



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		
AIR VOIDS	4.0% @ N DESIGN = 50	4.0% @ N DESIGN = 50
MIXTURE COMPOSITION	IL 9.5 OR 12.5	IL 19.0
FRICTION		
AGGREGATE	MIX C	N/A

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 ksf
 Sac = 291
 USE: 4" HMA ON 8" AGGREGATE BASE

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	QUANTITY
20100500	TREE REMOVAL, ACRES	ACRE	0.1
20200100	EARTH EXCAVATION	CU. YD.	1174
20300100	CHANNEL EXCAVATION	CU. YD.	597
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	90
28000305	TEMPORARY DITCH CHECKS	FOOT	14
28100807	STONE DUMPED RIPRAP, CLASS A4	TON	522
28200200	FILTER FABRIC	SQ. YD.	829
35100100	AGGREGATE BASE COURSE, TYPE A	TON	632
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	520
40603080	HOT MIX ASPHALT BINDER COURSE, IL-19.0 N50	TON	183
40603310	HOT MIX ASPHALT SURFACE COURSE, MIX "C" N50	TON	109
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1
50200100	STRUCTURE EXCAVATION	CU. YD.	156
50300225	CONCRETE STRUCTURES	CU. YD.	30.6
50400505	PRECAST PRESTRESSED CONCRETE DECK BEAMS (27" DEPTH)	SO. FT.	1760
50800105	REINFORCEMENT BARS	POUND	3740
50900205	STEEL RAILING, TYPE S-1	FOOT	120
51200957	FURNISHING METAL SHELL PILES 12"x0.250"	FOOT	344
51202305	DRIVING PILES	FOOT	344
51203200	TEST PILE METAL SHELLS	EACH	2
51500100	NAME PLATES	EACH	1
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	1517
78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	4
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L. SUM	1
X2501000	SEEDING, CLASS 2 (SPECIAL)	ACRE	0.9

* SEE SPECIAL PROVISIONS
 Δ SPECIALTY ITEMS

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.

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 AS DIRECTED BY THE ENGINEER.

NO COMMITMENTS.

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. 91+40.00 TO STA. 91+50.00	6	4	0	4
STA. 91+50.00 TO STA. 92+00.00	69	52	17	35
STA. 92+00.00 TO STA. 92+50.00	114	85	31	54
STA. 92+50.00 TO STA. 93+00.00	78	59	30	29
STA. 93+00.00 TO STA. 93+25.00	52	39	16	23
STA. 93+25.00 TO STA. 93+47.50	65	49	15	34
BRIDGE OMISSION - STA. 93+47.50 TO STA. 94+07.50				
STA. 94+07.50 TO STA. 94+25.00	22	17	26	-9
STA. 94+25.00 TO STA. 94+50.00	56	42	66	-24
STA. 94+50.00 TO STA. 95+00.00	294	221	108	113
STA. 95+00.00 TO STA. 95+50.00	223	167	60	107
STA. 95+50.00 TO STA. 96+00.00	51	38	107	-69
STA. 96+00.00 TO STA. 96+50.00	52	39	98	-59
STA. 96+50.00 TO STA. 97+00.00	76	57	61	-4
STA. 97+00.00 TO STA. 97+20.00	16	12	5	7
TOTAL	1174	881	640	241**

** - 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.

