CONTRACT NO. 97458

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8979	05-00017-00-PV	MADISON	37	2
STA. N.A.		TO STA. N.A.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SUMMARY OF QUANTITIES

SPECIALTY ITEM	SPECIAL PROVISION	ITEM NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY
	•	20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	24
	•	20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	24
	•	20200100	EARTH EXCAVATION	CU YD	2417
	•	20800150	TRENCH BACKFILL	CU YD	534
		25000200	SEEDING, CLASS 2	ACRE	0.21
		25000400	NITROGEN FERTILIZER NUTRIENT	POUND	19
		25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	19
		25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	19
		25100115	MULCH, METHOD 2	ACRE	0.21
		25100630	EROSION CONTROL BLANKET	SQ YD	1007
		28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	21
		28000305	TEMPORARY DITCH CHECKS	FOOT	6
		28000400	PERIMETER EROSION BARRIER	FOOT	165
		28000500	INLET AND PIPE PROTECTION	EACH	33
		30200650	PROCESSING MODIFIED SOIL 12"	SQ YD	5501
		30201500	LIME	TON	162
		31100700	SUB-BASE GRANULAR MATERIAL, TYPE A 8"	SQ YD	455
		40200700	AGGREGATE SURFACE COURSE, TYPE A 8"	SQ YD	15
		40201000	AGGREGATE FOR TEMPORARY ACCESS	TON	700
		40603315	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N70	TON	74
	•	42000201	PORTLAND CEMENT CONCRETE PAVEMENT 7" (JOINTED)	SQ YD	4693
		42001200	PAVEMENT FABRIC	SQ YD	371
		42001300	PROTECTIVE COAT	SQ YD	5501
		42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SQ YD	367
		42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SQ YD	226
		42400100	PORTLAND CEMENT CONCRETE SIDEWALK, 4 INCH	SQ FT	8534
		42400800	DETECTABLE WARNINGS	SQ FT	128
		44000100	PAVEMENT REMOVAL	SQ YD	70
		44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	436
		44000300	CURB REMOVAL	FOOT	124
		44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	5
		44000600	SIDEWALK REMOVAL	SQ FT	766
		44200084	PAVEMENT PATCHING, TYPE III, 7 INCH	SQ YD	15
		44200086	PAVEMENT PATCHING, TYPE IV, 7 INCH	SQ YD	57
	•	50105220	PIPE CULVERT REMOVAL	FOOT	306
		550B0050	STORM SEWERS, CLASS B, TYPE 1 12"	FOOT	560
		550B0070	STORM SEWERS, CLASS B, TYPE 1 15"	FOOT	70
		550B0120	STORM SEWERS, CLASS B, TYPE 1 24"	FOOT	518
		550B0410	STORM SEWERS, CLASS B, TYPE 2 24"	FOOT	128
		55100500	STORM SEWER REMOVAL 12"	FOOT	88
		55100900	STORM SEWER REMOVAL 18"	FOOT	10
		55101200	STORM SEWER REMOVAL 24"	FOOT	501
		60219000	MANHOLES, TYPE A, 4'•DIAMETER, TYPE 8 GRATE	EACH	4
		60219540	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	EACH	2
		60219570	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 3V FRAME AND GRATE	EACH	1
		60222270	MANHOLES, TYPE A, 5'•DIAMETER, TYPE 3V FRAME AND GRATE	EACH	1
		60236200	INLETS, TYPE A, TYPE 8 GRATE	EACH	5
		60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	EACH	7
		60240301	INLETS, TYPE B, TYPE 8 GRATE	EACH	1
		60240328	INLETS, TYPE B, TYPE 24 FRAME AND GRATE	EACH	8
		60255500	MANHOLES TO BE ADJUSTED	EACH	3
		60500060	REMOVING INLETS	EACH	5
		60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	2796
	•	67100100	MOBILIZATION	L SUM	1
		70300100	SHORT-TERM PAVEMENT MARKING	FOOT	121
		70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	2629
		70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	849
		70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	146
		70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	1487
		72000100	SIGN PANEL - TYPE 1	SQ FT	70
		72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	147
Δ		78008210	POLYUREA PAVEMENT MARKING TYPE I - LINE 4"	FOOT	2629
Δ		78008230	POLYUREA PAVEMENT MARKING TYPE I - LINE 6"	FOOT	849
Δ		78008250	POLYUREA PAVEMENT MARKING TYPE I - LINE 12"	FOOT	146
	•	Z0013798	CONSTRUCTION LAYOUT	L SUM	1
	•	Z0017400	DRAINAGE AND UTILITY STRUCTURES TO BE ADJUSTED	EACH	13
	•	Z0022800	FENCE REMOVAL	FOOT	16
	•	Z0056608	STORM SEWER (WATER MAIN REQUIREMENTS) 12 INCH	FOOT	533
	•	Z0056616	STORM SEWER (WATER MAIN REQUIREMENTS) 24 INCH	FOOT	252
	•	X6020074	INLETS, TYPE A, TYPE 3V FRAME AND GRATE	EACH	2
	•	X6020075	INLETS, TYPE B, TYPE 3V FRAME AND GRATE	EACH	2
	•	X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1

GENERAL NOTES

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING UTILITY PROPERTY FROM CONSTRUCTION OPERATIONS AS OUTLINED IN ARTICLE 107.31 OF THE STANDARD SPECIFICATION. THE J.U.L.I.E. NUMBER IS 1-800-892-0123.

   THE LOCATION OF ALL UTILITIES ARE BASED ON INFORMATION PROVIDED BY OTHERS AND ARE INTENDED TO BE APPROXIMATE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE HIS CONSTRUCTION ACTIVITIES WITH THE VARIOUS UTILITY OWNERS. ALL POTENTIAL CONFLICTS SHALL BE INVESTIGATED AND REMEDIAL ACTION TAKEN PRIOR TO INTERRUPTION OF THE CONTRACTOR'S PROGRESS.

   ALL UTILITY FACILITIES THAT REQUIRE RELOCATION WITHIN CITY R.O.W. SHALL BE COMPLETED BY THE UTILITY COMPANY UNLESS OTHERWISE SHOWN ON THE PLANS.

2. IN ADDITION TO FIELD SURVEYS, PLAN DIMENSIONS AND DETAILS RELATIVE TO EXISTING FACILITIES HAVE BEEN TAKEN FROM EXISTING PLANS AND ARE SUBJECT TO CONSTRUCTION VARIATIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY SUCH DIMENSIONS AND DETAILS IN THE FIELD. SUCH VARIATIONS SHALL NOT BE CAUSE FOR ADDITIONAL COMPENSATION DUE TO A CHANGE IN THE SCOPE OF WORK. HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED AT THE UNIT PRICE BID FOR THE WORK.

3. ALL STATION AND OFFSET REFERENCES ARE TO THE ROADWAY CENTERLINE UNLESS OTHERWISE NOTED. THE STATE PLANE COORDINATE SYSTEM HAS BEEN USED FOR THE HORIZONTAL CONTROL.

4. ALL ELEVATIONS SHOWN ON THE PLANS ARE BASED ON U.S.G.S. MEAN SEA LEVEL DATUM.

5. THE ENGINEER SHALL BE THE SOLE JUDGE CONCERNING CURING TIME FOR THE VARIOUS BITUMINOUS LIFTS.

6. GRADING SHALL BE DONE BY HAND AROUND LIGHT POLES, UTILITY POLES, SIGN POSTS, SHRUBS, TREES OR OTHER NATURAL OR MAN-MADE OBJECTS WHERE SHALLOW FILLS OR CUTS ARE ADJACENT TO THE ITEMS. IT IS THE INTENT THAT THE LIMITS OF CONSTRUCTION BE SUCH AS TO PRESERVE IN THE ORIGINAL STATE AS MUCH AREA OF TEMPORARY EASEMENTS AS POSSIBLE. THE DECISION AS TO ITEMS TO REMAIN IN PLACE SHALL BE DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE CONTRACT UNIT PRICE PER CUBIC YARD FOR EARTH EXCAVATION, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

7. SEEDING SHALL BE DONE ON ALL AREAS THAT ARE DISTURBED BY CONSTRUCTION OPERATIONS AS DIRECTED BY THE ENGINEER. SEEDING SHALL BE PAID FOR ONLY WITHIN THE PROPOSED RIGHT-OF-WAY OR EASEMENT LIMITS. ALL AREAS DISTURBED BY THE CONTRACTOR OUTSIDE THE PROPOSED CONSTRUCTION LIMITS SHALL BE SEEDED, AS DIRECTED BY THE ENGINEER, AT THE CONTRACTOR'S EXPENSE.

8. FACTORS USED FOR ESTIMATING PLAN QUANTITIES ARE AS FOLLOWS AND SHALL NOT BE USED FOR THE BASIS OF FINAL QUANTITIES:

HOT-MIX ASPHALT BASE COURSE	112 LBS./SQ. YD.-IN.
HOT-MIX ASPHALT BINDER COURSE	112 LBS./SQ. YD.-IN.
HOT-MIX ASPHALT SURFACE COURSE	112 LBS./SQ. YD.-IN.
LIME	6.0% (59 LBS OF LIME/ SQ. YD. OF SUBGRADE)
SOIL (DRY DENSITY)	110 LBS./CU. FT.
ALL AGGREGATE	2.05 TONS/CU. YD.
BITUMINOUS MATERIALS:	
- ON PAVEMENT	0.1 GAL/SQ. YD.
- ON AGGREGATE SURFACE	0.5 GAL/SQ. YD.
RIPRAP	1.50 TONS/CU. YD.
SEEDING FERTILIZER RATIO (NITROGEN:PHOSPHOROUS:POTASH)	90:90:90 LBS./AC.
MULCH	2.00 TONS/AC.
TEMPORARY EROSION CONTROL SEEDING	100 LBS./ACRE

9. ACCESS TO ALL PROPERTIES SHALL BE MAINTAINED AT ALL TIMES. AN ESTIMATED QUANTITY OF 700 TONS OF AGGREGATE FOR TEMPORARY ACCESS HAS BEEN INCLUDED IN THE PLANS FOR THIS WORK. THE QUANTITY SHALL BE USED AS DIRECTED BY THE ENGINEER FOR MAINTAINING ACCESS.

10. FOR STABILIZATION, ALL TYPE III BARRICADES SHALL REQUIRE A MINIMUM OF FOUR SAND BAGS PER BARRICADE.

11. STORM SEWER (WATER MAIN REQUIREMENTS) IS TO BE USED AT LOCATIONS WHERE LATERAL SEPARATION BETWEEN THE SEWER AND WATER MAIN IS LESS THAN 10 FT. AND THE WATER MAIN INVERT IS LESS THAN 1.5 FT. ABOVE THE STORM SEWER CROWN.

12. STORM SEWER (WATER MAIN REQUIREMENTS) IS TO BE USED AT LOCATIONS WHERE THE WATER MAIN CROSSES BELOW THE SEWER, REGARDLESS OF VERTICAL SEPARATION OR WHERE THE BOTTOM OF THE WATER MAIN IS LESS THAN 1.5 FT. ABOVE THE TOP OF THE SEWER.

13. TRENCH BACKFILL REQUIRED FOR STORM SEWER SHALL ONLY BE PLACED UP TO ONE FOOT BELOW THE FINAL GRADE IN AREAS HAVING A PROPOSED GRASS OR SOD SURFACE.

14. ONLY THOSE TREES LISTED IN THE TREE REMOVAL SCHEDULE AND SHOWN IN THE REMOVAL PLAN SHALL BE REMOVED. THE CONTRACTOR SHALL PROTECT ALL REMAINING TREES, PLANTS, AND WETLANDS FROM DAMAGE. ALL TREES AND STUMPS INDICATED ON THE PLANS FOR REMOVAL SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR.

15. IF ASH TREES ARE REMOVED ON THE PROJECT, THE CONTRACTOR SHALL BECOME FAMILIAR WITH AND COMPLY WITH MEASURES SPECIFIED BY THE ILLINOIS DEPARTMENT OF AGRICULTURE (IDOA) TO PREVENT THE SPREAD OF THE EMERALD ASH BORER. THE IDOA INFORMATION FOR ASH TREE REMOVAL CAN BE FOUND ON THE IDOA WEBSITE AT WWW.AGR.STATE.IL.US/EAB.

16. ALL OPENINGS IN PRECAST STRUCTURES SHALL BE PRECAST TO THE PROPER SIZE. COSTS FOR THESE OPENINGS AND THE CONNECTIONS SHALL BE CONSIDERED INCLUDED IN THE VARIOUS PAY ITEM FOR THE STRUCTURES INVOLVED.

17. MODIFICATIONS REQUIRED TO EXISTING INLETS OR MANHOLES IN ORDER TO CONNECT PROPOSED STORM SEWER PIPE SHALL BE CONSIDERED INCLUDED IN THE COST OF THE PROPOSED STORM SEWER.

18. THE COST OF SEALING THE JOINT BETWEEN PROPOSED STORM SEWER AND EXISTING STRUCTURES SHALL BE INCLUDED IN THE COST OF THE PROPOSED STORM SEWER.

19. THE CONTRACTOR SHALL OBSERVE ALL CONDITIONS OF ARTICLE 105.08 OF THE STANDARD SPECIFICATIONS IN THE CASE WHEN OTHER CONSTRUCTION WILL BE OCCURRING SIMULTANEOUSLY AND IN CLOSE PROXIMITY WITH THIS PROJECT. THE CONTRACTOR SHALL BE AWARE THAT DUE TO UNFORESEEN CIRCUMSTANCES A REVISION IN THE SUGGESTED SEQUENCE OF CONSTRUCTION MAY BE REQUIRED AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR ANY COSTS INCURRED.

20. THE CONTRACTOR SHALL BE REQUIRED TO COMPLY WITH THE PROVISIONS OF THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) STORM WATER PERMIT AND IMPLEMENT THE EROSION CONTROL PLAN INCLUDED IN THESE PLANS AND SPECIFIED HEREIN. AS SPECIFIED IN ARTICLE 107.23, THE ENGINEER MUST GIVE PRIOR APPROVAL BEFORE DISTURBANCE OF ANY AREA CAN BEGIN.

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

GENERAL NOTES AND SUMMARY OF QUANTITIES

SCALE: N.A. DRAWN BY RJM, AJK

DATE 1/27/2011 CHECKED BY JWB

PLOT DATE = 1/27/2011
FILE NAME = L:\BETHALTO\05460003\Dgn\Sheets\Phase 1\002_SUMQUANT.dgn
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