

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
328	*	WAYNE & WHITE	15	2
STA. 448+99		TO STA. 61+90		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

\* (104,105)RS-4, (108)RS-3

### GENERAL NOTES

THE THICKNESS OF HOT-MIX ASPHALT 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 HOT-MIX ASPHALT MIXTURE IS PLACED.

FACTORS USED FOR ESTIMATING PLAN QUANTITIES ARE AS FOLLOWS AND SHALL NOT BE USED FOR THE BASIS OF FINAL QUANTITIES:

ALL HOT-MIX ASPHALT	2.016 TONS / CU YD
ALL AGGREGATE	2.05 TONS / CU YD
BITUMINOUS MATERIALS:	
ON PAVEMENT	0.09 GAL / SQ YD
INTERMEDIATE LIFTS (FOG COAT)	0.04 GAL / SQ YD
ON AGGREGATE SURFACE	0.32 GAL / SQ YD
AGGREGATE (PRIME COAT)	0.0015 TONS / SQ YD
RIPRAP	1.50 TONS / CU YD

QUANTITIES SHOWN IN THE PLANS FOR PATCHING ARE ESTIMATES. THE ACTUAL AMOUNT OF PATCHING REQUIRED SHALL BE DETERMINED BY THE ENGINEER.

THE QUANTITY OF SHORT TERM PAVEMENT MARKING SHOWN IN THE PLANS IS BASED ON ONE APPLICATION EACH FOR THE PRIME COAT, SURFACE COURSE, AND BINDER COURSE.

STRIP REFLECTIVE CRACK CONTROL TREATMENT SHALL BE APPLIED AS DIRECTED BY THE ENGINEER.

THE COST OF REMOVING THE EXISTING RUMBLE STRIPS AT THE LOCATIONS SHOWN IN THE PLANS SHALL BE INCLUDED IN THE COST OF HOT-MIX ASPHALT SURFACE REMOVAL 1 1/2".

IF EXISTING SUB-BASE IS INADEQUATE, AS DETERMINED BY THE ENGINEER, THE SIDE ROADS SHALL BE CORED OUT AND AGGREGATE SUB-BASE, TYPE B SHALL BE PLACED FOR BASE. THE COST OF CORING OUT THE SIDE ROAD SHALL BE INCLUDED IN THE COST OF THE AGGREGATE BASE COURSE. IF EXISTING SUB-BASE IS DETERMINED TO BE ADEQUATE, THE AGGREGATE BASE COURSE SHALL BE DELETED AND THE PREPARATION OF THE BASE SHALL BE CONSTRUCTED ACCORDING TO ARTICLE 406.09.

THE QUANTITY SHOWN FOR MIXTURE FOR CRACKS, JOINTS AND FLANGWAYS IS AN ESTIMATE. THE ACTUAL AMOUNT USED WILL BE DETERMINED BY THE ENGINEER.

THE CONTRACTOR SHALL STAMP STATIONING IN THE PROPOSED BITUMINOUS SURFACE AT 300 FT. INTERVALS ON ALTERNATING SIDES OF THE PAVEMENT AND AS DIRECTED BY THE ENGINEER. THE STATION SYMBOL STAMPS USED SHALL BE FURNISHED BY THE CONTRACTOR. THEY SHALL BE 5 1/2 IN. TALL, OF A DESIGN APPROVED BY THE ENGINEER, AND SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.

UNLESS OTHERWISE DIRECTED BY THE ENGINEER, HOT-MIX ASPHALT RESURFACING SHALL BE PLACED IN A SEQUENCE THAT WILL MINIMIZE THE TIME THE CENTERLINE EDGE IS EXPOSED TO TRAFFIC. WHEN AT THE END OF A DAY'S OPERATION THE EXPOSED CENTERLINE EDGE IS GREATER THAN 2,000 FT., THE CONTRACTOR SHALL BE REQUIRED TO PAVE IN THE ADJACENT LANE ON THE FOLLOWING WORK DAY. PRIOR TO WINTER SHUTDOWN, RESURFACING ON ADJACENT LANES IS TO BE BROUGHT UP TO THE SAME ELEVATION.

PRIOR TO PLACEMENT OF THE FINAL PAVEMENT MARKINGS THE RESIDENT ENGINEER SHOULD CONTACT THE BUREAU OF OPERATIONS AND ARRANGE FOR INSPECTION AND APPROVAL OF THE PAVEMENT MARKING LAYOUT.

IN ADDITION TO THE REQUIREMENTS OF ARTICLE 107.16 THE CONTRACTOR SHALL PROTECT THE SURFACE OF ALL BRIDGE DECKS AND BRIDGE APPROACH PAVEMENTS IN A MANNER SATISFACTORY TO THE ENGINEER BEFORE ANY EQUIPMENT IS ALLOWED TO CROSS THE STRUCTURE. PROTECTION SHALL BE PROVIDED FOR ALL EQUIPMENT AS DEFINED IN ARTICLE 107.16 REGARDLESS IF TRACK MOUNTED OR WHEELED.

RECLAIMED ASPHALT PAVEMENT (RAP) WILL NOT BE ALLOWED FOR USE AS AGGREGATE IN AGGREGATE SHOULDERS, TYPE B.

### GENERAL NOTES (CONT'D)

ANY MIXING OR PLACEMENT OF HOT-MIX ASPHALT MIXTURES OCCURRING PRIOR TO THE TEST STRIP EVALUATION IS AT THE CONTRACTOR'S OWN RISK.

ALL EXISTING CURB AND GUTTER DAMAGED OR DESTROYED BY THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE IN A MANNER SATISFACTORY TO THE ENGINEER.

#### STRUCTURES WITHIN PROJECT LIMITS

STRUCTURE NUMBER	OPERATING RATING	INVENTORY RATING	POSTING
097-0019	39.7	24.7	NO POSTING REQUIRED
097-0020	36.1	20.0	NO POSTING REQUIRED
097-0021	41.2	25.6	NO POSTING REQUIRED
097-0022	42.2	26.3	LEGAL LOADS ONLY
097-0023	27.8	15.6	NO POSTING REQUIRED
097-0024	34.0	23.0	NO POSTING REQUIRED
097-0062	39.9	24.7	NO POSTING REQUIRED
097-0063	31.7	22.2	NO POSTING REQUIRED

### INDEX OF SHEETS

SHT. NO.	DESCRIPTION
1	COVER SHEET
2	INDEX OF SHEETS, GENERAL NOTES, STANDARDS, MIXTURE REQUIREMENTS, PAVEMENT CORES
3	SUMMARY OF QUANTITIES
4-8	TYPICAL SECTIONS
9-10	SCHEDULES OF QUANTITIES
11	DETAILS: SIDEROADS AND ENTRANCES
12	DETAILS: MILLING TRANSITION TO INLAY AREAS, STRUCTURES
13	DETAILS: TEMPORARY HOT-MIX ASPHALT TRANSITIONS, BUTT JOINT, UNEVEN LANES SIGN, ROUGH GROOVED SURFACE SIGN
14	DETAILS: IL 14 INTERSECTION, SIDEROAD RAMPS, RUMBLE STRIPS
15	DETAIL: DIAGRAM OF ENTIRE PROJECT

### STANDARDS

- 442201-02
- 630001-07
- 630301-04
- 635006-02
- 701006-02
- 701011-01
- 701301-02
- 701306-01
- 701311-02
- 701336-04
- 702001-06
- 780001-01
- 781001-02
- 701316-03

### COMMITMENTS

NONE

### MIXTURE REQUIREMENTS

LOCATION(S):	HOT-MIX ASPHALT SURFACE COURSE, LEVELING BINDER, AND INCIDENTAL HOT-MIX ASPHALT SURFACING
MIXTURE USE(S):	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N90
AC/PG:	PG64-22
RAP% (MAX):	10
DESIGN AIR VOIDS:	4.0%, 90 GYRATION SUPERPAVE DESIGN
MIXTURE COMPOSITION: (GRADATION MIXTURE)	IL-9.5 MM OR IL 12.5 MM
FRICTION AGGREGATE:	C SURFACE

LOCATION(S):	HOT-MIX ASPHALT SHOULDERS
MIXTURE USE(S):	HOT-MIX ASPHALT SHOULDERS
AC/PG:	PG58-22
RAP% (MAX):	50
DESIGN AIR VOIDS:	2.0%, 30 GYRATION SUPERPAVE DESIGN
MIXTURE COMPOSITION: (GRADATION MIXTURE)	BITUMINOUS AGGREGATE MIXTURE, SUPERPAVE
FRICTION AGGREGATE:	NONE

LOCATION(S):	CLASS D PATCHES
MIXTURE USE(S):	HOT-MIX ASPHALT BINDER COURSE, MIX "B", N90
AC/PG:	PG64-22
RAP% (MAX):	10
DESIGN AIR VOIDS:	4.0%, 90 GYRATION SUPERPAVE DESIGN
MIXTURE COMPOSITION: (GRADATION MIXTURE)	IL-19.0 MM
FRICTION AGGREGATE:	NONE

### PAVEMENT CORES

STATION	OFFSET	DESCRIPTION
469+00	11' RT	19 1/2" BIT
472+60	12' LT	13" BIT
602+50	12' RT	19 1/2" BIT
692+00	11' LT	19 1/2" BIT
715+00	12' RT	17" BIT
16+45	12' LT	9 1/2" BIT; 7 1/2" PCC
17+50	12' RT	17 1/2" BIT
61+47	11' LT	7" BIT; 9" PCC

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DISTRICT STUDIES & PLANS ENGINEER

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DISTRICT LAND ACQUISITION ENGINEER

Examined By: *Carrie Nelson*  
DISTRICT PROGRAM DEVELOPMENT ENGINEER

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DISTRICT OPERATIONS ENGINEER

Examined By: *Joseph Legier*  
DISTRICT CONSTRUCTION ENGINEER

Examined By: *Bruce Soble*  
DISTRICT MATERIALS ENGINEER

Examined By: *John Smothers*  
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Approved By: *Mary Hammi*  
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

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