

ROUTE NO.	SECTION	COUNTY	SHEET NO.	TOTAL SHEETS
FAU 9713	99-02118-00-FP	JACKSON	122	15
FED. ROAD DIST. NO.		ILL. PROJ. NO.	FED. AID PROJECT-	

CONTRACT NO. 99219

MIXTURE REQUIREMENTS	
LOCATION(S):	EAST PLEASANT HILL ROAD, GIANT CITY ROAD, WARREN ROAD
MIXTURE USE(S):	HOT-MIX ASPHALT SURFACE
AC/PG:	PG 64-22
RAP % (MAX):	10%
DESIGN AIR VOIDS:	4% @ NDes 70
MIXTURE COMPOSITION: (GRADATION MIXTURE):	IL 9.5 OR IL 12.5
FRICTION AGGREGATE:	MIXTURE D
MIXTURE WEIGHTS	112 LBS/SY/INCH THICKNESS

MIXTURE REQUIREMENTS	
LOCATION(S):	DRIVEWAYS
MIXTURE USE(S):	INCIDENTAL HOT-MIX ASPHALT SURFACING
AC/PG:	PG 64-22
RAP % (MAX):	15%
DESIGN AIR VOIDS:	4% @ NDes 70
MIXTURE COMPOSITION: (GRADATION MIXTURE):	IL 9.5 OR IL 12.5
FRICTION AGGREGATE:	MIXTURE C
MIXTURE WEIGHTS	112 LBS/SY/INCH THICKNESS

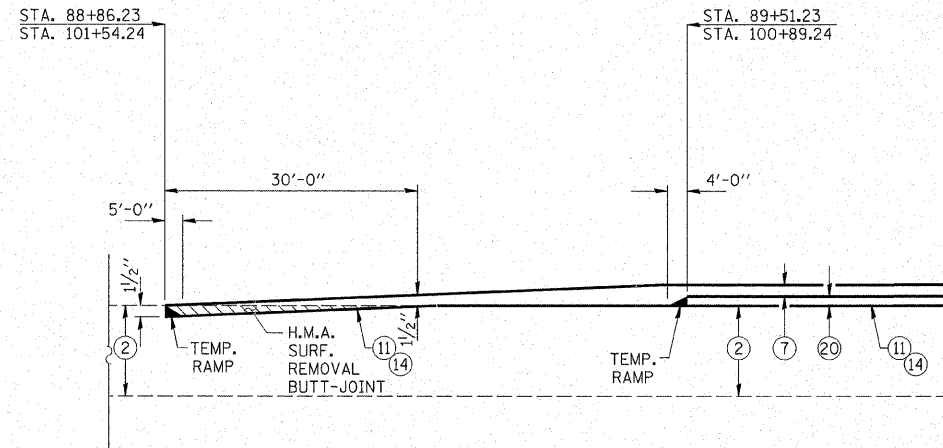
MIXTURE REQUIREMENTS	
LOCATION(S):	EAST PLEASANT HILL ROAD, GIANT CITY ROAD, WARREN ROAD
MIXTURE USE(S):	HOT-MIX ASPHALT BINDER COURSE
AC/PG:	PG 64-22
RAP % (MAX):	15%
DESIGN AIR VOIDS:	4% @ NDes 70
MIXTURE COMPOSITION: (GRADATION MIXTURE):	IL 19.0
FRICTION AGGREGATE:	NONE
MIXTURE WEIGHTS	112 LBS/SY/INCH THICKNESS

MIXTURE REQUIREMENTS	
LOCATION(S):	GIANT CITY ROAD
MIXTURE USE(S):	HOT-MIX ASPHALT BASE COURSE
AC/PG:	PG 58-22
RAP % (MAX):	25%
DESIGN AIR VOIDS:	4% @ NDes 70
MIXTURE COMPOSITION: (GRADATION MIXTURE):	IL 19.0
FRICTION AGGREGATE:	NONE
MIXTURE WEIGHTS	112 LBS/SY/INCH THICKNESS

MIXTURE REQUIREMENTS	
LOCATION(S):	GIANT CITY ROAD
MIXTURE USE(S):	LEVELING BINDER (MACHINE METHOD)
AC/PG:	PG 64-22
RAP % (MAX):	10%
DESIGN AIR VOIDS:	4% @ NDes 70
MIXTURE COMPOSITION: (GRADATION MIXTURE):	IL 9.5 OR IL 12.5
FRICTION AGGREGATE:	NONE
MIXTURE WEIGHTS	112 LBS/SY/INCH THICKNESS

MIXTURE REQUIREMENTS	
LOCATION(S):	GIANT CITY ROAD
MIXTURE USE(S):	HOT-MIX ASPHALT SHOULDERS (BOTTOM LIFT)
AC/PG:	PG 58-22
RAP % (MAX):	25%
DESIGN AIR VOIDS:	4% @ NDes 70
MIXTURE COMPOSITION: (GRADATION MIXTURE):	IL 19.0
FRICTION AGGREGATE:	-
MIXTURE WEIGHTS	112 LBS/SY/INCH THICKNESS

MIXTURE REQUIREMENTS	
LOCATION(S):	GIANT CITY ROAD
MIXTURE USE(S):	HOT-MIX ASPHALT SHOULDERS (TOP LIFT)
AC/PG:	PG 64-22
RAP % (MAX):	10%
DESIGN AIR VOIDS:	4% @ NDes 70
MIXTURE COMPOSITION: (GRADATION MIXTURE):	IL 9.5 OR IL 12.5
FRICTION AGGREGATE:	MIXTURE D
MIXTURE WEIGHTS	112 LBS/SY/INCH THICKNESS



BUTT JOINT GIANT CITY ROAD DETAIL

LEGEND

- ① EXISTING AGGREGATE BASE
 - ② EXISTING BITUMINOUS PAVEMENT
 - ③ EXISTING BITUMINOUS AGGREGATE MIXTURE SHOULDER
 - ④ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
 - ⑤ HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70 (2 1/4" THICKNESS)
 - ⑥ AGGREGATE BASE COURSE, TYPE A (8" THICKNESS)
 - ⑦ HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (2" THICKNESS)
 - ⑧ HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70 (3 3/4" THICKNESS)
 - ⑨ AGGREGATE SHOULDERS, TYPE A (6" THICKNESS)
 - ⑩ BITUMINOUS MATERIALS (PRIME COAT)
 - ⑪ AGGREGATE BASE COURSE, TYPE A (4" THICKNESS)
 - ⑫ AGGREGATE (PRIME COAT)
 - ⑬ HOT-MIX ASPHALT BASE COURSE, (8" THICKNESS)
 - ⑭ HOT-MIX ASPHALT SHOULDER 6"
 - ⑮ STRIP REFLECTIVE CRACK CONTROL
 - ⑯ LEVELING BINDER (MACHINE METHOD) N70 (VARIABLE DEPTH) (1 1/4" MIN)
 - ▨ BITUMINOUS CONCRETE SHOULDER REMOVAL (INCIDENTAL TO EARTH EXCAVATION)
- * S.E. SLOPE OR 4.0% WHICHEVER IS GREATER
- ** ALGEBRAIC DIFFERENCE BETWEEN SHOULDER SLOPE AND SUPERELEVATION RATE NOT TO EXCEED 8.0% WITH A MAXIMUM SLOPE OF 4.0%

	Rice, Berry and Associates A Division of Hampton, Lenzini and Renwick, Inc. Civil & Structural Engineers 801 S. Durkin Drive Springfield, Illinois 62704 217-546-3400	MIXTURE REQUIREMENTS SECTION 99-02118-00-FP F.A.U. 9713 / EAST PLEASANT HILL ROAD JACKSON COUNTY
	Account Number 03-47-0001-1	
	Date: 10-09-06	
	DESIGNED: L.F.S. CHECKED: S.W.M. DRAWN: W.J.S.	