



COMMONWEALTH OF KENTUCKY
TRANSPORTATION CABINET
www.transportation.ky.gov/

Andy Beshear
GOVERNOR

Jim Gray
SECRETARY

May 14, 2021

CALL NO. 306
CONTRACT ID NO. 212140
ADDENDUM # 1

Subject: Estill County, FD05 033 0082 000-004
Letting May 21, 2021

- (1) Added - Special Notes for Temporary Portable Rumble Strips
- Pages 15(a)- 15(b) of 49
- (2) Revised - Proposal Bid Items - Page 49 of 49

Proposal revisions are available at <http://transportation.ky.gov/Construction-Procurement/>.

If you have any questions, please contact us at 502-564-3500.

Sincerely,

Rachel Mills,

A handwritten signature in cursive script that reads "Rachel Mills".

Rachel Mills, P.E.
Director
Division of Construction Procurement

RM:mr
Enclosures

SPECIAL NOTE FOR TEMPORARY PORTABLE RUMBLE STRIPS

This Special Note will apply when indicated on the plans or in the proposal.

1.0 DESCRIPTION. Furnish, install, relocate, maintain, and remove temporary portable rumble strips at the locations shown on the plans or designated by the Engineer. Remove and retain possession of temporary portable rumble strips when they are no longer needed on the project.

2.0 MATERIALS.

2.1 General.

Furnish a portable rumble strip system to be used in a transverse installation ~~used~~ within a travel lane. The color of the rumble strip shall only be white, black, or orange and shall not match the color of the pavement. The Contractor will be allowed at their option to use a combination of the color options (i.e. orange, black, orange or white, black, white etc.) or a continuous solid color that does not match the color of the pavement in each transverse installation to delineate the rumble strips to the traveling public. The Contractor shall submit for approval, product literature, and all necessary certifications to the Department prior to use of the product.

3.0 Construction.

Provide rumble strips where the plans show or as directed by the Resident as follows:

1. Prior to placing rumble strips, clean the roadway of sand and other materials that may cause slippage.
2. Place one end of the rumble strips 6 inches from the roadway centerline. Extend the strips perpendicular to the direction of travel. Ensure strips lay flat on the roadway surface. Spacing of the rumble strip strips will be per the manufacturer’s recommendation.
3. Only one group of rumble strips, placed before the first work zone, is required per direction of travel for multiple work zones spaced 1 mile or less apart. Work zones spaced greater than 1 mile apart require a separate group of rumble strips. Each lane shall use one group of temporary rumble strips. Additional rumble strip groups may be added at the discretion of the Engineer.
4. The use of rumble strips will require an additional work zone sign stating “Caution Rumble Strips” or “Rumble Strips Ahead” in the approach sign package meeting all applicable MUTCD guidelines. The use of the temporary rumble strips and work zone signage will be discussed in the Contractor’s traffic control plan.
5. For flagging situations, the Temporary Portable Rumble Strip Group is to be advanced with the flagger.

4.0 Maintenance.

Maintain temporary portable rumble strips during the time of use:

1. If rumble strips slide, become out of alignment, or are no longer in the wheel path of approaching vehicles during the work period, thoroughly clean both sides of the rumble strips and reset on a clean roadway.
2. Repair or replace damaged rumble strips immediately.

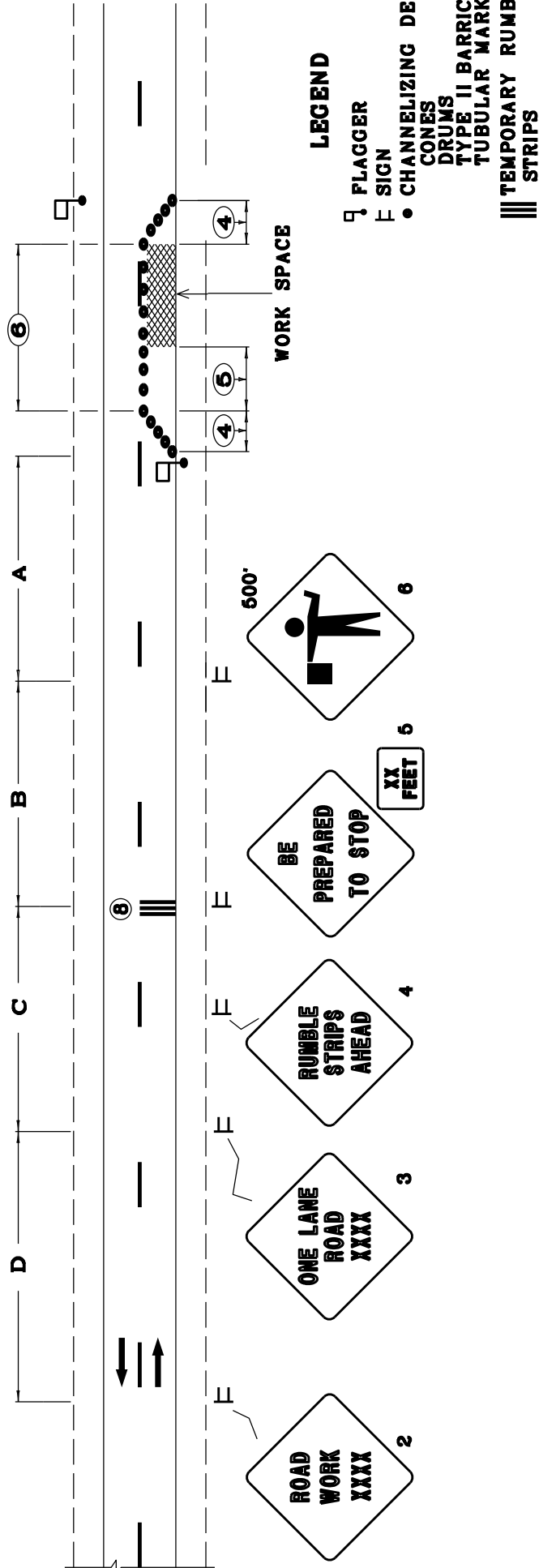
5.0 MEASUREMENT

The Department will measure temporary portable rumble strips as one group, per lane. A group shall be considered 3 full single lane width of rumble strips.

6.0 PAYMENT

The Department will pay for the quantity of temporary portable rumble strips at the contract unit price per group. Payment is full compensation for providing, relocating, maintaining or replacing, and removing temporary portable rumble strips.

<u>Code</u>	<u>Pay Item</u>	<u>Pay Unit</u>
24818EC	Temporary Rumble Strips	Each



~ NOTES ~

1. THE SIZE OF SIGNS 2 THRU 5 SHALL BE 48" X 48" WITH 30" X 24" SUPPLEMENTAL PLAQUES FOR EXPRESSWAYS/FREEWAYS. THE MINIMUM SIZE OF SIGNS 2 THRU 5 SHALL BE 36" X 36" WITH 24" X 18" SUPPLEMENTAL PLAQUES FOR OTHER ROADWAYS.
2. THE FLAGGERS SHALL BE IN SIGHT OF EACH OTHER OR IN DIRECT COMMUNICATION AT ALL TIMES. FLAGGER STATIONS SHALL BE LOCATED FAR ENOUGH IN ADVANCE OF THE ACTIVITY AREA SO THAT APPROACHING ROAD USERS WILL HAVE SUFFICIENT DISTANCE TO STOP BEFORE ENTERING THE WORK SPACE. ILLUMINATION SHALL BE PROVIDED TO MARK FLAGGER STATIONS AT NIGHT.
3. DRUMS OR TYPE II BARRICADES SHALL BE USED IN LIEU OF CONES OR TUBULAR MARKERS IF CLOSURE EXTENDS INTO NIGHTTIME HOURS.
4. TAPERS SHALL BE 60' (MIN) TO 100' (MAX) IN LENGTH. SPACING OF CHANNELIZING DEVICES SHOULD BE 20' THRU THE TAPER AREAS.
5. BUFFER SPACE (OPTIONAL). IF USED, THE BUFFER SPACE SHOULD BE EXTENDED SO THAT THE TWO-WAY TRAFFIC TAPER IS PLACED BEFORE A HORIZONTAL OR CREST VERTICAL CURVE TO PROVIDE ADEQUATE SIGHT DISTANCE FOR THE FLAGGER AND A QUEUE OF STOPPED VEHICLES. REFER TO TABLE 6C-2 OF THE MUTCD FOR GUIDANCE ON BUFFER SPACE LENGTH.
6. SPACING OF CHANNELIZING DEVICES THRU THE ACTIVITY AREA SHOULD BE 60'. ON ROADWAYS WITH WIDTHS LESS THAN 20 FEET, CHANNELIZING DEVICES MAY BE OMITTED THRU THE ACTIVITY AREA BASED ON ENGINEERING JUDGMENT.
7. WHEN NIGHTTIME WORK IS BEING PERFORMED, FLOODLIGHTS SHOULD BE USED TO ILLUMINATE THE WORK AREA.
8. EACH RUMBLE STRIP GROUP SHALL CONSIST OF THREE RUMBLES SPACED AS PER MANUFACTURER'S RECOMMENDATION

BID ITEMS AND UNIT TO BID

LANE CLOSURE EACH
BARRICADE-TYPE I EACH
REFER TO SECTION 112 OF STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, CURRENT EDITION.

SIGNING AND SPACING TABLE				
ROAD TYPE	A	B	C	D
EXPRESSWAY/ FREEWAY	1000'	600'	1100'	2600'
SP. LT. ≥46 MPH	600'	600'	600'	1100'
SP. LT. <40 MPH	250'	250'	250'	250'

APPLICATION

THIS DRAWING APPLIES TO LANE CLOSURES ON TWO-LANE, TWO DIRECTION HIGHWAYS UTILIZING TEMPORARY RUMBLE STRIPS

DRAWING NOT TO SCALE

KENTUCKY
DEPARTMENT OF HIGHWAYS

TEMPORARY
RUMBLE STRIPS

TO BE USED WITH
STANDARD DRAWING
TTC-100

ADDRESS ADDENDUM #1: 5-14-21
Contract ID: 212140
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PROPOSAL BID ITEMS

212140

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Report Date 5/14/21

Section: 0001 - PAVING

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0010	00190		LEVELING & WEDGING PG64-22	438.00	TON		\$	
0020	00301		CL2 ASPH SURF 0.38D PG64-22	3,195.00	TON		\$	
0030	00356		ASPHALT MATERIAL FOR TACK	29.00	TON		\$	
0040	02562		TEMPORARY SIGNS	570.00	SQFT		\$	
0050	02650		MAINTAIN & CONTROL TRAFFIC	1.00	LS		\$	
0060	02671		PORTABLE CHANGEABLE MESSAGE SIGN	3.00	EACH		\$	
0070	02676		MOBILIZATION FOR MILL & TEXT	1.00	LS		\$	
0080	02677		ASPHALT PAVE MILLING & TEXTURING	30.00	TON		\$	
0090	02697		EDGELINE RUMBLE STRIPS	43,190.00	LF		\$	
0100	03240		BASE FAILURE REPAIR	535.00	SQYD		\$	
0110	06510		PAVE STRIPING-TEMP PAINT-4 IN	45,000.00	LF		\$	
0120	06515		PAVE STRIPING-PERM PAINT-6 IN	86,380.00	LF		\$	
0130	06568		PAVE MARKING-THERMO STOP BAR-24IN	15.00	LF		\$	
0140	10020NS		FUEL ADJUSTMENT	5,655.00	DOLL	\$1.00	\$	\$5,655.00
0150	10030NS		ASPHALT ADJUSTMENT	14,204.00	DOLL	\$1.00	\$	\$14,204.00
0155	24818EC		TEMPORARY RUMBLE STRIPS (ADDED: 5-14-21)	2.00	EACH		\$	

Section: 0002 - DEMOBILIZATION

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0160	02569		DEMOBILIZATION	1.00	LS		\$	