

A d d e n d u m

Iowa Department of Transportation
Office of Contracts Date

Date of Letting: September 15, 2015
of Addendum: September 10, 2015

B.O.	Proposal ID	Proposal Work Type	County	Project Number	Addendum
151	09-0931-025	HMA RESURFACING/ COLD IN-PLACE RECYCLING	BREMER	STPN-093-1(25)--2J-09	15SEP151.A01

Make the following changes to the PROPOSAL SCHEDULE OF PRICES:

Change Proposal Line No. 0500 2529-8174010 SUBBASE (PATCHES):
From: 1,387.600 SY
To: 993.100 SY

If the above changes are not made, they will be made as shown here.

Make the following changes to the plan:

Replace SHEET NUMBER C.1, C.5, C.6, C.7 with the attached
SHEET NUMBER C.1, C.5, C.6, C.7

100-1D
10-18-05

PROJECT DESCRIPTION

This project includes cold-in-place recycling and resurfacing IA 93 in Bremer County from US 63 to Howard Street in Sumner. A section of IA 93 in Tripoli will not be treated. The existing 24 foot average width HMA pavement will have 3.0 inches of cold-in-place recycling and be resurfaced with 1.5 inches of HMA. The existing PCC pavement sections will be resurfaced with 3.0 inches of HMA.

SEE V SHEETS FOR ADDITIONAL BID ITEMS AND QUANTITIES

100-1A
07-15-97

**ESTIMATED PROJECT QUANTITIES
(1 DIVISION PROJECT)**

Item No.	Item Code	Item	Unit	Total	As Built Qty.
1	2102-2625000	EMBANKMENT-IN-PLACE	CY	711.0	
2	2105-8425005	TOPSOIL, FURNISH AND SPREAD	CY	828.8	
3	2105-8425006	TOPSOIL, FURNISH AND SPREAD	LN	14,076.4	
4	2212-6042505	CLEANING AND PREPARATION OF BASE	MI	1.4	
5	2212-6042505	PATCHES, FULL-DEPTH REPAIR	SY	938.7	
6	2212-5070310	PATCHES BY COUNT (REPAIR)	EACH	161	
7	2212-5070330	HOT MIX ASPHALT SURFACE PATCHES	TON	5.0	
8	2212-7100400	RELOCATION OF MAIL BOXES	EACH	1	
9	2224-5145150	PAVEMENT SCARIFICATION	SY	4,685.0	
10	2303-0025000	HOT MIX ASPHALT MIXTURE (1,000,000 ESAL), INTERMEDIATE COURSE, 1/2 IN.	TON	1,367.9	
11	2303-0033504	MIX, FRICTION L-4	TON	16,734.9	
12	2303-0245828	ASPHALT BINDER, PG 58-28	TON	1,086.1	
13	2303-6911000	HOT MIX ASPHALT PAVEMENT SAMPLES	LS	1.00	
14	2303-7000610	PAYMENT ADJUSTMENT INCENTIVE/DISINCENTIVE FOR HMA MIXTURE LABORATORY	EACH	9138	
15	2303-7000620	PAYMENT ADJUSTMENT INCENTIVE/DISINCENTIVE FOR HMA MIXTURE FIELD VOIDS (FORMULA - BY PAY FACTOR)	EACH	9138	
16	2315-8275025	SURFACING, DRIVEWAY, CLASS A CRUSHED STONE	TON	30.0	
17	2317-7000120	PAYMENT ADJUSTMENT INCENTIVE/DISINCENTIVE FOR HMA PAVEMENT SMOOTHNESS (BY SCHEDULE)	EACH	47277	
18	2318-1000100	COLD IN-PLACE RECYCLED ASPHALT PAVEMENT	SY	168,268.9	
19	2401-6745010	REMOVAL OF EXISTING ASPHALT	LN	647.0	
20	2401-6745010	REMOVAL OF EXISTING STRUCTURES	LN	1.00	
21	2401-6745010	REMOVAL OF SIGN	EACH	1	
22	2402-2720100	EXCAVATION, CLASS 20, FOR ROADWAY PIPE CULVERT	CY	8.0	
23	2416-0100030	APRONS, CONCRETE, 30 IN. DIA.	EACH	1	
24	2416-0100042	APRONS, CONCRETE, 42 IN. DIA.	EACH	2	
25	2416-1100030	CULVERT, CONCRETE ROADWAY PIPE, 30 IN. DIA.	LF	4	
26	2416-1100042	CULVERT, CONCRETE ROADWAY PIPE, 42 IN. DIA.	LF	4	
27	2505-4008120	REMOVAL OF STEEL BEAM GUARDRAIL	LF	1,500.0	
28	2505-4008300	STEEL BEAM GUARDRAIL	LF	762.5	
29	2505-4008400	STEEL BEAM GUARDRAIL BARRIER TRANSITION SECTION	EACH	24	
30	2505-4021010	STEEL BEAM GUARDRAIL END ANCHOR, BOLTED	EACH	24	
31	2505-4021700	STEEL BEAM GUARDRAIL END ANCHOR, ROLLED	EACH	24	
32	2519-3300000	FENCE, SAFETY FENCE	LF	1,240.0	
33	2519-3300000	FENCE, SAFETY FENCE	LF	1,240.0	
34	2520-3350010	FIELD LABORATORY	EACH	1	
35	2524-9325150	INSTALL TYPE A SIGN	EACH	1	
36	2527-9263100	PAINTED PAVEMENT MARKING, WATERBORNE OR SOLVENT-BASED	STA	5,640.33	
37	2527-9263131	WET TROPIC REFLECTIVE REMOVABLE TAPE MARKINGS	STA	23.00	
38	2527-9263137	PAINTED SYMBOLS AND LEGENDS, WATERBORNE OR SOLVENT-BASED	EACH	18	
39	2527-9263180	PAVEMENT MARKINGS REMOVED	STA	81.79	
40	2527-9270120	PAVEMENT MARKINGS	STA	1,000.64	
41	2527-9270120	PAVEMENT MARKINGS	EACH	10	
42	2528-8400048	TEMPORARY BARRIER RAIL, CONCRETE	LF	1,925.0	
43	2528-8400256	TEMPORARY TRAFFIC SIGNALS	EACH	2	
44	2528-8445110	TRAFFIC CONTROL	LS	1.00	
45	2528-8445113	FLAGGERS	EACH	1.00	
46	2528-8445115	PILOT CANS	EACH	1.00	
47	2528-8445116	PILOT CANS	EACH	1.00	
48	2529-5070110	PATCHES, FULL-DEPTH FINISH, BY AREA	ACRE	0.5	
49	2529-5070120	PATCHES, FULL-DEPTH FINISH, BY COUNT	EACH	86.0	
50	2529-8174010	SUBBASE (PATCHES)	SY	993.1	
51	2529-8240200	RUMBLE STRIP PANEL (IN FULL DEPTH PATCH)	EACH	2	
52	2533-4900000	MOBILIZATION	LS	1.00	
53	2551-0000110	TEMP CRASH CUSHION	EACH	8	
54	2551-0000110	MILK AND STOCKPILE SALVAGED MATERIALS	EACH	0.00	
55	2601-2630100	MULCHING	ACRE	0.00	
56	2601-2630015	NATIVE GRASS SEEDING	ACRE	0.5	
57	2601-2630043	SEEDING AND FERTILIZING (RURAL)	ACRE	0.4	
58	2601-2642100	STABILIZING CROP - SEEDING AND FERTILIZING	ACRE	0.9	
59	2602-0000020	SILT FENCE	LF	2,530.0	
60	2602-0000030	SILT FENCE FOR DITCH CHECKS	LF	430.0	
61	2602-0000040	NEW FENCE FOR DITCH CHECKS	LF	2,590.0	
62	2602-0000010	MULTIPURPOSE SILT FENCE FOR SILT FENCE FOR DITCH CHECK	LF	890.0	
63	2602-0000312	PERIMETER AND SLOPE SEDIMENT CONTROL DEVICE, 12 IN. DIA.	LF	830.0	
64	2602-0000320	PERIMETER AND SLOPE SEDIMENT CONTROL DEVICE, 20 IN. DIA.	LF	830.0	
65	2602-0000350	REMOVAL OF PERIMETER AND SLOPE SEDIMENT CONTROL DEVICE	LF	1,672.0	
66	2602-0010010	MOBILIZATIONS, EROSION CONTROL	EACH	1	

FILE NO. BREMER COUNTY PROJECT NUMBER STPN-93-1(25) --2J-09 SHEET NUMBER C.1

100-1A
07-15-97

**ESTIMATED PROJECT QUANTITIES
(1 DIVISION PROJECT)**

This project includes cold-in-place recycling and resurfacing IA 93 in Bremer County from US 63 to Howard Street in Sumner. A section of IA 93 in Tripoli will not be treated. The existing 24 foot average width HMA pavement will have 3.0 inches of cold-in-place recycling and be resurfaced with 1.5 inches of HMA. The existing PCC pavement sections will be resurfaced with 3.0 inches of HMA.

100-4A
10-29-02

ESTIMATE REFERENCE INFORMATION

Item No.	Item Code	Item	Unit	Total	As Built Qty.
67	2602-0020020	MOBILIZATIONS, EMERGENCY EROSION CONTROL	EACH	1	
1	2102-2625000	EMBANKMENT-IN-PLACE			
Refer to Typical 4311, Tabulations 104-13 and 107-23 and Sheets U.3 through U.8 for additional information. Quantity is for fill for guardrail blisters, pipe extensions and relocated entrances. The Contractor shall supply all fill material needed. Any removal of small brush or debris in these areas shall be incidental to this bid item.					
Overhaul will not be paid for this item.					
If the Contractor deems it necessary to enter a wetland area to perform work, he shall immediately notify the Engineer. No work in a wetland area shall be performed without approval from the Engineer.					
2	2105-8425005	TOPSOIL, FURNISH AND SPREAD			
Refer to Tabulation 103-4 for additional information. All disturbed areas not covered by concrete, asphalt, or other permanent surface shall be restored to original condition. Topsoil shall be placed and compacted to 95% relative compaction. Topsoil from stripping and approved by the Engineer may also be used. Stripped topsoil for placement of fill is considered incidental to this bid item. Quantity includes an additional 40% to account for compaction.					
3	2121-7425020	GRANULAR SHOULDERS, TYPE B			
Refer to Typical MC-3, MC-2, 7135, 7145 and 7156 and Tabulation 112-9 for additional information. Estimated project quantity includes an additional 5% for irregularities.					
4	2212-0075005	CLEANING AND PREPARATION OF BASE			
Refer to Typical MC-2 and Tabulation 100-25 for additional information.					
5	2212-5070310	PATCHES, FULL-DEPTH REPAIR			
6	2212-5070330	PATCHES BY COUNT (REPAIR)			
Refer to Tabulation 102-6C for additional information.					
7	2212-5075001	HOT MIX ASPHALT SURFACE PATCHES			
To be placed as needed prior to resurfacing.					
8	2213-7100400	RELOCATION OF MAIL BOXES			
Refer to Sheet U.7 for additional information. Mailbox is to be moved from west side of field entrance to east side of field entrance at Sta 436+25.					
9	2214-5145150	PAVEMENT SCARIFICATION			
Refer to Tabulation 100-25 and Sheet U.1 for additional information.					
10	2303-0025000	HOT MIX ASPHALT MIXTURE (1,000,000 ESAL), INTERMEDIATE COURSE, 1/2 IN. MIX			
11	2303-0033504	HOT MIX ASPHALT MIXTURE (1,000,000 ESAL), SURFACE COURSE, 1/2 IN. MIX, FRICTION L-4			
12	2303-0245828	ASPHALT BINDER, PG 58-28			
Estimated project quantities include an additional 5% for irregularities.					
13	2303-0245828	ASPHALT BINDER, PG 58-28			
Standard specification 2303.04B shall be modified as follows:					
2303.04B Asphalt Binder					
Remove Article 6 and add Article 7:					
6. The Engineer will calculate and exclude from payment the quantity of absorbed asphalt binder used in excess of 21.9% of the total binder in the mix. The % Absorbed Binder is calculated as follows:					
Where: Pb = % Absorbed Binder = 100 x (Pb - Pbc)/Pb					
Pbc = % of asphalt binder by weight of mix, and					
Pbc = % of effective asphalt binder by weight of mix per Materials I.M. 501.					
7. When payment for HMA is based on area, the quantity of asphalt binder used will not be measured separately for payment.					
13	2303-6911000	HOT MIX ASPHALT PAVEMENT SAMPLES			

FILE NO. BREMER COUNTY PROJECT NUMBER STPN-93-1(25) --2J-09 SHEET NUMBER C.1

100-10
10-16-12

PERIMETER AND SLOPE SEDIMENT CONTROL DEVICE

Refer to EC-284

Location	End Station	Side	Length of Installation		Remarks
			6 inch Dia	12 inch Dia	
Begin Station	End Station	Side	LF	LF	
36+30.00	37+40.00	LT	110.0	110.0	Guardrail trail left
330+15.50	330+65.50	RT	50.0	50.0	Guardrail approach left
328+30.00	329+30.00	LT	100.0	100.0	Guardrail trail left
342+50.00	342+90.00	RT	40.0	40.0	Guardrail trail right
431+50.00	432+00.00	RT	50.0	50.0	Guardrail approach right
435+73.00	436+03.00	RT	30.0	30.0	Guardrail trail right
436+73.00	436+73.50	LT	100.0	100.0	Guardrail trail left
604+76.50	604+76.50	RT	100.0	100.0	Guardrail approach right
604+76.50	604+76.50	LT	100.0	100.0	Guardrail trail left
607+70.50	608+10.50	RT	40.0	40.0	Guardrail trail right
607+70.50	608+70.50	LT	100.0	100.0	Guardrail approach left
			760.0	760.0	TOTAL

100-17
04-20-10

TABULATION OF SILT FENCES

Refer to EC-281

Location	End Station	Side	Length		Remarks
			LF	LF	
Begin Station	End Station	Side	LF	LF	
32+50.00	34+03.50	LT	150.0	150.0	Note:
33+10.00	34+03.50	RT	190.0	190.0	
35+36.50	36+80.00	RT	150.0	150.0	
327+30.00	329+65.50	RT	220.0	220.0	All listed
331+24.00	332+75.00	RT	100.0	100.0	Locations
335+75.00	337+90.00	RT	230.0	230.0	attach
336+75.00	337+90.00	LT	160.0	160.0	to bridge
341+50.00	343+60.00	LT	210.0	210.0	abutment
418+05.00	419+98.00	RT	190.0	190.0	to minimize
431+31.00	432+70.00	RT	130.0	130.0	wetland
431+31.00	432+70.00	LT	130.0	130.0	wetland
421+31.00	423+30.00	LT	190.0	190.0	migration
431+25.00	432+61.00	LT	140.0	140.0	
			2300.0	2300.0	TOTAL

100-18
04-20-10

TABULATION OF SILT FENCES FOR DITCH CHECKS

Refer to EC-201

Location	End Station	Side	Length		Remarks
			LF	LF	
Begin Station	End Station	Side	LF	LF	
210+22.00	210+22.00	RT	30.0	30.0	
287+32.50	287+32.50	RT	30.0	30.0	
287+32.50	287+32.50	LT	30.0	30.0	
35+36.50	35+36.50	LT	30.0	30.0	
35+66.50	35+66.50	LT	30.0	30.0	
605+37.00	605+37.00	RT	30.0	30.0	
605+67.00	605+67.00	RT	30.0	30.0	
605+37.00	605+37.00	LT	30.0	30.0	
606+80.00	606+80.00	RT	30.0	30.0	
606+80.00	606+80.00	LT	30.0	30.0	
607+10.00	607+10.00	RT	30.0	30.0	
606+80.00	606+80.00	LT	30.0	30.0	
607+10.00	607+10.00	LT	30.0	30.0	
			390.0	390.0	TOTAL

102-6C
10-21-14

FULL-DEPTH PATCHES

Refer to Standard Road Plans PR-101, PR-102, PR-103, PR-104 and PR-140.

Location	Station or Milepost	Lane	Length	Dimension			Patching	C R C	Composite HMA	TOW	Remarks
				Width	Thickness	Patch					
Count	L, R, or B	SY	FT	Without Dowels	With Dowels	Subbase Patches	Subbase Patches w/ 'EF' Joint	Subbase Patch	Subbase Patch	No.	No.
				PR-102	PR-103	PR-140	PR-101	PR-140	PR-101		
Finish											
1	111+97	LT	30.0	12.0	40.0						
1	117+40	LT	30.0	12.0	40.0						
2				80.0							
Repair											
2	214+30	B	6.0	12.0	10.0			16.0	17.1		
2	216+70	B	4.0	12.0	10.0			10.7	11.4		
2	211+73	B	4.0	12.0	10.0			10.7	11.4		
2	224+13	B	4.0	12.0	10.0			10.7	11.4		
2	226+57	B	4.0	12.0	10.0			10.7	11.4		
2	236+59	B	4.0	12.0	10.0			10.7	11.4		
2	237+71	B	4.0	12.0	10.0			10.7	11.4		
2	238+71	B	4.0	12.0	10.0			10.7	11.4		
2	240+30	B	4.0	12.0	10.0			10.7	11.4		
2	241+22	B	4.0	12.0	10.0			10.7	11.4		
2	254+35	B	6.0	12.0	10.0			16.0	17.1		
2	255+40	B	4.0	12.0	10.0			10.7	11.4		
2	261+14	B	6.0	12.0	10.0			16.0	17.1		
2	268+59	B	4.0	12.0	10.0			10.7	11.4		
2	268+59	B	4.0	12.0	10.0			10.7	11.4		
2	270+80	B	4.0	12.0	10.0			10.7	11.4		
2	271+38	B	4.0	12.0	10.0			10.7	11.4		
2	272+58	B	4.0	12.0	10.0			10.7	11.4		
2	273+76	B	4.0	12.0	10.0			10.7	11.4		
2	275+52	B	4.0	12.0	10.0			10.7	11.4		
2	275+52	B	4.0	12.0	10.0			10.7	11.4		
2	277+71	B	4.0	12.0	10.0			10.7	11.4		
2	277+71	B	4.0	12.0	10.0			10.7	11.4		
2	280+30	B	4.0	12.0	10.0			10.7	11.4		
2	281+47	B	4.0	12.0	10.0			10.7	11.4		
2	295+25	B	6.0	12.0	10.0			16.0	17.1		
2	297+62	B	4.0	12.0	10.0			10.7	11.4		
2	298+81	B	4.0	12.0	10.0			10.7	11.4		
Navaho Ave											
2	2118+40	B	6.0	12.0	10.0			16.0	17.1		
2	2120+19	B	4.0	12.0	10.0			10.7	11.4		
2	2120+19	B	4.0	12.0	10.0			10.7	11.4		
2	2123+86	B	4.0	12.0	10.0			10.7	11.4		
2	2128+12	B	6.0	12.0	10.0			16.0	17.1		
2	2141+45	B	6.0	12.0	10.0			16.0	17.1		
2	2151+26	B	4.0	12.0	10.0			10.7	11.4		
2	2151+26	B	4.0	12.0	10.0			10.7	11.4		
2	2172+53	B	4.0	12.0	10.0			10.7	11.4		
2	2176+00	RT	4.0	12.0	10.0			5.3	6.0		
2	2178+55	B	4.0	12.0	10.0			10.7	11.4		
2	2181+00	B	4.0	12.0	10.0			10.7	11.4		

100-37A
04-20-10

TABULATION OF SAFETY FENCES

Refer to EC-201

Location	End Station	Side	Length		Remarks
			LF	LF	
Begin Station	End Station	Side	LF	LF	
33+10.00	34+30.00	RT	120.0	120.0	
32+50.00	33+10.00	LT	60.0	60.0	
36+15.00	36+85.00	RT	70.0	70.0	
327+35.00	328+85.00	RT	150.0	150.0	
331+95.00	332+75.00	RT	80.0	80.0	
335+65.00	336+75.00	RT	110.0	110.0	
336+50.00	337+50.00	LT	70.0	70.0	
341+50.00	342+70.00	LT	120.0	120.0	
418+05.00	419+15.00	RT	110.0	110.0	
418+20.00	419+15.00	LT	110.0	110.0	
422+10.00	422+70.00	RT	60.0	60.0	
422+10.00	423+90.00	LT	120.0	120.0	
431+25.00	431+85.00	LT	60.0	60.0	
			1240.0	1240.0	TOTAL

112-7
10-19-10

RUMBLE STRIP PANELS

Refer to Standard Road Plan PV-10.

Road Ident.	Location	Station	Side	Length		Remarks
				New	Existing	
IA 93	11+97.00	17+46.00	LT	1	1	
			LT <td>1 <td>1 <td></td> </td></td>	1 <td>1 <td></td> </td>	1 <td></td>	
				2 <td></td> <td>TOTAL</td>		TOTAL

102-65
10-21-14

FULL - DEPTH PATCHES

Refer to Standard Roads Plans PR-101, PR-102, PR-103, PR-104 and PR-140.

Count	Location Station or Milepost	Lane L, R, or B	Length FT	Dimension Width FT	Patch Thickness IN	PCC Patches		HMA Patches SY	Composite HMA TON	Subbase Patches w/ 'EF' Joint SY		Patch Submain PR-101 or PR-140 No.	'CD' Joints No.	'EF' Joints PR-101 No.	Anchor Lugs Removal No.	Remarks	
						With Dowels PR-103 SY	Without Dowels PR-102 SY			PR-104 SY	PR-140 SY						PR-101 SY
2	196+82	B	4.0	14.0	10.0			12.4		13.1							
2	201+68	B	4.0	14.0	10.0			12.4		13.1							
	Trippoli																
2	262+95	B	4.0	12.0	10.0			10.7		11.4							
2	275+32	B	4.0	12.0	10.0			10.7		11.4							
2	286+00	B	4.0	12.0	10.0			10.7		11.4							
2	295+82	B	4.0	12.0	10.0			10.7		11.4							
2	306+02	B	5.0	12.0	10.0			13.4		14.3							
2	311+11	B	5.0	12.0	10.0			13.4		14.3							
2	324+30	B	5.0	12.0	10.0			13.4		14.3							
2	482+75	B	4.0	12.0	10.0			10.7		11.4							
2	447+30	B	4.0	12.0	10.0			10.7		11.4							
2	449+06	B	4.0	12.0	10.0			10.7		11.4							
2	469+87	B	4.0	12.0	10.0			10.7		11.4							
2	473+30	B	4.0	12.0	10.0			10.7		11.4							
2	481+09	B	4.0	12.0	10.0			10.7		11.4							
2	485+18	B	4.0	12.0	10.0			10.7		11.4							
2	489+72	B	4.0	12.0	10.0			10.7		11.4							
2	498+03	B	4.0	12.0	10.0			10.7		11.4							
2	514+40	B	4.0	12.0	10.0			10.7		11.4							
2	519+70	B	4.0	12.0	10.0			10.7		11.4							
2	522+44	B	4.0	12.0	10.0			10.7		11.4							
2	525+44	B	4.0	12.0	10.0			10.7		11.4							
2	537+57	B	4.0	12.0	10.0			10.7		11.4							
2	547+58	B	4.0	12.0	10.0			10.7		11.4							
2	570+14	B	5.0	12.0	10.0			13.4		14.3							
2	578+61	B	5.0	12.0	10.0			13.4		14.3							
2	593+56	B	4.0	12.0	10.0			10.7		11.4							
2	597+33	B	4.0	12.0	10.0			10.7		11.4							
	Sumner																
2	506+00	B	4.0	12.0	10.0			10.7		11.4							
2	508+00	B	4.0	12.0	10.0			10.7		11.4							
2	508+50	B	5.0	12.0	10.0			13.4		14.3							
2	483+78	B	4.0	12.0	10.0			10.7		11.4							
2	485+56	B	5.0	12.0	10.0			13.4		14.3							
2	497+97	B	4.0	12.0	10.0			10.7		11.4							
2	410+44	B	4.0	12.0	10.0			10.7		11.4							
2	415+43	B	4.0	12.0	10.0			10.7		11.4							
2	415+53	B	5.0	12.0	10.0			13.4		14.3							
2	432+67	B	4.0	12.0	10.0			10.7		11.4							
2	440+00	B	4.0	12.0	10.0			10.7		11.4							
2	450+86	B	4.0	12.0	10.0			10.7		11.4							
2	453+90	B	4.0	12.0	10.0			10.7		11.4							
2	456+90	B	4.0	12.0	10.0			10.7		11.4							
2	451+35	B	4.0	12.0	10.0			10.7		11.4							
2	471+15	B	5.0	12.0	10.0			13.4		14.3							
2	473+19	B	4.0	12.0	10.0			10.7		11.4							
	Sumner							928.7		993.1							TOTAL
161																	

10-15-13

ACCESS POINTS AND SAFETY RAMPS

Refer to Cross-Sections

Length of unclassified pipe calculated is based on using Reinforced Concrete Pipe.
 1 Refer to EN-501
 2 Refer to EN-502
 3 Refer to EN-501 or EN-502.
 4 Predetermined for access point not constructed with this project.

Station	Location	Type A, B, C, Safety Ramp, or Predetermined*	Length of Opening ①		Pipe Culvert ②		Aprons		Driveway Surface Area			Driveway Surfacing Material	Remarks
			Case	1x" Dropped Curb	3" Dropped Curb	①	②	③	④	⑤	⑥		
			1. or 2.	LF	LF	LF	FT	FT	FT	FT	FT	TON	
31+81.00	RT											30.000	relocated field entrance
191+82.00	LT												car wash
191+82.00	LT												gas station
199+58.00	LT												public utility
209+34.00	RT												School entrance
212+56.00	RT												residential
212+66.00	LT												residential
213+74.00	RT												residential
214+59.00	RT												residential
214+59.00	RT												residential
281+74.10	LT												cemetery
282+88.00	LT												cemetery
284+06.00	LT												cemetery
295+33.00	LT												residential
467+67.90	LT												Frontage Rd
477+65.00	LT												business entrance
485+37.00	LT												business entrance
499+84.00	LT												business entrance
502+16.00	RT												business entrance
502+82.00	LT												subway entrance
503+03.00	LT												business entrance
504+24.00	LT												business entrance
504+78.00	RT												residential
505+24.00	LT												business entrance
506+06.00	LT												business entrance
506+31.00	RT												residential entrance
												30.000	TOTAL

All field and residential entrances in shoulder quantities