

EARTHWORK SCHEDULE

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 12+50.00 TO STA 17+88.00 (NORTH ABUTMENT)		205.8	154.4	1,073.0	-918.7
STA 17+88.00 (NORTH ABUTMENT) TO STA 19+08.00 (SOUTH ABUTMENT)	900.3		506.4	175.6	330.8
STA 19+08.00 (SOUTH ABUTMENT) TO STA 26+00.00		1,707.1	1,280.3	1,365.8	-85.5
TOTAL	900.3	1,912.9	1,941.1	2,614.4	-673.3
USE	901	1,915	1,945	2,615	-670

NOTES:

QUANTITIES ESTIMATED FROM CROSS-SECTION END AREAS.
 SCHEDULE ASSUMES A 25% SHRINKAGE/LOSS FACTOR. (CHANNEL EXCAVATION ADJUSTED FOR LOSS AND SHRINKAGE)
 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)

PIPE CULVERT SCHEDULE

LOCATION	PIPE CULVERT REMOVAL	PIPE CULVERTS, CLASS A, TYPE 1 15"	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"
	FOOT	FOOT	EACH
ENTRANCE			
14+60 RT STA 14+46.03 20.88' 478.05 TO STA 14+73.89 22.50' 477.34	22	32	2
24+60 LT STA 24+41.90 19.03' 503.84 TO STA 24+78.07 19.50' 504.20	31	40	2
TOTAL	53	72	4
USE	53	72	4

PAVING SCHEDULE

LOCATION	AGGREGATE BASE COURSE, TYPE B	BITUMINOUS MATERIALS (PRIME COAT)	BITUMINOUS MATERIALS (COVER AND SEAL COATS)	COVER COAT AGGREGATE	SEAL COAT AGGREGATE	AGGREGATE SHOULDERS, TYPE A
	TON	GALLON	GALLON	TON	TON	TON
STA 12+50.00 TO STA 17+88.00	564	487	1295	24	12	176
BRIDGE OMISSION						
STA 19+08.00 TO STA 26+00.00	729	631	1682	31	16	208
ENTRANCES						
STA 14+60.00 RT	15					
STA 24+60.00 LT	17					
STA 24+64.00 RT	5					
TOTAL	1,330	1,118	2,977	55	28	384
USE	1,330	1,118	2,977	55	28	384

TREE REMOVAL SCHEDULE

LOCATION	TREE REMOVAL, ACRES
	ACRE
STA 16+07.00 RT TO STA 18+35.00 RT	0.11
STA 18+09.00 RT TO STA 23+91.00 RT	0.59
STA 18+97.00 LT TO STA 19+77.00 LT	0.01
STA 20+45.00 LT TO STA 24+38.00 LT	0.07
TOTAL	0.78
USE	0.8

TREE PLANTING SCHEDULE

LOCATION	TREE, QUERCUS RUBRA (RED OAK), 2" CALIPER, BALLED AND BURLAPPED	TREE, CERCIS CANADENSIS (EASTERN REDBUD), 2" CALIPER, TREE FORM, BALLED AND BURLAPPED
	EACH	EACH
STA 17+90.00 55.00' RT	1	
STA 19+50.00 65.00' LT		1
STA 19+75.00 50.00' LT	1	
STA 20+00.00 65.00' LT		1
STA 20+20.00 50.00' RT	1	
STA 20+25.00 45.00' LT	1	
STA 20+50.00 58.00' LT		1
STA 20+60.00 40.00' RT		1
STA 20+75.00 40.00' LT	1	
STA 21+00.00 39.00' RT		1
STA 21+00.00 54.00' LT		1
STA 21+25.00 39.00' LT	1	
STA 21+40.00 39.00' RT		1
STA 21+75.00 39.00' LT		1
STA 21+80.00 39.00' RT		1
STA 22+25.00 34.00' LT		1
TOTAL	6	10
USE	6	10

HMA MIXTURE REQUIREMENTS

ROUTE	TR 156
SECTION	02-04116-00-BR
COUNTY	BOND
CONTRACT	97521

DESCRIPTION: DUDLEYVILLE RD. OVER LITTLE BEAVER CREEK
 20 YR. ESAL'S: 0.06

MIXTURE USE	SURFACE
AC/PG	PG 64-22
RAP % (MAX)	10%
DESIGN AIR VOIDS	4.0% @ Ndes=50
MIX COMPOSITION (GRADATION MIXTURE)	IL 9.5
FRICTION AGG	MIXTURE C

SPECIFIED BARS FOR TEST SAMPLES

BAR	NO.	SIZE	LENGTH	SHAPE
h(E)	2	#7	10'-7"	—
p1(E)	1	#4	28'-2"	—
u(E)	2	#6	11'-1"	≡
v(E)	2	#5	8'-9"	—

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. TEST BARS WILL NOT BE MEASURED FOR PAYMENT IN ACCORDANCE WITH ARTICLE 508.07 OF THE STANDARD SPECIFICATIONS.

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