

**GENERAL NOTES**

THE THICKNESS OF HMA SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE HMA IS PLACED.

THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED IN CALCULATING PLAN QUANTITIES:

GRANULAR MATERIALS	2.05	TONS/CU YD
HMA RESURFACING	112	LBS/SQ YD/INCH
SHORT TERM PAVEMENT MARKING	10	FT/100 FT OF APPLICATION
MIX FOR CRACKS, JTS & FLOWYS	0.0003	TONS/SQ YD
LEVEL BINDER (HAND METHOD)	0.0005	TONS/SQ YD
SUPPLEMENTAL WATERING	3	GAL/SQ YD/APPLICATION
CALCIUM CHLORIDE	2	LB/SQ YD/APPLICATION
AGGREGATE DITCH CHECKS	5	TONS AGGREGATE

**HIGHWAY STANDARDS**

000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
406201-01	MAILBOX TURNOUT
420001-07	PAVEMENT JOINTS
420101-04	24' (7.2m) JOINTED PCC PAVEMENT
420106-04	36' (10.8m) JOINTED PCC PAVEMENT
420111-03	PCC PAVEMENT ROUNDOUTS
420401-09	BRIDGE APPROACH PAVEMENT CONNECTOR
420701-02	PAVEMENT FABRIC
424001-07	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
483001-04	PCC SHOULDER
515001-03	NAME PLATE FOR BRIDGES
542001-03	CONCRETE END SECTIONS FOR PIPE CULVERTS 15" THRU 84" DIA.
542006	MULTIPLE CONCRETE END SECTIONS FOR PIPE CULVERTS 15" THRU 84" DIA.
542016	MULTIPLE CONCRETE END SECTIONS FOR ELLIPTICAL PIPE CULVERTS 15" THRU 72" EQUIVALENT DIAMETER
542301-03	PRECAST REINFORCED CONCRETE FLARED END SECTION
542311-04	TRAVERSABLE PIPE GRATE
542401-01	METAL END SECTION FOR PIPE CULVERTS
601001-04	SUB-SURFACE DRAINS
601101-01	CONCRETE HEADWALL FOR PIPE DRAIN
602301-03	INLET - TYPE A
602306-03	INLET - TYPE B
602401-03	MANHOLE TYPE A
602416-03	MANHOLE TYPE A 8' DIAMETER
602501-02	VALVE VAULT TYPE A
602601-02	PRECAST REINFORCED CONCRETE FLAT SLAB TOP
602701-02	MANHOLE STEPS
604001-03	FRAME AND LIDS TYPE 1
604006-04	FRAME AND GRATE TYPE 3
604016-02	FRAME AND GRATE TYPE 4
604036-02	GRATE TYPE 8
604071-04	FRAME AND GRATE TYPE 11
606001-05	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
606301-04	PC CONCRETE ISLANDS AND MEDIANS
630001-10	STEEL PLATE BEAM GUARDRAIL
630201-06	PCC/HMA STABILIZATION AT STEEL PLATE BEAM GUARDRAIL
630301-06	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
631011-09	TRAFFIC BARRIER TERMINAL, TYPE 2
631026-05	TRAFFIC BARRIER TERMINAL, TYPE 5
631031-11	TRAFFIC BARRIER TERMINAL, TYPE 6
635001-01	DELINEATORS
635006-03	REFLECTOR AND TERMINAL MARKER PLACEMENT
635011-02	REFLECTOR MARKER AND MOUNTING DETAILS
642001-02	SHOULDER RUMBLE STRIPS, 16 IN.
665001-02	WOVEN WIRE FENCE
666001-01	RIGHT OF WAY MARKERS
667101-02	PERMANENT SURVEY MARKERS
701001-02	OFF-RD OPERATIONS, 2L, 2W, MORE THAN 15' AWAY
701006-04	OFF-RD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
701011-03	OFF-RD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701201-04	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS > 45 MPH
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701306-03	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS > 45 MPH
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
701326-04	LANE CLOSURE, 2L, 2W, PAVEMENT WIDENING, FOR SPEEDS > 45 MPH
701602-06	URBAN LANE CLOSURE, MULTILANE, 2W WITH BIDIRECTIONAL TURN LANE
701701-08	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701901-02	TRAFFIC CONTROL DEVICES
704001-07	TEMPORARY CONCRETE BARRIER
720001-01	SIGN PANEL MOUNTING DETAILS
720006-03	SIGN PANEL ERECTION DETAILS
720011-01	METAL POSTS FOR SIGNS, MARKERS & DELINEATORS
720016-03	MAST ARM MOUNTED STREET NAME SIGNS
728001-01	TELESCOPING STEEL SIGN SUPPORT
781001-03	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
782001	PRISMATIC CURB REFLECTORS
805001-01	ELECTRICAL SERVICE INSTALLATION DETAILS
814001-02	HANDHOLES
814006-02	DOUBLE HANDHOLES
825016-02	LIGHTING CONTROLLER PEDESTAL MOUNTED, 480V
830001-01	LIGHT POLE ALUMINUM MAST ARM
830026	TEMPORARY ROADWAY LIGHTING
836001-02	LIGHT POLE FOUNDATION
857001-01	STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES
862001-01	UNINTERRUPTIBLE POWER SUPPLY (UPS)
873001-02	TRAFFIC SIGNAL GROUNDING AND BONDING
876001-02	PEDESTRIAN PUSH BUTTON POST
877011-05	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 16' THROUGH 55'
877012-02	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 56' THROUGH 75'
878001-09	CONCRETE FOUNDATION DETAILS
880006-01	TRAFFIC SIGNAL MOUNTING DETAILS
886001-01	DETECTOR LOOP INSTALLATIONS
886006-01	TYPICAL LAYOUTS FOR DETECTION LOOPS
BLR 17-4	TRAFFIC CONTROL DEVICES - DAY LABOR CONSTRUCTION
BLR 21-9	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS
BLR 22-7	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS

THE HMA SURFACE OF ALL MAILBOX TURNOUTS, PRIVATE ENTRANCES, COMMERCIAL ENTRANCES, AND SIDE ROADS SHALL BE MADE NEATLY, IN A WORKMANLIKE MANNER, AND SHALL ACCURATELY CONFORM TO THE SHAPES AND DIMENSIONS SHOWN ON THE PLAN DETAILS. IF REQUIRED BY THE ENGINEER, THE CONTRACTOR SHALL BE REQUIRED TO SAW CUT THE HMA SURFACE TO CONFORM TO THE SHAPES AND DIMENSIONS SHOWN ON THE PLAN DETAILS. THIS WORK SHALL BE INCLUDED IN THE COST OF THE HMA SURFACE.

EXCEPT AS NOTED ON THE PLANS, PAVEMENT GRADES SHOWN ARE AT THE TOP OF PAVEMENT SURFACES.

BEFORE ORDERING PIPE CULVERTS OR PIPE DRAINS, THE CONTRACTOR SHALL CONSULT THE ENGINEER FOR EXACT LENGTHS.

THE ENGINEER WILL BE THE SOLE JUDGE CONCERNING CURING TIME FOR THE VARIOUS HMA LIFTS.

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

SEEDING SHALL NOT BE PERMITTED AT ANY TIME WHEN THE GROUND IS FROZEN, WET, OR IN AN UNTILLABLE CONDITION. LOCATIONS TO BE SEEDED WILL BE DETERMINED BY THE ENGINEER. ONLY THOSE TREES DESIGNATED BY THE ENGINEER OR LISTED IN THE TREE REMOVAL SCHEDULE SHALL BE REMOVED. THE CONTRACTOR SHALL PROTECT ALL REMAINING TREES FROM DAMAGE DUE TO HIS OPERATIONS.

FOR NEW CONSTRUCTION, PLACE CURB RAMPS FOR SIDEWALKS AT ALL LOCATIONS WHERE PROPOSED SIDEWALK ABUTS CURB AT STREET ENTRANCES.

ALL ELEVATIONS REFERRING TO U.S.G.S. MEAN SEA LEVEL DATUM.

ABANDONED UNDERGROUND UTILITIES THAT CONFLICT WITH CONSTRUCTION SHALL BE DISPOSED OF OUTSIDE THE LIMITS OF THE RIGHT OF WAY ACCORDING TO ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION.

ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUBNUMBER SHOWN IN THE LIST OF STANDARDS OR THE COPY INCLUDED IN THESE PLANS.

ALL EXISTING GRANULAR MATERIAL AND HOT-MIX ASPHALT MATERIALS TO BE REMOVED AND NOT PAID AS A SPECIFIC ITEM SHALL BE CONSIDERED EARTH EXCAVATION AND WILL BE PAID FOR AT THE UNIT PRICE FOR EARTH EXCAVATION.

THE REMOVAL AND DISPOSAL OF ALL FENCING, DELINEATORS, DEBRIS, BRUSH, RIPRAP, STONE CONCRETE SLABS, TILE, ETC. NOT PAID SPECIFICALLY ON THE PLANS WILL BE INCLUDED IN THE COST OF EARTH EXCAVATION.

THE STATION, OFFSET AND ELEVATION SHOWN FOR CATCH BASINS, INLETS, AND MANHOLES NOT CONSTRUCTED IN CONJUNCTION WITH THE CURB AND GUTTER IS AT THE CENTER OF THE FRAME AND GRATE.

THE STATION, OFFSET AND ELEVATION SHOWN FOR CATCH BASINS, INLETS, AND MANHOLES CONSTRUCTED IN CONJUNCTION WITH THE CURB AND GUTTER IS AT THE FLOW LINE.

THE WORK REQUIRED TO CONNECT ANY SEWER TO AN EXISTING DRAINAGE STRUCTURE OR PIPE WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE CONTRACT UNIT PRICE BID FOR THE SEWER ITEMS.

MEMBERS OF J.U.L.I.E. KNOWN TO BE WITHIN THE LIMITS OF THE IMPROVEMENT ARE:

1. COMED, AN EXELON COMPANY
2. NICOR GAS
3. AT&T
4. COMCAST CABLE
5. ONEOK PIPELINE
6. ENTERPRISE PRODUCTS PIPELINE (MID-AMERICAN PIPELINE)
7. ALLIANCE PIPELINE
8. KINDER MORGAN ENERGY PARTNERS
9. CITY OF MORRIS
10. NORTHERN BORDER PIPELINE

NON-MEMBERS OF J.U.L.I.E. KNOWN TO BE WITHIN THE LIMITS ARE:

1. ILLINOIS DEPARTMENT OF TRANSPORTATION

THE CONTRACTOR SHALL CONTACT J.U.L.I.E. AT LEAST 48 HOURS PRIOR TO EXCAVATION TO DETERMINE WHICH UTILITIES ARE IN THE AREA.

**LEGEND**

	EORS	EQUIVALENT ROUND-SIZE
		PROPOSED DITCH FLOW
		EXISTING WETLAND AREAS
		S.U.E. TEST HOLE LOCATION

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DISTRICT THREE

REVIEWED BY: *Tom Beaudin*  
DISTRICT STUDIES & PLANS ENGINEER

DATE: 8-15-13

EXAMINED BY: *Herbert K. Long*  
DISTRICT CONSTRUCTION ENGINEER

*Paul A. Anderson*  
DISTRICT OPERATIONS ENGINEER

*Wayne J. Phillips*  
DISTRICT MATERIALS ENGINEER

FILE NAME =	USER NAME = bdsore@rw	DESIGNED - LDZ	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>IL RTE. 47 HIGHWAY STANDARDS, GENERAL NOTES &amp; LEGEND</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
V:\3195\66883 (South Section)\CADD Sheets	AD366883-shr-gannote1.dgn	DRAWN - SRH/RMD	REVISED -			326	(1)0R, BR & BR-1	GRUNDY	644	2	
	PLOT SCALE = 2.0000' / in.	CHECKED - DJD	REVISED -			CONTRACT NO. 66883					
	PLOT DATE = 8/6/2013	DATE - 7/15/2013	REVISED -			SCALE: N/A	SHEET NO. 1 OF 2 SHEETS	STA. N/A	TO STA. N/A	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT