

78200200	BIDIRECTIONAL PRISMATIC BARRIER	REFLECTOR	REMARKS
EACH	LOCATION		
69.0	16 + 69	51 + 52	50' SPACINGS ON CENTER BARRIER WALL
58.0	51 + 52	66 + 20	50' SPACINGS ON MEDIAN BARRIER WALL
TOTAL	127.00		

78200450	MONODIRECTIONAL GUARD RAIL REFLECTORS	REMARKS
EACH	LOCATION	
5.00	51 + 77	55 + 30 R 50' SPACINGS
6.00	52 + 10	55 + 22 L 50' SPACINGS
5.00	136 + 99	139 + 24 R 50' SPACINGS
5.00	136 + 99	139 + 24 R 50' SPACINGS
4.00	140 + 25	138 + 13 L 50' SPACINGS
24.00	186 + 45	174 + 70 L 50' SPACINGS
21.00	173 + 38	184 + 00 R 50' SPACINGS
2.00	84 + 73	85 + 73 L TEMPORARY GUARDRAIL, 50' SPACINGS
2.00	130 + 11	130 + 98 L TEMPORARY GUARDRAIL, 50' SPACINGS
2.00	130 + 99	131 + 87 R TEMPORARY GUARDRAIL, 50' SPACINGS
5.00	152 + 83	155 + 21 L TEMPORARY GUARDRAIL, 50' SPACINGS
5.00	155 + 25	157 + 62 R TEMPORARY GUARDRAIL, 50' SPACINGS
TOTAL	86.00	

78201000	TERMINAL MARKER - DIRECT APPLIED	REMARKS
EACH	LOCATION	
1.00	55 + 23	L
1.00	136 + 49	R
1.00	136 + 49	R
1.00	140 + 75	L
1.00	186 + 95	L
1.00	172 + 88	R
1.00	85 + 11	CL IMPACT ATTENUATOR
1.00	85 + 52	CL IMPACT ATTENUATOR
1.00	84 + 23	L TEMPORARY GUARDRAIL
1.00	129 + 60	L
1.00	131 + 86	R
1.00	152 + 33	L
1.00	157 + 62	R
TOTAL	13.00	

78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	REMARKS
EACH	LOCATION	
125.00	51 + 52	177 + 75
125.00	51 + 52	177 + 75
TOTAL	250.00	

81020500	CONDUIT PUSHED, 2" DIA., INTERMEDIATE METAL	REMARKS
FOOT	LOCATION	
116.00	54 + 57	
TOTAL	116.00	

81603035	UNIT DUCT, 600V, 2-1C NO.6, 1C NO.6 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE	REMARKS
FOOT	LOCATION	
330	52 + 36	55 + 65 LT
116	54 + 57	LT/RT
107	54 + 57	55 + 65 LT
19	54 + 34	54 + 55 RT
310	54 + 34	57 + 43 RT
320	73 + 09	76 + 14 LT
294	84 + 15	86 + 93 RT
305	120 + 90	124 + 00 RT
257	126 + 54	129 + 17 RT
294	144 + 63	147 + 44 LT
262	149 + 91	152 + 31 LT
267	152 + 31	155 + 05 LT
TOTAL	2,881.00	

81900200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	REMARKS
FOOT	LOCATION	
271	51 + 65	54 + 33 RT
330	52 + 36	55 + 65 LT
310	54 + 34	57 + 43 RT
320	73 + 09	76 + 14 LT
294	84 + 15	86 + 93 RT
305	120 + 90	124 + 00 RT
257	126 + 54	129 + 17 RT
294	144 + 63	147 + 44 LT
262	149 + 91	152 + 31 LT
267	152 + 31	155 + 05 LT
TOTAL	2,910.00	

83600100	LIGHT POLE FOUNDATION	REMARKS
EACH	LOCATION	
1.00	52 + 36	LT 44.6'
1.00	54 + 34	RT 61.0'
1.00	57 + 42	RT 76.3'
1.00	76 + 12	LT 112.2'
1.00	78 + 95	LT 92.3'
1.00	84 + 10	RT 106.7'
1.00	102 + 61	RT 110.5'
1.00	123 + 80	RT 87.2'
1.00	126 + 54	RT 88.8'
1.00	134 + 07	LT 89.5'
1.00	144 + 61	LT 115.9'
1.00	147 + 44	LT 107'
1.00	149 + 89	LT 100.5'
1.00	152 + 42	LT 92.5'
1.00	155 + 05	LT 82.5'
TOTAL	15.00	

83800650	BREAKAWAY DEVICE, COUPLING, WITH STAINLESS STEEL SCREEN	REMARKS
EACH	LOCATION	
4.00	52 + 36	LT 44.6'
4.00	54 + 34	RT 61.0'
4.00	57 + 42	RT 76.3'
4.00	76 + 12	LT 112.2'
4.00	78 + 95	LT 92.3'
4.00	84 + 10	RT 106.7'
4.00	102 + 61	RT 110.5'
4.00	123 + 80	RT 87.2'
4.00	126 + 54	RT 88.8'
4.00	134 + 07	LT 89.5'
4.00	144 + 61	LT 115.9'
4.00	147 + 44	LT 107'
4.00	149 + 89	LT 100.5'
4.00	152 + 42	LT 92.5'
4.00	155 + 05	LT 82.5'
TOTAL	60.00	

84200700	LIGHTING FOUNDATION REMOVAL	REMARKS
EACH	LOCATION	
1.00	52 + 46	LT
1.00	54 + 48	RT
1.00	57 + 32	RT
1.00	60 + 00	RT
1.00	71 + 40	LT
1.00	76 + 00	LT
1.00	80 + 60	LT
1.00	84 + 00	RT
1.00	102 + 70	RT
1.00	123 + 90	RT
1.00	126 + 65	RT
1.00	133 + 15	LT
1.00	144 + 70	LT
1.00	147 + 34	LT
1.00	150 + 00	LT
1.00	152 + 32	LT
1.00	154 + 80	LT
TOTAL	17.00	

84200802	REMOVAL OF POLE FOUNDATION	REMARKS
EACH	LOCATION	
1.00	138 + 23	LT PRE-PASS POLES, CONCRETE
1.00	154 + 40	LT PRE-PASS POLES, CONCRETE
1.00	154 + 40	LT SCALE VIDEO CAMERA POLES, METAL
1.00	174 + 79	LT SCALE VIDEO CAMERA POLES, METAL
TOTAL	4.00	

Z0021500	EXPANSION JOINT 3"	REMARKS
FOOT	LOCATION	
24	177 + 75	STAGE 1D WESTBOUND
24	177 + 75	STAGE 1E EASTBOUND
15	52 + 86	STAGE 1C SHOULDER AT WIDE FLANGE BEAM JOINT
4	52 + 86	STAGE 1B MEDIAN AT WIDE FLANGE BEAM JOINT
11	52 + 86	STAGE 1A SHOULDER AT WIDE FLANGE BEAM JOINT
TOTAL	78.0	

Z0030260	IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	REMARKS
EACH	LOCATION	
1.00	1486 + 85	USE IN STAGES 1E, 1C & 1B IN IOWA BARRIER WALL
1.00	1497 + 60	USE IN STAGES 1E, 1C & 1B IN IOWA BARRIER WALL
TOTAL	2.0	

Z0030330	IMPACT ATTENUATORS, RELOCATE (FULLY REDIRECTIVE), TEST LEVEL 3	REMARKS
EACH	LOCATION	
1.00	1486 + 85	USE IN STAGES 1E, 1C & 1B IN IOWA BARRIER WALL
1.00	1497 + 60	USE IN STAGES 1E, 1C & 1B IN IOWA BARRIER WALL
TOTAL	2.0	

Z0056220	SAND MODULE IMPACT ATTENUATOR TO BE REMOVED	REMARKS
EACH	LOCATION	
24.0	84 + 64	
TOTAL	24.0	

Z0065900	SPECIAL DITCH CHECKS	REMARKS
EACH	LOCATION	
1.0	111 + 25	
1.0	135 + 75	
1.0	162 + 25	
TOTAL	3.0	

XX002866	CONCRETE BARRIER WALL (SPECIAL)	REMARKS
CU.YD.	LOCATION	
69.00	1493 + 00	1497 + 60 State of IOWA barrier wall
TOTAL	69.00	

XX003982	VIDEO VEHICLE DETECTION SYSTEM	REMARKS
L.SUM	LOCATION	
0.5	154 + 81	LT 81' SCALE VIDEO CAMERA POLES
0.5	155 + 66	LT 81' SCALE VIDEO CAMERA POLES
TOTAL	1.00	

2 REVISIED SHEET 2/23/09