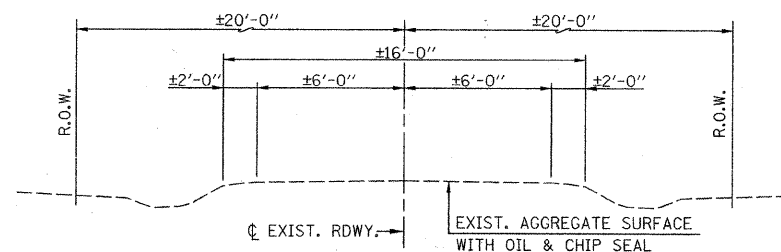


PROPOSED TYPICAL ROADWAY CROSS SECTION

••• 3:1 < 6'
2:1 > 6'
••••• 3:1 < 10'
2:1 > 10'



EXISTING TYPICAL ROADWAY CROSS SECTION

GENERAL NOTES

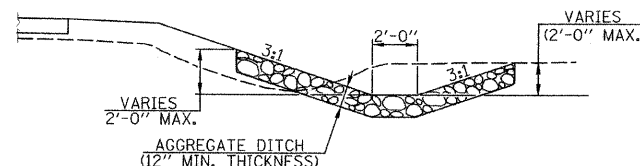
WHERE SECTION OR SUBSECTION STONES ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH STONES ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND PRESERVE ALL PROPERTY MARKERS AND MONUMENTS UNTIL THE OWNER, AUTHORIZED SURVEYOR, OR AGENT HAS WITNESSED OR REFERENCED THEIR LOCATION.

SEEDING: FERTILIZER NUTRIENTS SHALL BE APPLIED AT A RATIO OF 1:1:1 AND AT A RATE OF 90 POUNDS PER ACRE FOR EACH NUTRIENT.

MULCH SHALL BE APPLIED AT THE RATE OF 2 TONS PER ACRE.

AREAS TO BE SEEDDED SHALL CONSIST OF ALL DISTURBED EARTH SURFACES WITHIN THE RIGHT OF WAY AND EASEMENT AS DIRECTED BY THE ENGINEER.

BEFORE ORDERING PIPE CULVERTS CONTRACTOR SHALL CONSULT WITH ENGINEER TO VERIFY LENGTHS.



AGGREGATE DITCH DETAIL
(SEE SPECIAL PROVISIONS)
(STA. 14+25 TO STA. 15+75 LT. & RT.)

SCHEDULE TREE REMOVAL

LOCATION	6 TO 15 UNITS DIAMETER (UNIT)	OVER 15 UNITS DIAMETER (UNIT)
STA. 19+05 14' RT. 2 - 12"Ø	24	
STA. 19+03 14' RT.		48
STA. 19+23 4' RT.		18
TOTAL	24	66

SCHEDULE TEMPORARY DITCH CHECKS

LOCATION	QUANTITY (FOOT)
STA. 15+00 20.5' LT. & 20.5' RT.	24
STA. 16+00 27' LT. & 24' RT.	20
STA. 17+50 35' LT. & 35' RT.	26
TOTAL	70

SCHEDULE TREE REMOVAL, ACRES

LOCATION	QUANTITY (ACRE)
STA. 14+15 20' RT. TO STA. 16+08 31' RT.	0.04
STA. 14+15 20' LT. TO STA. 14+90 30' LT.	0.02
STA. 17+53 85' RT. TO STA. 17+98 118' RT.	0.09
STA. 19+20 120' RT. TO STA. 20+27 30' RT.	0.14
TOTAL	0.29

SAY 0.3 ACRE

SCHEDULE INLET & PIPE PROTECTION

LOCATION	QUANTITY (EACH)
STA. 15+06 20' RT.	1
STA. 15+38 22' RT.	1
STA. 19+30 32' RT.	1
STA. 19+95 17' RT.	1
TOTAL	4

SCHEDULE FENCE REMOVAL

LOCATION	QUANTITY (FOOT)
STA. 15+45 TO STA. 16+27 RT.	82
TOTAL	82

THIS SCHEDULE IS FOR INFORMATION PURPOSES ONLY. NOT TO BE PAID FOR SEPARATELY BUT COST TO BE INCLUDED IN THE CONTRACT UNIT PRICE FOR EARTH EXCAVATION.

SCHEDULE PERIMETER EROSION CONTROL BARRIER

LOCATION	QUANTITY (FOOT)
STA. 14+05 20' RT. TO STA. 15+10 30' RT.	115
STA. 15+40 30' RT. TO STA. 18+00 120' RT.	287
STA. 19+20 120' RT. TO STA. 20+35 30' RT.	147
STA. 14+05 20' LT. TO STA. 18+20 120' LT.	446
STA. 19+00 100' LT. TO STA. 21+40 20' LT.	272
TOTAL	1267

SCHEDULE AGGREGATE DITCH

LOCATION	AGGREGATE DITCH QUANTITY	
	LT. (TON)	RT. (TON)
STA. 14+25 TO STA. 14+50	17	10
STA. 14+50 TO STA. 15+00	33	31
STA. 15+00 TO STA. 15+50	29	37
STA. 15+50 TO STA. 15+75	14	17
SUB-TOTAL	93	95
TOTAL	188	

SUMMARY OF QUANTITIES

ITEM	UNIT	QUANTITY
20100110 TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	24
20100210 TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	66
20100500 TREE REMOVAL, ACRES	ACRE	0.3
20200100 EARTH EXCAVATION	CU. YD.	730
20300100 CHANNEL EXCAVATION	CU. YD.	3387
25000200 SEEDING, CLASS 2	ACRE	1.2
25000400 NITROGEN FERTILIZER NUTRIENT	POUND	108
25000500 PHOSPHORUS FERTILIZER NUTRIENT	POUND	108
25000600 POTASSIUM FERTILIZER NUTRIENT	POUND	108
25100115 MULCH, METHOD 2	ACRE	1.2
28000250 TEMPORARY EROSION CONTROL SEEDING	POUND	150
28000305 TEMPORARY DITCH CHECKS	FOOT	70
28000400 PERIMETER EROSION BARRIER	FOOT	1267
28000500 INLET AND PIPE PROTECTION	EACH	4
28100807 STONE DUMPED RIPRAP, CLASS A4	TON	850
28200200 FILTER FABRIC	SQ. YD.	1180
28300400 AGGREGATE DITCH	TON	188
40200800 AGGREGATE SURFACE COURSE, TYPE B	TON	636
50100100 REMOVAL OF EXISTING STRUCTURES	EACH	1
50200100 STRUCTURE EXCAVATION	CU. YD.	82
50200300 COFFERDAM EXCAVATION	CU. YD.	86
50201121 COFFERDAM (TYPE 2), LOCATION 1	EACH	1
50201122 COFFERDAM (TYPE 2), LOCATION 2	EACH	1
50300225 CONCRETE STRUCTURES	CU. YD.	97.7
50300280 CONCRETE ENCASMENT	CU. YD.	18.3
50400605 PRECAST PRESTRESSED CONCRETE DECK BEAMS (33" DEPTH)	SQ. FT.	4188
50800105 REINFORCEMENT BARS	POUND	11085
50900205 STEEL RAILING, TYPE S1	FOOT	352
51201400 FURNISHING STEEL PILES HP 10X42	FOOT	160
51201600 FURNISHING STEEL PILES HP 12X53	FOOT	300
51500100 NAME PLATES	EACH	1
542D0220 PIPE CULVERTS, CLASS D, TYPE 1 15"	FOOT	96
542D0223 PIPE CULVERTS, CLASS D, TYPE 1 18"	FOOT	36
67100100 MOBILIZATION	L. SUM	1
78201000 TERMINAL MARKER - DIRECT APPLIED	EACH	4
Z0065000 SETTING PILES IN ROCK	EACH	20

• SEE SPECIAL PROVISIONS
Δ SPECIALTY ITEMS

CONSTRUCTION TYPE CODE: 0011
BRIDGE TYPE CODE: X080

CHANNEL & EARTHWORK SCHEDULE

LOCATION	EARTH EXCAVATION	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE	EMBANKMENT	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)
	CU. YD.	CU. YD.	CU. YD.	CU. YD.
STA. 14+00 TO STA. 14+50	24	18	6	12
STA. 14+50 TO STA. 15+00	38	29	31	-2
STA. 15+00 TO STA. 15+50	21	16	84	-68
STA. 15+50 TO STA. 16+00	16	12	128	-116
STA. 16+00 TO STA. 16+50	12	9	202	-193
STA. 16+50 TO STA. 17+00	15	11	306	-295
STA. 17+00 TO STA. 17+50	34	26	363	-337
STA. 17+50 TO STA. 17+62	11	8	89	-81
BRIDGE OMISSION - STA. 17+62 TO STA. 19+38				
STA. 19+38 TO STA. 19+50	12	9	3	6
STA. 19+50 TO STA. 20+00	43	32	9	23
STA. 20+00 TO STA. 20+50	25	19	5	14
STA. 20+50 TO STA. 21+00	14	11	23	-12
STA. 21+00 TO STA. 21+40	6	4	17	-13
F.E. STA. 19+60 RT.	459	344	30	314
TOTAL	730	547	1896	-749 ****
CHANNEL EXCAVATION				
STA. 30+00 TO STA. 30+50	58	43	11	32
STA. 30+50 TO STA. 31+00	907	680	14	666
STA. 31+00 TO STA. 31+50	1646	1235	3	1232
STA. 31+50 TO STA. 32+00	776	582	2	580
TOTAL	3387	2540	30	2510

**** NO FURNISHED EXCAVATION REQUIRED BECAUSE SUITABLE EXCESS CHANNEL EXCAVATION WILL BE UTILIZED. ESTIMATED AT 50% - 1205 CU. YDS.
THE COST OF DISPOSING EXCESS CHANNEL AND STRUCTURE EXCAVATION SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR EARTH EXCAVATION.

FILE NAME: SHELBY
\$FILEFILE

USER NAME: SUSEHS
PLOT SCALE: SCALES
PLOT DATE: \$DATE*

DESIGNED: _____
DRAWN: _____
CHECKED: _____
DATE: _____

REVISED: _____
REVISED: _____
REVISED: _____
REVISED: _____



Allen Henderson & Associates, Inc.
Civil and Structural Engineers Springfield, IL.
62703 Phone: (217)544-8033 IL Design Firm
No. 184-001907

SUMMARY OF QUANTITIES, DETAILS, TYPICAL SECTIONS & SCHEDULES

SCALE: VARIES SHEET NO. 2 OF 27 SHEETS STA. 14+00.00 TO STA. 21+40.00

T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
272	10-03114-00-BR	SHELBY	27	2

CONTRACT NO. 95688
ILLINOIS FED. AID PROJECT