SUMMARY OF QUANTITIES

20100110 20200100 20300100 20400800 20800150 25000200 25000400 25000500	TREE REMOVAL (6 TO 15 UNITS DIAMETER) EARTH EXCAVATION CHANNEL EXCAVATION FURNISHED EXCAVATION TRENCH BACKFILL SEEDING, CLASS 2 NITROGEN FERTILIZER NUTRIENT PHOSPHORUS FERTILIZER NUTRIENT	UNIT CUYD CUYD CUYD CUYD CUYD	110 1831 522 2045
20300100 20400800 20800150 25000200 25000400	CHANNEL EXCAVATION FURNISHED EXCAVATION TRENCH BACKETLI	CUYD CUYD	522 2045
20400800 20800150 25000200 25000400	FURNISHED EXCAVATION	CUYD	2045
20800150 25000200 25000400	TRENCH BACKETLL		
25000200 25000400	TRENCH BACKFILL	CUYD	
25000400	SEEDING, CLASS 2		80
		ACRE	1.4
25000500	NITROGEN FERTILIZER NUTRIENT	POUND	126
23000300	PHOSPHORUS FERTILIZER NUTRIENT	POUND	126
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	126
25100115	MULCH, METHOD 2	ACRE	1.4
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	150
28000300	TEMPORARY DITCH CHECKS	EACH	10
28000400	PERIMETER EROSION BARRIER	FOOT	160
28000500	INLET PIPE PROTECTION	EACH	6
28100207	STONE RIPRAP. CLASS A4	TON	448
28200200	FILTER FABRIC	SQYD	668
40200800	AGGREGATE SURFACE COURSE. TYPE B	TON	1051
50100200	REMOVAL OF EXISTING STRUCTURES	LSUM	1
50200100	STRUCTURE EXCAVATION	CUYD	13
50300225	CONCRETE STRUCTURES	CUYD	19
50300280	CONCRETE ENCASEMENT	CUYD	2.8
50400605	PRECAST PRESTRESSED CONCRETE DECK BEAM (33"DEPTH)	SQFT	1776
50800105	REINFORCEMENT BARS	POUND	2572
50900205 *	STEEL RAILING. TYPE S1	FOOT	156
51201400	FURNISHING STEEL PILES HP 10 X 42	FOOT	192
51202305	DRIVING PILES	FOOT	192
51203400	TEST PILE STEEL HP 10 X 42	EACH	2
51500100	NAME PLATES	EACH	1
542D0220	PIPE CULVERTS, CLASS D, TYPE 1 15"	FOOT	109
542D0229	PIPE CULVERTS, CLASS D, TYPE 1 24"	FOOT	32
542D1060	PIPE CULVERTS, CLASS D. TYPE 2 15"	FOOT	50
542D1069	PIPE CULVERTS, CLASS D, TYPE 2 24"	FOOT	75
67100100	MOBILIZATION	LSUM	1
78201000 *	TERMINAL MARKER-DIRECT APPLIED	EACH	4
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* SPECIALTY ITEMS

EARTHWORK SCHEDULE

1	2	3	4	5
LOCATION	EARTH	EARTH	EMBANKMENT	EARTHWORK
	EXCAVATION	EXCAVATION		BALANCE
		ADJUSTED FOR		WASTE (+) OR
		SHRINKAGE		SHORTAGE (-)
	Cubic Yard	Cubic Yard	Cubic Yard	Cubic Yard
Sta. 10+50 to Sta. 14+52	1419	1064	821	243
Sta. 15+28 to Sta. 21+00	412	309	2597	-2288
Total	1831	1373	3418	-2045*

* Channel Ex. Unsuitable for use as fill.

Column 1,2, &4 - Location and Quantities from Cross Sections, Cut = Earth Excavation Fill = Embankment

Column 3 - Quantity of Earth Excavation (Cut) Adjusted for a shrinkage factor of 25%

Column 5 - Earthwork Balance (-) = Quantity of Furnished Excavation needed

Earthwork Balance (+) = Quantity of Earth Excavation Adjusted for shrinkage to be wasted

GENERAL	N	0
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- 1. Temporary erosion control to be implemented per the plans and as directed by the engineer.
- 2. The contractor shall provide postive drainage at all times within the construction areas and prevent drainage or ponding of water onto private property.

The following application rates have ben used to calculate the items necessary for seeding class 2 : 3. Fertilizer Nutrients:

- Nitrogen 90 Ibs per acre
- Phosphorous 90 Ibs per acre
- Potassium 90 lbs per acre
- Mulch 2 tons per acre

The seeding mixture shall confrom to roadside mixture type 2, during the period between November 1 and December 1. The contractor shall substitute 10 pounds of perennial rye for 48 pounds of oats, spring.

4. Only trees or shrubs marked for removal by the engineer shall be removed by the contractor.

5. All distrubed earth surfaces within the limits of the R.O.W. and easements shall be seeded as directed by the engineer.

6. Where section or subsection monuments are encountered, the engineer shall be notified before such monuments are removed. The contractor shall protect and carefully preserve all property marks and monuments until the owner, an authorized surveyor or agent has witnessed or otherwise referenced their location.

7. The contractor shall consult with the engineer in regard to the exact lengths of pipe culverts prior to ordering these items.

COI	NT	RAC	T NO	O. 9	95573	
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F.A RTE.	SECTION		COUNTY		TOTAL SHEETS	SHEET NO.
338	01-16117-00		Shelby		15	2
STA. 9+00 TO STA.21+00						
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT						

DTES

	ILLINOIS DEPARTMENT OF	TRANSPORTATION
REVISIONS NAME DATE	SUMMARY OF QUA TR 338 TRIBUTARY RI SECTION 01-16117 SHELBY COUNT STA 14+90 STRUCTURE NO. 08	CHLAND CREEK -00-BR -Y
	SCALE:	DRAWN BY
	DATE	CHECKED BY