CROSS SECTION EARTHWORK LOCATION STA.	TO STA.	EARTH EXCAVATION	REMOVAL & DISPOSAL OF UNSUITABLE MATERIAL (15% OF EARTH EXC.)	TOTAL SUITABLE EARTH EXCAVATION (85% OF EARTH EXCAVATION)	SUITABLE EARTH EXC. TO BE USED IN EMBANKMENT (15% SHRINKAGE)	EMBANKMENT REQUIRED	EARTHWORK BALANCE SEE NOTE 3	EARTH EXCAVATION (SPECIAL) ARCH-E PITS	NON-SPECIAL WASTE DISPOSAL	TOPSOIL REMOVAL, PAID AS REMOVAL & DISPOSAL OF UNSUITABLE MATERIAL
		(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)
149+22.43	149+50.00	0.0	0.0	0.0	0.0	292.4	-292.4	0.0	117.3	0.0
149+50.00	150+00.00	0.0	0.0	0.0	0.0	1,177.1	-1,177.1	0.0	206.6	0.0
150+00.00	150+50.00	0.0	0.0	0.0	0.0	1,478.2	-1,478.2	0.0	189.2	0.0
150+50.00	151+00.00	0.0	0.0	0.0	0.0	1,173.4	-1,173.4	0.0	191.7	0.0
151+00.00	151+50.00	0.0	0.0	0.0	0.0	797.0	-797.0	0.0	191.3	0.0
151+50.00	152+00.00	0.0	0.0	0.0	0.0	479.5	-479.5	0.0	274.1	0.0
152+00.00	152+50.00	0.0	0.0	0.0	0.0	421.3	-421.3	0.0	475.3	0.0
152+50.00	153+00.00	0.0	0.0	0.0	0.0	502.1	-502.1	0.0	622.0	0.0
153+00.00	153+50.00	0.0	0.0	0.0	0.0	580.8	-580.8	0.0	661.1	0.0
153+50.00	154+00.00	0.0	0.0	0.0	0.0	539.8	-539.8	0.0	484.7	0.0
154+00.00	154+50.00	0.0	0.0	0.0	0.0	452.1	-452.1	0.0	398.7	0.0
154+50.00	155+00.00	0.0	0.0	0.0	0.0	384.6	-384.6	0.0	499.1	0.0
155+00.00	155+50.00	0.0	0.0	0.0	0.0	352.1	-352.1	0.0	446.4	0.0
155+50.00	156+00.00	0.0	0.0	0.0	0.0	352.4	-352.4	0.0	415.0	0.0
156+00.00	156+50.00	0.0	0.0	0.0	0.0	296.4	-296.4	0.0	550.1	0.0
156+50.00	157+00.00	0.0	0.0	0.0	0.0	228.7	-228.7	0.0	691.7	0.0
157+00.00	157+50.00	0.0	0.0	0.0	0.0	176.7	-176.7	0.0	648.4	0.0
157+50.00	158+00.00	0.0	0.0	0.0	0.0	155.7	-155.7	0.0	555.9	0.0
158+00.00	158+50.00	0.0	0.0	0.0	0.0	126.5	-126.5	0.0	663.6	0.0
158+50.00	159+00.00	0.0	0.0	0.0	0.0	100.0	-100.0	0.0	1,381.8	0.0
159+00.00	159+50.00	0.0	0.0	0.0	0.0	88.3	-88.3	0.0	1,931.1	0.0
159+50.00	160+00.00	89.0	13.3	75.6	64.3	130.8	-66.5	0.0	1,472.0	125.3
160+00.00	160+50.00	131.3	19.7	111.6	94.9	336.8	-241.9	0.0	1,020.1	253.0
160+50.00	161+00.00	76.6	11.5	65.1	55.3	473.8	-418.5	0.0	977.3	180.9
161+00.00	161+50.00	74.2	11.1	63.0	53.6	442.9	-389.3	0.0	902.0	108.3
161+50.00	162+00.00	84.4	12.7	71.8	61.0	497.8	-436.8	0.0	442.3	114.2
162+00.00	162+50.00	357.9	53.7	304.2	258.6	559.5	-301.0	0.0	88.8	119.1
162+50.00	163+00.00	341.2	51.2	290.0	246.5	741.2	-494.7	0.0	515.5	121.8
163+00.00	163+50.00	58.2	8.7	49.5	42.1	1,042.5	-1,000.4	0.0	895.4	124.3
163+50.00	164+00.00	30.4	4.6	25.8	21.9	1,217.1	-1,195.1	0.0	916.2	62.5
164+00.00	164+50.00	0.0	0.0	0.0	0.0	1,277.8	-1,277.8	0.0	943.6	0.0
164+50.00	165+00.00	0.0	0.0	0.0	0.0	1,304.7	-1,304.7	0.0	952.7	0.0
165+00.00	165+50.00	0.0	0.0	0.0	0.0	1,378.5	-1,378.5	492.6	855.3	0.0
165+50.00	166+00.00	0.0	0.0	0.0	0.0	1,499.6	-1,499.6	1,522.8	633.9	83.6
166+00.00	166+50.00	0.0	0.0	0.0	0.0	1,587.2	-1,587.2	2,110.6	556.3	128.3
166+50.00	167+00.00	5.0	0.8	4.3	3.6	1,587.8	-1,584.1	1,567.4	568.6	89.7
167+00.00	167+50.00	5.0	0.8	4.3	3.6	1,636.6	-1,633.0	1,004.3	538.0	88.8
167+50.00	168+00.00	0.0	0.0	0.0	0.0	1,640.9	-1,640.9	876.3	505.9	88.1
168+00.00	168+50.00	0.0	0.0	0.0	0.0	1,554.2	-1,554.2	547.3	482.1	92.3
168+50.00	169+00.00	0.0	0.0	0.0	0.0	1,508.0	-1,508.0	463.7	485.3	95.6
169+00.00	169+50.00	0.0	0.0	0.0	0.0	1,476.7	-1,476.7	491.9	490.0	87.2
169+50.00	170+00.00	0.0	0.0	0.0	0.0	1,449.9	-1,449.9	576.0	535.3	80.1
170+00.00	170+50.00	0.0	0.0	0.0	0.0	1,406.1	-1,406.1	593.7	558.7	87.8
170+50.00	171+00.00	0.0	0.0	0.0	0.0	1,311.6	-1,311.6	620.8	528.1	86.6
171+00.00	171+50.00	0.4	0.1	0.3	0.3	1,132.7	-1,132.5	734.3	551.4	79.1
171+50.00	172+00.00	1.8	0.3	1.6	1.3	991.6	-990.3	1,805.9	327.5	79.9
172+00.00	172+50.00	2.5	0.4	2.1	1.8	893.4	-891.6	3,370.4	78.7	80.0
172+50.00	173+00.00	14.0	2.1	11.9	10.1	539.3	-529.2	3,536.6	302.5	81.6
173+00.00	173+50.00	37.4	5.6	31.8	27.0	319.7	-292.7	1,750.7	297.5	84.0
173+50.00	174+00.00	541.7	81.3	460.4	391.4	202.4	189.0	501.6	33.3	154.1
174+00.00	174+50.00	860.5	129.1	731.4	621.7	87.3	534.4	691.0	0.0	466.8
174+50.00	175+00.00	1,161.9	174.3	987.6	839.5	80.0	759.5	340.4	0.0	711.7
175+00.00	175+50.00	1,631.8	244.8	1,387.0	1,178.9	1.4	1,177.5	24.7	0.0	712.9
175+50.00	176+00.00	1,550.6	232.6	1,318.0	1,120.3	1.4	1,118.9	0.0	0.0	716.9
176+00.00	176+50.00	1,529.4	229.4	1,300.0	1,105.0	1.4	1,103.6	2.6	0.0	598.1
176+50.00	177+00.00	2,122.6	318.4	1,804.2	1,533.6	1.4	1,532.2	2.6	0.0	526.3
177+00.00	177+50.00	2,746.9	412.0	2,334.9	1,984.6	1.4	1,983.2	0.0	0.0	578.1
177+50.00	178+00.00	2,233.5	335.0	1,898.5	1,613.7	1.4	1,612.3	0.0	635.1	411.5
178+00.00	178+50.00	1,613.6	242.0	1,371.6	1,165.8	1.4	1,164.4	55.2	1,199.7	219.7
178+50.00	179+00.00	1,562.6	234.4	1,328.2	1,129.0	1.4	1,127.6	257.1	1,114.9	191.7

CROSS SECTION EARTHWORK LOCATION STA.	TO STA.	EARTH EXCAVATION	REMOVAL & DISPOSAL OF UNSUITABLE MATERIAL (15% OF EARTH EXC.)	TOTAL SUITABLE EARTH EXCAVATION (85% OF EARTH EXCAVATION)	SUITABLE EARTH EXC. TO BE USED IN EMBANKMENT (15% SHRINKAGE)	EMBANKMENT REQUIRED	EARTHWORK BALANCE SEE NOTE 3	EARTH EXCAVATION (SPECIAL) ARCH-E PITS	NON-SPECIAL WASTE DISPOSAL	TOPSOIL REMOVAL, PAID AS REMOVAL & DISPOSAL OF UNSUITABLE MATERIAL
		(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)
179+00.00	179+50.00	1,550.8	232.6	1,318.2	1,120.5	1.4	1,119.1	367.1	1,065.9	186.4
179+50.00	180+00.00	1,210.1	181.5	1,028.6	874.3	1.4	872.9	318.1	1,378.2	156.0
180+00.00	180+50.00	850.9	127.6	723.3	614.8	1.4	613.4	152.9	1,683.6	128.6
180+50.00	181+00.00	855.4	128.3	727.1	618.0	1.4	616.6	0.0	1,607.9	130.0
181+00.00	181+50.00	825.1	123.8	701.3	596.1	1.4	594.7	0.0	1,451.6	131.3
181+50.00	182+00.00	1,087.4	163.1	924.3	785.6	1.4	784.2	0.0	664.7	208.4
182+00.00	182+50.00	1,175.9	176.4	999.5	849.6	83.6	766.0	0.0	285.8	227.2
182+50.00	183+00.00	862.6	129.4	733.2	623.2	322.2	301.1	180.0	561.7	168.5
183+00.00	183+50.00	600.1	90.0	510.1	433.6	641.5	-207.9	419.1	531.6	162.5
183+50.00	184+00.00	409.3	61.4	347.9	295.7	990.5	-694.8	527.1	518.5	156.4
184+00.00	184+50.00	473.9	71.1	402.8	342.4	1,385.7	-1,043.2	356.0	262.8	217.0
184+50.00	185+00.00	568.5	85.3	483.2	410.7	1,732.0	-1,321.2	244.9	0.0	277.6
185+00.00	185+50.00	487.3	73.1	414.2	352.0	2,056.0	-1,703.9	395.6	198.9	217.8
185+50.00	186+00.00	389.4	58.4	331.0	281.4	2,424.7	-2,143.3	733.8	402.1	159.1
186+00.00	186+50.00	346.3	51.9	294.4	250.2	2,862.4	-2,612.2	1,073.9	396.0	158.9
186+50.00	187+00.00	280.5	42.1	238.4	202.6	3,398.0	-3,195.4	818.6	367.5	158.2
187+00.00	187+50.00	248.6	37.3	211.3	179.6	3,826.3	-3,646.6	514.6	352.4	158.8
187+50.00	188+00.00	274.5	41.2	233.4	198.4	4,155.2	-3,956.8	518.2	342.5	161.2
188+00.00	188+50.00	299.9	45.0	254.9	216.7	4,497.9	-4,281.2	529.4	336.9	163.5
188+50.00	189+00.00	154.9	23.2	131.7	111.9	4,599.6	-4,487.7	495.3	583.7	82.2
189+00.00	189+50.00	0.0	0.0	0.0	0.0	4,740.6	-4,740.6	491.6	820.5	0.0
189+50.00	190+00.00	0.0	0.0	0.0	0.0	5,146.4	-5,146.4	504.4	797.2	0.0
190+00.00	190+50.00	0.0	0.0	0.0	0.0	5,547.0	-5,547.0	496.2	754.3	0.0
190+50.00	191+00.00	129.0	19.3	109.6	93.2	5,583.7	-5,490.6	1,007.0	497.3	74.5
191+00.00	191+49.00	276.9	41.5	235.4	200.1	2,718.5	-2,518.4	1,903.3	183.4	211.7
191+49.00	END	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	SUBTOTAL	32,221.6	4,833.2	27,388.3	23,280.1	97,195.0	-73,914.9	35,987.6	48,044.1	11,605.8
PACKERS AVE.										
6+00.00	7+00.00	0.0	0.0	0.0	0.0	128.7	-128.7	0.0	0.0	0.0
7+00.00	8+00.00	0.0	0.0	0.0	0.0	130.0	-130.0	0.0	0.0	0.0
8+00.00	9+00.00	0.0	0.0	0.0	0.0	122.2	-122.2	0.0	0.0	0.0
9+00.00	10+00.00	0.0	0.0	0.0	0.0	122.2	-122.2	0.0	0.0	0.0
10+00.00	11+00.00	0.0	0.0	0.0	0.0	124.6	-124.6	0.0	0.0	0.0
11+00.00	12+00.00	0.0	0.0	0.0	0.0	125.2	-125.2	0.0	0.0	0.0
12+00.00	13+00.00	0.0	0.0	0.0	0.0	123.5	-123.5	0.0	0.0	0.0
13+00.00	14+00.00	0.0	0.0	0.0	0.0	122.8	-122.8	161.7	0.0	0.0
14+00.00	15+00.00	0.0	0.0	0.0	0.0	123.1	-123.1	288.3	0.0	0.0
15+00.00	16+00.00	0.0	0.0	0.0	0.0	128.0	-128.0	891.5	0.0	0.0
16+00.00	16+85.00	0.0	0.0	0.0	0.0	56.4	-56.4	650.1	0.0	0.0
16+85.00	END	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	SUBTOTAL	0.0	0.0	0.0	0.0	1,306.7	-1,306.7	1,991.6	0.0	0.0
MESD NORTH ACCESS ROAD										
60+00.00	60+50.00	0.0	0.0	0.0	0.0	89.9	-89.9	0.0	0.0	19.3
60+50.00	61+00.00	0.0	0.0	0.0	0.0	127.5	-127.5	0.0	0.0	32.0
61+00.00	61+50.00	0.0	0.0	0.0	0.0	95.7	-95.7	0.0	0.0	26.8
61+50.00	62+00.00	0.0	0.0	0.0	0.0	130.4	-130.4	0.0	0.0	29.3
62+00.00	62+50.00	0.0	0.0	0.0	0.0	130.6	-130.6	0.0	0.0	29.0
62+50.00	62+95.00	0.0	0.0	0.0	0.0	52.5	-52.5	0.0	0.0	12.5
62+95.00	END	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	SUBTOTAL	0.0	0.0	0.0	0.0	626.6	-626.6	0.0	0.0	148.9
TRENCH BACKFILL		0	0	0	0	-1,303	1,303	0	0	0
UTILITY REMOVALS		0	0	0	0	3,101	-3,101	0	0	0
CULVERT EMBANKMENT		0	0	0	2,865	0	2,865	0	0	0
PGES (FILL NOT REQ'D)		0	0	0	0	-3,542	3,542	0	0	0
	TOTALS	32,221.6	4,833.2	27,388.3	26,145.1	97,384.3	-71,239.2	37,979.2	48,044.1	11,754.7

PAID FOR AS:
EARTH EXCAVATION OR REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL

32,221.6	-	4,833.2	=	27,388	EARTH EXCAVATION TOTAL
4,833.2	+	11,754.7	=	16,587.9	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL TOTAL

NOTES:
1. EARTH EXCAVATION, STOCKPILE (IF REQUIRED) AND SUBSEQUENT PLACEMENT (WHEN APPLICABLE) SHALL ONLY BE MEASURED AND PAID FOR ONCE, AND NOT FOR EACH TRANSPORT.

2. SUITABLE EARTH EXCAVATION SHALL REMAIN ON SITE WITHIN THE I-70 CORRIDOR AND BE PLACED AT THE DIRECTION OF THE ENGINEER.

3. (-) INDICATES SHORTAGE. FURNISHED EXCAVATION OR EARTH EXCAVATION IS REQUIRED.
(+) INDICATES SURPLUS EARTH EXCAVATION TO BE USED ELSEWHERE WITHIN THE PROJECT LIMITS.