

SUMMARY OF APPROXIMATE QUANTITIES

SUMMARY OF APPROXIMATE QUANTITIES

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
05-00333-00-BT	McLEAN	56	2	
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

CODE	ITEM	UNIT	QUANTITY	100% CITY	CODE	ITEM	UNIT	QUANTITY	100% CITY
			MFT					MFT	
20200100	EARTH EXCAVATION	CU YD	1,206		66400105	CHAIN LINK FENCE, 4'	FOOT	20	
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	380		66400505	CHAIN LINK FENCE, 8'	FOOT	285	
20400800	FURNISHED EXCAVATION	CU YD	1,342		66400555	CHAIN LINK FENCE, 5' (SPECIAL)	FOOT	485	
20700400	POROUS GRANULAR EMBANKMENT, SPECIAL	CU YD	385		66400560	CHAIN LINK FENCE, 6' (SPECIAL)	FOOT	2,830	
20800150	TRENCH BACKFILL	CU YD	305		67100100	MOBILIZATION	L. SUM	1	
20800250	TRENCH BACKFILL, SPECIAL	CU YD		132	70103700	TRAFFIC CONTROL COMPLETE	L. SUM	1	
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	1,000		*78001110	PAINT PAVEMENT MARKING-LINE 4"	FOOT	2,830	
21101505	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	382		*78001130	PAINT PAVEMENT MARKING-LINE 6"	FOOT	60	
25000110	SEEDING, CLASS 1	ACRE	0.7		*78001150	PAINT PAVEMENT MARKING-LINE 12"	FOOT	90	
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	63		Z0010615	CLEANING EXISTING INLETS	EACH	1	
25000500	PHOPOROUS FERTILIZER NUTRIENT	POUND	63		Z0013798	CONSTRUCTION LAYOUT	L. SUM	1	
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	63		Z0077740	WOOD GUARD RAIL	FOOT	340	
25100115	MULCH, METHOD 2	ACRE	0.7		XX002118	STORM SEWER, DUCTILE IRON, 12"	FOOT	860	
28000255	TEMPORARY EROSION CONTROL SEEDING	ACRE	0.7		*XX003526	DUCTILE IRON WATER MAIN FITTINGS 8"x 6" REDUCER	EACH		3
28000300	TEMPORARY DITCH CHECKS	EACH	1		*XX003538	DUCTILE IRON WATER MAIN FITTINGS 8" TEE	EACH		3
28000400	PERIMETER EROSION BARRIER	FOOT	2,000		*XX003539	DUCTILE IRON WATER MAIN FITTINGS 8"x 6" TEE	EACH		1
28000500	INLET AND PIPE PROTECTION	EACH	25		*XX003544	DUCTILE IRON WATER MAIN FITTINGS, 6" 90 DEGREE	EACH		1
28100225	STONE RIPRAP, CLASS B3	TON	10		Z0034210	MECHANICALLY STABILIZED EARTH RETAINING WALL	SQ FT	2,452	
28200200	FILTER FABRIC	SQ YD	20		*XX004377	STEAMER FIRE HYDRANTS	EACH		5
31101000	SUB-BASE GRANULAR MATERIAL, TYPE B	TON	500		*XX004731	CONNECTION TO EXISTING WATER MAIN	EACH		2
35101400	AGGREGATE BASE COURSE, TYPE B	TON	2,000		XX004895	PIPE UNDERDRAIN CLEANOUT, COMPLETE	EACH		8
40201000	AGGREGATE FOR TEMPORARY ACCESS	TON	65		*XX005478	DUCTILE IRON WATER MAIN, 6" RESTRAINED JOINT	FOOT		105
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GAL	2,235		*XX005479	DUCTILE IRON WATER MAIN, 8" RESTRAINED JOINT	FOOT		380
40600615	LEVELING BINDER (MACHINE METHOD), N30	TON	245		*XX005790	RECONNECT SANITARY SERVICE LATERALS, 6"	EACH		6
40603100	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N30	TON	55		*XX006168	SAMPLING AND CHLORINATION TAP	EACH		2
40603305	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N30	TON	950		*XX007027	TRENCH BACKFILL, WATER MAIN	CU YD		464
42001400	BRIDGE APPROACH PAVEMENT, SPECIAL	SQ YD	27		XX104100	CONNECTION TO EXISTING MANHOLE	EACH		3
42001420	BRIDGE APPROACH PAVEMENT CONNECTOR (ASPHALT)	SQ YD	16		*X0300020	WATER SERVICE CONNECTION	EACH		11
42400100	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SQ FT	3,185		X0322508	PEDESTRIAN TRUSS SUPERSTRUCTURE	SQ FT	2,714	
42400300	PORTLAND CEMENT CONCRETE SIDEWALK 6 INCH	SQ FT	505		X0322923	SEGMENTAL CONCRETE BLOCK WALL	SQ FT	2,375	
42400800	DETECTABLE WARNINGS	SQ FT	22		*X0323175	DUCTILE IRON WATER MAIN BEND, 90 DEGREE, 8 INCHES	EACH		1
44000100	PAVEMENT REMOVAL	SQ YD	900		X0632001	CLEAR PROTECTIVE COATING FOR CONCRETE	SQ FT	4,286	
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	40		XX007996	GATE VALVES W/ RESTRAINED JOINT AND BOX, 6"	EACH		7
44000300	CURB REMOVAL	FOOT	85		XX007997	GATE VALVES W/ RESTRAINED JOINT AND BOX, 8"	EACH		3
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	330		XX007998	INLETS, TYPE H, TYPE 50 FRAME AND GRATE	EACH		7
44000600	SIDEWALK REMOVAL	SQ FT	3,770		*XX007999	SANITARY MANHOLES WITH TYPE 1 FRAME AND GRATE	EACH		3
44200276	PAVEMENT PATCHING, TYPE II	SQ YD	65		*XX008000	DUCTILE IRON SANITARY SEWER 12"	FOOT	400	
44201974	CLASS D PATCHES, TYPE I	SQ YD	5						
48101200	AGGREGATE SHOULDERS, TYPE B	TON	25						
50102400	CONCRETE REMOVAL	CU YD	40						
50105220	PIPE CULVERT REMOVAL	FOOT	40						
50300225	CONCRETE STRUCTURES	CU YD	17.7						
50300280	CONCRETE ENCASMENT	CU YD	16.6						
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	2,760						
51201400	FURNISHING STEEL PILES HP10X42	FOOT	620						
51202305	DRIVING PILES	FOOT	620						
51203400	TEST PILE SHEET HP10X42	EACH	2						
51500100	NAME PLATES	EACH	1						
52100520	ANCHOR BOLTS, 1"	EACH	24						
550A0050	STORM SEWER, CLASS A, TYPE 1 12"	FOOT	210						
550A0340	STORM SEWER, CLASS A, TYPE 2 12"	FOOT	140						
55100100	STORM SEWER REMOVAL 4"	FOOT	15						
55100500	STORM SEWER REMOVAL 12"	FOOT	20						
*56103100	DUCTILE IRON WATER MAIN, 8"	FOOT		725					
*56400100	FIRE HYDRANTS TO BE MOVED	EACH		1					
*56400400	FIRE HYDRANTS TO BE RELOCATED	EACH		1					
*56400500	FIRE HYDRANTS TO BE REMOVED	EACH		3					
*56500600	DOMESTIC WATER SERVICE BOXES TO BE ADJUSTED	EACH		11					
58700300	CONCRETE SEALER	SQ FT	144						
59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	10						
60109580	PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT	870						
60218300	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME AND OPEN LID	EACH	3						
60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME AND CLOSED LID	EACH	1						
60236200	INLETS, TYPE A, TYPE 8 GRATE	EACH	3						
60238710	INLETS, TYPE A WITH SPECIAL GRATE	EACH	1						
60240210	INLETS, TYPE B, TYPE 1 FRAME, OPEN LID	EACH	1						
60240301	INLETS, TYPE B, TYPE 8 GRATE	EACH	1						
60255500	MANHOLES TO BE ADJUSTED	EACH	6						
60257600	MANHOLES TO BE ADJUSTED WITH FRAME AND GRATE (SPECIAL)	EACH	1						
60260100	INLETS TO BE ADJUSTED	EACH	1						
60266600	VALVE BOXES TO BE ADJUSTED	EACH	3						
60500060	REMOVING INLETS	EACH	1						
60500070	REMOVING MANHOLES TO MAINTAIN FLOW	EACH	1						
60500090	REMOVING INLETS TO MAINTAIN FLOW	EACH	1						
60602400	CONCRETE GUTTER (SPECIAL)	FOOT	250						
60602800	CONCRETE GUTTER, TYPE B	FOOT	585						
60603300	GUTTER OUTLET	EACH	4						
60604400	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18	FOOT	65						
60606800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-9.18	FOOT	1,455						

GENERAL NOTES

- SEEDING, SODDING AND THE APPLICATION OF FERTILIZER(S) ARE INCLUDED AS PART OF THIS PROJECT.
- ALL SAW CUTTING OF EXISTING PAVEMENT SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT. THE MINIMUM SAW CUT DEPTH SHALL BE 1-1/2" UNLESS OTHERWISE SPECIFIED ON THE PLANS.
- ALL SIDEWALKS SHALL BE CONSTRUCTED WITH HANDICAP ACCESSIBLE RAMPS AT ALL INTERSECTIONS AS PER STANDARD 4240001. PAYMENT FOR THESE RAMPS SHALL BE MADE AT THE COST PER SQUARE FOOT FOR P.C. CONCRETE SIDEWALK OF THE THICKNESS NOTED. DETECTABLE WARNINGS SHALL BE MEASURED AND PAID FOR SEPARATELY.
- ALL ABANDONED SEWER AND INLET LEADS SHALL BE PLUGGED WITH PORTLAND CEMENT CONCRETE AS INCIDENTAL TO THIS CONTRACT.
- THE EXISTING ROAD SIGNS THAT INTERFERE WITH THE CONSTRUCTION SHALL BE REMOVED BY THE CITY OF BLOOMINGTON. THE CONTRACTOR SHALL GIVE THE CITY 48 HOURS NOTICE (EXCLUSIVE OF WEEKENDS OR HOLIDAYS) BEFORE COMMENCING ACTIVITIES REQUIRING SIGN REMOVAL AND/OR RELOCATION. UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR REMOVE CITY SIGNS.
- ABANDONED UNDERGROUND UTILITIES THAT CONFLICT WITH CONSTRUCTION SHALL BE DISPOSED OF OUTSIDE THE LIMITS OF THE RIGHT OF WAY ACCORDING TO ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER.
- THE FOLLOWING RATES OF APPLICATION HAVE BEEN ASSUMED IN CALCULATING PLAN QUANTITIES:

HOT-MIX ASPHALT PRIME COAT (MC-30)	0.4 GALS/ SQ YD (ON AGGREGATE)
HOT-MIX ASPHALT PRIME COAT (RC-70)	0.10 GALS/ SQ YD
HOT-MIX ASPHALT CONCRETE BINDER COURSE	112 LB/ SQ YD/ IN
HOT-MIX ASPHALT CONCRETE SURFACE COURSE	112 LB/ SQ YD/ IN
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING UTILITY PROPERTY FROM CONSTRUCTION OPERATIONS AS OUTLINED IN ARTICLE 107.26 OF THE STANDARD SPECIFICATIONS. THE J.U.L.I.E. TELEPHONE NUMBER IS 1-800-892-0123. A MINIMUM OF 48 HOURS ADVANCE NOTICE IS REQUIRED. MEMBERS OF J.U.L.I.E. KNOWN TO BE WITHIN THE PROJECT AREA ARE:
 - CITY OF BLOOMINGTON
 - AMEREN I.P.
 - COMCAST COMMUNICATIONS
 - NICOR GAS
 - VERIZON NORTH
- ALL FENCE REMOVAL SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE BID PER CUBIC YARD FOR EARTH EXCAVATION. NO SEPARATE PAYMENT SHALL BE MADE.

SEEDING						
LOCATION	SEEDING, CLASS I	NITROGEN FERTILIZER NUTRIENT	PHOSPHORUS FERTILIZER NUTRIENT	POTASSIUM FERTILIZER NUTRIENT	MULCH, METHOD 1	TEMPORARY EROSION CONTROL SEEDING
	ACRE	POUND	POUND	POUND	ACRE	ACRE
CONSTITUTION TRAIL	0.65	59	59	59	0.65	0.65
OAKLAND AVENUE CONNECTOR	0.01	1	1	1	0.01	0.01
TAYLOR STREET CONNECTOR	0.04	3	3	3	0.04	0.04
TOTALS	0.7	63	63	63	0.7	0.7

EARTHWORK SCHEDULE SUMMARY - FOR INFORMATION ONLY								
EARTHWORK LOCATION	RAW EARTH EXCAVATION (CU YD)	TOPSOIL EXCAVATION & PLACEMENT (CU YD)		EARTH EXC. ADJUSTED TOPSOIL (CU YD)	EARTH EXC. ADJUSTED FOR SHRINKAGE (2% S.F.) (CU YD)	EMBANKMENT INCLUDING TOPSOIL (CU YD)	EMBANKMENT ADJUSTMENT FOR TOPSOIL (CU YD)	EARTH EXCAVATION WASTE (+) OR SHORTAGE (-) (CU YD)
		CUT	FILL					
CONSTITUTION TRAIL	909	149	206	1,058	794	2,443	2,237	-1,443
OAKLAND AVENUE CONNECTOR	22	2	4	24	18	14	10	+8
TAYLOR STREET CONNECTOR	104	20	1	124	93	0	0	+93
TOTALS	1,035	171	211	1,206	905	2,457	2,247	-1,342

MIXTURE TABLE		
LOCATION	CONSTITUTION TRAIL	CONSTITUTION TRAIL
MIXTURE USE	SURFACE AND LEVEL BINDER	BINDER AND BR APPRO PVMT CONN.
AC/PG	PG 64-22	PG 64-22
RAP % (MAX)	15	30
DESIGN AIR VOIDS	4.0% @ NDES=30	4.0% @ NDES=30
MIX COMP (GRADATION)	IL-9.5L	IL-19.0L
FRICTION AGGREGATE	MIX C	N. A.

UTILITY AGENCIES THAT RECEIVED PLANS		
UTILITY AGENCY	PRE-FINAL PLANS SENT	FINAL PLANS SENT
AMEREN I.P.	NOVEMBER 3, 2008	MARCH 6, 2009
NICOR GAS	NOVEMBER 3, 2008	MARCH 6, 2009
VERIZON NORTH	NOVEMBER 3, 2008	MARCH 6, 2009
COMCAST COMMUNICATIONS	NOVEMBER 3, 2008	MARCH 6, 2009
CITY OF BLOOMINGTON	NOVEMBER 3, 2008	MARCH 6, 2009

CITY OF BLOOMINGTON, ILLINOIS
MFT SECTION 05-00333-00-BT

SUMMARY OF QUANTITIES

DRAWN BY DRR		FILE NO. 24-8173
DATE 01/30/09		BOOK NO. 2752
CHECKED BY PJM		SHEET NO. 2 OF 56

PLY CITY OF BLOOMINGTON, ILLINOIS 05-00333-00-BT Construction Form 609