

PLAN NOTES

SUMMARY OF QUANTITIES				CMAQ	SPTS	
SPECIALTY ITEM	CODE NO.	PAY ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE	
					SFTY-1B SFTY-1B	
	20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	252	125	127
	20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	324	56	268
	20100600	HEDGE REMOVAL	UNIT	153	40	113
	20101200	TREE ROOT PRUNING	EACH	20	10	10
	20200100	EARTH EXCAVATION	CU YD	3100	950	2150
	20800150	TRENCH BACKFILL	CU YD	35	-	35
	20900310	POROUS GRANULAR BACKFILL	TON	120	50	70
	21101610	TOPSOIL FURNISH AND PLACE, 3"	SQ YD	8491	2678	5813
	21400100	GRADING AND SHAPING DITCHES	FOOT	500	250	250
	25000100	SEEDING, CLASS 1	ACRE	1.75	0.55	1.2
	25100125	MULCH, METHOD 3	ACRE	1.75	0.55	1.2
	25200200	SUPPLEMENTAL WATERING	UNIT	20	7	13
	31101100	SUB-BASE GRANULAR MATERIAL, TYPE B	CU YD	65	22	43
	35101400	AGGREGATE BASE COURSE, TYPE B	TON	454	136	318
	40300200	BITUMINOUS MATERIALS (PRIME COAT)	TON	0.53	0.16	0.37
	40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	38	10	28
	40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	25	7	18
	42001300	PROTECTIVE COAT	SQ YD	9024	3170	5854
	42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SQ YD	395	45	350
	42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	64,782	23722	41060
	42400300	PORTLAND CEMENT CONCRETE SIDEWALK 6 INCH	SQ FT	11,451	3420	8031
	42400800	DETECTABLE WARNINGS	SQ FT	1300	510	790
	44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ YD	374	135	239
	44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	1950	550	1400
	44000300	CURB REMOVAL	FOOT	510	190	320
	44000600	SIDEWALK REMOVAL	SQ FT	1115	15	1100
	44002500	GUTTER OUTLET REMOVAL	EACH	1	-	1
	44004400	PAVEMENT REMOVAL (SPECIAL)	SQ YD	9	-	9
	44201717	CLASS D PATCHES, TYPE II, 6 INCH	SQ YD	20	10	10
	48101200	AGGREGATE SHOULDERS, TYPE B	TON	100	50	50
	50105200	REMOVE EXISTING CULVERTS	EACH	39	13	26
	54200217	PIPE CULVERTS, CLASS C, TYPE 1, 12"	FOOT	2500	1050	1450
	54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS, 12"	EACH	2	1	1
	54213867	STEEL END SECTIONS 12"	EACH	110	50	60
	55019500	STORM SEWERS, TYPE 1, REINFORCED CONCRETE CULVERT, STORM DRAIN, AND SEWER PIPE, CLASS IV, 12"	FOOT	160	40	120
	56500600	DOMESTIC WATER SERVICE BOXES TO BE ADJUSTED	EACH	31	6	25
	60107600	PIPE UNDERDRAINS 4"	FOOT	1025	550	475
	60236200	INLETS, TYPE A, TYPE 8 GRATE	EACH	8	3	5
	60240210	INLETS, TYPE B, TYPE 1 FRAME, OPEN LID	EACH	2	1	1
	60240215	INLETS, TYPE B, TYPE 1 FRAME, CLOSED LID	EACH	18	10	8
	60240301	INLETS, TYPE B, TYPE 8 GRATE	EACH	6	3	3
	60255500	MANHOLES TO BE ADJUSTED	EACH	27	8	19
	60266600	VALVE BOXES TO BE ADJUSTED	EACH	10	3	7
	60406100	FRAMES AND LIDS, TYPE 1, CLOSED LID	EACH	4	1	3
	60500040	REMOVING MANHOLES	EACH	10	3	7
	60600095	CLASS SI CONCRETE (OUTLET)	CU YD	7	3	4
	60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-5.12	FOOT	2500	700	1800
	63000001	STEEL PLATE BEAM GUARD RAIL, TYPE A, 6 FOOT POSTS	FOOT	80	40	40
	63100167	TRAFFIC BARRIER TERMINAL, TYPE 1, (SPECIAL) TANGENT	EACH	4	2	2
	63200310	GUARDRAIL REMOVAL	FOOT	80	40	40
	67100100	MOBILIZATION	L SUM	1	0.50	0.50
	70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	0.50	0.50
	72400500	RELOCATE SIGN PANEL ASSEMBLY- TYPE A	EACH	25	7	18
	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	6500	1700	4800
	78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	4070	800	3270
	78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	776	50	726
	78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	725	225	500
	Z0000940	AGGREGATE FOR DRIVEWAY MAINTENANCE	TON	40	20	20
	Z0018900	DRILL AND GROUT DOWEL BARS	EACH	95	35	60
	Z0022800	FENCE REMOVAL	FOOT	545	435	110
	Z0055900	RUSTIC WOOD POST AND RAIL FENCE	FOOT	270	100	170
	Z0062300	SAWING ASPHALT SURFACE	FOOT	4600	1300	3300
	XX000856	MAILBOX REMOVAL AND RELOCATION	EACH	25	1	24
	XX001621	BRICK PAVER REMOVAL	SQ FT	36	36	-
	XX006806	HOT-MIX ASPHALT DRIVEWAY PAVEMENT	SQ YD	650	200	450
	X0322256	TEMPORARY INFORMATIONAL SIGNING	SQ FT	100	50	50
	X0322923	SEGMENTAL CONCRETE BLOCK WALL	SQ FT	2200	1100	1100
	X0322924	RETAINING WALL REMOVAL	SQ FT	340		340

- ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE STATE OF ILLINOIS "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, ADOPTED JANUARY 1, 2007, AND THE "STANDARD SPECIFICATIONS FOR TRAFFIC CONTROL ITEMS", ADOPTED ON JANUARY 1, 2009, THE DETAILS IN THESE PLANS AND THE CONTRACT DOCUMENTS.
- THE ELEVATIONS SHOWN ON THESE PLANS ARE U.S.G.S. DATUM.
- THE CONTRACTOR'S ATTENTION IS CALLED TO THE FACT THAT SOME QUANTITIES ARE GIVEN IN BOTH SUMMARY FORM AND ON THE PLAN SHEETS. CARE SHOULD, THEREFORE, BE TAKEN TO AVOID DUPLICATION OF QUANTITIES.
- THE CONTRACTOR SHALL NOTIFY JULIE (811) FOR UTILITY LOCATIONS AT LEAST 48 HOURS PRIOR TO CONSTRUCTION.
- DURING CONSTRUCTION OPERATIONS, ANY LOOSE MATERIALS BLOCKING DITCH LINES, STORM SEWERS, MANHOLES, ETC., SHALL BE REMOVED AT THE END OF EACH DAY. MAINTENANCE OF DRAINAGE WAYS AND STRUCTURES SHALL BE INCLUDED IN THE COST OF PIPE CULVERTS.
- ALL SUITABLE EXCAVATED MATERIALS FROM SEWER TRENCHES, ENTRANCES OR OTHER NECESSARY EXCAVATIONS SHALL BE USED IN THE CONSTRUCTION OF THE ROADWAY. PLACEMENT AND COMPACTION OF THIS MATERIAL SHALL BE IN ACCORDANCE WITH SECTION 202 EARTH EXCAVATION.
- EXISTING SUMP PUMPS, FIELD TILES, ETC., DISCHARGING INTO EXISTING STORM SEWERS SHALL BE PROTECTED.
- ALL SOD OR OTHER UNSUITABLE MATERIALS SHALL BE REMOVED FROM EXISTING SURFACES BEFORE PLACING AGGREGATE MATERIALS.
- THE LOCATION AND/OR ELEVATIONS OF THE EXISTING UNDERGROUND UTILITIES, SUCH AS WATER MAINS, SEWERS, GAS, TELEPHONES AND POWER ARE SHOWN ON THE PLANS BASED ON THE BEST INFORMATION AVAILABLE AND ARE GIVEN FOR THE CONVENIENCE OF THE CONTRACTOR. THE CONTRACTOR MUST ASSUME RESPONSIBILITY FOR ALL UTILITIES, WHETHER SHOWN OR NOT, AND MUST REALIZE THAT THE ACTUAL LOCATIONS AND/OR ELEVATIONS OF THE UTILITIES SHOWN MAY BE DIFFERENT THAN INDICATED. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION OPERATIONS WITH THE UTILITY COMPANIES SO THAT ANY RELOCATION NECESSARY WILL PROCEED IN AN ORDERLY MANNER.
- FRAME ELEVATIONS SHOWN ON THE PLAN ARE APPROXIMATE ONLY AND SHALL BE ADJUSTED TO FINAL GRADE AT THE TIME OF CONSTRUCTION. NO ADDITIONAL COMPENSATION WILL BE ALLOWED WITHIN 6 INCHES OF PLAN ELEVATION.
- HANDICAP RAMPS SHALL BE PROVIDED AT ALL INTERSECTIONS. SIDEWALK SHALL BE 5 INCHES THICK EXCEPT WHERE IT CROSSES A DRIVE, WHERE IT SHALL BE 6 INCHES THICK.
- PROTECTIVE COAT SHALL BE APPLIED TO ALL GUTTER FLAGS, FACE AND TOP OF CURB AND GUTTER, P.C.C. SIDEWALK AND P.C.C. SIDEWALK.
- PIPES TO BE ABANDONED SHALL BE PLUGGED AND BULKHEADED AS DIRECTED BY THE ENGINEER AT EACH END. COST OF BULKHEADING SHALL BE INCLUDED IN THE PRICE OF STORM SEWER INSTALLATION.
- ANY EXISTING DECORATIVE LANDSCAPING WITHIN THE RIGHT-OF-WAY THAT INTERFERES WITH THE WORK, SUCH AS RETAINING WALL TIMBERS, RAILROAD TIES, ORNAMENTAL ROCKS, FENCES, DECORATIVE WALKS, PLANTERS AND BUSHES SHALL BE REMOVED AND SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION.
- AGGREGATE FOR AGGREGATE BASE COURSE, AGGREGATE SHOULDERS, AGGREGATE FOR DRIVEWAY MAINTENANCE AND SUB BASE GRANULAR MATERIAL SHALL BE CA-6, CRUSHED STONE OR GRAVEL.
- THE PAY ITEM FOR DRIVEWAY REMOVAL SHALL INCLUDE BOTH CONCRETE AND HMA DRIVEWAYS. HMA DRIVEWAY PAVEMENT SHALL BE PAID FOR AT THE UNIT PRICE PER SQUARE YARD OF HOT-MIX ASPHALT DRIVEWAY PAVEMENT. MATERIAL THICKNESS FOR DRIVEWAYS SHALL BE 3 INCHES.
- SIDEWALK AND CURB REMOVAL SHALL INCLUDE SAW CUTTING WHERE NECESSARY.
- REMOVAL OF EXISTING END SECTIONS AND DELIVERY OF ANY SALVAGED MATERIALS REQUESTED BY THE OWNER SHALL BE INCLUDED IN THE COST OF REMOVE EXISTING CULVERTS.
- PIPE CULVERTS SHALL CONFORM TO SECTION 542 OF THE STANDARD SPECIFICATIONS. MATERIALS SHALL BE CORRUGATED STEEL CULVERT PIPE AND INCLUDE ALL NECESSARY COUPLING RINGS, ETC.
- THE PAY ITEM FOR DOMESTIC WATER SERVICE BOXES TO BE ADJUSTED SHALL INCLUDE BOTH WATER AND GAS SERVICES.
- ADJUSTMENT OF MANHOLES AND VALVE VAULTS SHALL BE MADE WITH PRECAST CONCRETE ADJUSTMENT RINGS AND SEALED WITH A BUTYL BASED ROPE GASKET.
- THE CONTRACTOR SHALL MAINTAIN INGRESS AND EGRESS TO ALL ABUTTING DRIVEWAYS ALONG THE ROUTE. FOR NEW CURB, THE VOID IN FRONT AND BACK WILL BE FILLED WITH AGGREGATE FOR DRIVEWAY MAINTENANCE IMMEDIATELY AFTER THE CURB HAS CURED. AGGREGATE USED FOR ACCESS TO DRIVES SHALL BE RE-USED AS PART OF THE DRIVEWAY SHAPING AND GRADING. PAYMENTS SHALL BE AT THE UNIT PRICE PER TON AND INCLUDE SCARIFYING, GRADING, RE-HANDLING OF THE MATERIAL, COMPACTING, FURNISHING, INSTALLING AND REMOVING OF MATERIALS FOR AGGREGATE FOR DRIVEWAY MAINTENANCE.
- STORM SEWER INSTALLATION SHALL BE IN ACCORDANCE WITH SECTIONS 550 AND 551 OF THE STANDARD SPECIFICATIONS WITH THE FOLLOWING EXCEPTIONS: BEDDING MATERIALS SHALL BE PLACED FROM A POINT 4 INCHES BELOW THE PIPE TO AT LEAST THE SPRINGLINE OF THE PIPE. PIPE MATERIAL SHALL BE REINFORCED CONCRETE PIPE, ASTM C-76 WITH ASTM C-443 JOINTS.
- EXISTING PUBLIC AND PRIVATE UTILITIES ARE SHOWN ON THE PLANS ACCORDING TO INFORMATION OBTAINED FROM UTILITY COMPANIES, MUNICIPALITIES, AND SURVEYS. THE CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE LOCATION OF ALL UTILITIES AND STRUCTURES THAT MAY BE FOUND IN THE VICINITY OF THE CONSTRUCTION AND ASSUME RESPONSIBILITY FOR ALL UTILITIES WHETHER SHOWN OR NOT, AND MUST REALIZE THAT THE ACTUAL LOCATIONS AND/OR ELEVATIONS OF THE UTILITIES MAY BE DIFFERENT THAN INDICATED. SHOULD ANY DAMAGES OCCUR DUE TO THE CONTRACTOR'S NEGLIGENCE, REPAIRS SHALL BE MADE BY THE CONTRACTOR AT HIS OWN EXPENSE. THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES OF HIS CONSTRUCTION SCHEDULE AND COORDINATE CONSTRUCTION OPERATIONS WITH THE UTILITY COMPANIES SO THAT RELOCATION OF UTILITY LINES AND STRUCTURES MAY PROCEED IN AN ORDERLY MANNER.

25. EXISTING SIGNS THAT REQUIRE RELOCATION DUE TO THE DAMAGED ROADWAY ALIGNMENT SHALL BE REMOVED AND RELOCATED TO THE LOCATION DESIGNATED BY THE ENGINEER. RELOCATION SHALL BE PAID FOR EACH LOCATION AND INCLUDE ALL LABOR, MATERIALS AND EQUIPMENT TO BE COMPLETE AND IN-PLACE. SIGNS THAT INTERFERE WITH UNDERGROUND UTILITY INSTALLATION THAT REQUIRE REMOVAL/ REPLACEMENT SHALL NOT BE PAID FOR SEPARATELY BUT INCLUDED IN THE COST OF THE PIPE INSTALLATION PRICE. SIGN REPLACEMENT, WHETHER IT IS A PAY ITEM OR NOT, SHALL OCCUR AS SOON AS PRACTICAL AND AT THE DIRECTION OF THE ENGINEER. PAYMENT SHALL BE AT THE UNIT PRICE PER ITEM OF RELOCATION OF SIGN PANEL ASSEMBLY, TYPE A.

- TREE REMOVAL SHALL BE MEASURED IN UNITS-DIAMETER. UNITS FOR THE PAY ITEM SHALL BE MEASURES BY THE INCH.
- CLASS SI CONCRETE (OUTLETS) SHALL BE IN ACCORDANCE WITH HIGHWAY STANDARDS 606006 WITH THE FOLLOWING EXCEPTION. THE OUTLET SHALL BE MODIFIED FOR A COMBINATION CONCRETE CURB AND GUTTER TYPE B-6.12 SECTION.
- PIPE UNDERDRAINS ADJACENT TO MASONRY RETAINING WALL SHALL BE INSTALLED AS FOLLOWS:
A.) BACKFILL SHALL CONSIST OF CA-16 AND SHALL BE INCLUDED IN THE PRICE FOR THE UNDERDRAINS.
B.) PIPE MATERIAL SHALL BE PERFORATED PVC, AASHTO M278 OR PERFORATED CORRUGATED PVC WITH A SMOOTH INTERIOR ASTM F949, SIZE AS SHOWN ON THE DRAWINGS.
C.) PIPE JOINTS SHALL BE GASKET OR "O-RING" TYPE.
D.) FABRIC ENVELOPE FOR PIPE UNDERDRAIN SHALL BE PROVIDED AND COMPLY WITH ARTICLE 1080.01A FOR NONWOVEN, NEEDLE PUNCH FABRIC. THE COST OF THE FABRIC ENVELOPE SHALL BE INCLUDED IN THE UNIT PRICE PER FOOT OF PIPE UNDERDRAINS, 4".
- SIDEWALKS SHALL BE CONSTRUCTED ACCORDING TO SECTION 424 OF THE STANDARD SPECIFICATIONS WITH THE FOLLOWING EXCEPTIONS. THE PLANS ARE ILLUSTRATIVE ONLY TO PROVIDE THE CONTRACTOR WITH THE SCOPE AND ESTIMATE OF WORK REQUIRED. FINAL LOCATION OF THE SIDEWALKS SHALL BE STAKED IN THE FIELD AND WILL BE SUBJECT MINOR TO DEVIATION AS DETERMINED BY ENGINEER. NO ADDITIONAL COMPENSATION WILL BE PERMITTED DUE TO MINOR REALIGNMENT OF THE SIDEWALK. EXPANSION JOINTS SHALL BE INSTALLED EVERY 50 FEET WITH PERFORMED JOINT FILLER IN ACCORDANCE WITH SECTION 424 OF THE STANDARD SPECIFICATIONS. EXCAVATION TO SUBGRADE SHALL BE PAID FOR AS EARTH EXCAVATION OR SIDEWALK REMOVAL. AGGREGATE MATERIALS SHALL BE PAID FOR AS SUBBASE GRANULAR MATERIALS, TYPE A. SIDEWALK SHALL BE PAID FOR AT THE UNIT PRICE PER SQUARE FOOT FOR P.C.C. SIDEWALK, 5", 6".
- THERE ARE U.S. POSTAL SERVICE MAILBOXES WHICH WILL REQUIRE REMOVAL, TEMPORARY PLACEMENT FOR CONTINUED OPERATION, AND RESETTING TO THERE NEW LOCATION. PRIOR TO MOVING ANY MAILBOXES, THE CONTRACTOR MUST FIRST CHECK WITH THE LOCAL POST OFFICE TO DETERMINE ANY AND ALL CONDITIONS REQUIRED FOR MOVING SAID MAILBOXES. IF ANY POST OR MAILBOXES ARE BROKEN DURING RELOCATION, THE CONTRACTOR WILL REPLACE THE DAMAGED MATERIALS IN KIND AND AT NO COST TO THE CONTRACT. ALL REPLACEMENT MATERIALS SHALL MEET THE APPROVAL OF THE ENGINEER AND POST OFFICE. PERMANENT RELOCATION OF THE MAILBOXES SHALL TAKE PLACE AS SOON AS POSSIBLE AFTER COMPLETION OF THE ROADWAY WIDENING, AND BE SET IN A MANNER SO APPROVED BY THE POST OFFICE AND ENGINEER. AS PER ARTICLE 107.20 OF THE STANDARD SPECIFICATIONS PAYMENT FOR MAIL BOX REMOVAL AND RELOCATION WILL BE PAID AT THE UNIT PRICE PROVIDED.
- ANY EXISTING SUMP PUMP/DOWNSPOUT DRAINS THAT DISCHARGE UNDER THE PROPOSED SIDEWALK SHALL BE CONNECTED AND EXTENDED BEYOND THE SIDEWALK AND HAVE AN OPEN DISCHARGE. PAYMENT SHALL BE AT THE UNIT PRICE PER FOOT OF PIPE UNDERDRAIN, 4".

HIGHWAY STANDARDS

000001-05	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
424001-05	CURB RAMPS FOR SIDEWALKS
606001-04	CONCRETE CURB AND COMBINATION CONCRETE CURB AND GUTTER
701301-03	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701501-05	URBAN LANE CLOSURE, 2L, 2W UNDIVIDED
701901-01	TRAFFIC CONTROL DEVICES
780001-02	TYPICAL PAVEMENT MARKINGS
542301-02	PRECAST REINFORCED CONCRETE FLARED END SECTION
542401-01	METAL END SECTIONS FOR PIPE CULVERTS
602306-02	INLET, TYPE B
602301-02	INLET, TYPE A
604001-03	FRAME AND LIDS, TYPE 1
604036-02	GRATE, TYPE B
442201-03	CLASS C AND D PATCHES
606006-02	OUTLET FOR CONCRETE CURB AND GUTTER TYPE B-15.60 (B-6.24)