

LIST OF STANDARDS

000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
420001-07	PAVEMENT JOINTS
421001-02	BAR REINFORCEMENT FOR CRC PAVEMENT
442001-04	CLASS A PATCHES
542001-04	CONCRETE END SECTIONS FOR PIPE CULVERTS 15" (375 mm) THRU 84" (2100 mm) DIA.
601001-04	SUB-SURFACE DRAINS
601101-01	CONCRETE HEADWALL FOR PIPE DRAIN
630001-10	STEEL PLATE BEAM GUARDRAIL
630301-06	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
631011-09	TRAFFIC BARRIER TERMINAL, TYPE 2
631031-12	TRAFFIC BARRIER TERMINAL, TYPE 6
631032-08	TRAFFIC BARRIER TERMINAL, TYPE 6A
631033-05	TRAFFIC BARRIER TERMINAL, TYPE 6B
635001-01	DELINEATORS
635006-03	REFLECTOR AND TERMINAL MARKER PLACEMENT
635011-02	REFLECTOR MARKER AND MOUNTING DETAILS
642001-02	SHOULDER RUMBLE STRIPS, 16 IN.
701101-04	OFF-ROAD OPERATIONS, MULTILANE, 15' (4.5m) TO 24" (600mm) FROM PAVEMENT EDGE
701106-02	OFF-ROAD OPERATIONS, MULTILANE, MORE THAN 15' (4.5m) AWAY
701201-04	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS ≥ 45 MPH
701206-03	LANE CLOSURE, 2L, 2W, NIGHT 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
701321-13	LANE CLOSURE, 2L, 2W, BRIDGE REPAIR WITH BARRIER
701400-07	APPROACH TO LANE CLOSURE, FREEWAY / EXPRESSWAY
701401-08	LANE CLOSURE, FREEWAY / EXPRESSWAY
701402-09	LANE CLOSURE, FREEWAY / EXPRESSWAY, WITH BARRIER
701406-08	LANE CLOSURE, FREEWAY / EXPRESSWAY, DAY OPERATIONS ONLY
701411-08	LANE CLOSURE, MULTILANE, AT ENTRANCE OR EXIT RAMP, FOR SPEEDS ≥ 45 MPH
701426-06	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATION FOR SPEEDS ≥ 45 MPH
701428	TRAFFIC CONTROL, SETUP AND REMOVAL, FREEWAY / EXPRESSWAY
701456-03	PARTIAL EXIT RAMP CLOSURE FREEWAY / EXPRESSWAY
701901-03	TRAFFIC CONTROL DEVICES
704001-07	TEMPORARY CONCRETE BARRIER
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS
720011-01	METAL POSTS FOR SIGNS, MARKERS AND DELINEATORS
720021-02	SIGN PANELS, EXTRUDED ALUMINUM TYPE
728001-01	TELESCOPING STEEL SIGN SUPPORT
729001-01	APPLICATIONS OF TYPES A AND B METAL POSTS (FOR SIGNS & MARKERS)
780001-04	TYPICAL PAVEMENT MARKINGS
781001-03	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS

GENERAL NOTE

- THE STANDARDS AND REVISION NUMBERS LISTED IN THE LIST OF STANDARDS SHALL APPLY TO THIS PROJECT.
- ILLINOIS STATE LAW REQUIRES A 48 HOUR NOTICE TO BE GIVEN TO ALL UTILITIES WITHIN THE PROJECT LIMITS BEFORE DIGGING. FIELD MARKING OF FACILITIES MAY BE OBTAINED BY CONTACTING J.U.L.I.E. OR FOR NON MEMBERS, THE UTILITY COMPANY DIRECTLY. AGENCIES KNOWN TO HAVE FACILITIES WITHIN THE PROJECT AREA ARE AS FOLLOWS:

UTILITY	ABOVE GROUND	BELOW GROUND
•AMEREN ILLINOIS - GAS & ELECTRIC	X	X
•AT&T ILLINOIS- COMMUNICATIONS	X	X
•AT&T CORPORATION - COMMUNICATIONS		X
•BOND MADISON WATER COMPANY - WATER		X
•BUCKEYE PARTNERS L.P.--WOOD RIVER PIPELINE - PIPELINE		X
•CHARTER COMMUNICATIONS, INC - CABLE TV	X	X
•ENABLE - MISSISSIPPI RIVER TRANSMISSION LLC - PIPELINE		X
•FRONTIER NORTH, INC - COMMUNICATIONS	X	X
•CITY OF HIGHLAND - WATER & SANITARY SEWER		X
•CITY OF HIGHLAND - ELECTRIC	X	X
•HOME TELEPHONE COMPANY - COMMUNICATIONS	X	X
•SOUTHWESTERN ELECTRIC COOPERATIVE, INC. - ELECTRIC	X	X

* = J.U.L.I.E. MEMBERS - CONTACT NUMBER TOLL FREE (800) 892-0123 OR 811

- THE CONTRACTOR AND THE ENGINEER SHALL BE AWARE THAT LIMITED SURVEY WAS PERFORMED FOR THIS PROJECT. THE STATIONING AND TOPOGRAPHY SHOWN IN THE PLANS WERE CREATED USING MICROFILM, FIELD MEASUREMENTS AND SURVEY. ALL SHALL BE ASSUMED TO BE APPROXIMATE. THE CONTRACTOR SHALL VERIFY DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.

4. AN ESTIMATED QUANTITY OF 90,171 TONS OF HOT-MIX ASPHALT SURFACE WILL BE REMOVED. THE SURFACE REMOVAL THICKNESS OF THE EXISTING HMA OVERLAY MAY VARY FROM THAT SHOWN ON THE PLANS. NO ADDITIONAL PAYMENT WILL BE MADE FOR ACCOMMODATING THE VARIATION IN EXISTING HMA THICKNESS.

- THE THICKNESS OF THE HMA MIXTURE 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 MIXTURE IS PLACED.

- AN ESTIMATED 90,171 TONS OF HMA SURFACE COURSE TO BE REMOVED FROM STATION 1028+40.00 TO STATION 1588+00.00 PLUS IL4 AND IL 143 RAMPS/GORES.

7. ALL AREAS DISTURBED BY THE CONTRACTOR OUTSIDE THE PROPOSED CONSTRUCTION LIMITS SHALL BE SEEDED AT THE CONTRACTOR'S EXPENSE.

8. "ROAD CONSTRUCTION AHEAD" SIGNS SHALL BE PLACED AT THE BEGINNING OF THE PROJECT PLUS ALL RAMPS AND WILL BE INCLUDED IN THE COST OF THE ASSOCIATED TRAFFIC CONTROL PAY ITEMS. ALL CONSTRUCTION SIGNS SHALL BE 48" FLUORESCENT ORANGE.

9. APPROXIMATELY 1388 SQUARE YARDS OF PCC PATCHES WITHIN THE PROJECT LIMITS WILL BE SUBJECT TO THE HMA SURFACE REMOVAL OPERATIONS OF THE DEPTHS SPECIFIED IN THE PLANS. THE COST OF MILLING THESE PATCHES SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE OF THE HMA REMOVAL ITEMS IN THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

10. THE PORTABLE CHANGEABLE MESSAGE SIGNS SHALL BE PLACED AS DIRECTED BY THE ENGINEER. NO ADDITIONAL COMPENSATION SHALL BE ALLOWED FOR RELOCATION OF THESE SIGNS.

11. PCC PATCHES SHALL BE POURED TO THE FULL DEPTH OF EXISTING PAVEMENT, WHICH MAY EXCEED THE NOMINAL DEPTH SHOWN IN THE PLANS.

12. THE PAY FOR PERFORMANCE ITEMS AND QUANTITIES ARE AS FOLLOWS:
HMA POLY SMA SURFACE COURSE - 77,306 TONS

13. DOUBLE LANE LINE MARKERS SHALL BE UTILIZED ACCORDING TO STANDARD 781001.

14. FOR CLASS A PATCHES, THE REINFORCEMENT SHALL BE PLACED TO MATCH THE EXISTING CONCRETE PAVEMENT.

15. FLAGGERS SHALL BE REQUIRED AT ALL TIMES DURING PATCHING OPERATIONS.

16. THE CONTRACTOR SHOULD BE AWARE THERE ARE HORIZONTAL CURVES WITHIN THE PROJECT LIMITS THAT MAY BE SUPERELEVATED. THE CONTRACTOR SHALL VERIFY THE EXISTING SUPERELEVATION AND MATCH EXISTING CROSS-SLOPE. THESE CROSS-SLOPES MAY BE CONTRARY TO THE TYPICAL SECTIONS.

17. NO TREES SHALL BE REMOVED BETWEEN APRIL 1 AND SEPTEMBER 30 OF ANY YEAR.

18. THE RESIDENT ENGINEER SHALL VERIFY THE EXISTENCE OF UNDERGROUND HIGHWAY LIGHTING AND/OR I.T.S. FACILITIES WITHIN THE PROJECT LIMITS. IF HIGHWAY LIGHTING EXISTS WITHIN THE PROJECT LIMITS, AND IF THESE ITEMS REQUIRE LOCATING, THE CONTRACTOR SHALL BE DIRECTED TO DO SO ACCORDING TO SECTION 803 OF THE STANDARD SPECIFICATIONS. IF 'LOCATING UNDERGROUND CABLE' IS NOT INCLUDED AS PART OF THE PLANS, THIS WORK SHALL BE PAID FOR ACCORDING TO ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.

ROUTE	FAI 70
SECTION	60-(11,12)RS-3
COUNTY	MADISON
CONTRACT	76F13

DESCRIPTION:	I-70 FROM 2.5 MI. E OF I-55/270 INTERCHANGE TO 0.1 MI. W OF PRAIRE ROAD
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ADT (Construction Yr):	30000
MU%:	27.3
SU%:	2.8
20 YR. ESAL'S:	49.17

MIXTURE REQUIREMENTS

LOCATION(S)	FAI ROUTE 70 MAINLINE AND RAMPS			TEMPORARY PAVEMENT
	POLY SMA SURFACE/BINDER	STABILIZED SUB-BASE/ SHOULDER > 2.25"	SHOULDERS < 2.25"	SHLD/BASE CSE. FOR STAGE CONSTRUCTION
AC/PG	SBS PG 76-22	PG 64-22	PG 64-22	PG 64-22
RAP % (MAX)	SEE SPEC.	See Contract RAP	See Contract RAP	SEE SPEC.
DESIGN AIR VOIDS	4.0% @ Ndes=80	Special Provision	Special Provision	4.0% @ Ndes = 90
MIX COMPOSITION		**2.0% @ Ndes=30	**2.0% @ Ndes=30	
(GRADATION MIXTURE)	SEE SPEC.	NMAS 3/4"	NMAS 1/2"	IL 19.0 FG
FRICTION AGG	SMA			MIXTURE "B"
QUALITY MGMT PROGRAM	PFP	QC/QA	QC/QA	QC/QA

** TOP LIFT SHOULDERS - DESIGN THIS MIX AT 2.0% VOIDS AND ADD ASPHALT TO REDUCE VOIDS TO 1.5%
PLAN QUANTITIES FOR BITUMINOUS CONCRETE SURFACE COURSE ITEMS ARE CALCULATED USING A UNIT WEIGHT OF 112 LB/SO YD/IN (59.8 KG/SQ M/25 MM THICKNESS).

- ALL EARTHWORK REQUIRED TO MEET STD. 630301-06. SHALL BE INCLUDED IN THE COST OF TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL).

20. ALL SAW CUTS REQUIRED FOR REMOVALS EXCEPT PATCHING, SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE PER UNIT REMOVAL QUANTITIES.

21. A QUANTITY OF AGGREGATE WEDGE SHOULDER, TYPE B HAS BEEN INCLUDED TO ELIMINATE EXISTING DROP-OFFS AT THE EDGE OF THE HMA SHOULDER.

22. PIPE UNDERDRAIN REMOVAL IN THE PAVEMENT REMOVAL AND PAVED SHOULDER REMOVAL AREAS OR ENCOUNTERED DURING PIPE UNDERDRAIN INSTALLATION WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF PIPE UNDERDRAINS.

23. THE INTENT OF THIS CONTRACT IS TO LOCATE THE FACE OF THE GUARDRAIL AT THE EDGE OF THE HMA SHOULDER.

24. THE INTENT OF THIS CONTRACT IS TO MILL TO BARE CONCRETE AND RESURFACE MAINLINE I-70 WITH AN EQUAL AMOUNT. THE IL 143 AND IL 4 RAMPS SHALL BE RESURFACED TO THE THICKNESS SHOWN.

25. TRAFFIC CONTROL AND PROTECTION STANDARD 701206 HAS BEEN INCLUDED, SHOULD IT BE NECESSARY TO COMPLETE PATCHING OPERATIONS FOR SN 060-0174.

26. FOR THE PROJECT, OVERALL EARTH EXCAVATION QUANTITIES EXCEED THE QUANTITY OF REQUIRED FURNISHED EXCAVATION; THEREFORE, FURNISHED EXCAVATION WILL NOT BE PAID FOR SEPARATELY, BUT INCLUDED IN THE COST OF EARTH EXCAVATION.

☐ INDICATES PAYMENT INCLUDED IN COST OF ANOTHER ITEM.

COMMITMENTS

NONE

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* SHEET 122 DELETED

*FILE#	PLDT SCALE - *SCALE*	DESIGNED - GEL	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX OF SHEETS, GENERAL NOTES, & LIST OF STANDARDS	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLDT DATE - *DATE*	DRAWN - LAC	REVISED -			70	60-(11,12)RS-3	MADISON	242	2
	USER NAME - *USER*	CHECKED - MDP	REVISED -			CONTRACT NO. 76F13				
	DATE - 3/20/2012	DATE -	REVISED -			SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.