



**TRANSPORTATION CABINET**

Frankfort, Kentucky 40622  
www.transportation.ky.gov/

**Steven L. Beshear**  
Governor

**Michael W. Hancock, P.E.**  
Secretary

July 3, 2014

CALL NO. 412  
CONTRACT ID NO. 141242  
ADDENDUM # 2

Subject: Various Counties, 121GR14D042-FD04  
Letting July 11, 2014

- (1) Revised - Special Notes - Pages 20 & 53-57 of 138
- (2) Revised - Bid Items - Pages 137-138 of 138

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

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

Sincerely,

A handwritten signature in blue ink that reads "Diana Castle Radcliffe".

Diana Castle Radcliffe  
Director  
Division of Construction Procurement

DR:ks  
Enclosures



An Equal Opportunity Employer M/F/D



## **TRAFFIC CONTROL PLAN**

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### **LYON, CALDWELL, TRIGG COUNTIES I-24 Item No. 1-2043.00**

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## **TRAFFIC CONTROL PLAN**

### **LYON, CALDWELL, TRIGG COUNTIES I-24**

#### **Item No. 1-2043.00**

#### **THIS PROJECT IS A FULLY CONTROLLED ACCESS HIGHWAY**

#### **TRAFFIC CONTROL GENERAL**

Except as provided herein, maintain and control traffic in accordance with the Standard Specifications and the Standard Drawings, current editions. Except for the roadway and traffic control bid items listed, all items of work necessary to maintain and control traffic will be paid at the lump sum bid price to "**MAINTAIN AND CONTROL TRAFFIC**", lump sum.

Contrary to Section 106.01, furnish new, or used in like new condition, traffic control devices at the beginning of the work and maintain in like new condition until completion of the work. Traffic control devices will conform to current MUTCD.

Reduce the speed limit in work areas by 10 miles per hour and establish double fines for work zone speeding violations. The extent of these areas within the project limits will be restricted to the proximity of actual work areas as determined by the Engineer. Notify the Engineer a minimum of 12 hours prior to using the double fine signs. At the beginning of the work zone, the "WARNING FINE DOUBLED IN WORK ZONE" signs will be dual mounted. At the end of the work zone, the "END DOUBLE FINE" signs will be dual mounted as well. Remove or cover the signs when the highway work zone does not have workers present for more than a two hour period of time. Payment for the signs will be at the unit bid price for signs erected. Any relocation or covering of the signs will be incidental to "**MAINTAIN AND CONTROL TRAFFIC**", lump sum.

Night work will be allowed on this project. Obtain approval from the Engineer for the method of

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lighting prior to its use.

**PROJECT PHASING & CONSTRUCTION PROCEDURES**

Maintain all lanes open to traffic and perform no work during the following hours:

Labor Day Weekend: August 30<sup>th</sup> – September 1<sup>st</sup>

The Engineer may specify additional day and hours when lane closures will not be allowed. Traffic may be reduced to one lane in each direction at all times, unless otherwise noted in this proposal or directed by the Engineer.

The clear lane width will be a minimum of 10 feet; however, make provisions for the passage of wide loads up to 16 feet in width. Use a lane closure at all times when work is performed in the lane or adjacent shoulder. No long term lane closures will be allowed until paving and pavement repair operations begin. Once paving and pavement repairs have begun, these operations are to be continuous until all paving is complete.

If the Contractor suspends work for more than seven (7) days for any reason, traffic shall be placed back in the original lane configuration, with all lanes operational. These traffic shifts, due to non-working days, shall be considered incidental to the bid item, **“MAINTAIN AND CONTROL TRAFFIC.”** The Department reserves the right to place traffic into its original configuration at anytime and will reimburse the Contractor for the cost of doing so.

The contractor must notify the Engineer at least fourteen (14) days prior to beginning construction.

Access to and from all ramps on the project shall be maintained at all times unless otherwise directed by the Engineer. Stripe and taper according to the MUTCD and Standard Drawings.

Take these restrictions into account in submitting bid. The Department will not consider any claims for money or grant contract time extensions for any delays to the Contractor as a result of these restrictions.

**LANE CLOSURES**

Limit the lengths of lane closures to a maximum of 2 miles, or as directed by the Engineer with a minimum of one mile between successive lane closures. Contrary to section 112, lane closures will **NOT** be measured for payment, but are considered incidental to **"MAINTAIN AND CONTROL TRAFFIC"**, lump sum.

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## **SIGNS**

Signage for reduced speed limits and double fine work zones will be furnished, relocated, and maintained by the Contractor.

Contrary to section 112, Individual signs will be measured only once for payment, regardless of how many times they are set, reset, removed, and relocated during the duration of the project. Replacements for damaged signs or signs directed to be replaced by the Engineer due to poor legibility or reflectivity will not be measured for payment.

Relocate and reset or cover existing permanent signs as required by work. Obtain the Engineer's approval before removing or covering an existing sign. The Department will not measure relocating and resetting or covering existing permanent signs, but shall be incidental to "**MAINTAIN AND CONTROL TRAFFIC**", lump sum.

## **ARROW PANELS**

Use arrow panels as shown on the Standard Drawings or as directed by the Engineer. The Department **WILL NOT** take possession of the arrow panels upon completion of work.

## **PORTABLE CHANGEABLE MESSAGE SIGNS**

Provide Portable Changeable Message Signs in advance of and within the project at locations to be determined by the Engineer. If work is in progress concurrently in both directions provide additional Portable Changeable Message Signs. The locations designated may vary as the work progresses. The messages required to be provided will be designated by the Engineer. The Portable Changeable Message Signs will be in operation at all times. In the event of damage or mechanical/electrical failure, the Contractor will repair or replace the Portable Changeable Message Sign immediately. Portable Changeable Message Signs will be paid for once, no matter how many times they are moved or relocated. The Department **WILL NOT** take possession of the signs upon the completion of the work.

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## **PAVEMENT MARKINGS**

If lane closures are in place during nighttime hours, remove or cover the lenses of pavement markers that do not conform to the traffic control scheme in use, or as directed by the Engineer. Replace or uncover lenses before a closed lane is reopened to traffic. No direct payment will be made for removing and replacing or covering and uncovering the lenses, but will be incidental to **"MAINTAIN AND CONTROL TRAFFIC"**, lump sum.

Place temporary and permanent striping in accordance with Section 112, except that:

1. Temporary and permanent striping will be 6" in width
2. If the contractor's operations or phasing requires temporary markings which must be subsequently removed from the ultimate pavement, an approved removable lane tape will be used. Removable tape will be measured and paid as Pavement Striping – Temp Tape B, W, or Y.
3. Edge lines will be required for temporary striping
4. Existing, temporary, or permanent striping will be in place before a lane is opened to traffic.
5. Place permanent striping on bridge decks and pavement within the project limits.
6. Permanent striping will be Durable Waterborne Markings. Should the Contractor change the existing striping pattern, the Contractor is to restripe the roadway back to its original configuration after a certain period of time especially if no work is anticipated for a period of time ((i.e. Winter shutdown).

## **PAVEMENT EDGE DROP-OFFS**

Pavement edge drop-offs will be protected by a lane or shoulder closure. Lane closures will be protected with plastic drums, vertical panels, or barricades as shown on the Standard Drawings. Pavement edges that traffic is not expected to cross, except accidentally, shall be treated as follows:

Less than 2" – No protection required. Warning signs should be placed in advance of and throughout the drop off area.

2" to 4" – Protect with a lane closure. Place plastic drums, vertical panels, or barricades every 50 feet. Cones may not be used in place of plastic drums, panels, and barricades at any time. Construct a wedge with compacted cuttings from milling, trenching, or asphalt mixtures with a 3:1 or flatter slope, when work is not active in the drop-off area. Place Type III Barricades at the beginning of the lane closures, and place additional Type III Barricades spaced at 2,500 feet during the time the lane closure is in place.

Greater than 4" – In areas where pavement is to be removed, work should proceed continuously so that traffic is exposed to a drop-off for the minimum amount of time necessary to bring the pavement back up to existing grade. Barrel spacing should be 20 feet and appropriate lighting should be utilized to illuminate the area during nighttime operations.

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### **TRAFFIC COORDINATOR**

Designate an employee to be traffic coordinator. The designated Traffic Coordinator must be certified by the American Traffic Safety Services Association (ATSSA). The Traffic Coordinator will inspect the project maintenance of traffic once daily, including weekends, during the Contractor's operations and at any time a lane closure is in place. The Traffic Coordinator will report all incidents throughout the work zone to the Engineer on the project. The Contractor will furnish the name and telephone number where the Traffic Coordinator can be contacted at all times. During any period when a lane closure is in place, the Traffic Coordinator will arrange for personnel to be present on the project at all times to inspect the traffic control, maintain the signing and devices, and relocate portable changeable message boards as queue lengths change. The personnel will have access on the project to a radio or telephone to be used in case of emergencies or accidents.

### **COORDINATION OF WORK**

The Contractor is advised that other projects may be in progress within or in the near vicinity of this project. The traffic control of those projects may affect this project and the traffic control of this project may affect those projects. The Contractor will coordinate the work on this project with the work of the other contractors. In case of conflict, the Engineer will determine the relative priority to give to work phasing on the various projects.

**PROPOSAL BID ITEMS**

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**Section: 0001 - PAVING**

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	FP	AMOUNT
0010	00001		DGA BASE	3,000.00	TON		\$	
0020	00005		GEOGRID REINFORCEMENT FOR SUBGRADE	2,000.00	SQYD		\$	
0030	02058		REMOVE PCC PAVEMENT	13,917.00	SQYD		\$	
0040	02069		JPC PAVEMENT-10 IN REVISED: 7-3-14	13,917.00	SQYD		\$	
0050	02599		FABRIC-GEOTEXTILE TYPE IV	7,050.00	SQYD		\$	

**Section: 0002 - ROADWAY**

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	FP	AMOUNT
0060	01000		PERFORATED PIPE-4 IN	1,000.00	LF		\$	
0070	01010		NON-PERFORATED PIPE-4 IN	501.00	LF		\$	
0080	01020		PERF PIPE HEADWALL TY 1-4 IN	20.00	EACH		\$	
0090	02562		TEMPORARY SIGNS	10,001.00	SQFT		\$	
0100	02650		MAINTAIN & CONTROL TRAFFIC (CALDWELL COUNTY)	1.00	LS		\$	
0110	02650		MAINTAIN & CONTROL TRAFFIC (LYON COUNTY)	1.00	LS		\$	
0120	02650		MAINTAIN & CONTROL TRAFFIC (TRIGG COUNTY)	1.00	LS		\$	
0130	02671		PORTABLE CHANGEABLE MESSAGE SIGN	6.00	EACH		\$	
0140	02726		STAKING (CALDWELL COUNTY)	1.00	LS		\$	
0150	02726		STAKING (LYON COUNTY)	1.00	LS		\$	
0160	02726		STAKING (TRIGG COUNTY)	1.00	LS		\$	
0170	02775		ARROW PANEL	6.00	EACH		\$	
0180	06511		PAVE STRIPING-TEMP PAINT-6 IN	41,750.00	LF		\$	
0190	06549		PAVE STRIPING-TEMP REM TAPE-B	4,999.00	LF		\$	
0200	06550		PAVE STRIPING-TEMP REM TAPE-W	2,500.00	LF		\$	
0210	06551		PAVE STRIPING-TEMP REM TAPE-Y	2,500.00	LF		\$	
0220	06592		PAVEMENT MARKER TYPE V-B W/R	101.00	EACH		\$	
0230	10020NS		FUEL ADJUSTMENT	5,123.00	DOLL	\$1.00	\$	\$5,123.00
0240	21173EC		SAW-CLEAN-RESEAL RANDOM CRACKS	4,999.00	LF		\$	
0250	23143ED		KPDES PERMIT AND TEMP EROSION CONTROL (CALDWELL COUNTY)	1.00	LS		\$	
0260	23143ED		KPDES PERMIT AND TEMP EROSION CONTROL (LYON COUNTY)	1.00	LS		\$	
0270	23143ED		KPDES PERMIT AND TEMP EROSION CONTROL (TRIGG COUNTY)	1.00	LS		\$	
0280	02110		PARTIAL DEPTH PATCHING REVISED: 7-3-14	2,700.00	CUFT		\$	
0290	24189ER		DURABLE WATERBORNE MARKING-6 IN W	282,394.00	LF		\$	
0300	24190ER		DURABLE WATERBORNE MARKING-6 IN Y	225,915.00	LF		\$	
0310	24191ER		DURABLE WATERBORNE MARKING-12 IN W	4,999.00	LF		\$	

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**Section: 0003 - BRIDGE - 27R**

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	FP	AMOUNT
0320	02003		RELOCATE TEMP CONC BARRIER	500.00	LF		\$	
0330	02898		RELOCATE CRASH CUSHION	1.00	EACH		\$	
0340	03171		CONCRETE BARRIER WALL TYPE 9T	500.00	LF		\$	
0350	03298		EXPAN JOINT REPLACE 4 IN	81.00	LF		\$	
0360	03299		ARMORED EDGE FOR CONCRETE	81.00	LF		\$	
0370	08150		STEEL REINFORCEMENT	267.00	LB		\$	
0380	08504		EPOXY SAND SLURRY	92.00	SQYD		\$	
0390	08526		CONC CLASS M FULL DEPTH PATCH	10.00	CUYD		\$	
0400	08534		CONCRETE OVERLAY-LATEX	27.00	CUYD		\$	
0410	08549		BLAST CLEANING	740.00	SQYD		\$	
0420	08550		HYDRODEMOLITION	654.00	SQYD		\$	
0430	08903		CRASH CUSHION TY VI CLASS BT TL3	1.00	EACH		\$	
0440	21669NN		POLICE OFFICER WITH VEHICLE	16.00	HOUR		\$	
0450	24094EC		PARTIAL DEPTH PATCHING	23.00	CUYD		\$	

**Section: 0004 - BRIDGE - 48R**

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	FP	AMOUNT
0460	02003		RELOCATE TEMP CONC BARRIER	650.00	LF		\$	
0470	02898		RELOCATE CRASH CUSHION	1.00	EACH		\$	
0480	03171		CONCRETE BARRIER WALL TYPE 9T	650.00	LF		\$	
0490	08504		EPOXY SAND SLURRY	144.00	SQYD		\$	
0500	08526		CONC CLASS M FULL DEPTH PATCH	4.00	CUYD		\$	
0510	08534		CONCRETE OVERLAY-LATEX	55.00	CUYD		\$	
0520	08549		BLAST CLEANING	1,452.00	SQYD		\$	
0530	08550		HYDRODEMOLITION	1,308.00	SQYD		\$	
0540	08903		CRASH CUSHION TY VI CLASS BT TL3	1.00	EACH		\$	
0550	21669NN		POLICE OFFICER WITH VEHICLE	16.00	HOUR		\$	
0560	24094EC		PARTIAL DEPTH PATCHING	46.00	CUYD		\$	

**Section: 0005 - DEMOBILIZATION &/OR MOBILIZATION**

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	FP	AMOUNT
0570	02568		MOBILIZATION	1.00	LS		\$	
0580	02569		DEMOBILIZATION	1.00	LS		\$	