

**HIGHWAY STANDARDS**

**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 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 SEEDING 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.

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 STATION, OFFSET AND INVERT ELEVATION FOR PIPE CULVERT AND STORM SEWER IS TO THE END OF THE PIPE.

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. NORTHERN BORDER PIPELINE

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

1. ILLINOIS DEPARTMENT OF TRANSPORTATION


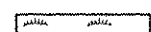

THE CONTRACTOR SHALL CONTACT J.U.L.I.E. AT LEAST 48 HOURS PRIOR TO EXCAVATION TO DETERMINE WHICH UTILITIES ARE IN THE AREA.

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 & FLGWS	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

000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS	701106-02	OFF-ROAD OPERATIONS, MULTILANE, MORE THAN 15' (4.5 M) AWAY
001001-02	AREAS OF REINFORCEMENT BARS	701201-04	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS ≥ 45 MPH
001006	DECIMAL OF AN INCH AND OF A FOOT	701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
280001-07	TEMPORARY EROSION CONTROL SYSTEMS	701306-03	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS ≥ 45 MPH
420001-07	PAVEMENT JOINTS	701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
420101-04	24' (7.2 M) JOINTED PCC PAVEMENT	701326-04	LANE CLOSURE, 2L, 2W, PAVEMENT WIDENING, FOR SPEEDS ≥ 45 MPH
420106-04	36' (10.8 M) JOINTED PCC PAVEMENT	701421-06	LANE CLOSURE, MULTILANE, DAY OPERATIONS ONLY, FOR SPEEDS ≥ 45 MPH TO 55 MPH
482001-02	HMA SHOULDER ADJACENT TO FLEXIBLE PAVEMENT	701422-06	LANE CLOSURE, MULTILANE, FOR SPEEDS ≥ 45 MPH TO 55 MPH
483001-04	PCC SHOULDER	701426-06	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATION, FOR SPEEDS ≥ 45 MPH
515001-03	NAME PLATE FOR BRIDGES	701427-02	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATION, FOR SPEEDS ≤ 40 MPH
542001-04	CONCRETE END SECTIONS FOR PIPE CULVERTS 15" (375 MM) THRU 84" (2100 MM) DIAMETER	701901-03	TRAFFIC CONTROL DEVICES
542016	MULTIPLE CONCRETE END SECTIONS FOR ELLIPTICAL PIPE CULVERTS 15" (375 MM) THRU 72" (1800 MM) EQUIVALENT DIAMETER	704001-07	TEMPORARY CONCRETE BARRIER
542301-03	PRECAST REINFORCED CONCRETE FLARED END SECTION	720001-01	SIGN PANEL MOUNTING DETAILS
542306-02	PRECAST REINFORCED CONCRETE ELLIPTICAL FLARED END SECTION	720006-04	SIGN PANEL ERECTION DETAILS
542311-05	TRAVERSABLE PIPE GRATE	720011-01	METAL POSTS FOR SIGNS, MARKERS AND DELINEATORS
542401-01	METAL END SECTION FOR PIPE CULVERTS	720016-03	MAST ARM MOUNTED STREET NAME SIGNS
542406-01	METAL END SECTION FOR PIPE ARCHES	780001-04	TYPICAL PAVEMENT MARKINGS
601001-04	SUB-SURFACE DRAINS	781001-03	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
601101-01	CONCRETE HEADWALL FOR PIPE DRAIN	782001	PRISMATIC CURB REFLECTORS
602301-04	INLET, TYPE A	805001-01	ELECTRICAL SERVICE INSTALLATION DETAILS
602306-03	INLET, TYPE B	814001-02	HANDHOLES
602401-03	MANHOLE, TYPE A	814006-02	DOUBLE HANDHOLES
602411-04	MANHOLE, TYPE A, 7' (2.1 M) DIAMETER	821101	LUMINAIRE WIRING DIAGRAM
602601-03	PRECAST REINFORCED CONCRETE FLAT SLAB TOP	825016-02	LIGHTING CONTROLLER, PEDESTAL MOUNTED, 480V
602701-02	MANHOLE STEPS	830001-02	LIGHT POLE ALUMINUM MAST ARM
604001-03	FRAME AND LIDS, TYPE 1	836001-02	LIGHT POLE FOUNDATION
604016-02	FRAME AND GRATE, TYPE 4	838001	BREAKAWAY DEVICES
604036-02	GRATE, TYPE 8	857001-01	STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES
606001-05	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER	862001-01	UNINTERRUPTABLE POWER SUPPLY (UPS)
606006-02	OUTLET FOR CONCRETE CURB AND GUTTER, TYPE B-6.24 (B-15.60)	873001-02	TRAFFIC SIGNAL GROUNDING & BONDING
606201-02	TYPE B GUTTER (INLET, OUTLET, AND ENTRANCE)	877001-05	STEEL MAST ARM ASSEMBLY AND POLE 16' THROUGH 55'
606301-04	PC CONCRETE ISLANDS AND MEDIANS	877002-02	STEEL MAST ARM ASSEMBLY AND POLE 56' THROUGH 75'
606306-03	CORRUGATED PC CONCRETE MEDIANS	878001-09	CONCRETE FOUNDATION DETAILS
635001-01	DELINEATORS	880006-1	TRAFFIC SIGNAL MOUNTING DETAILS
642001-02	SHOULDER RUMBLE STRIPS, 16 IN.	886001-01	DETECTOR LOOP INSTALLATIONS
666001-01	RIGHT-OF-WAY MARKERS	886006-01	TYPICAL LAYOUT FOR DETECTION LOOPS
667101-02	PERMANENT SURVEY MARKERS	BLR 17-4	TRAFFIC CONTROL DEVICES - DAY LABOR CONSTRUCTION
701001-02	OFF-ROAD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5 M) AWAY	BLR 21-9	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS
701006-05	OFF-ROAD OPERATIONS, 2L, 2W, 15' (4.5 M) TO 24" (600 MM) FROM PAVEMENT EDGE	BLR 22-7	TYP. APPL. OF T.C.D. FOR RURAL LOC. HWYS. (2-LANE 2 WAY RURAL TRAFF.) (RD. CLOSED TO THRU TRAFF.)
701011-04	OFF-ROAD MOVING OPERATIONS, 2L, 2W, DAY ONLY	BLR 24-2	MAILBOX TURNOUT FOR LOCAL ROADS
701101-04	OFF-ROAD OPERATIONS, MULTILANE, 15' (4.5 M) TO 24" (600 MM) FROM PAVEMENT EDGE		

**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 Beaulieu*  
DISTRICT STUDIES & PLANS ENGINEER

DATE: *August 15, 2014*

EXAMINED BY: *Richard J. [Signature]*  
DISTRICT CONSTRUCTION ENGINEER

*Ben H. [Signature]*  
DISTRICT OPERATIONS ENGINEER

*[Signature]*  
DISTRICT MATERIALS ENGINEER

FILE NAME *	USER NAME * duncanbd	DESIGNED - LOZ	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>IL. RTE. 47 HIGHWAY STANDARDS, GENERAL NOTES &amp; LEGEND</b>		F.A.P. RTE. 326	SECTION (109, 110R-1)	COUNTY KENDALL	TOTAL SHEETS 619	SHEET NO. 2	
c:\pwwork\pwwork\duncanbd\04092014\038884-sht-gennote-1.dgn	DRAWN - SRH/RWD	REVISED -			SCALE: N/A	SHEET NO. 1 OF 2 SHEETS	STA. N/A	TO STA. N/A	[ILLINOIS] FED. AID PROJECT CONTRACT NO. 66884			
PLOT SCALE * 2.000" = 1'	CHECKED - DJD	REVISED -										
PLOT DATE * 8/13/2014	DATE - 7/01/2014	REVISED -										