

**GENERAL NOTES**

- BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT 800-892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED UTILITIES.
- THE CONTRACTOR SHALL COORDINATE WORK ACTIVITIES WITH UTILITY COMPANIES AS REQUIRED.
- THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE OR TOLLWAY PROPERTY WITHOUT WRITTEN PERMISSION FROM THE ENGINEER.
- THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE ARTERIAL TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470, AND THE EXPRESSWAYS TRAFFIC CONTROL SUPERVISOR AT (847) 705-4151 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
- THE CONTRACTOR SHALL USE CARE IN WORKING NEAR ANY AND ALL EXISTING ITEMS THAT ARE TO REMAIN. ANY ITEMS DAMAGED SHALL BE REPAIRED BY THE CONTRACTOR AT THE CONTRACTOR'S OWN EXPENSE.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING MATERIALS.
- THE CONTRACTOR SHALL TAKE ALL NECESSARY SAFETY PRECAUTIONS TO PROTECT AND PROVIDE ACCESS TO ABUTTING PROPERTY, UTILITIES, PEDESTRIANS, AND VEHICULAR TRAFFIC.
- SAW CUTTING IS INCLUDED TO THE PROPOSED ITEM OF WORK SPECIFIED, UNLESS OTHERWISE SHOWN IN PLAN.
- WHERE ARTIFICIAL LIGHTING IS USED IN NIGHT OPERATIONS, THE CONTRACTOR SHALL EXERCISE THE UTMOST PRECAUTIONS IN PREVENTING ADVERSE VISIBILITY TO THE MOTORING PUBLIC AND ADJOINING RESIDENTIAL AREAS.
- EXISTING PAVEMENT MARKINGS THAT CONFLICT WITH TEMPORARY PAVEMENT MARKINGS SHALL BE REMOVED, AS DIRECTED BY THE ENGINEER. THE REMOVAL IN THE IDOT SECTION WILL BE MEASURED IN SQUARE FEET AND PAID FOR AS "PAVEMENT MARKING REMOVAL". THE REMOVAL OF THE EXISTING PAVEMENT MARKINGS IN THE TOLLWAY SECTION WILL BE PAID AS "WATERBLAST PAVEMENT MARKING REMOVAL WITH VACUUM RECOVERY".
- TEMPORARY EDGE LINES IN THE SUGGESTED MAINTENANCE OF TRAFFIC MUST BE INSTALLED BEFORE LANES REOPEN TO TRAFFIC.
- VERTICAL PANELS OR BARRELS WILL REMAIN IN PLACE ALONG THE EDGES OF PAVEMENT AS SHOWN IN THE SUGGESTED MAINTENANCE OF TRAFFIC PLANS UNTIL THE SURFACE COURSE AND PROPOSED PAVEMENT MARKING EDGE LINES HAVE BEEN COMPLETED.
- SURFACE TESTING OF CONTRACT PAVEMENTS WILL BE PERFORMED BY THE CONTRACTOR AS DESCRIBED IN THE CONTRACT SPECIAL PROVISIONS AND THE COST SHALL BE INCLUDED IN THE COST OF THE PAVEMENT ITEM BEING TESTED.
- ALL EXISTING SIGNS REMOVED FROM THE SITE TO BE REINSTALLED AT A LATER TIME SHALL REMAIN IN THE CONTRACTORS PROTECTION AND SHALL BE REINSTALLED IN THE SAME QUALITY AS AT THE TIME OF REMOVAL. THE CONTRACTOR WILL REPAIR OR REPLACE ANY DAMAGED SIGNS AT HIS OWN EXPENSE.
- PIPE UNDERDRAINS 6" (SPECIAL) WILL OUTLET THE PIPE UNDERDRAIN EVERY 500' LONGITUDINALLY, AND A CONCRETE HEADWALL FOR PIPE DRAINS WILL BE PLACED WHERE THE PIPE DAYLIGHTS.
- BACKFILL MATERIAL UTILIZED FOR THE INSTALLATION OF THE PIPE UNDERDRAIN AND PIPE UNDERDRAIN (SPECIAL) PAY ITEMS WILL BE INCLUDED IN THE COST OF THE PIPE UNDERDRAIN, 6".
- ADDITIONAL CAPPING AGGREGATE NECESSARY TO OBTAIN THE PROPOSED SHOULDER BOTTOM WILL BE INCLUDED IN THE SQUARE YARD PRICE FOR AGGREGATE SUBGRADE, 12".
- ACCESS TO ALL BUSINESSES AND RESIDENCES WILL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION UNLESS NOTED IN PLANES.
- THIS PROJECT WILL REQUIRE A PERMIT IN ACCORDANCE WITH GENERAL NPDES PERMIT NO. ILR10 BY THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY AND AN ACOE 404 PERMIT. SEE CONTRACT SPECIFICATIONS FOR SPECIFIC REQUIREMENTS.
- AT THE TIME OF THE PRECONSTRUCTION CONFERENCE, THE CONTRACTOR SHALL SUBMIT FOR APPROVAL THE PROPOSED CONCRETE TRUCK WASHOUT LOCATIONS. RUNOFF FROM WASH AREAS SHALL BE CONTAINED IN DESIGNATED AREAS SO THAT RUNOFF DOES NOT REACH THE STORM SEWER OR DITCH SYSTEMS.

- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE TOLLWAY AT LEAST 10 DAYS IN ADVANCE OF ANY CONSTRUCTION NEAR TOLLWAY OWNED ELECTRICAL COMMUNICATIONS OR TRAFFIC CONTROL CABLES. TOLLWAY ELECTRICIANS WILL LOCATE ANY POSSIBLE INTERFERING CABLES. ANY BURIED CABLE AT OR NEAR A PROPOSED CONSTRUCTION LOCATION SHALL FIRST BE EXPOSED BY THE CONTRACTOR BY HAND DIGGING. ONCE EXPOSED, AND IF THE ENGINEER DETERMINES THERE IS A CONFLICT, THE CONTRACTOR SHALL RELOCATE THE CABLES. IF THE CONTRACTOR CUTS OR DAMAGES ANY CABLES, EITHER THROUGH CARELESSNESS OR FAILURE TO FOLLOW THE ABOVE PROCEDURE, HE SHALL THEM BE HELD RESPONSIBLE FOR THE REPAIRING OF ALL DAMAGES AT HIS EXPENSE, TO THE SATISFACTION OF THE TOLLWAY. THE COST OF THE HAND DIGGING IS INCLUDED IN THE PROPOSED ITEM OF WORK THAT MAY BE IN CONFLICT WITH THE BURIED CABLE.
- THE CONTRACTOR SHALL BE MADE AWARE THAT ALL CONSTRUCTION VEHICLES SHALL BE LIMITED TO 15 FEET ABOVE EXISTING GRADE WHILE CROSSING UNDER COMMONWEALTH EDISON'S TRANSMISSION LINES.
- ON STATE STANDARDS 482001 AND 483001 AGGREGATE SUBGRADE 12" SHALL BE USED AS THE IMPROVED SUBGRADE. THE ADDITIONAL THICKNESS OF AGGREGATE SUBGRADE UNDER THE SHOULDER SHALL BE INCLUDED IN THE COST OF THE PAVEMENT ITEMS BEING CONSTRUCTED
- ALL VEHICLES INCLUDING PASSENGER CARS, WHETHER OWNED BY THE CONTRACTOR OR ANYONE REPRESENTING HIM, SHALL BE EQUIPPED WITH A YELLOW FLASHING LIGHT MOUNTED EITHER ON TOP OR IN THE REAR WINDOW OF THE VEHICLE AND VISIBLE FOR AT LEAST 500 FEET TO THE REAR OF THE VEHICLE. IN ADDITION, A SIGN MUST BE DISPLAYED ON EACH SIDE OF THE VEHICLE AND WITH LETTERS AT LEAST 3 INCHES IN HEIGHT AND WITH A SUITABLE FONT, SHOWING THE COMPANY NAME AND ADDRESS. MAGNETIC OR TEMPORARY SIGNS ARE ACCEPTABLE.
- DISTRIBUTORS: ALL DISTRIBUTORS FOR ASPHALT PAVING OPERATIONS SHALL BE EQUIPPED WITH SHIELDS TO PREVENT DAMAGES TO MOTORISTS' VEHICLES AND TO ADJACENT HIGHWAY APPURTENANCES.
- MAINTAINING DRAINAGE: IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN DRAINAGE FLOWS AT ALL TIMES DURING THE PERFORMANCE OF THE WORK. METHODS USED BY THE CONTRACTOR SHALL BE SUBJECT TO THE APPROVAL OF THE ENGINEER.
- ALL ELEVATIONS ARE BASED ON UNITED STATES COAST AND GEODETIC SURVEY DATUM. BENCHMARKS FOR THE PROJECT ARE DESCRIBED IN THE PLANS.
- FLUORESCENT VESTS AND HARD HATS: ALL CONSTRUCTION PERSONNEL WILL BE REQUIRED TO WEAR FLUORESCENT ORANGE, FLUORESCENT YELLOW/GREEN OR A COMBINATION OF FLUORESCENT ORANGE AND FLUORESCENT YELLOW/GREEN VESTS AND HARD HATS AT ALL TIMES WHILE ON THE CONSTRUCTION SITE.
- TRAFFIC SENSORS: A MINIMUM OF SEVEN DAYS PRIOR TO ANY SHIFTS IN TRAFFIC LANES, THE CONTRACTOR SHALL CONTRACT TRAFFIC.COM AT (610) 407-7400. THE CONTRACTOR SHALL SUPPLY TRAFFIC.COM WITH THE REVISED TRAFFIC PATTERN AND THE DATE FOR THE SHIFT IN TRAFFIC LANES. TRAFFIC.COM IS RESPONSIBLE TO CALIBRATING THE TRAFFIC SENSORS ALONG THE CORRIDOR TO ACCURATELY MONITOR TRAFFIC FLOW.
- THE CONTRACTOR SHALL CONTACT MS. DEBBIE HANLON, AREA TRAFFIC FIELD ENGINEER AT (847) 438-2300 A MINIMUM OF TWO WEEKS PRIOR TO PLACEMENT OF PERMANENT PAVEMENT MARKINGS
- FOR WORK OUTSIDE THE LIMITS OF THE BRIDGE APPROACH PAVEMENT, ALL REFERENCES IN THE HIGHWAY STANDARDS AND STANDARD SPECIFICATIONS FOR REINFORCEMENT, DOWEL BARS AND TIE BARS IN PAVEMENT, SHOULDERS, CURB, GUTTER, COMBINATION CURB AND GUTTER AND MEDIAN, AND CHAIR SUPPORTS FOR CRC PAVEMENT, SHALL BE EPOXY COATED, UNLESS NOTED ON THE PLANS.
- THE CONTRACTOR IS REQUIRED TO HIRE AN ENVIRONMENTAL FIRM WITH AT LEAST FIVE (5) DOCUMENTED LEAKING UNDERGROUND STORAGE TANK CLEANUPS OR THAT IS PRE-QUALIFIED IN HAZARDOUS WASTE BY THE DEPARTMENT TO REMEDIATE THE SOIL CONTAMINATION AND MONITOR FOR WORKER PROTECTION.
- THE CONTRACTOR SHALL MODIFY, OR SUPPLEMENT, EXISTING SIGN PANEL SUPPORTS AS REQUIRED FOR PROPER INSTALLTION OF THE PROPOSED SIGN PANELS, INCLUDING ALL LABOR, EQUIPMENT, MATERIALS, AND HARDWARE AS DIRECTED BY THE ENGINEER. THIS WORK SHALL BE INCLUDED IN THE COST OF SIGN PANEL - TYPE III.
- ALL REFERENCE TO THE PAY ITEM "END SECTIONS TO BE REMOVED" IN THE PLANS AND/OR SPECIAL PROVISIONS SHALL BE UNDERSTOOD TO DIRECTLY INDICATE PAY ITEM X0322936 - "REMOVE EXISTING FLARED END SECTION"

- THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX SURFACE MIXTURES IS 112 LBS/SQ YD/INCH THICKNESS.
- FOR "PERCENT OF RAP" SEE SPECIAL PROVISIONS. HMA PLACEMENT WITHIN TOLLWAY JURISDICTION SHALL FOLLOW THE TOLLWAY PROVISIONS. PLACEMENT WITHIN IDOT JURISDICTIONS SHALL BE ACCORDING TO THE DISTRICT ONE SPECIAL PROVISIONS.
- THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76 -22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64 -22" UNLESS MODIFIED BY THE SPECIAL PROVISIONS."
- PCC TEMPORARY PAVEMENT SHALL CONSIST OF CLASS PV CONCRETE MEETING THE REQUIREMENTS OF ART. 1020 OF THE STANDARD SPECIFICATIONS, 10" THICK

**IDOT DISTRICT 1 STANDARD DRAWINGS**

- BD 01 DRIVEWAY DETAILS - DISTANCE BETWEEN R.O.W. AND CURB OR EDGE GREATER THAN OR EQUAL TO 15'
- BD 02 DRIVEWAY DETAILS - DISTANCE BETWEEN R.O.W. AND FACE OF CURB IS LESS THAN 15'
- BD 03 OUTLET FOR CONCRETE CURB AND GUTTER
- BD 07 SHOULDER WIDENING FOR TYPE T1 (SPECIAL) GUARDRAIL TERMINALS
- BD 30 DRAINAGE STRUCTURE TYPE 4
- BD 34 DETAILS FOR DEPRESSED CURB & GUTTER AND SHOULDER TREATMENT AT TBT TY 1 SPL
- BD 48 PCC PAVEMENT ROUNDABOUTS AT CURB & GUTTER
- BD 51 BENCHING CONSTRUCTION DETAIL
- BD 52 DETAIL OF PAVEMENT SEPERATION JOINT FOR JOINTED PCC PAVEMENT AT INTERSECTIONS
- BE 205 LIGHTING CONTROLLER, RADIO CONTROL, DUPLEX TYPE WITH SCADA
- BE 215 LIGHTING CONTROLLER SINGLE DOOT
- BE 301 LIGHT POLE FOUNDATION, CONCRETE <= 35FT M.H. (15" B.C.)
- BE 330 LIGHT POLE FOUNDATIONON CONCRETE PARAPET WALL 15" BOLT CIRCLE
- BE 410 LIGHT POLE, ALUMINUM, DAVIT ARM, 47.5 FT M.H.
- BE 701 LUMINAIRE SAFETY CABLE ASSEMBLY
- BE 702 MISCELLANEOUS DETAILS, SHEET A - CABLE SPLICE, POLE WIRING, TRENCH DETAILS
- BE 800 TEMPORARY LIGHTING
- TC 08 ENTRANCE AND EXIT RAMP CLOSURE DETAILS
- TC 09 FREEWAY SNIGLE AND MULTILANE WEAVE
- TC 10 TRAFFIC CONTROLS AND PROTECTION FOR SIDE ROADS, INTERSECTION AND DRIVEWAYS
- TC11 RAISED REFLECTIVE PAVEMENT MARKERS (SNOW PLOW RESISTANT)
- TC 12 MULTI-LANE FREEWAY PAVEMENT MARKING
- TC 13 DISTRICT ONE TYPICAL PAVEMENT MARKINGS
- TC 16 PAVEMENT MARKING LETTERS AND SYMBOLS FOR TRAFFIC STAGING
- TC 17 TRAFFIC CONTROL FOR SHOULDER CLOSURES AND PARTIAL RAMP CLOSURES
- TC 18 SIGNING FOR FLAGGING OPERATIONS AND PARTIAL RAMP CLOSURES
- TC 22 ARTERIAL ROAD INFORMATION SIGNING
- TC 25 TRAFFIC CONTROL DETAILS FOR FREEWAY CENTER LANE CLOSURE SHOULDER LANE DRIVEWAY ENTRANCE SIGNING
- TC 27 MILE POST MARKERS - GORE SIGNS - MAJOR GUIDE SIGN LAYOUT - ARROWS
- TS 02 STANDARD TRAFFIC SIGNAL DESIGN DETAILS
- TS 03 HANDHOLE TO INTERCEPT EXISTING CONDUIT
- TS 04 POST MOUNTED FLASHING BEACON; POST MOUNTED FLASHING BEACON WITH PRECIPITATION DETECTOR
- TS 05 STANDARD TRAFFIC SIGNAL DESIGN DETAILS
- TS 06 RAILROAD CANTILEVER SIGNAL HEAD MOUNTING DETAIL

**HOT-MIX ASPHALT REQUIREMENTS**

MIXTURE TYPE	AIR VOIDS @ Ndes	LIFT THICKNESS
TEMPORARY PAVEMENT		
TEMP PAVT (INTERSTATE) (HMA BINDER IL-19.0mm)	4% @ 70 GYR	2 1/4" MIN
HMA SURFACE COURSE, MIX "D", N70 (IL 9.5mm)	4% @ 70 GYR	2"
DRIVEWAYS / HMA STABILIZATION 6" AT GUARDRAIL		
HMA BASE COURSE (HMA BINDER COURSE, IL 19.0)	4% @ 50 GYR	2 1/4" MIN
HMA SURFACE COURSE, MIX "D", N50 (IL 9.5mm)	4% @ 50 GYR	2"
STABILIZED SUBBASE HOT-MIX ASPHALT, 4 1/2"		
STABILIZED SUBBASE HMA, BAM	3% @ 50 GYR	4 1/2"
STABILIZED SUBBASE - HOT-MIX ASPHALT, 3" (ISTHA)		
STABILIZED SUBBASE HMA, BAM	3% @ 50 GYR	3"
MULTI-USE PATH		
HMA SURFACE COURSE, MIX "D" N50 (IL 9.5mm)	4% @ 50 GYR	3"
HOT-MIX ASPHALT SHOULDER, 6" (ISTHA)		
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX D, N70	4% @ 70 GYR	1 3/4"
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	4% @ 50 GYR	4 1/4"

BOWMAN, BARRETT & ASSOCIATES INC.  
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FILE NAME = #FILES#	USER NAME = default	DESIGNED - RGR	REVISED - 7/17/12 RGR	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>GENERAL NOTES</b>	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	PLOT SCALE = Hst=10' Vst=5'	DRAWN - RGR	REVISED -			94	49-1-R-1	LAKE	677	3	
	PLOT DATE = 7/17/2012	CHECKED - RGR	REVISED -			CONTRACT NO. 60L77					
		DATE - 6/19/2012	REVISED -			ILLINOIS FED. AID PROJECT					
				SCALE:	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.				

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