

CULVERT SCHEDULE

LOCATION		PIPE CULVERT REMOVAL	PIPE CULVERTS, CLASS A, TYPE 1 18"	PIPE CULVERTS, CLASS A, TYPE 1 24"	PIPE CULVERTS, CLASS A, TYPE 1 30"	PIPE CULVERTS, CLASS A, TYPE 2 36"	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 30"	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 36"	TRENCH BACKFILL
INV EL		FOOT	FOOT	FOOT	FOOT	FOOT	EACH	EACH	EACH	EACH	CU YD
ENTRANCE											
18+84	LT STA 18+68.55 31.85' 540.01 TO STA 19+08.55 31.96' 538.09	24			40				2		
24+80	LT STA 24+51.35 38.21' 511.81 TO STA 25+44.22 66.06' 503.92									2	
26+18	LT STA 25+31.57 19.88' TO STA 25+73.70 17.99'	43									
25+49	RT STA 25+20.62 36.71' TO STA 25+76.82 43.02'	57									
28+63	LT STA 28+43.95 11.46' TO STA 28+76.06 10.20'	32									
29+20	LT STA 27+98.42 77.79' 493.87 TO STA 29+49.44 60.48' 507.05				152					2	
36+09	LT STA 36+07.40 37.14' TO STA 36+10.73 51.87'	15									
36+17	LT STA 35+93.06 31.76' 544.21 TO STA 36+33.06 30.18' 545.89	37	40				2				
AR 42+42	CTR STA 42+42.00 42.7' L 540.90 TO STA 42+42.00 53.5' RT 536.50					80				2	60.0
AR 42+79	CTR STA 42+77.14 26.38' TO STA 42+79.80 25.53'	52									36.0
43+61	LT STA 43+44.27 34.87' 542.06 TO STA 43+76.27 32.63' 542.34	20		32					2		
TOTAL		280	40	32	40	320	2	2	2	6	96
USE		280	40	32	40	320	2	2	2	6	96

ENTRANCE SCHEDULE

LOCATION			AGG SURFACE COURSE, TYPE B
STA.	TYPE	FE	TON
18+84	LT	FE	39
24+80	LT	FE	182
29+20	LT	FE	171
36+17	LT	PE	98
37+87	RT	FE	26
43+61	LT	FE	34

HMA MIXTURE REQUIREMENTS

ROUTE	FAS 779 (CH 21)
SECTION	07-00085-00-BR
COUNTY	BOND
CONTRACT	97508

DESCRIPTION: POKEY RD. OVER TRIB. TO SHOAL CREEK
20 YR. ESAL'S: 0.25

MIXTURE USE	SURFACE	BINDER
AC/PG	PG 64-22	PG 64-22
RAP % (MAX)	0%	10%
DESIGN AIR VOIDS	4.0% @ Ndes=70	4.0% @ Ndes=70
MIX COMPOSITION (GRADATION MIXTURE)	IL 9.5	IL 19.0
FRICITION AGG	MIXTURE C	N/A

EARTHWORK SCHEDULE

(SEE SPECIAL PROVISIONS)

LOCATION		A	B	C	D	E = C - D
		CHANNEL EXCAVATION	EARTH EXCAVATION	EXCAVATION ADJUSTED FOR SHRINKAGE/LOSS	REQUIRED FILL	BALANCE: WASTE (+) OR SHORTAGE (-)
		CU YD	CU YD	CU YD	CU YD	CU YD
STA 16+50.00	TO STA 23+00.00		1,672.0	1,254.0	996.0	258.0
STA 23+00.00	TO STA 26+40.00 (NORTH ABUTMENT)		1,027.0	770.3	5,788.0	-5,017.8
STA 26+40.00 (NORTH ABUTMENT)	TO STA 27+60.00 (SOUTH ABUTMENT)	1,193.0		894.8	932.0	-37.3
STA 27+60.00 (SOUTH ABUTMENT)	TO STA 32+00.00		809.0	606.8	9,939.0	-9,332.3
STA 32+00.00	TO STA 34+50.00		899.0	674.3	409.0	265.3
STA 34+50.00	TO STA 40+50.00		1,806.0	1,354.5	467.0	887.5
STA 40+50.00	TO STA 46+00.00		1,447.0	1,085.3	869.0	216.3
TOTAL		1,193.0	7,660.0	5,554.5	19,400.0	-12,976.5
USE		1,193	7,660	5,555	19,400	12,980

NOTES:
QUANTITIES ESTIMATED FROM CROSS-SECTION END AREAS.
SCHEDULE ASSUMES A 25% SHRINKAGE/LOSS FACTOR.
COLUMN "A" - CUT MATERIAL FROM THE CHANNEL (CHANNEL EXCAVATION)
COLUMN "B" - CUT MATERIAL OUTSIDE THE CHANNEL (EARTH EXCAVATION)
COLUMN "C" - CUT MATERIAL ADJUSTED FOR SHRINKAGE/LOSS AND SUITABLE FOR EMBANKMENT (NOT A PAY ITEM)
COLUMN "D" - REQUIRED FILL MATERIAL (NOT A PAY ITEM)
COLUMN "E" - BALANCE OF CUT MATERIAL AND FILL MATERIAL (FURNISHED EXCAVATION)

TREE REMOVAL SCHEDULE

LOCATION							TREE REMOVAL, ACRES
							ACRE
STA	21+78.00	LT	TO	STA	25+63.00	LT	0.30
STA	26+42.00	LT	TO	STA	27+74.00	LT	0.16
STA	28+59.00	LT	TO	STA	31+63.00	LT	0.44
STA	37+12.00	LT	TO	STA	42+19.00	LT	0.23
STA	44+50.00	LT	TO	STA	46+00.00	LT	0.05
TOTAL							1.18
USE							1.2

THERE SHALL BE NO TREE CLEARING FROM APRIL 1 THROUGH SEPTEMBER 30.

EXTRA BARS FOR TEST SAMPLES

BAR	NO.	SIZE	LENGTH	SHAPE
h ₁ (E)	1	#7	14'-5"	—
h ₃ (E)	1	#4	17'-5"	—
u(E)	1	#6	10'-4"	≡
v(E)	1	#5	6'-4"	—

THESE BARS SHALL BE IDENTICAL TO AND DELIVERED WITH THE BARS OF THE SAME MARK LISTED IN THE STRUCTURE SHEETS. ONE BAR OF EACH OF THESE MARKS WILL BE SELECTED BY THE ENGINEER TO BE USED AS A TEST SAMPLE.

THIS CHART ASSUMES THAT ALL BARS OF THE SAME SIZE ON THE JOB WILL HAVE THE SAME HEAT NUMBER. IF BARS OF THE SAME SIZE ON THE JOB HAVE DIFFERENT HEAT NUMBERS, THEN THE CONTRACTOR SHALL SUPPLY ADDITIONAL BARS FROM OTHER HEAT NUMBERS FOR SAMPLING BY THE ENGINEER AT NO ADDITIONAL COST.

PHASE 2 WORK ITEMS

CODE NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	Phase 1	Phase 2
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	550	50	500
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	1,420		1,420
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	1,414		1,414
40603085	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	TON	2,239		2,239
40603315	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N70	TON	875	141	734
48100100	AGGREGATE SHOULDERS, TYPE A	TON	920		920
63100087	TRAFFIC BARRIER TERMINAL, TYPE 6A	EACH	4		4
63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	4		4
67100100	MOBILIZATION	L SUM	1	0.9	0.1
78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	4		4
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	0.9	0.1
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	0.9	0.1

PAY ITEMS NOT INCLUDED IN THE ABOVE TABLE SHALL BE COMPLETED IN PHASE 1.

PAVING SCHEDULE

LOCATION		AGGREGATE BASE COURSE, TYPE B	BITUMINOUS MATERIALS (PRIME COAT)	HMA SURFACE REMOVAL - BUTT JOINT	HMA BINDER COURSE, IL-19.0, N70	HMA SURFACE COURSE, MIX "C", N70	AGGREGATE SHOULDERS, TYPE A
		TON	GALLON	SQ YD	TON	TON	TON
STA 16+50.00	TO STA 23+00.00	800	307	347	485	159	234
STA 23+00.00	TO STA 25+03.00	396	96		151	50	73
STA 25+03.00	TO STA 26+40.00	319	106	360	167	55	
BRIDGE OMISSION							
STA 27+60.00	TO STA 28+97.00	319	106	360	167	55	
STA 28+97.00	TO STA 32+00.00	591	143		226	74	109
STA 32+00.00	TO STA 34+50.00	564	118		186	61	90
STA 34+50.00	TO STA 40+50.00	1171	284		447	146	216
STA 40+50.00	TO STA 46+00.00	896	260	347	410	134	198
TOTAL		5,056	1,420	1,414	2,239	734	920
USE		5,056	1,420	1,414	2,239	734	920