

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	60-(10,11)RS	MADISON	156	2
STA. _____ TO STA. _____		FED. ROAD DIST. NO. _____ ILLINOIS FED. AID PROJECT _____		

GENERAL NOTES

- THE STANDARDS AND REVISION NUMBERS SHALL APPLY TO THIS PROJECT.
- ALL ELEVATIONS REFER TO NATIONAL GEODATIC SURVEY (N.G.S.) DATUM.
- IF ANY SECTION OR SUB-SECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED OR RESURFACED OVER. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKERS AND MONUMENTS UNTIL THE OWNER, AN AUTHORIZED SURVEYOR, OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION.
- ILLINOIS STATE LAW REQUIRES A 48 HOUR NOTICE TO BE GIVEN TO UTILITIES 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

- AMEREN IP
 - BOND MADISON WATER COMPANY
 - CHARTER COMMUNICATIONS, INC
 - CONOCOPHILIPS COMPANY
 - ILLINOIS AMERICAN WATER CO.
 - ATT ILLINOIS
 - SOUTHWESTERN ELECTRIC COOPERATIVE, INC
 - CITY OF TROY
 - WILTEL COMMUNICATIONS, LLC
- MEMBERS OF J.U.L.I.E. (800)892-0123 ARE INDICATED BY *.
NON MEMBERS MUST BE NOTIFIED INDIVIDUALLY.

UTILITY	ABOVE GROUND	BELOW GROUND
•AMEREN IP		X
•BOND MADISON WATER COMPANY		X
•CHARTER COMMUNICATIONS, INC		X
•CONOCOPHILIPS COMPANY		X
•ILLINOIS AMERICAN WATER CO.		X
•ATT ILLINOIS	X	X
•SOUTHWESTERN ELECTRIC COOPERATIVE, INC		X
•CITY OF TROY		X
•WILTEL COMMUNICATIONS, LLC		X

- EXCESS BITUMEN REMOVAL SHALL BE PAID FOR ACCORDING TO ARTICLE 109.04 OF STANDARD SPECIFICATIONS.
- PROTECTIVE COAT SHALL BE APPLIED TO ALL GUTTER FLAGS, FACE OF CURB, AND MEDIAN SURFACE.
- THE MATERIAL TRANSFER DEVICE (MTD) MAY BE ALLOWED TO TRAVEL OVER STRUCTURES IF GIVEN APPROVAL FROM THE ENGINEER. THE MTD IS EMPLOYED OF BITUMINOUS MATERIAL PRIOR TO CROSSING THE STRUCTURE, AND THE TIRES OF THE MTD TRAVEL ON OR IN CLOSE PROXIMITY AND PARALLEL TO THE BEAM AND/OR GIRDER LINES OF THE STRUCTURE. THE RESIDENT ENGINEER SHOULD MARK THE DECK SURFACE FOR THE LOCATION OF THE BEAMS/GIRDERS. THE COST TO EMPTY THE MTD OF BITUMINOUS MATERIAL WILL BE AT THE EXPENSE OF THE CONTRACTOR. IF THE NBIS RATING OF A STRUCTURE IS LESS THAN OR EQUAL TO 4.0 THE DEPARTMENT WILL PAY TO HAVE THE MTD MOVED ACCORDING TO ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.
- THE CONTRACTOR SHALL BE AWARE THAT THERE ARE MANHOLES AND VALVES LOCATED WITHIN THE RESURFACING LIMITS. CARE SHALL BE TAKEN IN THESE LOCATIONS DURING MILLING OPERATIONS.

- 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 IN THE EXISTING SURFACE OR BASE ON WHICH THE HMA MIXTURE IS PLACED.
- AN ESTIMATED 7000 TONS OF HMA WILL BE REMOVED.
- THE MIXTURE REQUIREMENTS SHOWN ON THIS SHEET IN THE MIXTURE REQUIREMENTS CHART ARE APPLICABLE FOR THIS PROJECT.
- EARTHWORK FOR THIS PROJECT CONSISTS OF 89 CUBIC YARDS OF EARTH EXCAVATION AND 151 CUBIC YARDS OF FURNISHED EXCAVATION.
- IF ANY UNSUITABLE MATERIAL IS ENCOUNTERED DURING CONSTRUCTION IT WILL BE NECESSARY TO REMOVE THE UNSUITABLE MATERIAL AND REPLACE IT WITH A SUITABLE MATERIAL AS APPROVED BY THE ENGINEER.
- ALL AREAS DISTURBED FOR ANY REASON SHALL BE SEEDED AND MULCHED AS DIRECTED BY THE ENGINEER. NUTRIENTS SHALL CONFORM TO ARTICLE 250.04 OF THE STANDARD SPECIFICATIONS.
- EXISTING TREES THAT ARE NOT SHOWN TO BE REMOVED IN THE PLANS SHALL REMAIN UNDAAGED.
- SAW CUTTING ON ALL EDGES FOR REMOVAL ITEMS SHALL BE INCLUDED IN THE COST OF THE REMOVAL ITEM AS INDICATED AND IN ACCORDANCE WITH SECTION 440 OF THE STANDARD SPECIFICATIONS.
- THE CONTRACTOR AND THE ENGINEER SHALL BE AWARE THAT NO SURVEY WAS PERFORMED FOR THIS PROJECT. THE STATIONING AND TOPO SHOWN IN THE PLANS WAS CREATED USING MICROFILM AND FIELD MEASUREMENTS MADE BY DESIGN PERSONNEL. BOTH SHALL BE CONSIDERED APPROXIMATE.
- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
- "ROAD CONSTRUCTION AHEAD" SIGNS SHALL BE PLACED AT THE BEGINNING OF THE PROJECT PLUS ALL INTERSECTING SIDE ROADS AND RAMPS AND WILL BE INCLUDED IN THE TRAFFIC CONTROL PAY ITEMS. ALL CONSTRUCTION SIGNS SHALL BE 48" FLOURESCENT ORANGE.
- FLAGMEN SHALL BE PRESENT DURING ALL CLOSURE HOURS INCLUDING LUNCH HOUR AND NO ADDITIONAL COMPENSATION SHALL BE ALLOWED.
- SHORT-TERM PAVEMENT MARKING SHALL BE APPLIED TO THE MILLED, PRIMED, AND FINAL HMA SURFACE. A QUANTITY FOR TEMPORARY PAVEMENT MARKING EQUAL TO THE AMOUNT OF PERMANENT PAVEMENT MARKING HAD BEEN INCLUDED IN THE PLANS. "WORK ZONE PAVEMENT MARKING REMOVAL" SHALL BE PAID FOR THE FINAL SURFACE ONLY.
- ALL TEMPORARY PAVEMENT MARKINGS SHALL BE PLACED IN SUCH A WAY AS NOT TO INTERFERE WITH THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.

- SIGN PANELS REMOVED FROM THE SIGN STRUCTURES TO BE REMOVED SHOULD BE TAKEN TO THE SIGN SHOP AT THE TMC BUILDING. CONTACT JEAN SLAPE AT 346-3289 TO ARRANGE THEIR DROP OFF.
- THE STAGE CONSTRUCTION TRAFFIC CONTROL SEQUENCE AS SHOWN IN THE PLANS IS SUGGESTED. THE CONTRACTOR MAY SUBMIT IN WRITING A PROPOSED STAGE CONSTRUCTION TRAFFIC CONTROL SEQUENCE MEETING THE TRAFFIC CONTROL STANDARDS, PLAN NOTES, AND SPECIAL PROVISIONS IN THIS CONTRACT FOR APPROVAL BY THE DEPARTMENT.
- THE CONTRACTOR SHALL BE REQUIRED TO CLEAN POT HOLE AREAS AND PLACE LEVEL BINDER (HAND METHOD) PRIOR TO CONCRETE PATCHING AND ALL HMA RESURFACING OPERATIONS AS DIRECTED BY THE ENGINEER. THIS WORK SHALL BE PAID FOR AS LEVEL BINDER (HAND METHOD) AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED. TRAFFIC CONTROL 701426 OR OTHER APPROVED TRAFFIC CONTROL SHALL BE USED.
- THE TOPO, PLAN DETAILS AND NOTES ON THE PLAN SHEETS APPLY ONLY TO THE ROADWAYS INDICATED IN THE TITLE BLOCK.
- ADVANCE WARNING SIGNS SHALL BE PLACED ON SOUTHBOUND I-55, WESTBOUND I-70, NORTHBOUND I-55/70, AND WESTBOUND I-270 ACCORDING TO STANDARD 701400 AND AS DIRECTED BY THE RESIDENT ENGINEER TO NOTIFY MOTORISTS OF LANE CLOSURES ON I-55, I-70 AND I-270. NO ADDITIONAL COMPENSATION SHALL BE ALLOWED.
- ANY REFERENCE TO BITUMINOUS CONCRETE SHALL BE CONSTRUED TO MEAN HMA.
- THE HMA REMOVAL OPERATION AT RAMP G7 IS SHALL EXPOSE THE CONCRETE SURFACE. THIS WORK IS PAID FOR AS HOT-MIX ASPHALT SURFACE REMOVAL, 2 3/4" AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- TEMPORARY RUMBLE STRIPS SHOWN IN STANDARD 701316 ARE INCLUDED IN THE COST OF THE STANDARD.
- THE 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.
- THE PORTABLE CHANGEABLE MESSAGE SIGNS SHALL BE PLACED AS DIRECTED BY THE ENGINEER. NO ADDITIONAL COMPENSATION SHALL BE ALLOWED FOR RELOCATION OF THESE SIGNS.
- THE SLOPEWALL TO BE RUBBILIZED AT STRUCTURES 060-0023 & 0024 SHALL BE GRADED BELOW THE PROPOSED RIPRAP SUBGRADE AND RUBBILIZED MATERIAL IN EXCESS OF THAT REQUIRED TO MEET THE PROPOSED RIPRAP SUBGRADE SHALL BE DISPOSED OF ACCORDING TO ARTICLE 202 AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

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 *105 DELETED
 *115 DELETED
 156E, F, TRAFFIC BARRIER TYPE 2 DETAILS

MIXTURE REQUIREMENTS - SUPERPAVE PROJECT

ROUTE	FAI 70
SECTION	60-(10,11)RS
COUNTY	MADISON
CONTRACT	76857

DESCRIPTION:	RESURFACING AND BRIDGE REHABILITATION ON I-70 FROM I-55 TO 2.5 MILES EAST OF THE 31 INTERCHANGE
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ADT (Construction Yr)	30400
MLI:	30.9
SLI:	4.9
20 YR. ESAL'S:	57.24

MIXTURE USE	SURFACE	X OVER SURFACE	PATCHING	BINDER
AC/PG	SBS PG 76-22	PG 64-22	PG 64-22	SBS 70-22
RAP % (MAX)	0%	0%	0%	0%
DESIGN AIR VOIDS	4.0% @ Ndes=80	4.0% @ Ndes=105	4.0% @ Ndes=105	4.0% @ Ndes=105
MIX COMPOSITION (GRADATION MIXTURE)			IL 19.0	IL 19.0
FRICITION AGG	MIXTURE SMA	MIXTURE C	MIXTURE B	MIXTURE B

MIXTURE USE	SHOULDERS	TOP LIFT SHOULDERS	LOCAL SURF	LOCAL BINDER
AC/PG	PG 58-22	PG 58-22	PG 64-22	PG 64-22
RAP % (MAX)	30%	30%	10%	15%
DESIGN AIR VOIDS	2.0% @ Ndes=30	**2.0% @ Ndes=30	4.0% @ Ndes=70	4.0% @ Ndes=70
MIX COMPOSITION (GRADATION MIXTURE)			IL 12.5 or 9.5	IL 19.0
FRICITION AGG	BAM	BAM	Mixture C	Mixture B

** Top Lift Shoulders - Design this mix at 2.0% voids and add asphalt to reduce voids to 1.5%.

Plan quantities for Hot Mix Asphalt Surface Course Items are calculated using a unit weight of 112 lb/sq yd/in (59.8 kg/sq m/25 mm thickness).

COMMITMENTS

PRIOR TO COMMENCEMENT OF ANY WORK INVOLVING IN-STREAM ACTIVITY, THE RESIDENT ENGINEER SHALL VERIFY WITH THE DISTRICT HYDRAULICS ENGINEER, FRANK OFFER, THAT THE NATIONALWIDE 404 PERMIT HAS BEEN ISSUED AND IS IN EFFECT FOR THIS PROJECT.

HIGHWAY STANDARDS

000001-04	701301-02
001001-01	701306-01
001006	701316-03
442001-03	701321-08
442101-06	701400-02
630001-07	701402-05
631032-03	701406-04
635001	701411-03
635006-02	701426-02
635011-01	702001-06
642001	720011
701101-1	780001-01
701201-02	781001-02

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION GENERAL NOTES AND INDEX OF SHEETS FAI ROUTE 70 SECTION 60-(10,11)RS MADISON COUNTY
NAME	DATE	
		SCALE: VERT. _____ HORIZ. _____ DATE _____ DRAWN BY _____ CHECKED BY _____

Rev. 2-20-07

Rev.