

EARTHWORK

	EARTH EXCAVATION	TOPSOIL EXCAVATION	EMBANKMENT	UNDERCUT*	PGE EMBANKMENT SUBGRADE*	EXCAVATION USED IN EMBANKMENT (ADJ. FOR SHRINKAGE)	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)
	CU YD.	CU YD.	CU YD.	CU YD.	CU YD.	CU YD.	CU YD.
	STAGE 1	STAGE 1	STAGE 1	STAGE 1	STAGE 1	STAGE 1	STAGE 1
29+00	87	5	0	0	0		
29+50	84	12	0	0	0	72	71
30+00	48	14	3	0	0	41	38
30+50	45	17	7	0	0	39	31
31+00	66	21	10	11	11	56	46
31+50	94	25	9	28	28	80	71
32+00	104	23	12	36	36	88	76
32+50	111	19	10	39	39	94	84
33+00	148	8	2	39	39	126	124
33+50	216	20	2	39	39	183	182
34+00	291	40	4	39	39	247	243
34+50	380	43	4	39	39	323	319
35+00	511	53	4	39	39	434	431
35+50	643	63	5	39	39	546	542
36+00	701	68	6	56	56	596	590
36+50	727	69	5	75	75	618	613
37+00	697	70	4	83	83	593	589
37+50	453	35	2	81	81	385	383
38+00	186	0	0	69	69	158	158
38+50	146	26	1	72	72	124	123
39+00	209	55	2	76	76	178	176
39+50	252	58	2	66	66	214	212
40+00	256	54	1	56	56	218	217
40+50	249	55	0	47	47	212	212
41+00	184	48	4	38	38	157	153
41+50	81	29	4	29	29	68	65
42+00	31	19	2	24	24	27	25
42+50							
STAGE 1 TOTAL =	6914	949	102	1119	1119	5877	5775

* COLUMN IS FOR INFORMATION ONLY. SEE GENERAL NOTE ON SHEET 2 FOR UNDERCUT AND POROUS GRANULAR EMBANKMENT, SUBGRADE QUANTITIES.

EARTH EXCAVATION VOLUMES
(SEE SPECIAL PROVISION)

EASTBOUND MAINLINE	1442	CU YD
WESTBOUND MAINLINE	1379	CU YD
EASTBOUND RAMPS		
RAMP E	173	CU YD
RAMP O	204	CU YD
WESTBOUND RAMPS		
RAMP B	185	CU YD
RAMP L	191	CU YD
RAMP G	545	CU YD
	<u>4119</u>	CU YD

EMBANKMENT VOLUMES
(SEE SPECIAL PROVISION)

WESTBOUND RAMPS (26")		
RAMP G	1372	CU YD
	<u>1372</u>	CU YD

EARTHWORK SUMMARY

TOTAL	I-90/94
	CU YD.
EARTHWORK EXCAVATION	11,033 ①
REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	4,737 ②
FURNISHED EXCAVATION (FOR TOTAL)	0 ③
POROUS GRANULAR EMBANKMENT, SUBGRADE	3,788 ④

NOTE:

A SHRINKAGE FACTOR OF 15% WAS USED FOR EARTH EXCAVATION ADJUSTMENT.

- ① EARTH EXCAVATION BY CROSS SECTIONS (6914 CU YD) + EARTH EXCAVATION BY SPECIAL PROVISION (4119 CU YD) = 11033 CU YD
- ② TOPSOIL EXCAVATION (949 CU YD) + UNDERCUT IDENTIFIED BY SOILS REPORT, SEE GN ON PAGE 2 (3788 CU YD) = 4737 CU YD
- ③ EARTHWORK BALANCE FROM CROSS SECTIONS (5775 CU YD) - EMBANKMENT BY SPECIAL PROVISION (1372) = 4403 CU YD THEREFORE NO FURNISHED EXCAVATION.
- ④ UNDERCUT IDENTIFIED BY SOILS REPORT, SEE GN ON PAGE 2 (3788 CU YD) = 3788 CU YD

ILLINOIS DEPARTMENT OF TRANSPORTATION
SCHEDULE OF QUANTITIES
I-90/94 KENNEDY EXPRESSWAY

SCALE : 1" = NTS DRAWN BY : BEC
DATE : 03/26/09 CHECKED BY : GB