

C. & G. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
853	*	FRANKLIN	27	3
STA.		TO STA.		
FED. ROAD DIST. NO.	ALIGNED	FED. AID PROJECT		
*DS SMARTY FY 2004-1				C.N. 98772

GENERAL NOTES

THE THICKNESS OF BITUMINOUS 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 BITUMINOUS MIXTURE IS PLACED.

FACTORS USED FOR ESTIMATING PLAN QUANTITIES ARE AS FOLLOWS AND SHALL NOT BE USED FOR THE BASIS OF FINAL QUANTITIES EXCEPT FOR OC/QA OF BITUMINOUS MIXTURES:

ALL BITUMINOUS CONCRETE.....2.016 TONS/CU.YD.
 ALL AGGREGATE.....2.05 TONS/CU.YD.
 BITUMINOUS MATERIALS (PRIME COAT)
 ON PAVEMENT.....0.09 GALS./SQ. YD.
 ON AGG. SURFACE.....0.32 GALS./SQ. YD.
 AGGREGATE (PRIME COAT).....0.0015 TONS/SQ. YD.

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

THE PROPOSED "NO PASSING ZONES", SHOWN IN THE SCHEDULE IN THE PLANS, SHALL BE STAKED PRIOR TO THE START OF RESURFACING SO THAT THEY CAN BE REVIEWED AND APPROVED BY A REPRESENTATIVE OF THE TRAFFIC SECTION.

THE DISTRICT BUREAU OF OPERATIONS SHALL BE NOTIFIED AT LEAST 10 DAYS PRIOR TO PLACEMENT OF THE FINAL PAVEMENT MARKINGS. THE BUREAU OF OPERATIONS WILL THEN DETERMINE THE ACTUAL LIMITS TO BE STRIPED AS "NO PASSING" ZONES.

THE CONTRACTOR SHALL STAMP STATIONING IN THE PROPOSED BITUMINOUS MATS 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" TALL OF A DESIGN APPROVED BY THE ENGINEER AND SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.

AT ALL LOCATIONS WHERE THE PROPOSED BITUMINOUS OR CONCRETE PAVEMENT JOINS AN EXISTING BITUMINOUS OR CONCRETE PAVEMENT, A FULL DEPTH SAWED JOINT SHALL BE CONSTRUCTED. THE COST OF THIS JOINT WILL BE INCLUDED IN THE COST OF THE TYPE OF PAVEMENT BEING CONSTRUCTED.

UNLESS OTHERWISE DIRECTED BY THE ENGINEER, BITUMINOUS RESURFACING SHALL BE PLACED IN A SEQUENCE THAT WILL MINIMIZE THE TIME THE CENTER-LINE EDGE IS EXPOSED TO TRAFFIC.

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

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

PROPOSED AGGREGATE SHOULDERS, TYPE B SHALL BUTT INTO EXISTING BITUMINOUS SHOULDERS AT EXISTING STRUCTURES WHERE BITUMINOUS SHOULDERS ARE PRESENT. SEE BUTT JOINT DETAILS FOR BRIDGES ON SHEET 22.

THERE IS ONE RAILROAD CROSSING WITHIN THE LIMITS OF THESE PLANS AT STA. 17+82 IN BENTON. THE UNION PACIFIC RAILROAD COMPANY HAS A MAXIMUM OF 23 FREIGHTS AT 60MPH PER DAY AT THIS CROSSING. MR. DAVID MCKERNAN IS THEIR CONTACT AND MAY BE REACHED AT 210 N. 13TH ST., ST. LOUIS, MO. 62103-2388, TEL. PH. NO. 314-216-6082.

BITUMINOUS MIXTURE DESIGNS SHALL BE PREPARED AS DIRECTED BELOW:

FOR ILL. RTE. 14 WITHIN BENTON CITY LIMITS:

Mixture Use(s):	Polymerized Bituminous Concrete Surface Course (Superpave), Mix. D, N105
AC/PG:	SBS PG76-22
RAP % (Max.):	0
Design Air Voids:	4.0%, 105 Gyration Superpave Design
Mixture Composition: (Gradation Mixture)	IL-9.5mm or IL-12.5 mm
Friction Aggregate:	Mixture D

FOR ILL. RTE. 14 OUTSIDE BENTON CITY LIMITS:

Mixture Use(s):	Bituminous Concrete Surface Course (Superpave), Mix. C, N90
AC/PG:	PG64-22
RAP % (Max.):	10
Design Air Voids:	4.0%, 90 Gyration Superpave Design
Mixture Composition: (Gradation Mixture)	IL-9.5mm or IL-12.5 mm
Friction Aggregate:	Mixture C

PATCHING REQUIREMENTS:

Mixture Use(s):	Bituminous Concrete Surface Course (Superpave), N90
AC/PG:	PG64-22
RAP % (Max.):	10
Design Air Voids:	4.0%, 90 Gyration Superpave Design
Mixture Composition: (Gradation Mixture)	IL-19.0mm
Friction Aggregate:	None

FOR SIDE ROADS AND ENTRANCES:

Pay Item:	Incidental Bituminous Surface
Mixture Use(s):	Bituminous Concrete Surface Course (Superpave), Mix. C, N90
AC/PG:	PG64-22
RAP % (Max.):	10
Design Air Voids:	4.0%, 90 Gyration Superpave Design
Mixture Composition: (Gradation Mixture)	IL-9.5mm or IL-12.5 mm
Friction Aggregate:	Mixture C