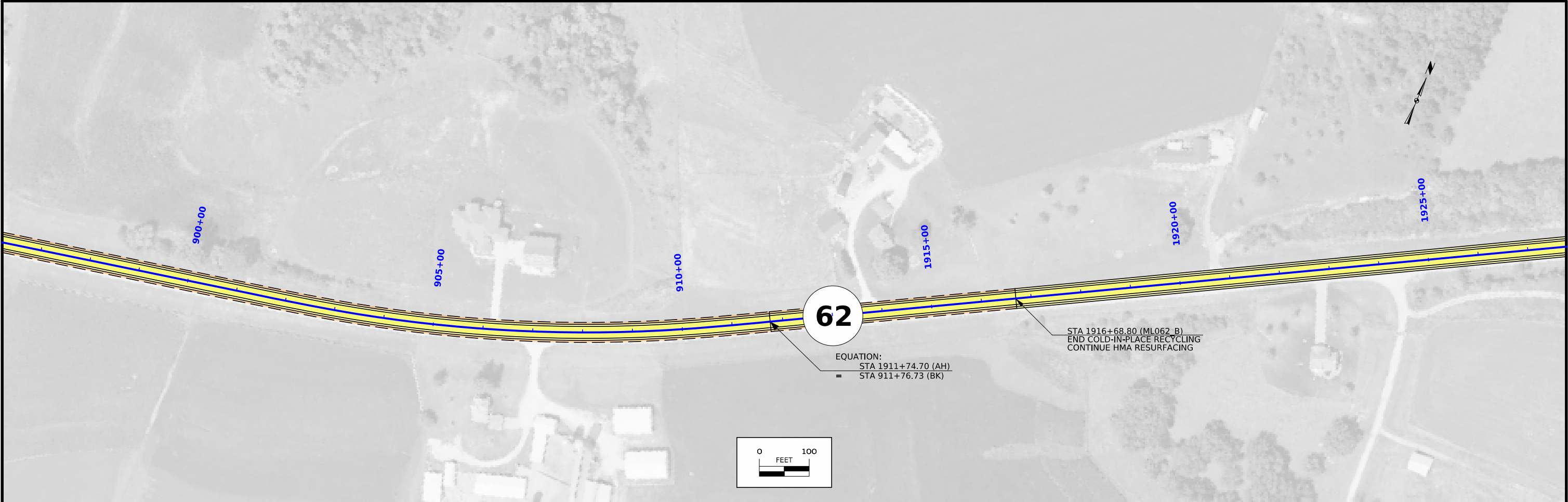


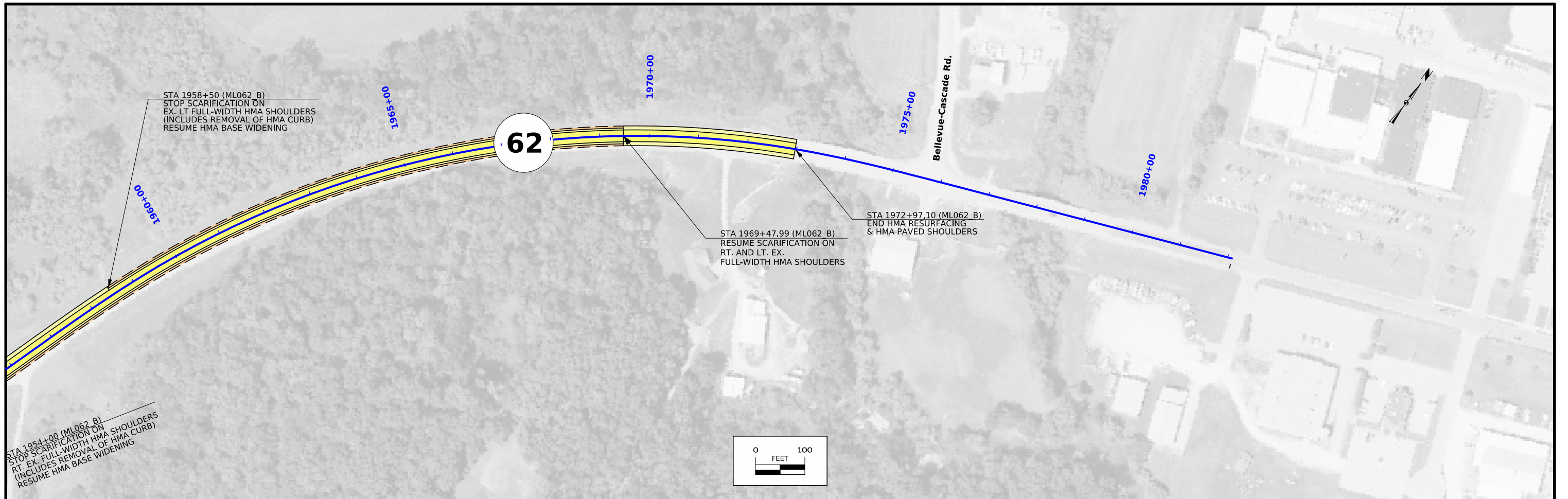












TRAFFIC CONTROL PLAN		108_23A 8/15/22
Local traffic shall be maintained at all times with the use of flaggers and/or pilot cars as necessary.		
Traffic control shall be coordinated with the bridge deck replacement project at Brush Creek, BRF-062-1(030)--38-49, and established detour.		
Traffic Control shall also be coordinated with the Jackson County bridge replacement project on 189th St to ensure no properties become inaccessible during the county's bridge closure.		
Contact the Jackson County Engineer for details regarding coordination of projects. Reference project number: BROS-C049(102)--8J-49		
Jayden Scheckel - Jackson County Engineer 201 W. Platt Street Maquoketa, IA 52060 Phone: 563-652-4782 Email: jceng@jacksoncounty.iowa.gov		

108_26A
8/15/22

STAGING NOTES

IA 62 roadway resurfacing work shall be done concurrently with the Brush Creek bridge replacement project.

All IA 62 resurfacing shall be completed on one end of the bridge project in sufficient manner as to allow that side to be safely opened to traffic prior to roadway work commencing on the opposite side.

111_01 10/14/22 COORDINATED OPERATIONS Other work in progress during the same period of time will include the construction of the projects listed. Coordinate operations with those of other contractors working within the same area.	
Project	Type of Work
BRF-062-1(030)--38-49	Bridge Deck Replacement
HSIPX-062-1(032)--3L-49	HMA Paved Shoulder

110_12 1/13/23 POLLUTION PREVENTION PLAN This project is regulated by the requirements of the Iowa Department of Natural Resources (DNR) National Pollutant Discharge Elimination System (NPDES) General Permit No. 2 OR an Iowa Department of Natural Resources (DNR) National Pollutant Discharge Elimination System (NPDES) individual storm water permit. The Contractor shall carry out the terms and conditions of this permit and the Pollution Prevention Plan (PPP). This Base PPP includes information on Roles and Responsibilities, Project Site Description, Controls, Maintenance Procedures, Inspection Requirements, Non-Storm Water Controls, Potential Sources of Off Right-of-Way Pollution, and Definitions. This plan references other documents rather than repeating the information contained in the documents. A copy of this Base Pollution Prevention Plan, amended as needed during construction, will be readily available for review. All contractors shall conduct their operations in a manner that controls pollutants, minimizes erosion, and prevents sediments from entering waters of the state and leaving the highway right-of-way. The Contractor shall be responsible for compliance and implementation of the PPP for their entire contract. This responsibility shall be further shared with subcontractors whose work is a source of potential pollution as defined in this PPP. I. ROLES AND RESPONSIBILITES A. Designer: - Prepares Base PPP included in the project plan. - Prepares Notice of Intent (NOI) submitted to Iowa DNR. - Is signature authority on the Base PPP. If consultant designed, signature from Contracting Authority is also required. B. Contractor: - Signs a co-permittee certification statement adhering to the requirements of the NPDES permit and this PPP. All co-permittees are legally required under the Clean Water Act and the Iowa Administrative Code to ensure compliance with the terms and conditions of this PPP. - Designates a Water Pollution Control Manager (WPCM), who has the duties and responsibilities as defined in Section 2602 of the Standard Specifications. - Submits an Erosion Control Implementation Plan (ECIP) and ECIP updates according to Section 2602 of the Standard Specifications. - Installs and maintains appropriate controls. This work may be subcontracted as documented through Subcontractor Request Forms (Form 830231). - Supervises and implements good housekeeping practices according to Paragraph III, C, 2. - Conducts joint required inspections of the site with inspection staff. When Contractor is not mobilized on site, Contractor may delegate this responsibility to a trained or certified subcontractor. Contracting Authority also may waive joint inspection requirement during winter shutdown. In both circumstances, WPCM (or trained or certified delegate from the Contractor) is still responsible to review and sign inspection reports. - Complies with training and certification requirements of Section 2602 of the Standard Specifications. - Submits amended PPP site map according to Section 2602 of the Standard Specifications. C. Subcontractors: - Sign a co-permittee certification statement adhering to the requirements of the NPDES permit and this PPP if: responsible for sediment or erosion controls; involved in land disturbing activities; or perorming work that is a source of potential pollution as defined in this PPP. Subcontracted work items are identified in Subcontractor Request Forms (Form 830231). All co-permittees are legally required under the Clean Water Act and the Iowa Administrative Code to ensure compliance with the terms and conditions of this PPP. - Implement good housekeeping practices according to Paragraph III, C, 2. D. RCE/Project Engineer: - Is Project Storm Water Manager. - On projects where DOT is the Contracting Authority, is current with erosion control training or certification. - Takes actions necessary to ensure compliance with storm water requirements including, where appropriate, issuing stop work orders, and directing additional inspections at construction project sites that are experiencing problems with achieving permit compliance. - Orders the taking of measures to cease, correct, prevent, or minimize the consequences of non-compliance with the storm water requirements of the Applicable Permit. - Supervises all work necessary to meet storm water requirements at the Project, including work performed by contractors and subcontractors. - Requires employees, contractors, and subcontractors to take appropriate responsive action to comply with storm water requirements, including requiring any such person to cease or correct a violation of storm water requirements, and to order or recommend such other actions as necessary to meet storm water requirements. - Is familiar with the Project PPP and storm water site map. - On projects where DOT is Contracting Authority, is responsible for periodically monitoring inspection reports to determine whether deficiencies identified in inspection reports were adequately and timely addressed, and if not, has the authority and responsibility to direct immediate actions to correct the deficiencies. - Is the point of contact for the Project for regulatory officials, Inspector, contractors, and subcontractors regarding storm water requirements. - Is signature authority on Notice of Discontinuation. - Maintains an up-to-date record of contractors, subcontractors, and subcontracted work items through Subcontractor Request Forms (Form 830231). - Makes information to determine permit compliance available to the DNR upon their request.				110_12 1/13/23 POLLUTION PREVENTION PLAN E. Inspector: - Updates PPP through fieldbook entries and storm water site inspection reports if there is a change in design, construction, operation, or maintenance which has a significant effect on the discharge of pollutants from the project. - Makes information to determine permit compliance available to the DNR upon their request. - Conducts joint required inspections of the site with the contractor/subcontractor. - Completes an inspection report after each inspection. - Is signature authority on storm water inspection reports. II. PROJECT SITE DESCRIPTION A. This Pollution Prevention Plan (PPP) is for the construction of a HMA Resurfacing project with some earth shoulder grading. B. This PPP covers approximately 245 acres with an estimated 1.0 acre being disturbed. The portion of the PPP covered by this contract has 1.0 acre disturbed. C. The PPP is located in an area of 1 soil association, Downs-Fayette-Nordness. The estimated weighted average runoff coefficient number for this PPP after completion will be 0.32 D. Storm Water Site Map is located in the R sheets. Proposed slopes are shown in cross sections, details, or standard road plans. Supplemental information is located in the Tabulations in the C or CE sheets. E. The base storm water site map is amended by contract modifications and progress payments (fieldbook entries) of completed erosion control work. Also, due to project phasing, erosion and sediment controls shown on project plans may not be installed until needed, based on site conditions. For example, silt fence ditch checks will typically not be installed until the ditch has been installed. Installed locations may also be modified from tabulation locations by field staff. Installed locations will be documented by fieldbook entries and amended PPP site map. F. Runoff from this work will flow into the Mississippi River. III. CONTROLS A. The Contractor’s ECIP specified in Article 2602.03 of the Standard Specifications for accomplishment of storm water controls should clearly describe the intended sequence of major activities, and for each activity define the control measure and the timing during the construction process that the measure will be implemented. B. Preserve vegetation in areas not needed for construction. C. Sections 2601 and 2602 of the Standard Specifications define requirements to implement erosion and sediment control measures. Actual quantities used and installed locations may vary from the Base PPP and amendment of the plan will be documented via fieldbook entries, amended PPP site map, or by contract modification. Additional erosion and sediment control items may be required as determined by the inspector and/or contractor during storm water site inspections. If the work involved is not applicable to any contract items, the work will be paid for according to Article 1109.03 paragraph B of the Standard Specifications. 1. EROSION AND SEDIMENT CONTROLS a. Stabilization Practices - Site plans will ensure that existing vegetation or natural buffers are preserved where attainable and disturbed portions of the site will be stabilized. - Initialize stabilization of disturbed areas immediately after clearing, grading, excavating, or other earth disturbing activities have: - Permanently ceased on any portion of the site, or - Temporarily ceased on any portion of the site and will not resume for a period exceeding 14 calendar days. - Staged permanent and/or temporary stabilizing seeding and mulching shall be completed as the disturbed areas are completed. Incomplete areas shall be stabilized according to paragraph III, C, 1, a, 2, b above. - Permanent and Temporary Stabilization practices to be used for this project are located in the storm water site map, Estimated Project Quantities (100-0A, 100-1A, or 100-1C), and Estimate Reference Information (100-4A) located in the C or R sheets. Typical drawings detailing construction of the practices to be used on this project are referenced in the Standard Road Plans Tabulation (105-4) in the C or R sheets. - Preservation of existing vegetation within right-of-way or easements will act as vegetative buffer strips. - Preservation of topsoil: Bid items to be used for this project are located in the Estimated Project Quantities (100-0A, 100-1A, or 100-1C) and Estimate Reference Information (100-4A) located in the C or R sheets. Additional information may be found in the Tabulations in the C or T Tabulation sheets, or is referenced in Section 2105 of the Standard Specifications. b. Structural Practices - Structural practices will be implemented to divert flows from exposed soils and detain or otherwise limit runoff and the discharge of pollutants from exposed areas of the site. Additionally, structural practices may include: silt basins that provide 3600 cubic feet of storage per acre drained or equivalent sediment controls, outlet structures that withdraw water from surface when discharging basins, and controls to direct storm water to vegetated areas. - Structural practices to be used for this project are located in the storm water site map, Estimated Project Quantities (100-0A, 100-1A, or 100-1C), and Estimate Reference Information (100-4A) located in the C or R sheets, as well as all other item specific Tabulations. Typical drawings detailing construction of the devices to be used on this project can be found on the B or R sheets or are referenced in the Standard Road Plans Tabulation (105-4) located in the C or R sheets.					
FILE NO.		ENGLISH	DESIGN TEAM	KJORMOE/STANLEY	JACKSON COUNTY	PROJECT NUMBER	STP-062-1(031)--2C-49	SHEET NUMBER	RC.1

7/2/2026 10:26:46 AM

@gestaailey@iowadot.us

Measures shall be installed during the construction process to control pollutants in storm water discharges that will occur after construction operations have been completed. This may include velocity dissipation devices at discharge locations and along length of outfall channel as necessary to provide a non-erosion velocity flow from structure to water course. If included with this project, these items are located in the storm water site map and Estimated Project Quantities (100-0A, 100-1A, or 100-1C) and Estimate Reference Information (100-4A) located in the C or R sheets, as well as all other item specific Tabulations. Typical drawings detailing construction of the practices to be used on this project are referenced in the Standard Road Plans Tabulation. The installation of these devices may be subject to Section 404 of the Clean Water Act.

Contractor disposal of unused construction materials and construction material wastes shall comply with applicable state and local waste disposal, sanitary sewer, or septic system regulations. In the event of a conflict with other governmental laws, rules and regulations, the more restrictive laws, rules or regulations shall apply.

- During the course of this construction, it is possible that situations will arise where unknown materials will be encountered. When such situations are encountered, they will be handled according to all federal, state, and local regulations in effect at the time.

The Contractor is required to maintain all temporary erosion and sediment control measures in proper working order, including cleaning, repairing, or replacing them throughout the contract period. This shall begin when the features have lost 50% of their capacity.

A. Inspections shall be made jointly by the Contractor and the Contracting Authority's inspector at least once every seven calendar days. Storm water site inspections will include:

1. Date of the inspection.
2. Summary of the scope of the inspection.
3. Name and qualifications of the personnel making the inspection.
5. Review of erosion and sediment control measures within disturbed areas for the effectiveness in preventing impacts to receiving waters.
6. Major observations related to the implementation of the PPP.
7. Identification of corrective actions required to maintain or modify erosion and sediment control measures.

B. Include storm water site inspection reports in the Amended PPP. Incorporate any additional erosion and sediment control measures determined as a result of the inspection. Immediately begin corrective actions on all deficiencies found within 3 calendar days of the inspection and complete within 7 calendar days following the inspection. If it is determined that making the corrections less than 72 hours after the inspection is impracticable, it should be documented why it is impracticable and indicate an estimated date by which the corrections will be made.

FILE NO.	ENGLISH	DESIGN TEAM	KJORMOE/STANLEY
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Silts, sediment, and other forms of pollution may be transported onto highway right-of-way (ROW) as a result of a storm event. Potential sources of pollution located outside highway ROW are beyond the control of this PPP. Pollution within highway ROW will be conveyed and controlled per this PPP.

- A. Base PPP - Initial Pollution Prevention Plan.
- B. Amended PPP - Base PPP amended during construction. May include Plan Revisions or Contract Modifications for new items, storm water site inspection reports, fieldbook entries made by the inspector, amended PPP site map by the Contractor, ECIP, NOI, co-permittee certifications, and Subcontractor Request Forms. Items amending the PPP are stored electronically and are readily available upon request.
- C. Fieldbook Entries - This contains the inspector's daily diary and bid item postings.
- D. Controls - Methods, practices, or measures to minimize or prevent erosion, control sedimentation, control storm water, or minimize contaminants from other types of waste or materials. Also called Best Management Practices (BMPs).
- E. Signature Authority - Representative authorized to sign various storm water documents.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Printed or Typed Name

PERIMETER AND SLOPE SEDIMENT CONTROL DEVICE						
Possible Standards: EC-204						
Station From	Station To	Side	Sediment Control Device Type	Diameter Size	Length (LF)	Remarks
+.00						
1916+69.68	1958+50.00	Left	Perimeter and Slope	12 inch	4180.00	(A)
1916+69.68	1954+00.00	Right	Perimeter and Slope	12 inch	3730.00	(A)
Total:					7910	

Notes:
(A) An additional 25% discretionary quantity has been added to the total quantity of the item.

Bid Item Quantities:
Perimeter and Slope Sediment Control Device, 12 IN. DIA. - 10,000 LF
Removal of Perimeter and Slope or Ditch Check Sediment Control Device - 10,000 LF