CROSS SECTION EARTHWORK

LOCATION STA.	TO STA.	EARTH EXCAVATION	REMOVAL & DISPOSAL OF UNSUITABLE MATERIAL (15%)	TOTAL SUITABLE EARTH EXCAVATION (85% SUITABLE)	EARTH EXCAVATION TO BE USED IN EMBANKMENT (25% SHRINKAGE)	EMBANKMENT REQUIRED	EARTHWORK BALANCE SEE NOTES 3 AND 4
		(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)
INTERSTATE 70							
140+67.00	141+00.00	16.1	2.4	13.7	10.3	1.8	8.5
141+00.00	141+50.00	24.8	3.7	21.1	15.8	3.0	12.9
141+50.00	142+00.00	21.8	3.3	18.5	13.9	3.1	10.7
142+00.00	142+50.00	21.9	3.3	18.7	14.0	3.1	10.8
142+50.00	143+00.00	22.1	3.3	18.8	14.1	3.1	11.0
143+00.00	143+50.00	22.4	3.4	19.0	14.3	3.1	11.1
143+50.00	144+00.00	22.7	3.4	19.3	14.5	3.1	11.4
144+00.00	144+50.00	22.8	3.4	19.4	14.5	3.0	11.6
144+50.00	145+00.00	22.3	3.3	19.0	14.2	3.1	11.2
145+00.00	145+50.00	21.3	3.2	18.1	13.6	3.1	10.4
145+50.00	146+00.00	20.1	3.0	17.1	12.8	3.2	9.6
146+00.00	146+50.00	18.8	2.8	16.0	12.0	3.3	8.6
146+50.00	147+00.00	17.5	2.6	14.9	11.2	3.4	7.7
147+00.00	147+50.00	16.2	2.4	13.8	10.3	14.5	-4.2
147+50.00	148+00.00	14.5	2.2	12.4	9.3	25.0	-15.7
148+00.00	148+50.00	13.7	2.1	11.6	8.7	23.1	-14.3
148+50.00	149+00.00	11.4	1.7	9.7	7.3	21.2	-13.9
149+00.00	149+50.00	46.6	7.0	39.6	29.7	19.1	10.6
149+50.00	150+00.00	82.1	12.3	69.8	52.4	37.6	14.8
150+00.00	150+50.00	68.8	10.3	58.5	43.9	100.7	-56.9
150+50.00	151+00.00	55.4	8.3	47.1	35.3	126.4	-91.1
151+00.00	151+50.00	49.4	7.4	42.0	31.5	132.4	-100.9
151+50.00	152+00.00	34.4	5.2	29.2	21.9	172.9	-151.0
152+00.00	152+50.00	20.9	3.1	17.8	13.3	202.0	-188.7
152+50.00	153+00.00	18.9	2.8	16.1	12.0	238.9	-226.8
153+00.00	153+50.00	19.1	2.9	16.2	12.2	235.8	-223.7
153+50.00	154+00.00	19.1	2.9	16.2	12.2	215.6	-203.5
154+00.00	154+50.00	23.6	3.5	20.1	15.1	224.9	-209.9
154+50.00	155+00.00	28.3	4.3	24.1	18.1	224.0	-205.9
155+00.00	155+50.00	26.0	3.9	22.1	16.6	209.4	-192.9
155+50.00	156+00.00	29.1	4.4	24.7	18.5	183.1	-164.6
156+00.00	156+50.00	34.5	5.2	29.4	22.0	192.6	-170.6
156+50.00	157+00.00	71.9	10.8	61.1	45.8	191.3	-145.5
157+00.00	157+50.00	65.7	9.9	55.9	41.9	152.1	-110.2
157+50.00	158+00.00	22.0	3.3	18.7	14.0	140.3	-126.2
158+00.00	158+50.00	34.8	5.2	29.6	22.2	140.2	-118.0
158+50.00	159+00.00	34.4	5.2	29.2	21.9	137.4	-115.5
159+00.00	159+50.00	20.5	3.1	17.4	13.0	133.6	-120.6
159+50.00	160+00.00	20.2	3.0	17.2	12.9	96.9	-84.1
160+00.00	160+50.00	20.3	3.0	17.2	12.9	63.6	-50.7
160+50.00	161+00.00	20.4	3.1	17.3	13.0	63.5	-50.5
161+00.00	161+50.00	20.4	3.1	17.3	13.0	63.5	-50.5
161+50.00	162+00.00	20.4	3.1	17.3	13.0	63.5	-50.5
162+00.00	162+50.00	20.4	3.1	17.3	13.0	71.6	-58.6
162+50.00	163+00.00	20.8	3.1	17.7	13.3	73.4	-60.1
163+00.00	163+50.00	21.0	3.2	17.9	13.4	65.6	-52.2
163+50.00	164+00.00	20.1	3.0	17.1	12.8	73.0	-60.2
164+00.00	164+50.00	21.5	3.2	18.3	13.7	93.1	-79.5
164+50.00	165+00.00	21.6	3.2	18.3	13.8	130.1	-116.3
165+00.00	165+50.00	19.6	2.9	16.7	12.5	169.6	-157.1
165+50.00	166+00.00	19.6	2.9	16.7	12.5	182.2	-169.7
166+00.00	166+50.00	19.6	2.9	16.7	12.5	179.2	-166.7
166+50.00	167+00.00	18.5	2.8	15.7	11.8	150.7	-138.9
167+00.00	167+50.00	14.7	2.2	12.5	9.4	130.6	-121.2
167+50.00	168+00.00	10.0	1.5	8.5	6.4	140.2	-133.8
168+00.00	168+50.00	7.0	1.1	6.0	4.5	142.9	-138.4
168+50.00	169+00.00	5.8	0.9	5.0	3.7	138.7	-135.0
169+00.00	169+50.00	5.8	0.9	5.0	3.7	125.6	-121.8
169+50.00	170+00.00	7.0	1.1	6.0	4.5	111.3	-106.8
170+00.00	170+50.00	9.8	1.5	8.3	6.3	102.4	-96.2
170+50.00	171+00.00	14.1	2.1	12.0	9.0	94.5	-85.6
171+00.00	171+50.00	17.2	2.6	14.6	11.0	93.3	-82.4
171+50.00	172+00.00	18.0	2.7	15.3	11.5	99.8	-88.4
172+00.00	172+50.00	26.0	3.9	22.1	16.6	69.1	-52.5
172+50.00	173+00.00	34.1	5.1	29.0	21.7	34.2	-12.4

CROSS SECTION EARTHWORK

LOCATION STA.	TO STA.	EARTH EXCAVATION	REMOVAL & DISPOSAL OF UNSUITABLE MATERIAL (15%)	TOTAL SUITABLE EARTH EXCAVATION (85% SUITABLE)	EARTH EXCAVATION TO BE USED IN EMBANKMENT (25% SHRINKAGE)	EMBANKMENT REQUIRED	EARTHWORK BALANCE SEE NOTES 3 AND 4
INTERSTATE 70		(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)
173+00.00	173+50.00	26.0	3.9	22.1	16.6	64.1	-47.5
173+50.00	174+00.00	18.0	2.7	15.3	11.5	94.1	-82.6
174+00.00	174+50.00	18.0	2.7	15.3	11.5	94.1	-82.6
174+50.00	175+00.00	18.0	2.7	15.3	11.5	94.0	-82.5
175+00.00	175+50.00	18.0	2.7	15.3	11.5	93.7	-82.3
175+50.00	176+00.00	18.0	2.7	15.3	11.5	93.7	-82.3
176+00.00	176+50.00	18.0	2.7	15.3	11.5	93.7	-82.3
176+50.00	177+00.00	18.0	2.7	15.3	11.5	93.6	-82.2
177+00.00	177+50.00	18.0	2.7	15.3	11.5	93.6	-82.2
177+50.00	178+00.00	18.0	2.7	15.3	11.5	93.5	-82.1
178+00.00	178+50.00	18.0	2.7	15.3	11.5	131.2	-119.8
178+50.00	179+00.00	18.0	2.7	15.3	11.5	163.4	-152.0
179+00.00	179+50.00	18.0	2.7	15.3	11.5	150.6	-139.2
179+50.00	180+00.00	18.1	2.7	15.4	11.6	122.7	-111.1
180+00.00	180+50.00	18.6	2.8	15.8	11.9	88.8	-76.9
180+50.00	181+00.00	19.7	3.0	16.8	12.6	64.7	-52.1
181+00.00	181+50.00	20.1	3.0	17.1	12.8	152.8	-140.0
181+50.00	182+00.00	24.5	3.7	20.9	15.6	192.1	-176.5
182+00.00	182+50.00	40.7	6.1	34.6	26.0	90.8	-64.9
182+50.00	183+00.00	72.7	10.9	61.8	46.3	47.2	-0.9
183+00.00	183+50.00	98.1	14.7	83.4	62.6	44.2	18.4
183+50.00	184+00.00	104.6	15.7	88.9	66.7	43.1	23.6
184+00.00	184+50.00	103.4	15.5	87.9	65.9	43.7	22.2
184+50.00	185+00.00	99.4	14.9	84.5	63.4	43.8	19.6
185+00.00	185+50.00	99.1	14.9	84.2	63.2	41.2	22.0
185+50.00	186+00.00	95.7	14.4	81.4	61.0	40.5	20.6
186+00.00	186+50.00	91.3	13.7	77.6	58.2	41.9	16.3
186+50.00	187+00.00	90.6	13.6	77.0	57.7	41.9	15.9
187+00.00	187+50.00	89.9	13.5	76.4	57.3	41.9	15.5
187+50.00	188+00.00	89.3	13.4	75.9	56.9	41.9	15.1
188+00.00	188+50.00	88.6	13.3	75.3	56.5	41.9	14.6
188+50.00	189+00.00	86.1	12.9	73.2	54.9	41.6	13.3
189+00.00	189+50.00	80.7	12.1	68.6	51.5	41.1	10.4
189+50.00	190+00.00	66.6	10.0	56.6	42.4	43.8	-1.4
190+00.00	190+50.00	42.7	6.4	36.3	27.2	46.4	-19.2
190+50.00	191+00.00	25.1	3.8	21.3	16.0	35.6	-19.6
191+00.00	191+50.00	23.2	3.5	19.8	14.8	24.1	-9.3
191+50.00	191+99.00	25.7	3.9	21.8	16.4	44.3	-27.9
191+99.00	END	0.0	0.0	0.0	0.0	0.0	0.0
	SUBTOTAL	3,466.3	519.9	2,946.3	2,209.7	9,210.9	-7,001.2
TRENCH BACKFILL		0	0	0	0	-1,526	1,526
	TOTALS	3,466.3	519.9	2,946.3	2,209.7	7,684.9	-5,475.2

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

REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL TOTAL

EARTH EXCAVATION TOTAL

FURNISHED EXCAVATION 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.
4. ALL EARTH WORK CALCULATIONS ASSUME THAT CONTRACTS 76C41, 76D05, AND 76E06 HAVE FINISHED GRADING WITHIN THE MAINLINE PAVING LIMITS. IF THIS WORK HAS NOT BEEN COMPLETED, ADDITIONAL EARTHWORK MAY BE REQUIRED.