

# SCHEDULE OF QUANTITIES

EARTHWORK SUMMARY						
LOCATION	20200100 EARTH EXCAVATION (CU YD)	20300100 CHANNEL EXCAVATION (CU YD)	50200100 STRUCTURE EXCAVATION (CU YD)	50200300 COFFERDAM EXCAVATION (CU YD)	EMBANKMENT (CU YD)	*ESTIMATED EARTH WASTE (CU YD)
C.H. 21 (KENNEY RD.)	136	717	122	94	399	570
TOTALS	136	717	122	94	399	570

\*EARTH WASTE = EARTH EXCAVATION + CHANNEL EXCAVATION + STRUCTURE EXCAVATION + COFFERDAM EXCAVATION - (EMBANKMENT x 1.25 SHRINKAGE FACTOR)

- NOTES**
- THE INDICATED EARTHWORK VOLUMES ARE ESTIMATES BASED ON THE "AVERAGE END AREA" METHOD OF CALCULATION. EARTHWORK VOLUMES WILL VARY WITH ACTUAL SOIL CONDITIONS ENCOUNTERED DURING CONSTRUCTION. THESE ESTIMATES ARE PROVIDED FOR THE CONVENIENCE OF THE CONTRACTOR ONLY AND SHOULD BE CONSIDERED APPROXIMATE. ACTUAL VOLUMES OF EARTH EXCAVATION, CHANNEL EXCAVATION, STRUCTURE EXCAVATION, COFFERDAM EXCAVATION, AND EMBANKMENT WILL BE PAID FOR IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS.
  - THE EMBANKMENT QUANTITIES DO NOT ACCOUNT FOR SHRINKAGE FACTORS. A 25% SHRINKAGE FACTOR HAS BEEN APPLIED TO THE EMBANKMENT TO DETERMINE THE ESTIMATED VOLUME OF EARTH WASTE. THE EMBANKMENT QUANTITIES INCLUDE THE 4" THICK TOPSOIL LAYER.
  - EXCESS EARTH MATERIAL SHALL BE DISPOSED OF OFF-SITE BY THE CONTRACTOR. THE COST OF DISPOSING OF EXCESS EARTH MATERIAL WILL NOT BE PAID FOR SEPARATELY AND SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION.
  - AN ESTIMATED QUANTITY FOR THE REMOVAL AND DISPOSAL OF UNSUITABLE MATERIALS HAS BEEN INCLUDED IN THE CONTRACT. THE REMOVAL AND DISPOSAL OF UNSUITABLE MATERIALS WILL BE AS DIRECTED BY THE ENGINEER AND WILL BE MEASURED AND PAID FOR AS DESCRIBED IN THE SPECIAL PROVISIONS.

**20201200  
REMOVAL AND DISPOSAL OF  
UNSUITABLE MATERIAL**

LOCATION	CU YD
ASSUMED QUANTITY FOR UNSUITABLE SUBGRADE CONDITIONS	20
TOTAL	20

**25000400, 25000500, 25000600  
FERTILIZER NUTRIENTS  
(NITROGEN, PHOSPHORUS, POTASSIUM)**

LOCATION	POUND
C.H. 21 (KENNEY RD.) 313+10 TO 317+23 LT. & RT.	54
TOTAL	54

**21000300  
GRANULAR EMBANKMENT, SPECIAL**

LOCATION	TON
ASSUMED QUANTITY FOR UNSUITABLE SUBGRADE CONDITIONS	40
TOTAL	40

**25100115  
MULCH, METHOD 2**

LOCATION	ACRE
C.H. 21 (KENNEY RD.) 313+10 TO 317+23 LT. & RT.	0.6
TOTAL	0.6

**21001000  
GEOTECHNICAL FABRIC FOR  
GROUND STABILIZATION**

LOCATION	SQ YD
ASSUMED QUANTITY FOR UNSUITABLE SUBGRADE CONDITIONS	60
TOTAL	60

**28000250  
TEMPORARY EROSION CONTROL SEEDING**

LOCATION	POUND
C.H. 21 (KENNEY RD.) 313+10 TO 317+23 LT. & RT.	60
TOTAL	60

**25000200  
SEEDING, CLASS 2**

LOCATION	ACRE
C.H. 21 (KENNEY RD.) 313+10 TO 317+23 LT. & RT.	0.6
TOTAL	0.6

**31100500  
SUBBASE GRANULAR MATERIAL, TYPE A 6"**

STATION	TO STATION	SQ YD
C.H. 21 (KENNEY RD.) 314+30.07 LT. & RT.	314+50.07 LT. & RT.	69
315+30.74 LT. & RT.	315+50.74 LT. & RT.	69
TOTAL		138

**40200800  
AGGREGATE SURFACE COURSE, TYPE B**

LOCATION	TON
C.H. 21 (KENNEY RD.) 316+60 RT. - F.E. 18" THICK	56
TOTAL	56

**48100100  
AGGREGATE SHOULDERS, TYPE A**

STATION	TO STATION	TON
C.H. 21 (KENNEY RD.) 313+22.0 LT.	314+50.07 LT.	28
313+22.0 RT.	314+50.07 RT.	28
315+30.74 LT.	316+59.0 LT.	28
315+30.74 RT.	316+45.9 RT.	26
TOTAL		110

**50300300  
PROTECTIVE COAT**

LOCATION	SQ YD
C.H. 21 (KENNEY RD.) BRIDGE APPROACH PAVEMENT	125
BRIDGE DECK	314
TOTAL	439

**X4201400  
BRIDGE APPROACH PAVEMENT (SPECIAL)**

STATION	TO STATION	SQ YD
C.H. 21 (KENNEY RD.) 314+30.07 LT. & RT.	314+50.07 LT. & RT.	62.2
315+30.74 LT. & RT.	315+50.74 LT. & RT.	62.2
TOTAL		125