

TR	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
69	*	SHELBY	12	2
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
* 01-19113-00-BR				

SUMMARY OF QUANTITIES

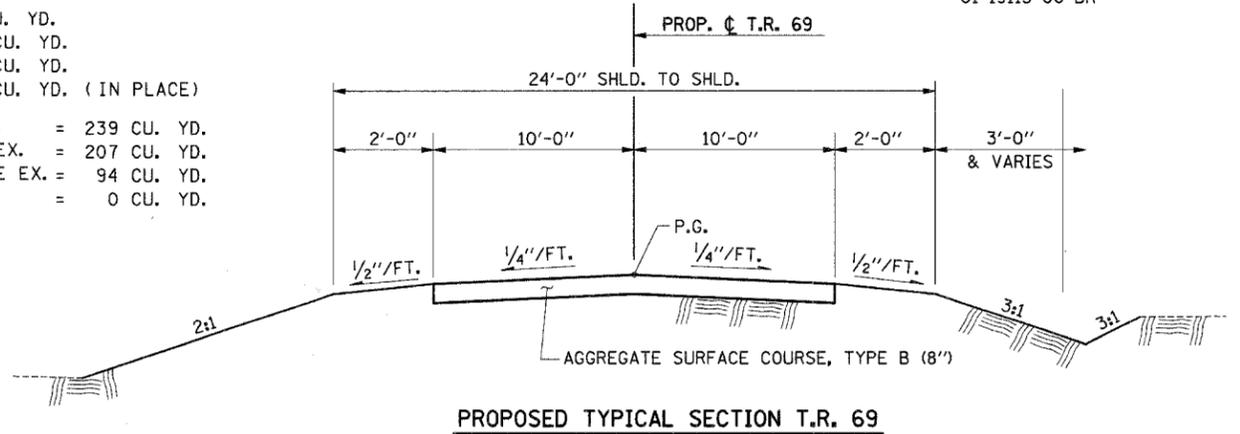
CODE NO.	ITEM	UNIT	QUANTITY
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	60
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	30
*20200100	EARTH EXCAVATION	CU YD	319
20300100	CHANNEL EXCAVATION	CU YD	415
*25000200	SEEDING, CLASS 2	ACRE	0.6
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	54
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	54
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	54
*25100115	MULCH, METHOD 2	ACRE	0.6
*28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	200
28000300	TEMPORARY DITCH CHECKS	EACH	4
28000400	PERIMETER EROSION BARRIER	FOOT	1,000
28000500	INLET AND PIPE PROTECTION	EACH	3
*28100807	STONE DUMPED RIPRAP, CLASS A4	TON	610
*28102600	STONE RIPRAP DITCH	TON	32
28200200	FILTER FABRIC	SQ YD	911
*40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	510
*50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1
50200100	STRUCTURE EXCAVATION	CU YD	117
50300225	CONCRETE STRUCTURES	CU YD	53.6
50300280	CONCRETE ENCASEMENT	CU YD	2.2
*50400505	PRECAST PRESTRESSED CONCRETE DECK BEAMS (27"DEPTH)	SQ FT	3,018
50800105	REINFORCEMENT BARS	POUND	4,740
50900205	STEEL RAILING, TYPE S1	FOOT	256
51201400	FURNISHING STEEL PILES HP10X42	FOOT	390
51202305	DRIVING PILES	FOOT	390
51203400	TEST PILE STEEL HP10X42	EACH	3
51500100	NAME PLATES	EACH	1
*54200643	PIPE CULVERTS, TYPE I, CORRUGATED STEEL OR ALUMINUM CULVERT PIPE 18"	FOOT	88
*54200649	PIPE CULVERTS, TYPE I, CORRUGATED STEEL OR ALUMINUM CULVERT PIPE 24"	FOOT	40
67100100	MOBILIZATION	L SUM	1
78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	4
*X5020501	UNDERWATER STRUCTURE EXCAVATION PROTECTION - LOCATION I	EACH	1

EARTHWORK SUMMARY

EARTH EXCAVATION = 319 CU. YD.
 CHANNEL EXCAVATION = 415 CU. YD.
 STRUCTURE EXCAVATION = 126 CU. YD.
 TOTAL FILL REQ'D. = 491 CU. YD. (IN PLACE)

** ESTIMATE OF FILL FROM EARTH EX. = 239 CU. YD.
 *** ESTIMATE OF FILL FROM CHANNEL EX. = 207 CU. YD.
 ** ESTIMATE OF FILL FROM STRUCTURE EX. = 94 CU. YD.
 FURNISHED EXCAVATION REQUIRED = 0 CU. YD.

** 25% SHRINKAGE FACTOR APPLIED
 *** 50% SHRINKAGE FACTOR APPLIED



INLET & PIPE PROTECTION

STA.	OFFSET	QUANTITY
12+76	18' RT	1
13+60	23' LT	1
16+43	34' LT	1
TOTAL		3

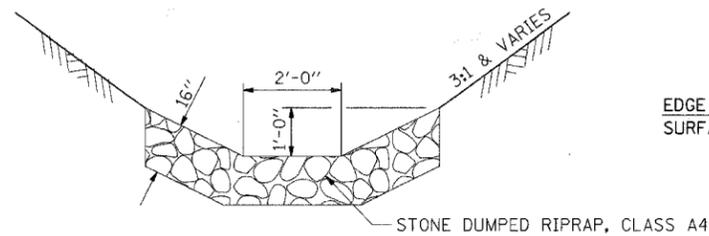
TEMPORARY DITCH CHECKS

STA.	OFFSET	QUANTITY
14+00	24' RT	1
15+36	32.5' RT	1
14+58	39' LT	1
15+67	38' LT	1
TOTAL		4

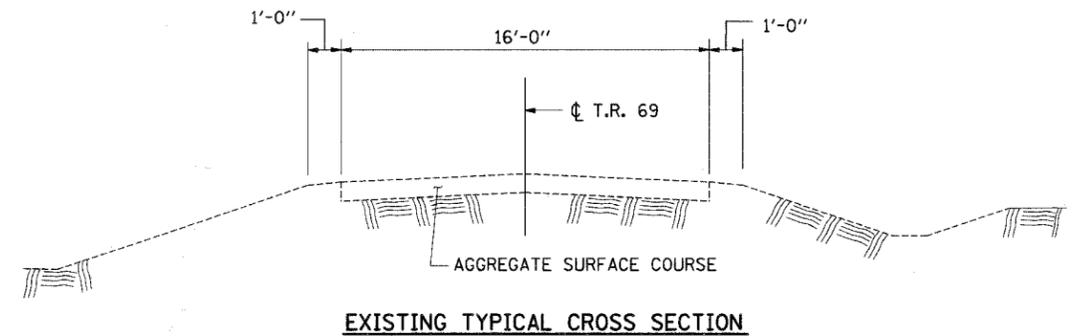
PERIMETER EROSION CONTROL BARRIER *

STA. TO	STA.	OFFSET	PERIMETER EROSION BARRIER (FEET)
12+45	14+80	RT	235
15+40	18+00	RT	260
12+45	14+50	LT	205
15+00	18+00	LT	300
TOTAL			1000

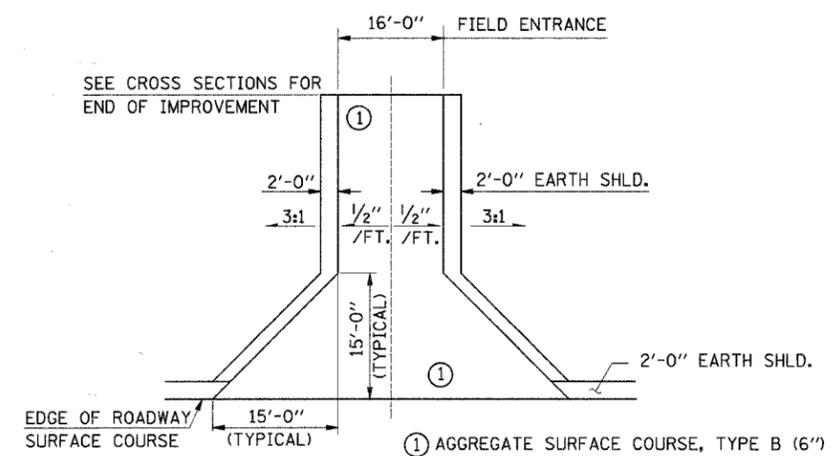
* SEE SPECIAL PROVISIONS



PROPOSED TYPICAL SECTION T.R. 69



EXISTING TYPICAL CROSS SECTION



FIELD ENTRANCE DETAIL

* - INDICATES SPECIAL PROVISIONS

GENERAL NOTES

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.

THE CONTRACTOR SHALL CONSULT WITH THE ENGINEER IN REGARD TO THE EXACT LENGTHS OF PIPE CULVERTS PRIOR TO ORDERING THESE ITEMS.

IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING MATERIALS.

ALL DISTURBED EARTH SURFACES WITHIN THE LIMITS OF THE RIGHT-OF-WAY AND EASEMENTS SHALL BE SEEDDED AS DIRECTED BY THE ENGINEER.

ESTIMATED QUANTITIES

ITEM	RATE OF APPLICATION	QUANTITIES
SEEDING CLASS 2	=	= 0.6 ACRES
NITROGEN FERTILIZER NUTRIENTS	= 90 LBS./ACRE	= 54 POUNDS
PHOSPHORUS FERTILIZER NUTRIENTS	= 90 LBS./ACRE	= 54 POUNDS
POTASSIUM FERTILIZER NUTRIENTS	= 90 LBS./ACRE	= 54 POUNDS
MULCH METHOD 2	=	= 0.6 ACRES

THE SEEDING MIXTURE SHALL CONFORM TO ROADSIDE MIXTURE TYPE 2, DURING THE PERIOD BETWEEN NOVEMBER 1, AND DECEMBER 31. THE CONTRACTOR SHALL SUBSTITUTE 10 POUNDS OF PERENNIAL RYE FOR 48 POUNDS OF OATS, SPRING.

CHANNEL EXCAVATION

THE CHANNEL SHALL BE EXCAVATED WITH 2:1 SIDE SLOPES AS SHOWN. ESTIMATED QUANTITY = 415 CU. YDS. SUITABLE EXCAVATED MATERIAL SHALL BE USED FOR EMBANKMENT AS DIRECTED BY THE ENGINEER. ESTIMATED QUANTITY USED FOR EMBANKMENT = 207 CU. YDS.

RIP-RAP DITCH

(NO BEDDING OR FILTER FABRIC)
 RT STA. 14+00 TO RT STA. 14+52