

Earthwork Balance Sheet

Volumes in Cubic Yards

PROJECT: B-5717

COUNTY: Guilford

DATE: 11/22/2021

COMPILED BY: AECOM

SHEET 1 OF 1 SHEET

| STATION | STATION | EXCAVATION | | | | | EMBANKMENT | | | | BORROW | WASTE | | | | |
|---|---|----------------|------|----------|-----------------|-------------------|--------------|------|--------------|---------------|---------------|-------|----------|--------|-------|----------|
| | | TOTAL UNCLASS. | ROCK | UNDERCUT | UNUIT. UNCLASS. | SUITABLE UNCLASS. | TOTAL | ROCK | EARTH | EMBANK. +20% | | ROCK | SUITABLE | UNUIT. | TOTAL | |
| -L- Sta. 11+00.00 | -L- Sta. 20+14 +/- (Begin Bridge) | 166 | | | | 166 | 4,001 | | 4,001 | 4,801 | 4,635 | | 0 | | | 0 |
| | | 0 | | | | | | | 0 | 0 | 0 | | 0 | | | 0 |
| | | 0 | | | | | | | 0 | 0 | 0 | | 0 | | | 0 |
| | | 0 | | | | | | | 0 | 0 | 0 | | 0 | | | 0 |
| | | 0 | | | | | | | 0 | 0 | 0 | | 0 | | | 0 |
| | | 0 | | | | | | | 0 | 0 | 0 | | 0 | | | 0 |
| | | 0 | | | | | | | 0 | 0 | 0 | | 0 | | | 0 |
| | | 0 | | | | | | | 0 | 0 | 0 | | 0 | | | 0 |
| | | 0 | | | | | | | 0 | 0 | 0 | | 0 | | | 0 |
| | SUBTOTAL | 166 | | | | 166 | 4,001 | | 4,001 | 4,801 | 4,635 | | 0 | | | 0 |
| -L- Sta. 22+29 +/- (End Bridge) | -L- Sta. 28+10.00 | 249 | | | | 249 | 3,818 | | 3,818 | 4,582 | 4,333 | | 0 | | | 0 |
| -Y1- Sta. 10+44.00 | -Y1- Sta. 13+00.00 | 73 | | | | 73 | 466 | | 466 | 560 | 487 | | 0 | | | 0 |
| | | 0 | | | | | | | 0 | 0 | 0 | | 0 | | | 0 |
| | | 0 | | | | | | | 0 | 0 | 0 | | 0 | | | 0 |
| | | 0 | | | | | | | 0 | 0 | 0 | | 0 | | | 0 |
| | | 0 | | | | | | | 0 | 0 | 0 | | 0 | | | 0 |
| | SUBTOTAL | 322 | | | | 322 | 4,285 | | 4,285 | 5,141 | 4,819 | | 0 | | | 0 |
| | | 0 | | | | | | | 0 | 0 | 0 | | 0 | | | 0 |
| | | 0 | | | | | | | 0 | 0 | 0 | | 0 | | | 0 |
| | | 0 | | | | | | | 0 | 0 | 0 | | 0 | | | 0 |
| | | 0 | | | | | | | 0 | 0 | 0 | | 0 | | | 0 |
| | SUBTOTAL | 0 | | | | 0 | 0 | | 0 | 0 | 0 | | 0 | | | 0 |
| | TOTAL | 488 | | | | 488 | 8,285 | | 8,285 | 9,942 | 9,454 | | 0 | | | 0 |
| | MATERIAL FOR SHOULDER CONSTRUCTION WASTE IN LIEU OF BORROW | | | | | | 70 | | 70 | 84 | 84 | | | | | |
| | PROJECT TOTAL | 488 | | | | 488 | 8,355 | | 8,355 | 10,026 | 9,538 | | 0 | | | 0 |
| | EST. 5% TO REPLACE TOP SOIL ON BORROW PIT | | | | | | | | | | 477 | | | | | |
| | GRAND TOTAL | 488 | | | | | | | | | 10,015 | | 0 | | | 0 |
| | SAY | 500 | | | | | | | | | 10,100 | | | | | |
| PAVEMENT STRUCTURE VOLUME = 4,300 CY | | | | | | | | | | | | | | | | |

NOTE: EARTHWORK QUANTITIES ARE CALCULATED BY THE ROADWAY DESIGN UNIT. THESE EARTHWORK QUANTITIES ARE BASED IN PART ON SUBSURFACE DATA PROVIDED BY THE GEOTECHNICAL ENGINEERING UNIT.

DDE = 140 CY

CONTINGENCY ITEMS PER NCDOT GEOTECHNICAL REPORT - DESIGN AND CONSTRUCTION RECOMMENDATIONS, DATED MAY 7, 2020:

UNDERCUT EXCAVATION = 400 CY

SELECT GRANULAR MATERIAL = 200 CY

GEOTEXTILE FOR SOIL STABILIZATION = 500 SY

SHALLOW UNDERCUT = 100 CY

CLASS IV SUBGRADE STABILIZATION = 200 TONS

6" PERFORATED SUBDRAIN PIPE = 200 LF