

SHEET	STATION TO STATION	EARTHWORK						
		EARTHWORK			EXCESS (BORROW)	FURNISHED EXCAVATION	EARTH EXCAVATION	
		CUT	FILL	FILL x 1.33				
CU YD								
FAU ROUTE 753 (IL RTE 104)								
	93+00.0	96+41.0	13.6	11.8	15.8	(2.2)	1.6	13.6
	100+00.0	106+00.0	28.8	39.4	52.6	(23.8)	17.8	28.8
	106+00.0	112+00.0	5.9	102.2	136.3	(130.4)	97.8	5.9
	112+00.0	118+00.0	80.6	18.9	25.2	55.4	(41.6)	80.6
	118+00.0	118+87.3	8.3	1.4	1.9	6.4	(4.9)	8.3
MORGAN STREET								
	7+02.52	9+50.0	9.6	12.2	16.3	(6.7)	5.0	9.6
IL 111/MILLER STREET								
	8+68.72	10+53.1	14.3	3.6	4.8	9.5	(7.2)	14.3
PROJECT TOTAL								
USE			162	190	253	(92)	69	162

A SHRINKAGE FACTOR OF 25% WAS USED TO DETERMINE THE EXCESS AND BORROW QUANTITIES.
SWELL FACTOR = 1.00/0.75 = 1.33.

COLUMN 3 = COLUMN 2 x 1.33 (SWELL FACTOR)
COLUMN 4 = COLUMN 1 - COLUMN 3
COLUMN 5 = COLUMN 2 - COLUMN 1 x 0.75
COLUMN 6 = COLUMN 1

EARTH EXCAVATION = COLUMN 6
(PAY ITEM QUANTITY) = 162 CU YD

FURNISHED EXCAVATION = COLUMN 5
(PAY ITEM QUANTITY) = 69 CU YD

EXCAVATING & GRADING EXISTING SHOULDER, SPECIAL

STATION TO STATION	SIDE	EXCAVATING & GRADING EXISTING SHOULDER, SPECIAL	UNIT
FAU 753 (IL 104)			
111+04.3	112+17.92	RT	1
112+17.92	124+50.00	RT	12
112+10.50	124+50.00	LT	13
PROJECT TOTAL			26

HEAVY DUTY EXCELSIOR BLANKET

STATION TO STATION	SIDE	WIDTH	HEAVY DUTY EXCELSIOR BLANKET
		FT	SQ YD
FAU 753 (IL 104)			
MORGAN STREET			
7+60	8+50	LT	12
9+06	9+36	LT	40
PROJECT TOTAL			160

RIPRAP QUANTITIES

STATION TO STATION	SIDE	WIDTH	STONE RIPRAP, CLASS A4	FILTER FABRIC
		FT	TON	SQ YD
MORGAN STREET				
6+94.9	7+15.0	LT	18.3	34
PROJECT TOTAL			20	34

ESTIMATED QUANTITIES

ITEMS	UNIT	TOTAL
THIS ITEM TO BE USED TO FILL THE SUBGRADE IN THE AREAS OF SHOULDER REPLACEMENT.		
SUB-BASE GRANULAR MATERIAL, TYPE B	TON	200
THIS ITEM TO BE USED TO PROVIDE TEMPORARY ACCESS TO ENTRANCES.		
AGGREGATE FOR TEMPORARY ACCESS	TON	350
THE FOLLOWING ITEMS INCLUDE ESTIMATED QUANTITIES FOR ADJUSTING WATER MAIN AND WATER SERVICE ITEMS.		
ADJUSTING WATER MAIN 6"	FOOT	40
DOMESTIC WATER SERVICE BOXES TO BE ADJUSTED	EACH	2
THE FOLLOWING ITEMS INCLUDE ESTIMATED QUANTITIES FOR HANDLING TEMPORARY EROSION CONTROL.		
TEMPORARY EROSION CONTROL SEEDING	POUND	500
AGGREGATE DITCH CHECKS	EACH	5
PERIMETER EROSION BARRIER	FOOT	200
INLET & PIPE PROTECTION	EACH	20

STATION TO STATION	SIDE	SEEDING, CLASS 2	NITROGEN FERTILIZER NUTRIENT	PHOSPHORUS FERTILIZER NUTRIENT	POTASSIUM FERTILIZER NUTRIENT	AGRICULTURAL GROUND LIMESTONE	MULCH, METHOD 2	SODDING	SUPPLEMENTAL WATERING (5 APPLICATIONS)						
										ACRE	POUND	TON	ACRE	SQ YD	UNIT
FAU ROUTE 753 (IL RTE 104)															
75+29.0	100+36.05	LT & RT	3.5	3.5	3.5	0.12		280.5	4.2						
100+36.05	110+44.0	LT	10.6	10.6	10.6	0.35		858.3	12.9						
100+36.05	110+44.0	RT	10.0	10.0	10.0	0.33		810.0	12.2						
110+44.0	112+10.5	LT	1.3	1.3	1.3	0.04		101.7	1.5						
110+44.0	112+10.5	RT	1.5	1.5	1.5	0.05		119.9	1.8						
111+94.0	127+59.0	RT	0.3	0.3	0.3	0.01		26.2	0.4						
112+10.5	114+23.6	LT	2.2	2.2	2.2	0.07		174.9	2.6						
114+75.3	118+82.4	LT	7.2	7.2	7.2	0.24		580.8	8.7						
119+00.0	120+68.0	LT	0.0	0.0	0.0	0.00		1.3	0.1						
IL RTE 111															
8+67.8	9+60.1	LT	1.1	1.1	1.1	0.04		88.1	1.3						
MORGAN STREET															
6+90.0	9+60.0	LT	0.07	6.3	6.3	0.14	0.07								
9+51.1	9+60.0	RT	0.01	0.9	0.9	0.02	0.01								
PROJECT TOTALS															
USE			0.08	44.9	44.9	1.42	0.08	3,041.7	45.7						
USE			0.25	45	45	1.5	0.25	3,042	46						

HOT-MIX ASPHALT PAVING SCHEDULE

STATION TO STATION	SIDE	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	LEVELING BINDER (MACHINE METHOD), N50	HOT-MIX ASPHALT SHOULDERS, 8"	HOT-MIX ASPHALT SHOULDERS	AGGREGATE SHOULDERS, TYPE B	1st APPLICATION BITUMINOUS MATERIALS (PRIME COAT)	2nd APPLICATION BITUMINOUS MATERIALS (PRIME COAT)	1st APPLICATION AGGREGATE (PRIME COAT)	2nd APPLICATION AGGREGATE (PRIME COAT)			
											TON	SQ YD	TON
FAU ROUTE 753 (IL RTE 104)													
40+44.59	100+36.05	RT	1,369.7	683.8	55.0	485.7	286.6	9.05	6.13	32.0	32.0		
40+44.59	100+36.05	LT				527.5	300.3						
100+36.05	110+44.00	RT	227.0	139.0	843.7			1.06	1.03	5.4	5.4		
100+36.05	110+44.00	LT			778.3								
110+44.00	112+10.50	RT	40.6	49.6	94.4			0.19	0.18	1.0	1.0		
110+44.00	112+10.50	LT			94.8								
112+10.50	151+05.21	RT	963.4	478.3	391.2	186.7	4.34	4.39	23.1	22.8			
112+10.50	151+05.21	LT			371.7	200.8							
IL RTE 111													
			64.2					0.39	2.1				
MILLER ST													
			16.5					0.15	0.8				
PROJECT TOTAL			2,681.4	1,350.7	2,629.1	1,013.2	974.4	14.64	12.27	64.4	61.2		
USE			2,682	1,351	2,630	1,014	975	27.0	126				

SIDEROAD SCHEDULE

STATION TO STATION	SIDE	PREPARATION OF BASE	INCIDENTAL HOT-MIX ASPHALT SURFACING
		SQ YD	TON
FAU 753 (IL 104)			
VANDALIA STREET	LT	280.6	125.7
CURTISS STREET	LT	99.6	44.6
CURTISS STREET	RT	82.6	37.0
GROSS ROAD	RT	368.0	164.8
HARKER STREET	RT	192.6	86.3
GROVE STREET	RT	146.6	65.7
GROVE STREET	LT	148.5	66.6
PEARL STREET	RT	196.4	88.0
PEARL STREET	LT	161.5	72.3
93+00.5	94+54.3	RT	48.1
PROSPECT STREET	RT	159.6	71.5
PROSPECT STREET	LT	149.1	66.8
BROOKS STREET	RT	96.7	43.3
BROOKS STREET	LT	140.4	62.9
VICTORIA DRIVE	LT		17.5
SCOTTIE DRIVE	RT	90.2	40.4
MORGAN STREET	LT	250.3	112.1
PERRY ROAD	LT	89.5	40.1
TOTAL		2,652.2	1,253.7
USE		2,653	1,254

NOTE: THESE QUANTITIES ARE IN ADDITION TO THE QUANTITIES IN THE ENTRANCE SCHEDULE.

SURFACE REMOVAL - BUTT JOINT SCHEDULE

STATION	HOT-MIX ASPHALT SURFACE REMOVAL BUTT JOINT	PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT
SQ YD		
FAU ROUTE 753 (IL 104)		
40+44.59	120.0	
114+50.00		131.8
151+50.21	130.0	
SUBTOTAL FROM ENTRANCE SCHEDULE		0.0
TOTAL		869.3
USE		870

SHOULDER REPAIR

ITEM	UNIT	TOTAL
THIS ITEM IS USED TO FILL A HOLE IN THE EARTH SHOULDER AT RT STA 126+00.0		
STONE RIPRAP, CLASS A1	TON	2
PROJECT TOTAL		2

HOT-MIX ASPHALT BASE COURSE, 12"

STATION TO STATION	SIDE	HOT-MIX ASPHALT BASE COURSE, 12"	
		SQ YD	
FAU ROUTE 753 (IL 104)			
109+87.8	110+24.3	LT	158.4
110+19.2	110+76.6	RT	195.9
110+63.4	110+91.6	LT	112.9
PROJECT TOTAL		467.2	
USE		468	

TEMPORARY RAMP

LOCATION	SIDE	TEMPORARY RAMP
		SQ YD
FAU ROUTE 753 (IL 104)		
STA 40+44.59	CL	14.4
N CURTISS ST	RT	45.2
S CURTISS ST	LT	57.3
GROSS RD	RT	146.2
HARKER ST	RT	92.7
N GROVE ST	RT	71.8
S GROVE ST	LT	72.9
N PEARL ST	RT	94.2
S PEARL ST	LT	78.4
N PROSPECT ST	RT	77.2
S PROSPECT ST	LT	73.0
N BROOKS ST	RT	55.5
S BROOKS ST	LT	69.3
MILLER ST	RT	59.4
IL RTE 111	LT	120.5
VICTORIA DR	LT	65.9
SCOTTIE DR	RT	52.4
MORGAN ST	LT	63.7
STA 151+50.21	CL	13.3
PROJECT TOTAL		1,323.3
USE		1,324

REVISIONS

NAME	DATE