

GRADING REPORT

COMPUTED BY: DUSTIN HUNT

CHECKED BY: BRIAN LEE

FEDERAL PROJECT NO: BR-STP-70(24)

ROUTE NO. OR STREET: SR-70; BRIDGE OVER NORFOLK

SOUTHERN RAILROAD L.M. 6.19 (1A)

SHEET 1 OF 3

STATE NO.: 37011-3237-94

PIN: 124383.00

COUNTY: HAWKINS

ESTIMATED GRADING QUANTITIES					
DESCRIPTION	UNADJUSTED VOLUMES (CY)		ADJUSTED VOLUMES (CY)	BALANCE SUMMARY	
	EXC.	EMB.	EXC.		
MAINLINE	4690	7644	4456	SHRINK = 5 % SWELL = 15 % EMB. EXC. 8090 VS. -4838 AVAILABLE = 3252 BORROW MATERIAL = 3415	
SIDE ROADS	87	379	83		
PVT. DRIVES, BUSINESS AND FIELD ENTRANCES	29	67	28		
INDEPENDENT DITCHES					
TEMPORARY CONSTRUCTION EXITS					
EPSC	286		272		
TOPSOIL (EMB.)	883				
TOPSOIL (EXC.)	314				
TOPSOIL TOTALS (SEE TOPSOIL TABLE)					
ROCK (C.Y.)			TOTALS (C.Y.)		
EXC.	EMB.	EXC. (UNCL.)	EMB. (UNCL.)	EXC. (COMMON)	EXC. (AVAIL.)
0	0	6289	8090	6289	5092
					4838

Station	Exc				Exc			
	Exc	Undercut	Emb		Exc	Undercut	Emb	
	(S.F.)	(S.F.)	(S.F.)		(C.Y.)	(C.Y.)	(C.Y.)	
SR-70								
11300	0	0	0					
11350	47	0	0	44	0	0		
11400	0	0	0	44	0	0		
11450	1	0	0	1	0	0		
11500	1	0	125	2	0	116		
11550	0	0	365	1	0	454		
11600	0	0	574	0	0	869		
11616.75	32	0	488	10	0	329		BEGIN BRIDGE
11650				20	0	300		BRIDGE
11700				0	0	0		BRIDGE
11750				0	0	0		BRIDGE
11800				0	0	0		BRIDGE
11803.82				0	0	0		BRIDGE
11809.75	40	0	256	4	0	28		END BRIDGE
11850	24	0	443	48	0	521		
11900	25	0	390	45	0	771		
11950	33	0	333	54	0	669		
12000	51	0	297	78	0	583		
12050	59	0	261	102	0	517		
12100	66	0	341	116	0	557		
12150	66	0	394	122	0	681		
12200	38	0	0	96	0	365		
12250	42	0	0	74	0	0		
12300	38	0	0	74	0	0		
12350	39	0	0	71	0	0		
12400	38	0	0	71	0	0		

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12450	37	0	0	69	0	0
12500	38	0	0	69	0	0
12550	41	0	0	73	0	0
12600	39	0	0	74	0	0
12650	37	0	0	70	0	0
12681.11	36	0	0	42	0	0
12684.42	37	0	0	4	0	0
12700	0	0	0	11	0	0
12750	0	0	0	0	0	0
12800	0	0	0	0	0	0

	Exc (C.Y.)	Exc Undercut (C.Y.)	Emb (C.Y.)
GROSS SR-70 TOTALS	1446	0	6761

BRIDGE

	Exc (C.Y.)	Exc Undercut (C.Y.)	Emb (C.Y.)
GROSS BRIDGE	3558		592

HAGAN REYNOLDS ROAD LT.

1785	0	0	0			
1800	3	0	0	1	0	0
1849	20	0	67	21	0	61
1850	20	0	66	1	0	2
1900	7	0	26	25	0	85
1950	1	0	5	7	0	29
2000	0	0	0	1	0	5

	Exc (C.Y.)	Exc Undercut (C.Y.)	Emb (C.Y.)
GROSS HAGAN REYNOLDS ROAD LT	56	0	182

CORAN ROAD RT.

2000	0	0	0			
2050	14	0	8	13	0	7
2100	2	0	59	15	0	62
2120	3	0	113	2	0	64
2150	0	0	1	2	0	63
2155	0	0	0	0	0	0

	Exc	Exc Undercut	Emb
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	(C.Y.)	(C.Y.)	(C.Y.)
GROSS CORAN ROAD RT	31	0	197

DRIVEWAY 19+26 LT HAGAN ROAD

0	0	0	0			
16.5	0	0	46	0	0	14
33	0	0	27	0	0	22
49.5	0	0	24	0	0	16
66	0	0	0	0	0	7

	Exc (C.Y.)	Exc Undercut (C.Y.)	Emb (C.Y.)
GROSS DRIVEWAY 19+26 LT HAGAN ROAD	0	0	59

DRIVEWAY 19+35 RT HAGAN ROAD

0	0	0	0			
15	8	0	0	2	0	0
30	12	0	0	6	0	0
45	0	0	14	3	0	4
60	0	0	0	0	0	4

	Exc (C.Y.)	Exc Undercut (C.Y.)	Emb (C.Y.)
GROSS DRIVEWAY 19+35 RT HAGAN ROAD	11	0	8

DRIVEWAY 113+57 RT SR-70

0	0	0	0			
17.25	10	0	0	3	0	0
34.5	8	0	0	6	0	0
51.75	10	0	0	6	0	0
69	0	0	0	3	0	0

	Exc (C.Y.)	Exc Undercut (C.Y.)	Emb (C.Y.)
GROSS DRIVEWAY 113+57 RT SR-70	18	0	0