

**GENERAL NOTES:**

- BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "J.U.L.I.E." AT (800) 892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS UTILITIES. 48 HOUR NOTIFICATION IS REQUIRED.
- THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES, VILLAGE OF ORLAND PARK.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
- DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.
- IT IS ESTIMATED THAT A QUANTITY OF 280 CU YD OF TOPSOIL WILL BE REQUIRED FOR THE FINAL CONDITION. THIS QUANTITY SHALL BE PAID FOR AS "TOPSOIL EXCAVATION AND PLACEMENT" ACCORDING TO ARTICLE 211 OF THE STANDARD SPECIFICATIONS. THE REMAINDER OF EXISTING TOPSOIL SHALL BE REMOVED AND DISPOSED OF ACCORDING TO ARTICLE 202, AND SHALL BE PAID FOR AS "REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL"
- REMOVAL OF CONCRETE HEADWALL FOR PIPE DRAIN SHALL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE UNIT PRICE BID FOR "EARTH EXCAVATION".

**SUMMARY OF QUANTITIES**

CODE NUMBER	PAY ITEM	UNIT	TOTAL QUANTITY
20200100	EARTH EXCAVATION	CU YD	150
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	220
20400800	FURNISHED EXCAVATION	CU YD	312
20800150	TRENCH BACKFILL	CU YD	26
21101505	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	280
25000100	SEEDING, CLASS 1	ACRE	0.6
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	54
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	54
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	54
25100105	MULCH, METHOD 1	ACRE	0.6
28100105	STONE RIPRAP, CLASS A3	SQ YD	12
28200200	FILTER FABRIC	SQ YD	12
35101800	AGGREGATE BASE COURSE, TYPE B 6"	SQ YD	2220
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	249
50200100	STRUCTURE EXCAVATION	CU YD	760
50901760	PIPE HANDRAIL	FOOT	420
54213663	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	EACH	4
55019700	STORM SEWERS, TYPE 1, REINFORCED CONCRETE CULVERT, STORM DRAIN, AND SEWER PIPE, CLASS IV 18"	FOOT	131
55022400	STORM SEWERS, TYPE 2, REINFORCED CONCRETE CULVERT, STORM DRAIN, AND SEWER PIPE, CLASS III 36"	FOOT	4
60100060	CONCRETE HEADWALL FOR PIPE DRAINS	EACH	1
60107700	PIPE UNDERDRAINS 6"	FOOT	42
60602800	CONCRETE GUTTER, TYPE B	FOOT	420
67100100	MOBILIZATION	L SUM	1
70101700	TRAFFIC CONTROL AND PROTECTION	L SUM	1
70400100	TEMPORARY CONCRETE BARRIER	FOOT	12.5
72000100	SIGN PANEL - TYPE 1	SQ FT	50
72900100	METAL POST - TYPE A	FOOT	118.5
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	50
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	200
* X0322923	SEGMENTAL CONCRETE BLOCK WALL	SQ FT	3050
* X0322939	RELOCATE EXISTING FLARED END SECTION	EACH	1
* XX004339	BIKE PATH APPROACH GUARDRAIL ADJUSTMENT	FOOT	400
Z0013798	CONSTRUCTION LAYOUT	L SUM	1

\* SPECIALTY ITEMS

**HIGHWAY STANDARDS**

STANDARD NO.	TITLE
542301-02	PRECAST REINFORCED CONCRETE FLARED END SECTION
601001-03	SUB-SURFACE DRAINS
601101-01	CONCRETE HEADWALL FOR PIPE DRAIN
606201-02	TYPE B GUTTER (INLET, OUTLET & ENTRANCE)
701001-02	OFF-RD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5 m) AWAY
701006-03	OFF-ROAD OPERATIONS, 2L, 2W, 4.5 M (15') TO 600 MM (24") FROM PAVEMENT EDGE
701901-01	TRAFFIC CONTROL DEVICES
704001-06	TEMPORARY CONCRETE BARRIER
720006-02	SIGN PANEL ERECTION DETAILS
720011-01	METAL POSTS FOR SIGNS, MARKERS & DELINEATORS
729001-01	APPLICATIONS OF TYPES A & B METAL POSTS (FOR SIGNS & MARKERS)
780001-02	TYPICAL PAVEMENT MARKINGS

**EARTHWORK SCHEDULE**

LOCATION	TOPSOIL/UNSUITABLE EXCAVATION	TOPSOIL FOR IMPROVEMENT	UNSUITABLE MATERIAL	EARTH EXCAVATION	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE	EMBANKMENT	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)
	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD
<b>TOTAL</b>	500	280	220	150	128	440	-312

**HOT-MIX ASPHALT MIXTURE REQUIREMENTS**

MIXTURE TYPE	AIR VOIDS @ NDES
BIKE PATH	
HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50, 2" (IL-9.5mm)	4% @ 50 Gyr.

NOTE 1: THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURES IS 112 LBS/SQ YD/IN.  
 NOTE 2: THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 70-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS.  
 "FOR PERCENT OF RAP" SEE DISTRICT ONE SPECIAL PROVISIONS.

**McDonough Associates Inc.**  
 Engineers / Architects  
 130 East Randolph Street, Chicago, Illinois 60601

FILE NAME = T:\Dgn\CA00_Sheets\qgn@01.dgn	USER NAME = M1omasze	DESIGNED - MJT	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>104TH AVENUE BICYCLE PATH GENERAL NOTES, HIGHWAY STANDARDS AND SUMMARY OF QUANTITIES</b>		F.A.U. RTE. 2696	SECTION 09-00067-00-BT	COUNTY COOK	TOTAL SHEETS 15	SHEET NO. 2
PLOT SCALE = 1:1	CHECKED - RY	REVISIONS -	SCALE: N.T.S.		SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT		CONTRACT NO. 63434		
PLOT DATE = 12/9/2009	DATE - 12/01/09	REVISIONS -									