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GENERAL NOTES

1. THE USE OF VIBRATORY ROLLERS IS PROHIBITED IN RESIDENTIAL AREAS. THIS DOES NOT RELIEVE THE CONTRACTOR OF DENSITY REQUIREMENTS FOR THE HOT-MIX ASPHALT PAVEMENTS AS SPECIFIED IN THE APPROPRIATE SECTIONS OF THE STANDARD SPECIFICATIONS.
2. THE THICKNESS OF THE HOT-MIX ASPHALT 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 MIXTURE IS PLACED.
3. ILLINOIS STATE LAW REQUIRES A 48-HOUR NOTICE BE GIVEN TO ALL 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:
 - AMEREN ILLINOIS
 - AT&T ILLINOIS
 - CENTERPOINT ENERGY
 - CHARTER COMMUNICATIONS, INC.
 - CITY OF GRANITE CITY
 - ILLINOIS AMERICAN WATER COMPANY
 - LEVEL 3 COMMUNICATIONS, LLC
 - MADISON COUNTY SPECIAL SERVICE AREA #1

MEMBERS OF J.U.L.I.E. (800)-892-0123 ARE INDICATED BY *. NON J.U.L.I.E. MEMBERS MUST BE NOTIFIED INDIVIDUALLY.

4. ALL SHORT-TERM PAVEMENT MARKINGS WILL BE PLACED IN SUCH A MANNER SO AS NOT TO INTERFERE WITH THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS. SHORT-TERM PAVEMENT MARKING HAS BEEN CALCULATED TO BE APPLIED TO THE MILLED AND FINAL HMA SURFACE. REMOVAL OF SHORT-TERM PAVEMENT MARKING FROM THE FINAL HMA SURFACE ONLY IS TO BE PAID AS "WORK ZONE PAVEMENT MARKING REMOVAL". A QUANTITY FOR TEMPORARY PAVEMENT MARKING EQUAL TO THE AMOUNT OF PERMANENT PAVEMENT MARKING HAS BEEN ADDED TO THE PLANS.
5. ALL PROPOSED PAVEMENT MARKINGS SHALL BE PLACED TO MATCH EXISTING OR AS DIRECTED BY R.E.
6. THE CONTRACTOR SHALL BE AWARE THAT THERE ARE MANHOLES & VALVES LOCATED WITHIN THE RESURFACING LIMITS. CARE SHALL BE TAKEN IN THESE LOCATIONS DURING MILLING OPERATIONS.
7. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
8. ALL PATCHING ON THIS PROJECT SHALL BE COMPLETED PRIOR TO HOT-MIX SURFACE REMOVAL.
9. NO OVERNIGHT LANE CLOSURES WILL BE ALLOWED.
10. NO OPEN TRENCHES WILL BE PERMITTED ADJACENT TO A TRAFFIC LANE DURING NON-WORKING HOURS. ALL TRENCHES WILL BE BACKFILLED DURING THE SAME DAY OF EXCAVATION. NO EXCEPTIONS WILL BE MADE. INGRESS AND EGRESS OF DRIVEWAYS AND ENTRANCES SHALL BE PERMITTED AT ALL TIMES.
11. "ROAD CONSTRUCTION AHEAD" SIGNS SHALL BE PLACED AT THE BEGINNING AND END OF THE PROJECT PLUS THE INTERSECTING SIDE ROADS, AND WILL BE INCLUDED IN THE TRAFFIC CONTROL PAY ITEMS. ALL CONSTRUCTION SIGNS SHALL BE 48" X 48" FLUORESCENT ORANGE.
12. FLAGMEN SHALL BE PRESENT DURING ALL CLOSURE HOURS, INCLUDING LUNCH HOUR, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
13. BITUMINOUS MATERIALS (COVER AND SEAL COATS) SHALL BE HFRS-2.
14. THE ILLINOIS DEPARTMENT OF TRANSPORTATION STRONGLY ENCOURAGES THE PRIME CONTRACTOR AND THEIR APPROVED SUB-CONTRACTORS TO HIRE MINORITY, WOMEN AND DISADVANTAGED INDIVIDUALS FROM ITS FEDERALLY FUNDED HIGHWAY CONSTRUCTION CAREERS TRAINING PROGRAM (HCCTP) TO HELP MEET WORKFORCE AND TRAINEE GOALS. THIS PROGRAM IS TRAINING MINORITIES, WOMEN AND DISADVANTAGED INDIVIDUALS IN HIGHWAY CONSTRUCTION-RELATED SKILLS, E.G., MATH FOR THE TRADES, JOB READINESS, TECHNICAL SKILLS COURSEWORK (CARPENTRY, CONCRETE FLATWORK, BLUEPRINT READING, SITE PLANS, SITE WORK, TOOLS USE, ETC.) AND OSHA 10 HOUR CERTIFICATION, TO PREPARE THEM FOR A CAREER IN THE HIGHWAY CONSTRUCTION TRADES. GRADUATES ARE WELL-TRAINED AND READY TO BECOME PRODUCTIVE ENTRY-LEVEL CONSTRUCTION WORKERS. PLEASE CONTACT THE DISTRICT 8 EEO OFFICE AT 618-346-3360 AND/OR THE HCCTP COORDINATOR AT 618/874-6528 TO LEARN MORE ABOUT THE PROGRAM AND FOR ASSISTANCE IN MEETING WORKFORCE AND TRAINEE GOALS.

15. THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:

MIXTURE REQUIREMENTS

ROUTE	FAU 9094
SECTION	11-XRS-4
COUNTY	MADISON
CONTRACT	76F67

DESCRIPTION:	SP Missouri Ave from 25th St to IL 3 Granite City
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ADT (Construction Yr):	5500
MU%	4.5
SU%	3.6
20 YR. ESAL'S:	3.16

MIXTURE USE	Poly Surface	LEVEL BINDER	PATCHING	INCIDENTAL SURF	Partial Depth Patch
AC/PC	SBS 76-22	PG 64-22	PG 64-22	PG 64-22	PG 64-22
RAP % (MAX)	SEE SPEC.	SEE SPEC.	SEE SPEC.	SEE SPEC.	SEE SPEC.
DESIGN AIR VOIDS	4.0% @ Ndes=90	4.0% @ Ndes=90	4.0% @ Ndes=90	4.0% @ Ndes=90	4.0% @ Ndes=90
MIX COMPOSITION					
(GRADATION MIXTURE)	IL 12.5/9.5	9.5 FG	IL 19.0		
FRICTION AGG	MIXTURE "D"		MIXTURE "B"	MIXTURE "C"	MIXTURE "C"

MIXTURE USE	SHOULDERS ≥ 2.25"	SHOULDERS < 2.25"			
AC/PC	PG 64-22	PG 64-22			
RAP % (MAX)	See Contract RAP Special Provision	See Contract RAP Special Provision			
DESIGN AIR VOIDS					
MIX COMPOSITION	**2.0% @ Ndes=30	**2.0% @ Ndes=30			
(GRADATION MIXTURE)	MMA5 3/4"	MMA5 1/2"			
FRICTION AGG					

** 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/sq yd/in (59.8 kg/sq m/25 mm thickness).

16. HMA SURFACE REMOVAL 3" SHALL BE USED AT THE INTERSECTION OF PONTOON ROAD. THE PURPOSE OF THIS SURFACE REMOVAL IS TO MILL DOWN TO EXISTING CONCRETE PAVEMENT FOR A DISTANCE OF 646' NORTH OF PONTOON ROAD AND 600' SOUTH OF PONTOON ROAD. LEVELING BINDER IS ALSO PROPOSED IN THIS AREA ALONG WITH HOT-MIX ASPHALT SURFACE COURSE.

RATES OF APPLICATION

- BITUMINOUS MATERIALS (PRIME COAT) = 0.0015646 TONS/SO YD (AGG BASES)
- BITUMINOUS MATERIALS (PRIME COAT) = 0.0003129 TONS/SO YD (BIT BASES)
- AGGREGATE (PRIME COAT) = 0.0015 TONS/SO YD
- HMA SURFACE COURSE = 112 LBS/SO YD/INCH
- BITUMINOUS MATERIALS (COVER AND SEAL COAT) = 0.00146 TONS/SO YD
- COVER COAT AGGREGATE = 0.01 TONS/SO YD
- SEAL COAT AGGREGATE = 0.01 TONS/SO YD

HIGHWAY STANDARDS

COMMITMENTS

- 000001-06
- 442201-03
- 701001-02
- 701006-05
- 701011-04
- 701301-04
- 701306-03
- 701311-03
- 701326-04
- 701336-06
- 701701-09
- 701901-03
- 780001-04
- 781001-03
- 886001-01
- 886006-01

NONE

FILE NAME *	USER NAME *	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES, INDEX OF SHEETS STANDARDS AND COMMITMENTS	FILE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
0:\pe\work\spord\burnsdeem\02292075\76f67-shl-01.dgn	burnsdeem	DRAWN -	REVISED -			9094	11-XRS-4	MADISON	16	2	
PLOT SCALE - 100.0000 1/16"		CHECKED -	REVISED -			CONTRACT NO. 76F67					
PLOT DATE - 11/29/2013		DATE -	REVISED -			ILLINOIS FED. AID PROJECT					

REV. 1-7-14

SHOULDER SCHEDULE - LEFT

LOCATION		EARTH EXCAVATION (CU YD)	FILTER FABRIC (SQ YD)	POROUS GRANULAR EMBANKMENT, SPECIAL (TON)	AGGREGATE WEDGE SHOULDERS, TYPE B (TON)	BITUMINOUS SURFACE TREATMENT (CLASS A-2)				REMARKS
LEFT STATION TO STATION	WIDTH (FT)					BITUMINOUS MATERIALS (PRIME COAT) (TON)	BITUMINOUS MATERIALS (COVER AND SEAL COATS) (TON)	COVER COAT AGGREGATE (TON)	SEAL COAT AGGREGATE (TON)	
0+00 - 4+40	8				46	0.61	1.14	3.9	3.9	
4+40 - 5+00	8									S.R. (WEST 26TH ST)
5+00 - 6+10	8				11	0.15	0.29	1.0	1.0	
6+10 - 7+30	8									S.R. (LOGAN ST)
7+30 - 17+45	8				105	1.41	2.63	9.0	9.0	
17+45 - 17+90	8	11	40	10	5	0.06	0.12	0.4	0.4	
17+90 - 18+76	8									C.E. (unmarked)
18+76 - 21+15	8				25	0.33	0.62	2.1	2.1	
21+15 - 22+22	8	26	95	24	11	0.15	0.28	1.0	1.0	
22+22 - 23+12	8									C.E. (unmarked)
23+12 - 24+00	8				9	0.12	0.23	0.8	0.8	
24+00 - 28+05	8	100	360	90	42	0.56	1.05	3.6	3.6	
28+05 - 29+45	8									C.E. (KRAFT GATE 4)
29+45 - 30+63	8				12	0.16	0.31	1.0	1.0	
30+63 - 31+67	8									C.E. (KRAFT GATE 3)
31+67 - 34+60	8				30	0.41	0.76	2.6	2.6	
34+60 - 35+38	8									C.E. (KRAFT GATE 2)
35+38 - 40+16	8				50	0.66	1.24	4.2	4.2	
40+16 - 40+76	8									C.E. (KRAFT GATE 1)
40+76 - 41+25	8				5	0.07	0.13	0.4	0.4	
41+25 - 42+01	8									C.E. (NS RAILROAD)
42+01 - 43+61	8				17	0.22	0.42	1.4	1.4	
43+61 - 44+11	8									RAILROAD
44+11 - 46+50	8				25	0.33	0.62	2.1	2.1	
46+50 - 47+70	8									C.E. (TOTAL GATE 3)
47+70 - 52+39	8				49	0.65	1.22	4.2	4.2	
52+39 - 53+17	8									C.E. (TOTAL GATE 2)
53+17 - 55+59	8				25	0.34	0.63	2.2	2.2	
55+59 - 56+53	8									C.E. (TOTAL GATE 1)
56+53 - 58+01	8				15	0.21	0.38	1.3	1.3	
58+01 - 58+91	8									C.E. (DOLLAR-A-DAY)
58+91 - 61+03	8				22	0.29	0.55	1.9	1.9	
61+03 - 64+15	5				20	0.27	0.51	1.7	1.7	
64+15 - 65+45	5									S.R. (KONZEN CT)
65+45 - 72+51	5				46	0.61	1.15	3.9	3.9	
72+51 - 72+87	5									RAILROAD
72+87 - 76+17	5				21	0.29	0.54	1.8	1.8	
76+17 - 76+85	5									C.E. (unmarked)
76+85 - 82+97	5				40	0.53	0.99	3.4	3.4	
TOTAL		137	495	124	631	8.4	15.8	54	54	

RESURFACING SCHEDULE

LOCATION	HOT-MIX ASPHALT SURFACE REMOVAL 1 1/2"	HOT-MIX ASPHALT SURFACE REMOVAL 3"	BITUMINOUS MATERIALS (PRIME COAT)	AGGREGATE (PRIME COAT)	LEVELING BINDER (MACHINE METHOD) 11-9.5 FG N90, 1 1/2"	POLYMERIZED HOT MIX ASPHALT SURFACE COURSE MIX "D", N90, 1 1/2"	
STATION TO STATION	(SQ YD)	(SQ YD)	(TON)	(TON)	(TON)	(TON)	
0+00 - 1+05	461		0.14	0.7		39	
1+05 - 2+92	488		0.15	0.7		41	
2+92 - 43+61	10399		3.25	15.6		873	
43+61 - 44+11							RAILROAD OMISSION
44+11 - 61+03	4324		1.35	6.5		363	
61+03 - 72+51	2934		0.92	4.4		246	
72+51 - 72+87							RAILROAD OMISSION
72+87 - 79+00	1567		0.49	2.4		132	
79+00 - 79+23		61	0.04	0.2	5	5	
79+23 - 79+93		211	0.14	0.6	18	18	
79+93 - 81+40		568	0.36	1.8	48	48	
81+40 - 83+74		1040	0.66	3.2	87	87	
83+74 - 85+00		1081	0.68	3.2	91	91	
85+00 - 85+62							PONTOON ROAD OMISSION
85+62 - 87+20		1157	0.72	3.4	97	97	
87+20 - 89+56		1075	0.68	3.2	90	90	
89+56 - 92+08		910	0.56	2.8	76	76	
92+08 - 96+55	1391		0.44	2.1		117	
TOTAL	21564	6103	10.6	51	513	2324	



1-7-14