

ITEM 202-GUARDRAIL REMOVED FOR REUSE
202E38200
RAMP X1 137.5 LF
PLAN TOTAL = 137.5 LF

ITEM 202-INLET ABANDONED
202E58400
RAMP X2 1 EA
PLAN TOTAL = 1 EA

ITEM 203-EXCAVATION, NOT INCLUDING EMBANKMENT CONSTRUCTION
203E12000
RAMP X1 1023 CY
RAMP X2 699 CY
WB SHL 1171 CY
U-TURN 504 CY
PLAN TOTAL = 3397 CY

ITEM 203-EMBANKMENT
203E20000
RAMP X1 1017 CY
RAMP X2 1488 CY
U-TURN 383 CY (MINIMUM)
U-TURN 1252 CY (WASTE)
PLAN TOTAL = 4140 CY

ITEM 203-SUBGRADE COMPACTION
203E50000
RAMP X1 15775 SF/9 = 1753 SY
RAMP X2 18093 SF/9 = 2010 SY
U-TURN 8962 SF/9 = 996 SY
PLAN TOTAL = 4759 SY

ITEM 301-7" BITUMINOUS AGGREGATE BASE AC-20, AS PER PLAN
301E10003
RAMP X1 16541 SF(7/12)(1/27) = 357 CY
RAMP X2 18971 SF(7/12)(1/27) = 410 CY
WB SHL 395 CY
U-TURN 10550 SF(7/12)(1/27) = 228 CY
PLAN TOTAL = 1390 CY

ITEM 304-10" AGGREGATE BASE, AS PER PLAN
304E20001
RAMP X1 17634 SF(10/12)(1/27) = 544 CY
RAMP X2 20226 SF(10/12)(1/27) = 624 CY
WB SHL 609 CY
U-TURN 11312 SF(10/12)(1/27) = 350 CY
PLAN TOTAL = 2127 CY

ITEM 402-1 3/4" ASPHALT CONCRETE, INTERMEDIATE COURSE, TYPE 2, AC-20
402E20000
RAMP X1 15775 SF(1.75/12)(1/27) = 85 CY
RAMP X2 18093 SF(1.75/12)(1/27) = 98 CY
WB SHL 93 CY
U-TURN 10015 SF(1.75/12)(1/27) = 54 CY
PLAN TOTAL = 330 CY

ITEM 404-1 1/4" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, AC-20, AS PER PLAN
404E20001
RAMP X1 15775 SF(1.25/12)(1/27) = 61 CY
RAMP X2 18093 SF(1.25/12)(1/27) = 70 CY
WB SHL 67 CY
U-TURN 10015 SF(1.25/12)(1/27) = 39 CY
PLAN TOTAL = 237 CY

ITEM 407-TACK COAT (RATE=0.10 GAL/SY)
407E10000
RAMP X1 705 LF(6/12)(1/9)(0.10) = 4 GAL
RAMP X2 733 LF(6/12)(1/9)(0.10) = 4 GAL
U-TURN 887 LF(6/12)(1/9)(0.10) = 5 GAL
PLAN TOTAL = 13 GAL

ITEM 603-6" CONDUIT, TYPE F
603E01500
RAMP X1 50 LF
RAMP X2 110 LF
WB SHL 40 LF
U-TURN 20 LF
PLAN TOTAL = 180 LF

ITEM 603-15" CONDUIT, TYPE B
603E05900
RAMP X1 275 LF
RAMP X2 45 LF
PLAN TOTAL = 320 LF

ITEM 603-18" CONDUIT, TYPE B
603E07400
RAMP X1 130 LF
RAMP X2 250 LF
PLAN TOTAL = 380 LF

ITEM 604-CATCH BASIN, NO. 4, AS PER PLAN
604E01201
RAMP X1 1 EA
RAMP X2 1 EA
PLAN TOTAL = 2 EA

ITEM 604-CATCH BASIN, NO. 8, AS PER PLAN
604E02801
RAMP X1 1 EA
RAMP X2 2 EA
PLAN TOTAL = 3 EA

ITEM 604-CATCH BASIN RECONSTRUCTED TO GRADE, AS PER PLAN
604E09501
RAMP X1 1 EA
PLAN TOTAL = 1 EA

ITEM 604-MANHOLE RECONSTRUCTED TO GRADE
604E35500
RAMP X2 1 EA
PLAN TOTAL = 1 EA

ITEM 605-6" SHALLOW PIPE UNDERDRAIN WITH FABRIC WRAP
605E11110
RAMP X1 1290 LF
RAMP X2 1679 LF
WB SHL 988 LF
U-TURN 824 LF
PLAN TOTAL = 4781 LF

ITEM 605-6" UNCLASSIFIED PIPE UNDERDRAIN WITH FABRIC WRAP
605E13410
WB SHL 739 LF
U-TURN 105 LF
PLAN TOTAL = 844 LF

ITEM 606-GUARDRAIL, TYPE 5
606E13000
RAMP X1 250 LF
PLAN TOTAL = 250 LF

ITEM 606-ANCHOR ASSEMBLY, TYPE E
606E26100
RAMP X1 1 EA
PLAN TOTAL = 1 EA

ITEM 606-BRIDGE TERMINAL ASSEMBLY, TYPE I
606E35000
RAMP X1 1 EA
PLAN TOTAL = 1 EA

ITEM 659-SEEDING AND MULCHING
659E10000
RAMP X1 3829 SY
RAMP X2 4212 SY
U-TURN 2183 SY (MINIMUM)
U-TURN 4020 SY (WASTE)
PLAN TOTAL = 14244 SY

CALCULATED
XXX

CHECKED
XXX

QUANTITY CALCULATIONS

LAKE COUNTY
LAK-90-EMERGENCY X-OVER