

SUMMARY OF EARTHWORK
IN CUBIC YARDS

Table with 6 columns: LOCATION, UNCLASSIFIED EXCAVATION, UNDERCUT, EMBT+% , BORROW, WASTE. Rows include PHASE 1, PHASE 2, PHASE 3, and GRAND TOTAL.

PER GEOTECHNICAL RECOMMENDATIONS DATED MARCH 13, 2019:
ESTIMATED UNDERCUT = 1000 CY (CONTINGENCY, AS DIRECTED BY THE ENGINEER)
SELECT GRANULAR MATERIAL = 1350 CY (CONTINGENCY, AS DIRECTED BY THE ENGINEER)
GEOTEXTILE FOR SOIL STABILIZATION = 1350 SY (CONTINGENCY, AS DIRECTED BY THE ENGINEER)

DDE = 1470 CY

Earthwork quantities are calculated using Roadway Design Unit Guidelines. These earthwork quantities are based in part on subsurface data provided by the Geotechnical Engineering Unit.

Approximate quantities only. Clearing and Grubbing, Unclassified Excavation, Fine Grading, and Removal of Existing Pavement, will be paid for at the contract lump sum price for "Grading".

REMOVAL OF EXISTING CONCRETE PAVEMENT SUMMARY
IN SQUARE YARDS

Table with 5 columns: SURVEY LINE, STATION, STATION, LOCATION LT/RT/CL, SY. Rows include -RAMPD-, -LOOPD-, -LOOPA-, -RAMPA- and TOTAL.

REMOVAL OF EXISTING ASPHALT PAVEMENT SUMMARY
IN SQUARE YARDS

Table with 5 columns: SURVEY LINE, STATION, STATION, LOCATION LT/RT/CL, SY. Rows include -L-, -Y1-, -Y2-, -RAMPD-, -LOOPD-, -LOOPA-, -RAMPA-, -Y4-, -LDET- and TOTAL.

SUMMARY OF WOVEN WIRE FENCE, 47" FABRIC
IN LINEAR FEET AND EACH

Table with 5 columns: STATION TO STATION, LT. or RT., FABRIC LF, LINE POSTS EA, TERMINAL POSTS EA. Rows include -L- 22+00.00 to -DRWI- 13+63.21, -RAMPD- 10+78.86 TO -RAMPD- 16+34.22, -L- 29+23.06 TO -L- 33+00.00, -L- 33+60.00 TO -Y4- 13+00.00, and TOTAL.

SHOULDER BERM GUTTER SUMMARY
IN LINEAR FEET

Table with 5 columns: SURVEY LINE, STATION, STATION, LOCATION, LENGTH (LF). Rows include -L-, -Y3-, -Y3- and TOTAL.

SUMMARY OF CABLE GUIDERAIL
IN LINEAR FEET AND EACH

Table with 9 columns: LINE, BEGIN STATION, END STATION, LOC., SINGLE FACED LENGTH (LF), DOUBLE FACED LENGTH (LF), INTERMEDIATE ANCHORS (EA), TERMINAL ANCHORS (EA), REMOVE EX. GUIDERAIL (LF). Rows include -Y3- and TOTAL.

"N" = DISTANCE FROM EDGE OF LANE TO FACE OF GUARDRAIL.
TOTAL SHOULDER WIDTH = DISTANCE FROM EDGE OF TRAVEL LANE TO SHOULDER BREAK POINT.
FLARE LENGTH = DISTANCE FROM LAST SECTION OF PARALLEL GUARDRAIL TO END OF GUARDRAIL.
W = TOTAL WIDTH OF FLARE FROM BEGINNING OF TAPER TO END OF GUARDRAIL.
G = GATING IMPACT ATTENUATOR TYPE 350
NG = NON-GATING IMPACT ATTENUATOR TYPE 350

GUARDRAIL SUMMARY

Large summary table with columns: SURVEY LINE, BEG. STA., END STA., LOCATION, LENGTH (STRAIGHT, SHOP CURVED, DOUBLE FACED), WARRANT POINT (APPROACH END, TRAILING END), "N" DIST. FROM E.O.L., TOTAL SHOUL. WIDTH, FLARE LENGTH (APPROACH END, TRAILING END), W (APPROACH END, TRAILING END), ANCHORS (TYPE GREU, TL-3, CAT-1, AT-1, TYPE III, B-77, TYPE GREU, TL-2, 25' CLEAR SPAN), IMPACT ATTENUATOR TYPE TL-3 (EA, G, NG), SINGLE FACED GUARDRAIL, REMOVE EXISTING GUARDRAIL, REMOVE AND STOCKPILE EXISTING GUARDRAIL, REMARKS.