

# SCHEDULE OF QUANTITIES

EARTHWORK SUMMARY								
STAGE	LOCATION	TOPSOIL EXCAVATION (CU YD)	TOPSOIL PLACEMENT (CU YD)	*ESTIMATED TOPSOIL FURNISH † (CU YD)	**ESTIMATED TOPSOIL FURNISH 6"† (SQ YD)	EARTH EXCAVATION (CU YD)	EMBANKMENT (CU YD)	**ESTIMATED FURNISHED EXCAVATION † (CU YD)
1	FIRST STREET RT.	0	0	0	0	105	80	-5
2	FIRST STREET LT.	261	204	-57	-342	273	544	407
3	FIRST STREET RT.	182	258	76	456	260	542	418
TOTALS		443	462	19	114	638	1166	820

\*TOPSOIL FURNISH = TOPSOIL PLACEMENT - TOPSOIL EXCAVATION (ASSUMES NO SHRINKAGE FACTOR)  
 \*\*FURNISHED EXCAVATION = (EMBANKMENT x 1.25 SHRINKAGE FACTOR) - EARTH EXCAVATION  
 †NEGATIVE VALUES INDICATE THERE IS A SURPLUS OF TOPSOIL OR EARTH MATERIAL.

**NOTES**

- THE INDICATED EARTHWORK VOLUMES ARE ESTIMATES BASED ON THE "AVERAGE END AREA" METHOD OF CALCULATION. EARTHWORK VOLUMES WILL VARY WITH ACTUAL SOIL CONDITIONS ENCOUNTERED DURING CONSTRUCTION. THESE ESTIMATES ARE PROVIDED FOR THE CONVENIENCE OF THE CONTRACTOR ONLY AND SHOULD BE CONSIDERED APPROXIMATE. ACTUAL VOLUMES OF EARTH EXCAVATION AND EMBANKMENT WILL BE PAID FOR IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS.
- THE EMBANKMENT QUANTITIES DO NOT ACCOUNT FOR SHRINKAGE FACTORS. A 25% SHRINKAGE FACTOR HAS BEEN APPLIED TO THE EMBANKMENT TO DETERMINE THE ESTIMATED VOLUME OF FURNISHED EXCAVATION.
- EXCESS EARTH MATERIALS FROM SEWER TRENCHES AND EXCAVATIONS FOR STRUCTURES AND TRAFFIC SIGNAL EQUIPMENT ARE NOT INCLUDED IN THE EARTHWORK CALCULATIONS. EXCESS EARTH MATERIAL SHALL BE DISPOSED OF OFF-SITE BY THE CONTRACTOR. THE COST OF DISPOSING OF EXCESS EARTH MATERIAL WILL NOT BE PAID FOR SEPARATELY AND SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION.
- AN ESTIMATED QUANTITY FOR THE REMOVAL AND DISPOSAL OF UNSUITABLE MATERIALS HAS BEEN INCLUDED IN THE CONTRACT. THE REMOVAL AND DISPOSAL OF UNSUITABLE MATERIALS WILL BE AS DIRECTED BY THE ENGINEER AND WILL BE MEASURED AND PAID FOR AS DESCRIBED IN THE SPECIAL PROVISIONS.

**20201200  
REMOVAL AND DISPOSAL OF  
UNSUITABLE MATERIAL**

LOCATION	CU YD
ASSUMED QUANTITY FOR UNSUITABLE SUBGRADE CONDITIONS	250
TOTAL	250

**25000900  
SEEDING, CLASS 1 (SPECIAL)**

LOCATION	ACRE
FIRST STREET	
STAGE 2 LT.	0.4
STAGE 3 RT.	0.5
TOTAL	0.9

**35101100  
AGGREGATE BASE COURSE, TYPE A 12"**

STATION	TO STATION	SO YD
FIRST STREET		
100+33.0 LT.	108+03.0 LT.	1248.7
100+38.8 RT.	106+02.8 RT.	1245.3
TOTAL		2494

**42300400  
PORTLAND CEMENT CONCRETE  
DRIVEWAY PAVEMENT, 8 INCH**

LOCATION	SO YD
FIRST STREET	
103+04.5 LT. - C.E.	40.7
106+77.4 LT. - C.E.	35.3
TOTAL	76

**42400300  
PORTLAND CEMENT CONCRETE SIDEWALK 6 INCH**

STATION	TO STATION	SO FT
FIRST STREET		
100+35.2 LT.	108+04.0 LT.	6169.4
99+56.8 RT.	99+77.5 RT.	421.2
100+54.1 RT.	100+81.9 RT.	551.4
106+20.8 RT.	107+40.1 RT.	980.2
TOTAL		8123

**42400800  
DETECTABLE WARNINGS**

LOCATION	SO FT
FIRST STREET/WINDSOR ROAD	
100+35.2 LT.	21.0
100+51.4 LT.	21.7
99+56.8 RT.	20.8
99+68.2 RT.	13.0
100+58.9 RT.	23.2
TOTAL	100

**21000300  
GRANULAR EMBANKMENT, SPECIAL**

LOCATION	TON
ASSUMED QUANTITY FOR UNSUITABLE SUBGRADE CONDITIONS	510
TOTAL	510

**XX006444  
MULCH, SPECIAL**

LOCATION	ACRE
FIRST STREET	
STAGE 2 LT.	0.4
STAGE 3 RT.	0.5
TOTAL	0.9

**40200800  
AGGREGATE SURFACE COURSE, TYPE B**

LOCATION	TON
FIRST STREET	
101+44.5 LT. - P.E.	2
102+56.3 LT. - P.E.	2
TOTAL	4

**60604400  
COMBINATION CONCRETE CURB AND GUTTER,  
TYPE B-6.18**

STATION	TO STATION	FOOT
FIRST STREET		
100+33.0 LT.	108+03.0 LT.	772.5
100+44.9 RT.	106+02.8 RT.	575.1
TOTAL		1348

**21001000  
GEOTECHNICAL FABRIC FOR  
GROUND STABILIZATION**

LOCATION	SO YD
ASSUMED QUANTITY FOR UNSUITABLE SUBGRADE CONDITIONS	750
TOTAL	750

**25200100  
SODDING**

LOCATION	SO YD
FIRST STREET	
100+27.5 LT.	11
101+75 LT.	16
102+75 LT.	16
106+00 LT.	16
SE. QUADRANT FIRST ST./WINDSOR RD.	54
101+95 RT.	16
TOTAL	129

**42000301  
PORTLAND CEMENT CONCRETE  
PAVEMENT 8" (JOINTED)**

STATION	TO STATION	SO YD
FIRST STREET		
100+46.8 LT.	108+03.0 LT.	939.9
100+38.8 RT.	105+98.1 RT.	1014.0
TOTAL		1954

**66700095  
PERMANENT SURVEY MARKERS**

LOCATION	EACH
FIRST STREET	
100+71.20 LT.	1
TOTAL	1

**21301072  
EXPLORATION TRENCH 72" DEPTH**

LOCATION	FOOT
AT VARIOUS LOCATIONS AS DIRECTED BY THE ENGINEER TO LOCATE UTILITIES	100
TOTAL	100

**25200200  
SUPPLEMENTAL WATERING**

LOCATION	UNIT
FIRST STREET	
SOD AREAS	2
SEEDING, CLASS 1 (SPECIAL)	41
TOTAL	43

**42001300  
PROTECTIVE COAT**

LOCATION	SO YD
FIRST STREET	
PCC PVT 8 JOINTED	1954
COMB CC&G TB6.18	374
TOTAL	2328

**X0301232  
SURVEY MARKER VAULT**

LOCATION	EACH
FIRST STREET	
100+71.20 LT.	1
TOTAL	1

**25000400, 25000500, 25000600  
FERTILIZER NUTRIENTS  
(NITROGEN, PHOSPHORUS, POTASSIUM)**

LOCATION	POUND
FIRST STREET	
STAGE 2 LT.	36
STAGE 3 RT.	45
TOTAL	81

**28100105  
STONE RIPRAP, CLASS A3**

STATION	TO STATION	SO YD
FIRST STREET		
99+53 RT.	99+63 RT.	16
TOTAL		16

**42300200  
PORTLAND CEMENT CONCRETE  
DRIVEWAY PAVEMENT, 6 INCH**

LOCATION	SO YD
FIRST STREET	
101+44.5 LT. - P.E.	39.8
102+56.3 LT. - P.E.	27.9
TOTAL	68

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 PLOT DATE = 2/6/2009 11:05:39 AM

DESIGNED - R.L.H.	REVISED -
DRAWN - J.L.B.	REVISED -
CHECKED - J.T.P.	REVISED -
DATE - 2-09	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SCALE : NONE SHEET NO. 8 OF 44 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7170	08-00277-00-PV	CHAMPAIGN	44	8

FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT HD-5181 (044)