

SUMMARY OF QUANTITIES

(CONSTRUCTION TYPE CODE X080-2A)

CODE NO.	ITEM	UNIT	QUANTITY
20200100	EARTH EXCAVATION	CU YD	574
20300100	CHANNEL EXCAVATION	CU YD	194
20400800	FURNISHED EXCAVATION	CU YD	1229
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
28000300	TEMPORARY DITCH CHECKS	EACH	8
28000400	PERIMETER EROSION BARRIER	FOOT	208
28000500	INLET AND PIPE PROTECTION	EACH	2
28100107	STONE RIPRAP, CLASS A4	SQ YD	843
28200200	FILTER FABRIC	SQ YD	843
30201500	LIME	TON	29.3
31000600	PROCESSING LIME STABILIZED SOIL MIXTURE 12"	SQ YD	1300
35101800	AGGREGATE BASE COURSE, TYPE B 6"	SQ YD	152
40300100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	686
40600300	AGGREGATE (PRIME COAT)	TON	3
48101200	AGGREGATE SHOULDERS, TYPE B	TON	128
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1
50300225	CONCRETE STRUCTURES	CU YD	21.3
50400605	PRECAST PRESTRESSED CONCRETE DECK BEAMS (33" DEPTH)	SQ FT	1732
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	2540
50900205	STEEL RAILING, TYPE S1	FOOT	145
51201400	FURNISHING STEEL PILES HP10X42	FOOT	319
51202700	DRIVING STEEL PILES	FOOT	319
51203400	TEST PILE STEEL HP10X42	EACH	1
51204315	CONCRETE ENCASEMENT	CU YD	3.4
51500100	NAME PLATES	EACH	1
542D0220	PIPE CULVERTS, CLASS D, TYPE 1 15"	FOOT	70
58100200	WATERPROOFING MEMBRANE SYSTEM	SQ YD	192
58300100	PORTLAND CEMENT MORTAR FAIRING COURSE	FOOT	506
67100100	MOBILIZATION	L SUM	1
X4066414	* BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "C", N50	TON	153
X4066614	* BITUMINOUS CONCRETE BINDER COURSE, SUPERPAVE, IL-19.0, N50	TON	406
Z0013825	* CONTROLLED LOW-STRENGTH MATERIAL	CU YD	16

* SEE SPECIAL PROVISIONS

GENERAL NOTES

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

CLASS OF SEEDING	BEGINNING DATES	TERMINATION DATES
1, 1A, 1B, 2, 2A, 3 (IN SPRING)	APRIL 1	MAY 15
1, 1A, 1B, 2, 2A, 3 (IN FALL)	AUGUST 15	OCTOBER 15

LAYOUT OF EROSION CONTROL ITEMS MAY BE VARIED IN THE FIELD TO SUIT GROUND CONDITIONS AS DIRECTED BY THE ENGINEER.

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE ACTUAL LOCATION OF ALL UNDERGROUND UTILITY FACILITIES. HE SHALL ALSO OBTAIN FROM THE RESPECTIVE UTILITY COMPANIES DETAILED INFORMATION RELATIVE TO THE LOCATION OF THEIR FACILITIES AND THE WORKING SCHEDULES OF THE UTILITY COMPANIES FOR THEIR MARKING OF THE EXACT LOCATION.

WHERE SECTION OR SUB-SECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL MONUMENTS UNTIL AN AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE COST OF HAVING AN AUTHORIZED SURVEYOR RE-ESTABLISH ANY SECTION OR SUB-SECTION MONUMENTS DESTROYED BY HIS OPERATIONS.

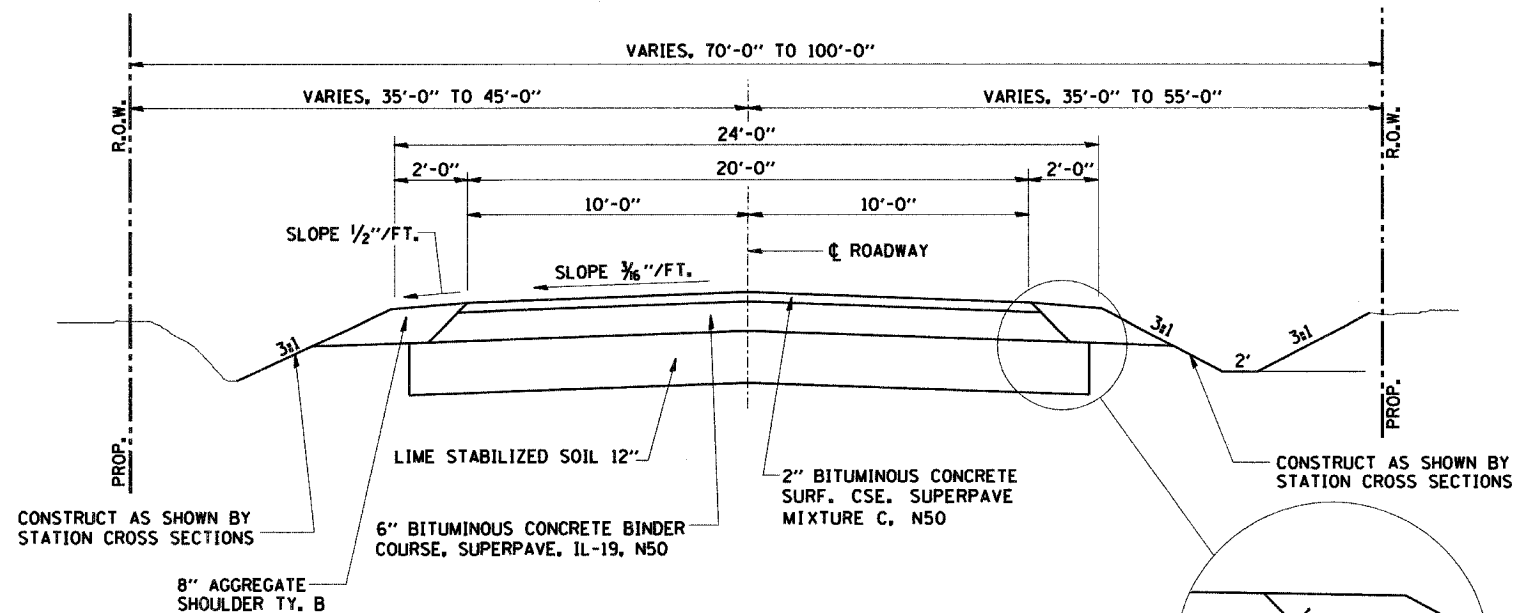
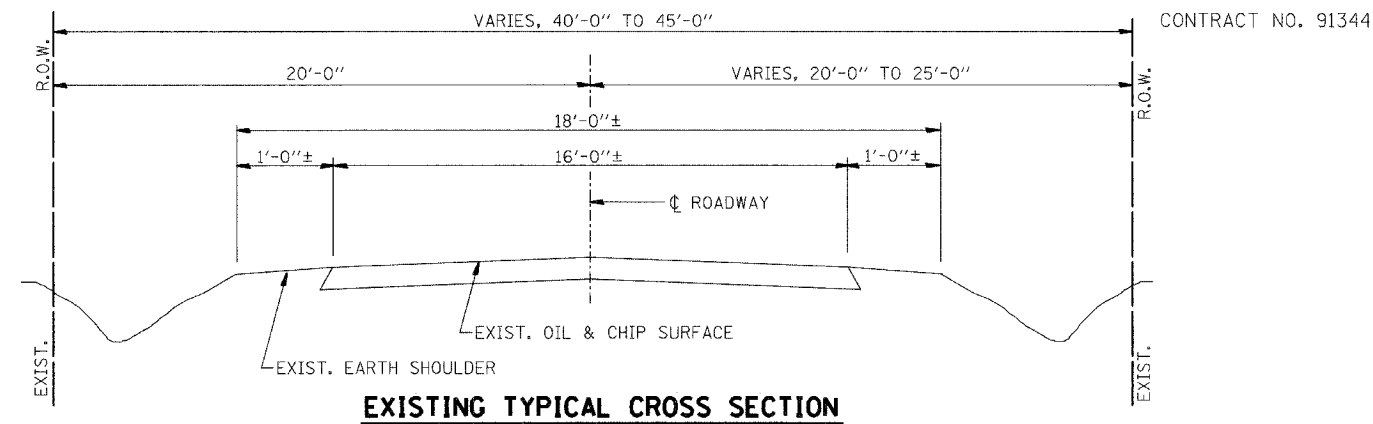
REMOVAL OF EXISTING PAVEMENT MATERIAL SHALL BE INCLUDED IN EARTH EXCAVATION.

APPLICATION RATES

LIME	45	LBS./S. Y.
GRANULAR MATERIALS	2.05	TONS/CU. YD.
BITUMINOUS MATERIALS-PRIME COAT	0.50	GALS./S. Y.
BITUMINOUS MATERIALS-FOG COAT	0.03	GALS./S. Y.
AGGREGATE PRIME COAT	2.4	LBS./S. Y.
BITUMINOUS CONCRETE	112	LBS./S. Y./INCH
NITROGEN FERTILIZER NUTRIENT	90	LBS./ACRE
PHOSPHORUS FERTILIZER NUTRIENT	90	LBS./ACRE
POTASSIUM FERTILIZER NUTRIENT	90	LBS./ACRE
MULCH METHOD 2	2	TONS/ACRE

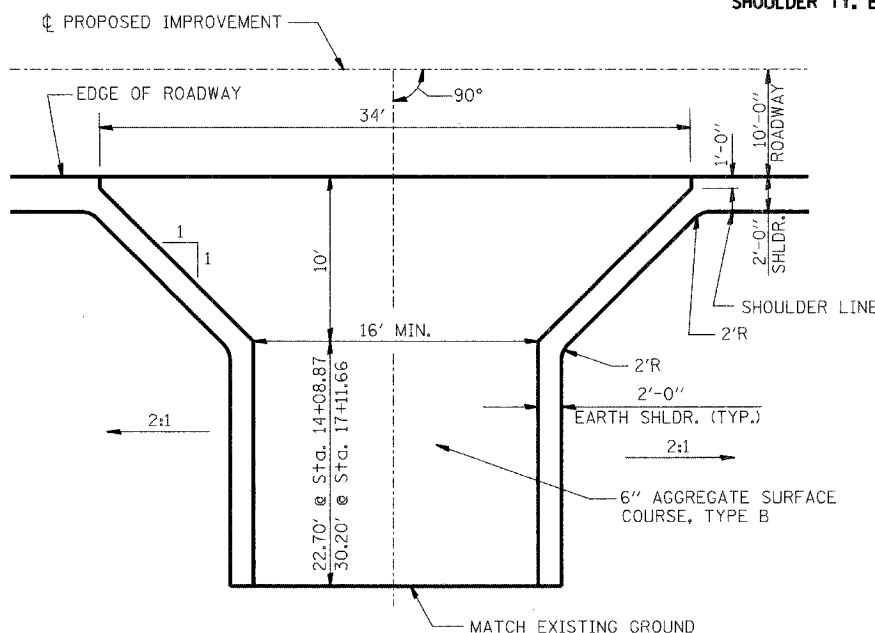
BITUMINOUS MIXTURE REQUIREMENTS

LOCATION	CH 54	CH 54
MIX USE	BINDER	SURFACE
AC/PG	PG 58-22	PG 58-22
RAP %	25	15
DESIGN VOIDS	4.0 @ N=50	4.0 @ N=50
MIXTURE COMPOSITION (GRAD. MIXTURE)	IL-19.0	IL-9.5
FRICTION	N/A	MIX C



PROPOSED TYPICAL CROSS SECTION

STA. 12+60.00 TO STA. 15+24.45
 STA. 15+98.39 TO STA. 18+75.00
 (TRANSITION STA. 12+60.00 TO STA. 13+60.00)
 (TRANSITION STA. 17+75.00 TO STA. 18+75.00)



FIELD ENTRANCE DETAIL

LT., STA. 14+08.87
 RT., STA. 17+11.66
 AGGREGATE BASE COURSE, TYPE B 6"
 TOTAL = 152 SQ YD

ROADWAY QUANTITY SCHEDULE

LOCATION	PROC LIME STAB SOIL MIX 12" (SQ YD)	BIT MATLS PR CT (GAL)	AGG PR CT (TON)	BIT BINDER CSE 6" (TON)	BIT SURFACE CSE 2" (TON)	AGG SHLDS TY B (TON)
M.L. STA. 12+60.00 TO STA. 15+24.45	635	335	1.5	198	64	63
M.L. STA. 15+98.39 TO STA. 18+75.00	665	351	1.5	208	67	65
OVERLAY AT STRUCTURE					22	
TOTALS	1300	686	3	406	153	128

GENERAL DATA

Date	Designed MJP	<p>C.H. 54 OVER DRAINAGE DITCH SECTION 05-00197-00-BR MACON COUNTY STA. 15+61.42 PROP. STR. NO. 058-3379</p>
Revisions	Drawn BKN	
	Checked KWB	
	Approved KWB	
Prepared by:	URS	
<p>3040 North University Avenue Decatur, IL 62526</p>		<p>URS Job No. 36431470</p>