ESCA CONSULTANTS, INC.
CIVIL & STRUCTURAL ENGINEERS
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20200100 EARTH EXCAVATION

CU YD	LOCATION	REMARKS
40	RT Sta. 636+80 to 639+50	
110	RT Sta. 633+81 to 636+00	
470	LT Sta. 636+80 to 639+50	
160	LT Sta. 634+45 to 636+10	
780	TOTAL	

20201200 REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL

CU YD	LOCATION	REMARKS
520	SN 037-0173	
520	TOTAL	

20400800 FURNISHED EXCAVATION

CU YD	LOCATION	REMARKS
110	SN 037-0173	See Sht. 7 for table
110	TOTAL	

25000210 SEEDING, CLASS 2A

ACRE	LOCATION	REMARKS
0.1	RT Culvert to Sta. 639+50	
0.15	RT Sta. 633+81 to Culvert	
0.15	LT Culvert to Sta. 639+50	
0.1	LT Sta. 634+45 to Culvert	
0.5	TOTAL	

25000310 SEEDING, CLASS 4

ACRE	LOCATION	REMARKS
0.2	RT Culvert to Sta. 639+50	
0.1	RT Sta. 633+81 to Culvert	
0.1	LT Culvert to Sta. 639+50	
0.1	LT Sta. 634+45 to Culvert	
0.5	TOTAL	

25000750 MOWING

ACRE	LOCATION	REMARKS
0.3	RT Culvert to Sta. 639+50	
0.25	RT Sta. 633+81 to Culvert	
0.25	LT Culvert to Sta. 639+50	
0.2	LT Sta. 634+45 to Culvert	
1.0	TOTAL	

25100115 MULCH, METHOD 2

ACRE	LOCATION	REMARKS
1.2	RT Culvert to Sta. 639+50	4 applications assumed
1.0	RT Sta. 633+81 to Culvert	4 applications assumed
1.0	LT Culvert to Sta. 639+50	4 applications assumed
0.8	LT Sta. 634+45 to Culvert	4 applications assumed
4.0	TOTAL	

25100630 EROSION CONTROL BLANKET

SQ YD	LOCATION	REMARKS
515	LT Sta. 634+40 to Culvert	
705	RT Sta. 634+35 to Culvert	
810	LT Culvert to Sta. 639+50	
500	RT Culvert to Sta. 639+20	
2530	TOTAL	

28000250 TEMPORARY EROSION CONTROL SEEDING

POUND	LOCATION	REMARKS
120	RT Culvert to Sta. 639+50	4 applications assumed
100	RT Sta. 633+81 to Culvert	4 applications assumed
100	LT Culvert to Sta. 639+50	4 applications assumed
80	LT Sta. 634+45 to Culvert	4 applications assumed
400	TOTAL	

28000300 TEMPORARY DITCH CHECKS

EACH	LOCATION	REMARKS
2	LT & RT Sta. 635+00	
1	RT Sta. 635+90	
1	LT Sta. 636+00	
1	RT Sta. 636+80	
1	LT Sta. 637+00	
1	RT Sta. 637+40	
1	LT Sta. 637+50	
1	LT Sta. 638+00	
9	TOTAL	

28000400 PERIMETER EROSION BARRIER

FOOT	LOCATION	REMARKS
300	RT Sta. 636+50 to 639+50	
300	TOTAL	

28000500 INLET AND PIPE PROTECTION

EACH	LOCATION	REMARKS
1	RT Sta. 638+80	
1	LT Sta. 639+20	
2	TOTAL	

28100107 STONE RIPRAP, CLASS A4

SQ YD	LOCATION	REMARKS
530	LT & RT Sta. 636+00 to 636+90	
530	TOTAL	

28200200 FILTER FABRIC

SQ YD	LOCATION	REMARKS
530	LT & RT Sta. 636+00 to 636+90	
530	TOTAL	

31100300 SUB-BASE GRANULAR MATERIAL, TYPE A 4"

SQ YD	LOCATION	REMARKS
262	Sta. 636+02.13 to 636+88.13	
262	TOTAL	

35101400 AGGREGATE BASE COURSE, TYPE B

TON	LOCATION	REMARKS
27	RT FE Sta. 638+48	
53	LT FE Sta. 638+98	
80	TOTAL	

40600625 LEVELING BINDER (MACHINE METHOD), N50

TON	LOCATION	REMARKS
94	Sta. 635+00 to 639+00	
94	TOTAL	

40600982 HOT-MIX ASPHALT SURFACE REMOVAL – BUTT JOINT

SQ YD	LOCATION	REMARKS
80	Sta. 634+50	
80	Sta. 639+50	
160	TOTAL	

40600990 TEMPORARY RAMP

SQ YD	LOCATION	REMARKS
21.5	Sta. 634+50	
21.5	Sta. 639+50	
43	TOTAL	

40603310 HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50

TON	LOCATION	REMARKS
66	RT Sta. 633+81 to 638+47	
66	LT Sta. 634+45 to 639+00	
116	Sta. 634+50 to 639+50	
248	TOTAL	

44201335 CLASS C PATCHES, TYPE IV, 8"

SQ YD	LOCATION	REMARKS
234	Sta. 636+02.13 to 636+88.13	
234	TOTAL	

48102100 AGGREGATE WEDGE SHOULDERS, TYPE B

TON	LOCATION	REMARKS
0.8	Sta. 639+27.7 to 639+50	
2.2	Sta. 638+78.7 to 639+50	
48	SN 037-0173 Detour	Good Neighbor Policy
51	TOTAL	

48203019 HOT-MIX ASPHALT SHOULDERS, 5½"

SQ YD	LOCATION	REMARKS
543	LT Sta. 634+45 to 639+00	
545	RT Sta. 633+81 to 638+46	
1088	TOTAL	

50100300 REMOVAL OF EXISTING STRUCTURES NO. 1

EACH	LOCATION	REMARKS
1	SN 037-0106	
1	TOTAL	

50800105 REINFORCEMENT BARS

POUND	LOCATION	REMARKS
49,990	SN 037-0173	
49,990	TOTAL	

51500100 NAME PLATES

EACH	LOCATION	REMARKS
1	SN 037-0173	
1	TOTAL	

54003000 CONCRETE BOX CULVERTS

CU YD	LOCATION	REMARKS
254.9	SN 037-0173	
254.9	TOTAL	

54213459 END SECTIONS 24"

EACH	LOCATION	REMARKS
2	Sta. 638+35	
2	TOTAL	

54213465 END SECTIONS 30"

EACH	LOCATION	REMARKS
2	Sta. 639+88	
2	TOTAL	

542D0229 PIPE CULVERTS, CLASS D, TYPE I 24"

FOOT	LOCATION
90	RT Sta. 638+35
90	TOTAL

542D0235 PIPE CULVERTS, CLASS D, TYPE I 30"

FOOT	LOCATION	REMARKS
80	LT Sta. 638+88	
80	TOTAL	

63000000 STEEL PLATE BEAM GUARD RAIL, TYPE A

FOOT	LOCATION	REMARKS
287.5	RT Sta. 634+77.5 to 637+65	
287.5	LT Sta. 635+30 to 638+17.5	
575	TOTAL	

63100169 TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) FLARED

EACH	LOCATION	REMARKS
1	RT Sta. 634+27	
1	LT Sta. 634+80	
1	RT Sta. 638+14.5	
1	LT Sta. 638+65	
4	TOTAL	

63200310 GUARDRAIL REMOVAL

FOOT	LOCATION	REMARKS
100	LT Sta. 634+82.5 to Bridge	
100	RT Sta. 635+22.5 to Bridge	
90	LT Bridge to Sta. 637+08	
100	RT Bridge to Sta. 637+60	
390	TOTAL	

63500105 DELINEATORS

EACH	LOCATION	REMARKS
1	RT Sta. 634+27	
1	LT Sta. 634+77.5	
1	RT Sta. 638+14.5	
2	RT Sta. 638+48	
1	LT Sta. 638+65	
2	LT Sta. 638+98	
8	TOTAL	