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I.D.O.T. STANDARD DRAWINGS

STANDARD NO.	TITLE OR DESCRIPTION
000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
424001-06	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424006	DIAGONAL CURB RAMPS FOR SIDEWALKS
424011	CORNER PARALLEL CURB RAMPS FOR SIDEWALKS
424016	MID BLOCK CURB RAMPS FOR SIDEWALKS
424021	DEPRESSED CORNER FOR SIDEWALKS
442201-03	CLASS C&D PATCHES
604001-03	FRAMES AND LIDS, TYPE 1
701501-06	URBAN LANE CLOSURE, 2-LANE, 2-WAY, UNDIVIDED
701801-05	LANE CLOSURE, MULTILANE, 1W OR 2W CROSSWALK OR SIDEWALK CLOSURE
701901-02	TRAFFIC CONTROL DEVICES
780001-03	TYPICAL PAVEMENT MARKINGS

LEGEND OF SYMBOLS

EXISTING	PROPOSED	DESCRIPTION
		MANHOLE
		INLET
		CATCH BASIN
		FIRE HYDRANT
		WATER MAIN VALVE VAULT
		POWER POLE
		STREET LIGHT
		RIM ELEVATION INVERT ELEVATION
	A	STRUCTURE TO BE ADJUSTED
	A*	STRUCTURE TO BE ADJUSTED (SPECIAL)
	1C	TYPE 1 FRAME AND CLOSED LID
	1P	TYPE 1 FRAME AND OPEN LID
	RC	STRUCTURE TO BE RECONSTRUCTED

STANDARDS

REFERENCES TO STANDARDS IN THE PLANS AND SPECIAL PROVISIONS SHALL BE THE LATEST STANDARD OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION AS SHOWN ON THE INDEX OF SHEETS. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" ADOPTED JANUARY 1, 2012, THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS" ADOPTED JANUARY 1, 2012, THE LATEST EDITION OF THE "ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS", "THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS" JULY 2009 SIXTH EDITION, THE DETAILS IN THE PLANS, AND THE SPECIAL PROVISIONS.

UNDERGROUND UTILITIES

BEFORE STARTING EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT 811 FOR FIELD LOCATIONS OF BURIED ELECTRICAL, TELEPHONE AND GAS FACILITIES (48 HOURS NOTIFICATION IS REQUIRED).

THE LOCATIONS OF THE UNDERGROUND UTILITIES, IF SHOWN ON THE PLANS, HAVE BEEN OBTAINED BY FIELD SURVEYS AND SEARCHES OF AVAILABLE RECORDS. IT IS BELIEVED THAT DATA IS ESSENTIALLY CORRECT, BUT THE VILLAGE OF RIVER FOREST, THE ILLINOIS DEPARTMENT OF TRANSPORTATION AND/OR OTHER OFFICES AND AGENCIES ASSOCIATED WITH THE DEVELOPMENT OF THESE PLANS DO NOT GUARANTEE THEIR ACCURACY OR COMPLETENESS. THE CONTRACTOR WILL BE REQUIRED TO VERIFY THE LOCATION OF EACH FACILITY WITH THE UTILITY COMPANY, AND SHALL TAKE DUE CARE IN ALL PHASES OF THE CONSTRUCTION TO PROTECT SUCH FACILITIES THAT MAY BE AFFECTED BY THE WORK. ALL DAMAGE TO EXISTING UTILITIES SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE IN ACCORDANCE WITH ARTICLES 107.20 AND 107.31.

THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY OWNERS AND THE ENGINEER.

NOTIFICATION OF RESIDENTS

THE CONTRACTOR WILL BE RESPONSIBLE FOR PROVIDING WRITTEN NOTICE TO ALL AFFECTED RESIDENCES AND/OR PLACES OF BUSINESS AT LEAST ONE (1) WORKING DAY PRIOR TO PERFORMING ALL CONSTRUCTION ACTIVITY THAT WILL ELIMINATE ACCESS TO THEIR PROPERTY. THE WRITTEN NOTICE SHALL BE APPROVED BY THE ENGINEER AND A COPY PROVIDED TO THE VILLAGE PRIOR TO THE BEGINNING OF CONSTRUCTION.

MAINTENANCE OF TRAFFIC

WASHINGTON BOULEVARD WILL REMAIN OPEN TO THRU TRAFFIC DURING ALL OPERATIONS. FLAGGERS SHALL BE USED FOR THE INSTALLATION OF THE POLYMERIZED LEVELING BINDER, THE HOT-MIX ASPHALT SURFACE AND THERMOPLASTIC STRIPING.

FIELD OFFICE

THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE OR VILLAGE PROPERTY ROW WITHOUT WRITTEN PERMISSION FROM THE ENGINEER.

BARRICADES

THE CONTRACTOR SHALL PROVIDE AND INSTALL TWO (2) WEIGHTED SANDBAGS ON EACH TYPE I OR TYPE II BARRICADE USED, ONE (1) WEIGHTED SANDBAG ACROSS EACH BOTTOM RAIL.

OPEN EXCAVATIONS

THE CONTRACTOR SHALL NOT BE ALLOWED TO LEAVE EXCAVATION NECESSARY FOR PAVEMENT PATCHES OR STRUCTURE ADJUSTMENTS OPEN OVERNIGHT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLETELY BACKFILLING OR INSTALLING A PLATE OVER ALL EXCAVATIONS AT THE END OF EACH DAY IN ACCORDANCE WITH ARTICLE 107.09.

CONCRETE BREAKERS

WHEN REMOVING PAVEMENT AND/OR ANY OTHER STRUCTURES, THE USE OF ANY TYPE OF CONCRETE BREAKERS SUCH AS DROP HAMMERS, WHICH MIGHT DAMAGE UNDERGROUND PUBLIC OR PRIVATE UTILITIES, WILL NOT BE PERMITTED. UNDER NO CIRCUMSTANCES WILL THE USE OF A FROST BALL BE PERMITTED.

SAW CUTTING

THE CONTRACTOR SHALL SAW CUT ASPHALT PAVEMENT AS INDICATED ON THE PLANS TO SEPARATE THE EXISTING PAVEMENT TO BE REMOVED BY APPROVED MEANS OR AN APPROVED CONCRETE SAW TO A DEPTH AS DIRECTED BY THE ENGINEER. SUITABLE GUIDELINES OR DEVICES SHALL BE USED TO ASSURE CUTTING A NEAT, STRAIGHT LINE AS SHOWN ON THE PLANS. CARE SHALL BE TAKEN BY THE CONTRACTOR NOT TO DAMAGE THE REMAINING PAVEMENT DIRECTLY ADJACENT TO THE PAVEMENT TO BE REMOVED. DAMAGE TO THE EXISTING PAVEMENT RESULTING FROM PAVEMENT REMOVAL OPERATIONS SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE. THE COST OF SAW CUTTING DESCRIBED ABOVE SHALL BE INCLUDED IN THE COST OF ITEM BEING REMOVED.

PAVEMENT PATCHING

LOCATIONS OF PATCHES WILL BE DETERMINED IN FIELD BY ENGINEER AFTER MILLING OPERATIONS.

CURING AND PROTECTION

AFTER THE CONCRETE HAS BEEN FINISHED AND THE WATER SHEEN HAS DISAPPEARED FROM THE SURFACE OF THE CONCRETE, THE SURFACE SHALL BE SEALED WITH MEMBRANE CURING COMPOUND OF A TYPE APPROVED BY THE ENGINEER. THE SEAL SHALL BE MAINTAINED FOR THE SPECIFIED CURING PERIOD. THE EDGES OF THE CONCRETE SHALL ALSO BE SEALED IMMEDIATELY AFTER THE FORMS ARE REMOVED. IN ADDITION, ALL CONCRETE PLACED DURING PERIODS OF COLD WEATHER SHALL BE PROTECTED IN ACCORDANCE WITH ARTICLE 1020.13 OF THE STANDARD SPECIFICATIONS. THIS WORK SHALL BE INCLUDED IN THE COST OF THE CONTRACT.

THE WORK SHALL BE UNDER THE CHARGE AND CARE OF THE CONTRACTOR UNTIL FINAL ACCEPTANCE BY THE DEPARTMENT. THE CONTRACTOR SHALL ASSUME ALL RESPONSIBILITY FOR INJURY OR DAMAGE TO THE WORK FROM ANY CAUSE WHATSOEVER AND HE SHALL REBUILD, REPAIR OR RESTORE THE DAMAGED WORK AT HIS OWN EXPENSE.

THIS ITEM WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE UNIT PRICE FOR THE VARIOUS CONCRETE ITEMS IN THE CONTRACT.

RAILROAD FLAGMEN

IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO COORDINATE WITH THE WISCONSIN CENTRAL RAILROAD WHENEVER CONSTRUCTION ACTIVITY IS WITHIN 25 FEET OF THE RAILROAD ROW. THE CONTRACTOR SHALL RETAIN FLAGMEN EMPLOYED AND DESIGNATED BY THE WISCONSIN CENTRAL RAILROAD TO MONITOR ON-COMING TRAIN TRAFFIC, AND ADVISE CONTRACTOR PERSONNEL WHEN ACTIVITY ON OR NEAR THE RAILROAD RIGHT-OF-WAY MAY PROCEED. THIS ITEM WILL BE PAID FOR ACCORDING TO ARTICLE 107.12 AND WILL BE REIMBURSED ACCORDING TO ARTICLE 109.05.

GENERAL NOTES

MAINTENANCE OF EXISTING DRAINAGE STRUCTURES

WHEN LOOSE MATERIAL IS DEPOSITED IN THE FLOW LINE OF GUTTERS AND DRAINAGE STRUCTURE OBSTRUCTING THE NATURAL FLOW OF WATER, THE LOOSE MATERIAL SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. AT THE CONCLUSION OF THE CONSTRUCTION OPERATIONS, ALL DRAINAGE FACILITIES SHALL BE CLEAN AND FREE OF ALL OBSTRUCTIONS CAUSED BY CONSTRUCTION OPERATIONS.

MAINTENANCE OF SEWER FLOWS

THE CONTRACTOR SHALL CONDUCT HIS/HER OPERATIONS TO MAINTAIN FLOW AT ALL TIMES THROUGH EXISTING STORM AND SANITARY SEWER SYSTEMS. HE/SHE SHALL PROVIDE AND MAINTAIN AN EFFICIENT PUMPING PLANT, IF NECESSARY, AND A TEMPORARY OUTLET AND BE PREPARED AT ALL TIMES TO DISPOSE OF THE WATER COLLECTED IN A SAFE MANNER WITHOUT DAMAGE OF ANY KIND TO ADJACENT PROPERTIES. THE ENDS OF EXISTING DRAINAGE LINES THAT ARE NOT TO BE INCORPORATED INTO THE PROJECT ARE TO BE SEALED AS SPECIFIED IN THE SPECIAL PROVISIONS. EXISTING STRUCTURES ARE TO BE INSPECTED BEFORE CONSTRUCTION STARTS - ACCUMULATION OF MATERIAL IN THE STRUCTURE DUE TO CONSTRUCTION OPERATIONS SHALL BE REMOVED BY THE CONTRACTOR AT HIS/HER EXPENSE.

FRAMES AND LIDS

THE LOCATION AND TYPE OF FRAMES AND LIDS REQUIRED FOR ALL MANHOLES AND VALVE VAULTS LISTED IN THE SUMMARY OF QUANTITIES MAY BE FOUND ON THE PLANS. WHERE LIDS ARE CALLED FOR ON THE PLANS, THEY SHALL BE IN ACCORDANCE WITH ARTICLE 604.04 OF THE STANDARD SPECIFICATIONS AND THE TERM LID IS USED IN LIEU OF GRATE. ALL LIDS ON SANITARY MANHOLES, COMBINED SEWER MANHOLES, AND VALVE VAULTS SHALL BE OF THE SELF SEALING TYPE.

THE FRAMES AND LIDS OF EXISTING CATCH BASINS, INLETS, MANHOLES, AND VALVE VAULTS THAT ARE TO BE ABANDONED ARE TO REMAIN THE PROPERTY OF THE VILLAGE OF RIVER FOREST. THE CONTRACTOR IS TO DELIVER FRAMES AND LIDS TO THE VILLAGE OF RIVER FOREST PUBLIC WORKS YARD LOCATED AT 45 FOREST AVENUE. THE COST OF THIS WORK SHALL BE INCLUDED IN THE COST OF EACH BID ITEM.

FRAMES AND LIDS, TYPE 1

ALL COMBINED SEWER CLOSED LIDS SHALL BE SELF-SEALING WITH RECESSED PICK HOLES. ALL FRAMES WITH CLOSED LIDS TO BE FURNISHED AS PART OF THIS CONTRACT FOR CONSTRUCTION, ADJUSTMENT, OR RECONSTRUCTION OF ANY MANHOLE OR VALVE VAULT SHALL HAVE CAST INTO THE LID ONE OF THE FOLLOWING WORDS:

STRUCTURE TYPE	NEENAH FOUNDRY* FRAME AND LID	SELF SEALING	WORD CAST INTO LID
SANITARY MANHOLE	R-1713-B	YES	SANITARY
COMBINATION MANHOLE	R-1713-B	YES	SANITARY
STORM MANHOLE	R-1713-B	NO	STORM
VALVE VAULT	R-1713-B	YES	WATER
CATCH BASIN	R-2504-D	NO	-----
INLET	R-2504-D	NO	-----

* NOTE: OR ENGINEER APPROVED EQUAL.

PRECAST CONCRETE SECTIONS FOR STRUCTURES

ALL NEW STRUCTURES AND STRUCTURES TO BE RECONSTRUCTED SHALL BE BUILT WITH PRECAST REINFORCED CONCRETE SECTIONS FABRICATED IN ACCORDANCE WITH A.S.T.M. DESIGNATION C-478.

CONNECTING EXISTING PIPES TO STRUCTURES

ANY PIPE, UP TO FOUR FEET (4') IN LENGTH PER EACH PIPE AND THE NECESSARY TRENCH BACKFILL, USED TO CONNECT EXISTING PIPES TO THE STRUCTURE TO BE RECONSTRUCTED OR TO THE NEW STRUCTURE SHALL BE INCLUDED IN THE COST OF THE STRUCTURE TO BE RECONSTRUCTED OR THE NEW STRUCTURE.

CONNECTION OF DISSIMILAR PIPE MATERIALS

NON-SHEAR CONNECTORS SHALL BE USED WHERE NEW SEWER PIPES ARE TO BE CONNECTED TO EXISTING SEWER PIPES. THE NON-SHEAR CONNECTORS SHALL CONSIST OF A SYNTHETIC RUBBER SLEEVE, WHICH WILL RESIST DETERIORATION CAUSED BY WASTES FOUND IN SEWERS AND TWO STAINLESS STEEL STRAPS. THE CONNECTORS SHALL BE "MISSION" COUPLINGS, "FERNOX" COUPLINGS, OR ENGINEER APPROVED EQUAL. ALL LABOR AND MATERIAL REQUIRED TO CONNECT NEW SEWER PIPE TO EXISTING SEWER PIPE SHALL BE CONSIDERED INCLUDED IN THE COST OF THE CONTRACT.

FORMS FOR CONCRETE SIDEWALKS, DRIVEWAYS AND GUTTER FLAGS

THIS WORK SHALL BE IN ACCORDANCE WITH ARTICLE 424.05, 423.05, AND 1103.05 EXCEPT THAT A 2 x 6 BOARD WILL BE USED AS A FORM FOR ALL SIDEWALKS TO BE INSTALLED FIVE INCHES (5") IN THICKNESS. A 2 x 8 BOARD WILL BE USED AS A FORM FOR ALL DRIVEWAYS TO BE INSTALLED SEVEN INCHES (7") IN THICKNESS. A 2 x 10 BOARD WILL BE USED AS A FORM FOR ALL DRIVEWAYS TO BE INSTALLED EIGHT INCHES (8") IN THICKNESS. A 2 x 12 BOARD WILL BE USED AS A FORM FOR ALL GUTTER FLAGS TO BE INSTALLED TEN INCHES (10") IN THICKNESS. ALL FORMS MUST BE OF A MINIMUM HEIGHT OF THE PROPOSED THICKNESS OF THE RESPECTIVE CONCRETE ITEMS TO BE INSTALLED.

AGGREGATE BEDDING FOR CONCRETE WORK

NEW SIDEWALK AND DRIVEWAY PAVEMENT SHALL BE PLACED ON A MINIMUM OF TWO INCHES (2") OF COMPACTED CA-6 STONE BEDDING. 8" DRIVEWAY PAVEMENT SHALL BE PLACED ON A MINIMUM OF FOUR INCHES (4") OF COMPACTED CA-6 STONE BEDDING. ADDITIONAL AGGREGATE REQUIRED TO ADJUST THE EXISTING ELEVATION OF THE SUBGRADE TO THE PROPOSED ELEVATION WILL BE INCLUDED AS PART OF THIS WORK.

THIS ITEM WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE UNIT PRICE FOR THE RESPECTIVE CONCRETE ITEMS IN THE CONTRACT.

BUTT JOINTS

BUTT JOINTS WILL BE INSTALLED AT THE ENDS OF ALL RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT) IN ACCORDANCE WITH THE "BUTT JOINT AND HMA TAPER" DETAIL SHEET INCLUDED IN THE PLANS, UNLESS OTHERWISE SPECIFIED.

PROTECTIVE COAT

ALL NEW CONCRETE SURFACES SHALL BE PROTECTIVELY COATED WITH A BOILED LINSEED OIL MIXTURE REGARDLESS OF THE TIME OF YEAR THE CONCRETE WORK IS CONSTRUCTED. THE PREPARATION AND APPLICATION OF THIS MIXTURE SHALL BE IN ACCORDANCE WITH ARTICLE 420.18 OF THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION".

<p>HANCOCK ENGINEERING Civil Engineers Municipal Consultants Established 1911</p>	USER NAME -	DESIGNED - ALA	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX OF SHEETS, I.D.O.T. STANDARD DRAWINGS, LEGEND OF SYMBOLS, AND GENERAL NOTES	ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE -	DRAWN - MK, DMM	REVISED -			FAU 1411	11-00093-00-RS	COOK	14	2
	PLOT DATE -	CHECKED - ALA	REVISED -			FIELD BOOK NO. -JAERIALS/ILL	CONTRACT NO. 63686			
		DATE - 12-7-11	REVISED -			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-9003(943)				

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

E.H.E. PROJECT NO. 740-11-15501

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