

I-94 RAMPS - TOTAL EARTHWORK QUANTITIES BY RAMP

LOCATION	STATION TO STATION	EARTH EXCAVATION (CU YD)	EARTH EXCAVATION (SPECIAL) (CU YD)	REM. & DISP. UNSUITABLE MATERIAL (CU YD)	EARTHWORK BALANCE (CU YD)
SB I-94 EXIT RAMP	114+00 TO 118+00	940.0	710.0	970.0	790.0
SB I-94 ENTRANCE RAMP	119+00 TO 127+50	2480.0	0.0	1055.0	-1795.0
NB I-94 EXIT RAMP	190+41 TO 199+50	1770.0	1085.0	1565.0	3690.0
NB I-94 ENTRANCE RAMP	200+50 TO 204+50	615.0	0.0	360.0	-225.0
TOTALS		5805.0	1795.0	3950.0	2460.0

EARTHWORK BALANCE = FURNISHED EXCAVATION (SEE FORMULA BELOW)

I-94 RAMPS - EARTH EXCAVATION BY STAGE AND RAMP

LOCATION	STATION TO STATION	PRE STAGE (CU YD)	STAGE 1 (CU YD)	STAGE 2 (CU YD)	STAGE 3 (CU YD)	STAGE 4 (CU YD)	RAMP TOTAL
SB I-94 EXIT RAMP	114+00 TO 118+00	115.0	405.0	420.0	0.0	0.0	940.0
SB I-94 ENTRANCE RAMP	119+00 TO 127+50	0.0	0.0	205.0	1570.0	705.0	2480.0
NB I-94 EXIT RAMP	190+41 TO 199+50	95.0	0.0	0.0	615.0	1060.0	1770.0
NB I-94 ENTRANCE RAMP	200+50 TO 204+50	70.0	240.0	305.0	0.0	0.0	615.0
STAGE TOTALS		280.0	645.0	930.0	2185.0	1765.0	5805.0

I-94 RAMPS - EARTH EXCAVATION (SPECIAL) BY STAGE AND RAMP

LOCATION	STATION TO STATION	PRE STAGE (CU YD)	STAGE 1 (CU YD)	STAGE 2 (CU YD)	STAGE 3 (CU YD)	STAGE 4 (CU YD)	RAMP TOTAL
SB I-94 EXIT RAMP	114+00 TO 118+00	0.0	300.0	410.0	0.0	0.0	710.0
SB I-94 ENTRANCE RAMP	119+00 TO 127+50	0.0	0.0	0.0	0.0	0.0	0.0
NB I-94 EXIT RAMP	190+41 TO 199+50	0.0	0.0	0.0	965.0	120.0	1085.0
NB I-94 ENTRANCE RAMP	200+50 TO 204+50	0.0	0.0	0.0	0.0	0.0	0.0
STAGE TOTALS		0.0	300.0	410.0	965.0	120.0	1795.0

I-94 RAMPS - REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL BY STAGE AND RAMP

LOCATION	STATION TO STATION	PRE STAGE (CU YD)	STAGE 1 (CU YD)	STAGE 2 (CU YD)	STAGE 3 (CU YD)	STAGE 4 (CU YD)	RAMP TOTAL
SB I-94 EXIT RAMP	114+00 TO 118+00	165.0	325.0	480.0	0.0	0.0	970.0
SB I-94 ENTRANCE RAMP	119+00 TO 127+50	0.0	0.0	330.0	530.0	195.0	1055.0
NB I-94 EXIT RAMP	190+41 TO 199+50	65.0	0.0	0.0	1280.0	220.0	1565.0
NB I-94 ENTRANCE RAMP	200+50 TO 204+50	40.0	120.0	200.0	0.0	0.0	360.0
STAGE TOTALS		270.0	445.0	1010.0	1810.0	415.0	3950.0

I-94 RAMPS - REQUIRED EMBANKMENT AND EARTHWORK BALANCE BY STAGE AND RAMP

LOCATION	STATION TO STATION	PRE STAGE		STAGE 1		STAGE 2		STAGE 3		STAGE 4		RAMP TOTAL	
		EMBANKMENT (CU YD)	EARTHWORK BALANCE (CU YD)	EMBANKMENT (CU YD)	EARTHWORK BALANCE (CU YD)	EMBANKMENT (CU YD)	EARTHWORK BALANCE (CU YD)	EMBANKMENT (CU YD)	EARTHWORK BALANCE (CU YD)	EMBANKMENT (CU YD)	EARTHWORK BALANCE (CU YD)	EMBANKMENT (CU YD)	EARTHWORK BALANCE (CU YD)
SB I-94 EXIT RAMP	114+00 TO 118+00	75.0	-15.0	765.0	170.0	1340.0	635.0	0.0	0.0	0.0	0.0	2180.0	790.0
SB I-94 ENTRANCE RAMP	119+00 TO 127+50	0.0	0.0	0.0	0.0	185.0	15.0	70.0	-1260.0	45.0	-550.0	300.0	-1795.0
NB I-94 EXIT RAMP	190+41 TO 193+50	0.0	-75.0	0.0	0.0	0.0	0.0	5660.0	4325.0	440.0	-560.0	6100.0	3690.0
NB I-94 ENTRANCE RAMP	200+50 TO 204+50	0.0	-55.0	75.0	-125.0	210.0	-45.0	0.0	0.0	0.0	0.0	285.0	-225.0
STAGE TOTALS		75.0	-145.0	840.0	45.0	1735.0	605.0	5730.0	3065.0	485.0	-1110.0	8865.0	2460.0

EARTHWORK BALANCE = FURNISHED EXCAVATION = EMBANKMENT - (1 - (SHRINKAGE FACTOR (0.15)) X (EARTH EXCAVATION + EARTH EXCAVATION (SPECIAL))).
A POSITIVE QUANTITY IMPLIES THAT FURNISHED EXCAVATION WILL BE REQUIRED. A NEGATIVE QUANTITY IMPLIES THAT THERE IS EXCESS EXCAVATED MATERIAL THAT CAN BE USED ELSEWHERE WITHIN THE PROJECT LIMITS.

REVISIONS	
NAME	DATE