

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	QUANTITY
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	21
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	102
20200100	EARTH EXCAVATION	CU YD	355
20300100	CHANNEL EXCAVATION	CU YD	1,040
20400800	FURNISHED EXCAVATION	CU YD	1,140
25001000	SEEDING, CLASS 2 (SPECIAL)	ACRE	1.1
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	700
28000300	TEMPORARY DITCH CHECKS	EACH	6
28000400	PERIMETER EROSION BARRIER	FOOT	1,765
28000500	INLET AND PIPE PROTECTION	EACH	4
28100209	STONE RIPRAP, CLASS A5	TON	1,195
28200200	FILTER FABRIC	SQ YD	1,215
28300400	AGGREGATE DITCH	TON	29
35100100	AGGREGATE BASE COURSE, TYPE A	TON	347
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	179
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	629
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	105
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	596
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	290
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	5
42001165	BRIDGE APPROACH PAVEMENT	SQ YD	220
44000198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	159
48100100	AGGREGATE SHOULDERS, TYPE A	TON	79
48203100	HOT-MIX ASPHALT SHOULDERS	TON	176
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1
50104650	SLOPE WALL REMOVAL	SQ YD	525
50105220	PIPE CULVERT REMOVAL	FOOT	53
50200100	STRUCTURE EXCAVATION	CU YD	135
50300225	CONCRETE STRUCTURES	CU YD	236.6
50300280	CONCRETE ENCASEMENT	CU YD	11.9
50400505	PRECAST PRESTRESSED CONCRETE DECK BEAMS (27" DEPTH)	SQ FT	3,779
50400605	PRECAST PRESTRESSED CONCRETE DECK BEAMS (33" DEPTH)	SQ FT	2,574
50800105	REINFORCEMENT BARS	POUND	16,410
50800515	BAR SPLICERS	EACH	78
50901050	STEEL RAILING, TYPE SM	FOOT	390
51201600	FURNISHING STEEL PILES HP12X53	FOOT	2,140
51202305	DRIVING PILES	FOOT	2,140
51203600	TEST PILE STEEL HP12X53	EACH	4
51500100	NAME PLATES	EACH	1
542D1060	PIPE CULVERTS, CLASS D, TYPE 2 15"	FOOT	48
58100200	WATERPROOFING MEMBRANE SYSTEM	SQ YD	707
58300100	PORTLAND CEMENT MORTAR FAIRING COURSE	FOOT	500
63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	2
63100087	TRAFFIC BARRIER TERMINAL, TYPE 6A	EACH	4
63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	2
63200310	GUARDRAIL REMOVAL	FOOT	818
67100100	MOBILIZATION	L SUM	1
70103700	TRAFFIC CONTROL COMPLETE	L SUM	1
78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	4,200
78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	2
78202000	TERMINAL MARKER - POST MOUNTED	EACH	2
X0321203	TERMINAL MARKER POSTS	EACH	2
X5020501	UNDERWATER STRUCTURE EXCAVATION PROTECTION, LOCATION 1	EACH	1
X5020502	UNDERWATER STRUCTURE EXCAVATION PROTECTION, LOCATION 2	EACH	1
Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1

① SEE SPECIAL PROVISIONS
* SPECIALTY ITEMS

CONSTRUCTION CODE TYPE: X081-24

AGGREGATE SURFACE COURSE, TYPE B

STATION TO STATION	WIDTH	LENGTH	TON
ENTR. - 47+40 RT	12.5' & VAR.	17.00'	8
ENTR. - 51+27 LT	50.0' & VAR.	32.00'	60
ENTR. - 52+84 LT	35.5' & VAR.	19.90'	24
ENTR. - 54+22 LT	26.8' & VAR.	14.60'	15
ENTR. - 55+29 LT	32.4' & VAR.	38.60'	44
ENTR. - 55+68 RT	16.5' & VAR.	31.80'	28
TOTAL			179

AGGREGATE DITCH**

STATION TO STATION	SIDE	WIDTH	TON	FILTER FABRIC (SQ YD)
45+75 - 46+60	LEFT	6'	29	57
TOTAL			29	57

** Aggregate Ditch shall conform to material type B-3 of the Standard Specifications

TREE REMOVAL

STATION	OFFSET	SIDE	6 TO 15 UNITS	OVER 15 UNITS
48+37	37'	RIGHT	7	
48+56	27'	LEFT		38
48+71	29'	RIGHT	7	
48+71	29'	RIGHT	7	
48+94	49'	LEFT		24
48+98	47'	LEFT		40
TOTAL			21	102

GUARDRAIL REMOVAL

STATION TO STATION	SIDE	FOOT
45+90 - 49+05	LEFT	315
49+07 - 49+21	RIGHT	26
50+78 - 50+96	LEFT	37
50+92 - 55+29	RIGHT	440
TOTAL		818

PAVEMENT SCHEDULE

STATION TO STATION	WIDTH	LENGTH	AGGREGATE BASE COURSE, TYPE A	PRIME COAT GALLON 0.10 GAL/SQ YD	PRIME COAT GALLON 0.50 GAL/SQ YD	HOT-MIX ASPHALT BINDER CSE TON 112#/SQ YD/IN	HOT-MIX ASPHALT SURF CSE TON 112#/SQ YD/IN	INC HOT-MIX ASPHALT SURF TON 112#/SQ YD/IN
45+50.00 - 46+00.00	1.31' AVG.	50.00'	5					
46+00.00 - 48+61.00	7.97' AVG.	261.00'	87					
51+17.00 - 53+50.00	11.95' AVG.	233.00'	58					
45+50.00 - 46+00.00	21.30' AVG.	50.00'		12				
46+00.00 - 48+65.11	22.23' AVG.	265.11'		65				
51+19.93 - 55+50.00	28.44' AVG.	430.07'		115				
55+50.00 - 56+00.00	31.13' AVG.	50.00'		17				
45+50.00 - 46+00.00	0.97' AVG.	50.00'			3			
46+00.00 - 48+65.11	5.15' AVG.	265.11'			76			
51+19.93 - 53+17.00	9.81' AVG.	197.07'			107			
45+50.00 - 46+00.00	4.48' AVG.	50.00'				3		
46+00.00 - 48+65.11	19.84' AVG.	265.11'				108		
51+19.93 - 55+50.00	22.73' AVG.	430.07'				315		
55+50.00 - 55+90.00	7.51' AVG.	40.00'				28		
45+50.00 - 46+00.00	21.76' AVG.	50.00'					10	
46+00.00 - 48+65.11	22.13' AVG.	265.11'					55	
BRIDGE DECK	33.00'	192.67'					84	
51+19.93 - 55+50.00	22.13' AVG.	430.07'					89	
55+50.00 - 56+00.00	27.04' AVG.	50.00'					15	
ENT. - 48+55 RT	12.00' AVG.	26.00'						5
ENT. - 51+27 LT	76.94' AVG.	16.00'	55		65	41	11	
ENT. - 52+84 LT	58.65' AVG.	16.00'	50		60	36	9	
ENT. - 54+22 LT	53.74' AVG.	16.00'	44		52	31	8	
ENT. - 55+29 LT	58.24' AVG.	16.00'	48		57	34	9	
TOTAL			347	209	420	596	290	5

HOT-MIX ASPHALT SHOULDERS

STATION TO STATION	SIDE	WIDTH	LENGTH	TON
45+50.00 - 46+00.00	LEFT	3.16' AVG.	50.00'	4
45+50.00 - 46+00.00	RIGHT	3.22' AVG.	50.00'	4
46+00.00 - 48+31.32	LEFT	4.00'	231.32'	23
48+31.32 - 48+56.32	LEFT	4.75' AVG.	25.00'	3
46+00.00 - 49+07.86	RIGHT	VARIES	307.86'	26
50+98.93 - 55+50.00	RIGHT	VARIES	451.07'	94
51+76.60 - 52+35.82	LEFT	4.00'	59.22'	6
53+11.34 - 53+91.82	LEFT	4.00'	80.48'	8
54+57.88 - 57+72.64	LEFT	4.00'	14.76'	1
55+43.42 - 55+50.00	LEFT	4.00'	6.58'	1
55+50.00 - 56+00.00	LEFT	2.00' AVG.	50.00'	3
55+50.00 - 56+00.00	RIGHT	2.00' AVG.	50.00'	3
TOTAL				176

AGGREGATE SHOULDERS, TYPE A

STATION TO STATION	SIDE	WIDTH	LENGTH	TON
45+50.00 - 46+00.00	LEFT	1.00' AVG.	50.00'	2
45+50.00 - 46+00.00	RIGHT	1.00' AVG.	50.00'	2
46+00.00 - 47+57.83	LEFT	2.00'	157.83'	11
46+00.00 - 47+28.56	RIGHT	2.00'	128.56'	9
47+28.56 - 47+73.08	RIGHT	1.00' AVG.	44.52'	2
47+57.83 - 48+20.83	LEFT	5.15' AVG.	63.00'	11
48+20.83 - 48+69.16	LEFT	5.33'	48.33'	9
48+69.16 - 48+85.58	LEFT	2.67' AVG.	16.42'	2
51+73.61 - 52+38.80	LEFT	2.00'	65.19'	5
53+07.53 - 53+94.82	LEFT	2.00'	87.29'	6
53+31.31 - 54+60.83	RIGHT	1.00' AVG.	129.52'	5
54+54.88 - 54+75.63	LEFT	2.00'	20.75'	1
54+60.83 - 55+50.00	RIGHT	2.00'	89.17'	6
55+40.42 - 55+50.00	LEFT	2.00'	9.58'	1
55+50.00 - 56+00.00	LEFT	1.00' AVG.	50.00'	2
55+50.00 - 56+00.00	RIGHT	2.83' AVG.	50.00'	5
TOTAL				79

INLET & PIPE PROTECTION

STATION	SIDE	EACH
45+46	LEFT	1
46+20	RIGHT	1
47+25	RIGHT	1
48+80	RIGHT	1
TOTAL		4

PERIMETER EROSION BARRIER

STATION TO STATION	SIDE	FOOT
45+50 - 45+75	LEFT	75
45+50 - 49+10	RIGHT	450
50+75 - 56+00	LEFT	670
51+00 - 56+00	RIGHT	570
TOTAL		1,765

HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT

STATION TO STATION	WIDTH	LENGTH	SQ YD
45+50.00 - 45+80.00	21.30' AVG.	30.00'	71
55+90.00 - 56+00.00	30.50' AVG.	10.00'	34
TOTAL			105

HOT-MIX ASPHALT SURFACE REMOVAL - VARIABLE DEPTH

STATION TO STATION	WIDTH	LENGTH	SQ YD
45+80.00 - 46+40.00	18.50' AVG.	60.00'	123
47+65.00 - 48+45.00	4.00' AVG.	80.00'	36
TOTAL			159

TRAFFIC BARRIER TERMINAL, TYPE 6A

SIDE	STATION TO STATION	EACH
LEFT	48+41.83 - 48+85.58	1
RIGHT	49+04.64 - 49+13.07	1
LEFT	50+80.40 - 50+85.43	1
RIGHT	50+99.46 - 51+43.21	1
TOTAL		4

TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT

SIDE	STATION TO STATION	EACH
LEFT	47+91.83 - 48+41.83	1
RIGHT	51+43.21 - 51+93.21	1
TOTAL		2

PIPE CULVERT REMOVAL

STATION	SIZE	SIDE	FOOT
45+57	15"	LEFT	20
48+94	30"	LEFT	33
TOTAL			53

PIPE CULVERTS, CLASS D, TYPE 2 15"

STATION	SIDE	FOOT
45+57	LEFT	30
46+39	LEFT	18
TOTAL		48

TEMPORARY DITCH CHECKS

STATION	SIDE	EACH
45+90	LEFT	1
46+05	LEFT	1
46+20	LEFT	1
46+35	LEFT	1
46+50	LEFT	1
48+90	LEFT	1
TOTAL		6

TRAFFIC BARRIER TERMINAL, TYPE 2

SIDE	STATION TO STATION	EACH
RIGHT	49+13.07 - 49+22.39	1
LEFT	50+79.63 - 50+85.43	1
TOTAL		2

THERMOPLASTIC PAVEMENT MARKING - LINE 4"

STATION TO STATION	SIDE	DESCRIPTION	FOOT
45+50.00 - 56+00.00	LEFT	WHITE EDGE LINE	1,050
45+50.00 - 56+00.00	RIGHT	DOUBLE YELLOW	2,100
45+50.00 - 56+00.00	RIGHT	WHITE EDGE LINE	1,050
TOTAL			4,200

EARTHWORK SUMMARY

STATION TO STATION	EARTH EXCAVATION	CHANNEL EXCAVATION	STRUCTURE EXCAVATION	FILL	WASTE (SHORTAGE)
	CU YD	CU YD	CU YD	CU YD	CU YD
RDWY 45+50.00 - 48+94.52	276				1,075 (868)
RDWY 50+90.52 - 56+00.00	78				329 (271)
CHANNEL		1,041			
STRUCTURE			135		
TOTAL	354	1,041	135	1,404	(1,139)
USE	355	1,040	135	-	(1,140)

(@ 25% SHRINKAGE)

ROUTE NO.	SECTION	COUNTY	SHEET NO.	SHEET TOTAL
CH 9	*	CASS	29	4
PROJECT	BRS-580(105)			
CON				