

**SUMMARY OF QUANTITIES**

CODE NO.	ITEM	UNIT	QUANTITY
20100500	TREE REMOVAL, ACRES	ACRE	0.1
20200100	EARTH EXCAVATION	CU. YD.	460
20300100	CHANNEL EXCAVATION	CU. YD.	1012
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	50
28000305	TEMPORARY DITCH CHECKS	FOOT	38
28100807	STONE DUMPED RIPRAP, CLASS A4	TON	565
28200200	FILTER FABRIC	SQ. YD.	972
28300400	AGGREGATE DITCH	TON	456
35100100	AGGREGATE BASE COURSE, TYPE A	TON	332
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	280
40603080	HOT MIX ASPHALT BINDER COURSE, IL-19.0 N50	TON	105
40603310	HOT MIX ASPHALT SURFACE COURSE, MIX C N50	TON	63
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1
50200100	STRUCTURE EXCAVATION	CU. YD.	200
50300225	CONCRETE STRUCTURES	CU. YD.	41.9
50400505	PRECAST PRESTRESSED CONCRETE DECK BEAMS (27" DEPTH)	SQ. FT.	2030
50800105	REINFORCEMENT BARS	POUND	5385
50900205	STEEL RAILING, TYPE S-1	FOOT	138
51201400	FURNISHING STEEL PILES HP10X42	FOOT	500
51202305	DRIVING PILES	FOOT	500
51203400	TEST PILE HP10X42	EACH	2
51500100	NAME PLATES	EACH	1
542D0220	PIPE CULVERTS, CLASS D, TYPE 1 15"	FOOT	32
63100075	TRAFFIC BARRIER TERMINAL, TYPE 5A	EACH	4
63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	4
67100100	MOBILIZATION	L. SUM	1
78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	1225
78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	4
X2501000	SEEDING, CLASS 2 (SPECIAL)	ACRE	0.5
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L. SUM	1

\* SEE SPECIAL PROVISIONS  
 CONSTRUCTION TYPE CODE: 0011  
 BRIDGE TYPE: X080

**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.

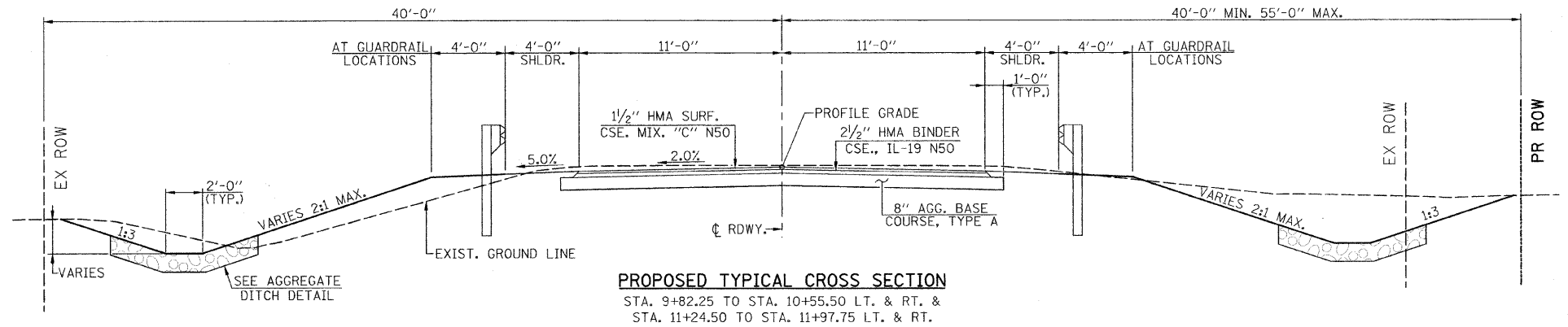
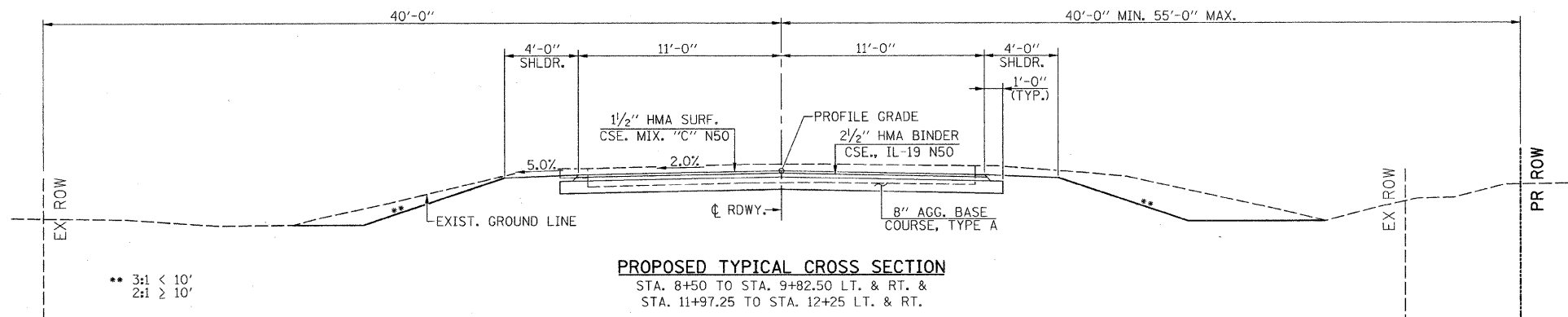
AREAS TO BE SEEDDED SHALL CONSIST OF ALL DISTURBED EARTH SURFACES WITHIN THE RIGHT OF WAY AS DIRECTED BY THE ENGINEER.

THE EXISTING ROAD SIGNS THAT INTERFERE WITH CONSTRUCTION WILL BE REMOVED OR RELOCATED AS DIRECTED BY THE ENGINEER. AFTER THE CONSTRUCTION IS COMPLETED, THE CONTRACTOR WILL REPLACE THE SIGNS AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCLUDED IN THE CONTRACT, AND NO COMPENSATION WILL BE ALLOWED.

NO COMMITMENTS.

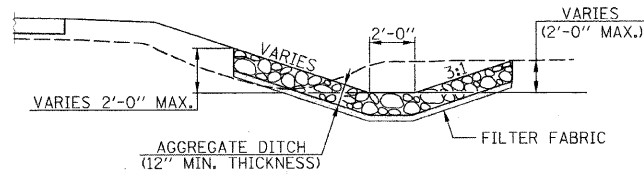
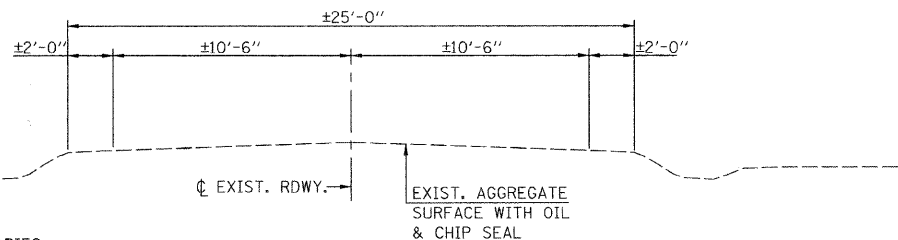
THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED TO CALCULATE THE PLAN QUANTITIES:

BITUMINOUS MATERIALS (PRIME COAT)	0.375 GAL/SQ.YD. (ON AGG)
HOT MIX ASPHALT SURFACE / BINDER	0.056 TON/SQ. YD. PER 1"
AGGREGATE MATERIAL	2.05 TON/CU. YD.
RIPRAP	1.5 TON/CU. YD.
NITROGEN FERTILIZER NUTRIENT	90 LBS./ACRE
PHOSPHOROUS FERTILIZER NUTRIENT	90 LBS./ACRE
POTASSIUM FERTILIZER NUTRIENT	90 LBS./ACRE
MULCH	2.0 TON/ACRE



**PAVEMENT DESIGN INFORMATION**

2022 DESIGN TRAFFIC: 662  
 PV-622, MU-20, SU-20  
 CLASS III ROAD DESIGN FOR  
 80,000 POUND LOAD  
 T.F. - 0.10  
 TEMP. - 77°  
 EAC - 620 ksi  
 SAC - 291  
 USE: 4" HMA ON 8" AGGREGATE BASE



**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. 8+50 TO STA. 9+00	51	38	0	-38
STA. 9+00 TO STA. 9+50	94	71	9	-62
STA. 9+50 TO STA. 10+00	102	77	21	-56
STA. 10+00 TO STA. 10+50	95	71	78	7
STA. 10+50 TO STA. 10+55.50	5	4	13	9
BRIDGE OMISSION - STA. 10+55.50 TO STA. 11+24.50				
STA. 11+24.50 TO STA. 11+50	38	29	10	-19
STA. 11+50 TO STA. 12+00	63	47	20	-27
STA. 12+00 TO STA. 12+25	12	9	3	-6
<b>TOTAL</b>	<b>460</b>	<b>346</b>	<b>154</b>	<b>-192***</b>

\*\*\* - NO FURNISHED EXCAVATION WILL BE REQUIRED. THE COST OF DISPOSING EXCESS EARTH, STRUCTURE OR CHANNEL EXCAVATION SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR EARTH EXCAVATION.

**MIXTURE REQUIREMENTS**

MIXTURE USE(S)	HOT MIX ASPHALT SURFACE COURSE, MIX "C", N50	HOT MIX ASPHALT BINDER COURSE, IL-19.0, N50
AC/PG	PG 64-22	PG 64-22
DESIGN	4.0% @ N DESIGN = 50	4.0% @ N DESIGN = 50
AIR VOIDS		
MIXTURE COMPOSITION	IL 9.5 OR 12.5	IL 19.0
FRICTION		
AGGREGATE	MIX C	N/A