

***Bourbon***

**3-6 KA 5088-01**

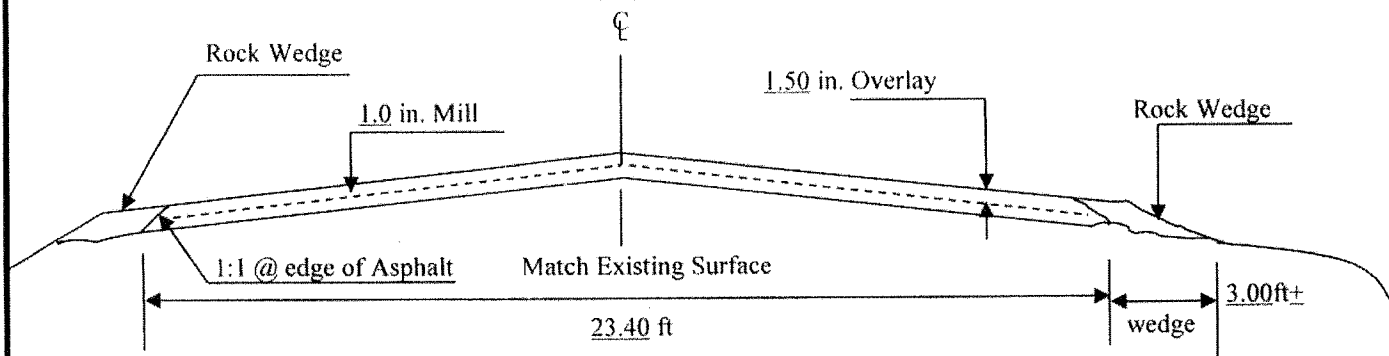
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Project No. 3- 6 KA 5088-01

**Note**

- 1 A small stockpile of material milled from the project is available for use in developing preliminary mix designs for bidding purposes. The stockpile is located at KDOT's mixing strip on K-39 between the K-3 and K-7 junctions. Contractors can obtain a sample at their convenience. A single stockpile is present for this project and the Bourbon Co. portion of K-39 as the surfacing present on both sections of roadway is the same. The stockpile is marked with a sign noting that it was obtained from K-39 in Bourbon Co. (K39-6).
- 2 Contractor must mill and inlay any section of the roadway on the same day. No traffic will be allowed on the milled surface and the contractor must have a contingency plan in case of bad weather and/or equipment breakdown.
- 3 Quantities for the milling are based on a 1" nominal depth and a unit weight of 145 lbs./cubic feet. The milling depth may be decreased if the actual unit weight is more than 145 lbs./cubic feet, but will not be increased if the unit weight is less than 145 lbs./cubic feet. The maximum milling depth will be 1".
- 4 When milling mainline areas, a full width mill head will be required to maintain cross slope of the existing lane being milled in one pass. A smaller mill head will be allowed on miscellaneous areas as approved by the engineer but will not be allowed to perform mainline milling.
- 5 Milling thickness shall be adjusted at bridge approaches and grade crossings to allow a reasonable transition.
- 6 The contractor is responsible for establishing and maintaining centerline of traveled way for the duration of the project. Splitting the traveled way with a tape measure is an acceptable technique to establish centerline.
- 7 Milling: All millings shall become the property of the contractor and shall be disposed of at a site approved by the Engineer.

**TYPICAL SECTION**



not to scale

- Typical slope 1.56 % on tangents and on super-elevated sections to match existing super or as directed by the Engineer.
- Existing surface may be irregular and contain edge ruts. Contractor to fill to finished slope. Material for wedges shall be furnished by the contractor and paid for as "Pavement Edge Wedge (Rock)".
- To allow for a reasonable transition the overlay is to be tapered approximately three feet at all paved side roads and entrances (except those that are approved to be fully paved).

**ROADWAY WIDTHS**

Location	Feet	Approx. Width	Location	mile	Approx. Width
315+26.88 Start of Project		23.40			
341+88 End of Project		23.40			

**RATE OF APPLICATION**

Quantity based on SR- 12.5A @0.0816 Ton/yd<sup>2</sup>  
 PG 64 - 22

SS-1HP or approved alternate shall be used for Tack.

Edge Wedge (Rock) @150 lb/ft<sup>3</sup>

**SUMMARY OF TRAFFIC CONTROL DEVICES  
(FOR INFORMATION ONLY)**

All traffic control devices shall be placed in accordance with the applicable KDOT Traffic Control Standards. The contractor shall provide all signs and other traffic control devices for proper traffic control of all construction activities. Quantities listed are estimates only. Contractor operations may require additional signs and traffic control devices, this will be subsidiary to the bid item traffic control.

WORK ZONE SIGNS *			
SIGN NO.	SIZE - SQ. FT.		
	0-9.25	9.26-16.25	16.26 & OVER
R2-1			
R4-1	4		
W3-4		4	
W3-5			
W8-11			
W14-3		4	
W20-1		6	
W20-4		4	
W20-5			
W20-7		6	
W21-5			
KG20-5	6		
W8-15		2	
W8-15p	2		
W1-4R		2	
W13-1	2		
KM4-20			
KG20-2	8		
KI-104a			
KI-105a			

LIGHTED DEVICES *	
WORK ZONE WARNING LIGHT (TYPE "A" LOW INTENSITY)	
WORK ZONE WARNING LIGHT (RED TYPE "B" HIGH INTENSITY)	
ARROW DISPLAY	
PORTABLE CHANGEABLE MESSAGE SIGN	

BARRICADES *		CHANNELIZING DEVICES *		
TYPE III (4' TO 12')	PEDESTRIAN	FIXED	PORTABLE	PEDESTRIAN
			72	

**SUMMARY OF TRAFFIC CONTROL DEVICES  
(EACH)**

WORK ZONE SIGN (SPECIAL)		
SIGN NO.	16.25 SQ. FT. & LESS	16.26 SQ. FT. & OVER

RECAPITULATION OF QUANTITIES		
ITEM	QUANTITY	UNIT
WORK ZONE SIGNS (0 TO 9.25 SQ. FT.)		EADA
WORK ZONE SIGNS (9.26 TO 16.25 SQ. FT.)		EADA
WORK ZONE SIGNS (16.26 SQ. FT. & OVER)		EADA
WORK ZONE BARRICADES (TYPE 3 - 4' TO 12')		EADA
WORK ZONE BARRICADES (PEDESTRIAN)		EADA
CHANNELIZER (FIXED)		EADA
CHANNELIZER (PORTABLE)		EADA
CHANNELIZER (PEDESTRIAN)		EADA
WORK ZONE WARNING LIGHT (TYPE "A" LOW INTENSITY)		EADA
WORK ZONE WARNING LIGHT (RED TYPE "B" HIGH INTENSITY)		EADA
ARROW DISPLAY		EADA
PORTABLE CHANGEABLE MESSAGE SIGN		EADA
PAVEMENT MARKING (TEMPORARY)		
4" SOLID (TYPE I)		STA./LINE
4" SOLID (TYPE II)		STA./LINE
4" BROKEN (8")(TYPE I)		STA./LINE
4" BROKEN (8")(TYPE II)		STA./LINE
4" BROKEN (3")(TYPE I)		STA./LINE
4" BROKEN (3")(TYPE II)		STA./LINE
4" DOTTED EXTENSION (TYPE I)		STA./LINE
4" DOTTED EXTENSION (TYPE II)		STA./LINE
SOLID (LINE MASKING TAPE)		STA./LINE
BROKEN (LINE MASKING TAPE)		STA./LINE
SYMBOL (TYPE I)		EACH
SYMBOL (TYPE II)		EACH
FLEXIBLE RAISED PAVEMENT MARKERS (4" BROKEN (8"))		STA./LINE
FLEXIBLE RAISED PAVEMENT MARKERS (4" BROKEN (3"))	26.6	STA./LINE
PAVEMENT MARKING REMOVAL		LIN. FT.
CONCRETE SAFETY BARRIER (TYPE F3) (TEMPORARY)		LIN. FT.
CONCRETE SAFETY BARRIER (TYPE F3) (TEMP.-INSTALL ONLY)		LIN. FT.
CONCRETE SAFETY BARRIER (TYPE F3) (TEMP.-RELOCATE)		LIN. FT.
INERTIAL BARRIER SYSTEM		EACH
REPLACEMENT MODULES (IBS)		EACH
WORK ZONE SIGN (SPECIAL) (16.25 SQ. FT. & LESS)		EACH
WORK ZONE SIGN (SPECIAL) (16.26 SQ. FT. & OVER)		EACH
RIGID RAISED PAVEMENT MARKER (TYPE I)		EACH
RIGID RAISED PAVEMENT MARKER (TYPE II)		EACH
TRAFFIC SIGNAL INSTALLATION (TEMPORARY)		LUMP SUM
TRAFFIC CONTROL (INITIAL SET UP)		LUMP SUM
TRAFFIC CONTROL	LUMPSUM	LUMP SUM
FLAGGER (SET PRICE)	1	HOURL

NOTES: Quantities shown represent 2 setups for signs and cones based on TE 731.

3				
2				
1	11/10/16	Removed Replacement Modules Summary Table, Added "IBS" to Replacement Modules description	JGB	
NO.	DATE	REVISIONS	BY	APP'D

KANSAS DEPARTMENT OF TRANSPORTATION

**TRAFFIC CONTROL  
SUMMARY OF DEVICES  
RECAPITULATION OF QUANTITIES**

**TE796**

FHWA APPROVAL		06/01/16	APP'D	Kristina Erickson
DESIGNED	B.A.H.	DETAILED	R.W.B.	QUANTITIES
DESIGN CK.		DETAIL CK.		QUAN. CK.
				TRACED
				TRACE CK.