



**COMMONWEALTH OF KENTUCKY
TRANSPORTATION CABINET**
Frankfort, Kentucky 40622
www.transportation.ky.gov/

Matthew G. Bevin
Governor

Greg Thomas
Secretary

July 19, 2016

CALL NO. 200
CONTRACT ID NO. 161242
ADDENDUM # 2

Subject: Carter-Boyd Counties, 121GR16D022-HSIP
Letting July 29, 2016

- (1) Revised - General Summary - Pages 21-22 of 213
- (2) Revised - Drawings - Pages 30-33 of 213
- (3) Revised - Material Summary - Pages 130-131 of 213
- (4) Revised - Bid Items - Pages 212-213 of 213

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 cursive script that reads "Rachel Mills".

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

RM:ks
Enclosures



An Equal Opportunity Employer M/F/D

GENERAL SUMMARY

ITEM	DESCRIPTION	UNIT	CARTER CO.	BOYD CO.	PROJECT TOTALS
23147EN	HIGH TENSION CABLE-ROPE (1) (4) (6) (7)	LF	87966	2850	90816
23148EN	END ANCHOR (2) (4) (6) (7)	EACH	23	1	24
22415EN	CONCRETE CLASS A FOR PAD (5)	SQ YD	39092	1267	40359
06427	TRENCHING (3)	LF	87966	2850	90816
00001	DGA (9) (11)	TONS	3972	109	4081
00100	ASPHALT SEAL AGGREGATE (8) (9) (12)	TONS	1176	38	1214
00103	ASPHALT SEAL COAT (8) (9) (13)	TONS	142	5	147
02569	DEMOBILIZATION	LS	1		1
02569	DEMOBILIZATION	LS		1	1
02562	TEMPORARY SIGNS	SF	478	22	500
02650	MAINTAIN & CONTROL TRAFFIC	LS	1		1
02650	MAINTAIN & CONTROL TRAFFIC	LS		1	1
02671	PORTABLE CHANGEABLE MESSAGE SIGN	EACH	4		4
02726	STAKING	LS	1		1
02726	STAKING	LS		1	1
02775	ARROW PANEL	EACH	2		2
20411ED	LAW ENFORCEMENT OFFICER	HOUR	528	22	550
24560EN	EROSION CONTROL BLANKET - SHORT TERM (10)	SQ YD	117288	3800	121088
23143ED	KPDES PRMIT AND TEMP EROSION CONTROL	LS	1		1
23143ED	KPDES PRMIT AND TEMP EROSION CONTROL	LS		1	1
00339	CL3 ASPH SURF 0.38D PG64-22	TON	36		36
00223	CL3 ASPH BASE 0.75D PG64-22	TON	66		66
02585	EDGE KEY	LF	420		420
00078	CRUSHED AGGREGATE SIZE NO 2	TON	513		513
24631EC	BARCODE SIGN INVENTORY	EACH	6		6
06407	SBM ALUM SHEET SIGNS .125 IN	SQFT	48		48
03225	TUBULAR MARKERS	EACH	12		12
00490	CULVERT PIPE-15 IN EQUIV	LF	204		204
01441	SLOPED BOX INLET-OUTLET TYPE 2	EACH	4		4
02655	OBJECT MARKER TYPE 2	EACH	12		12
06410	STEEL POST TYPE 1	LF	60		60
02568	MOBILIZATION	LS	1		1

PROPOSED HTC MEDIAN BARRIER

ITEM NO: 09-9001.00

CARTER/BOYD COUNTIES

ROUTE: I-64

MILEPOINT 161.0 TO 181.3

GENERAL SUMMARY NOTES

NOTES:

- (1) The HTC Median Barrier system includes all hardware, post, cables, labor, and incidentals within the End Anchors.
- (2) The HTC Median Barrier End Anchors includes all hardware, post, cables, labor, and incidentals.
- (3) The bid item "Trenching" is for the trenching and disposal of the material removed for the Concrete Class A Pad under the HTC Median Barrier system. Provided this material meets geotechnical requirements it may be used where median fill is needed. Waste area will be pre-approved by the Engineer.
- (4) Excavation for the posts and anchors is incidental to the HTC Median Barrier. This material may also be used where median fill is needed provided that requirements listed in note (3) above are followed.
- (5) Construct per the Section 505 of the *Standard Specifications for Road and Bridge Construction (current edition)* for concrete sidewalks.
- (6) The Contractor shall select and install only one manufacturer's high tension cable barrier system for the entire project. Terminal sections and high tension cable barrier shall be produced by the same manufacturer.
- (7) Geotechnical work has been completed for the project. All Geotechnical Information has been included in this proposal so that the manufacturers may design the anchors and the post line footings.
- (8) Two applications.
- (9) For placement between the edge of paved shoulder and the concrete mow strip, as well as for the median turn arounds.
- (10) See Special Note for Erosion Control Blanket – Short Term.
- (11) Includes 226 tons for median turn arounds.
- (12) Includes 4 tons for median turn arounds.
- (13) Includes 1 tons for median turn arounds.

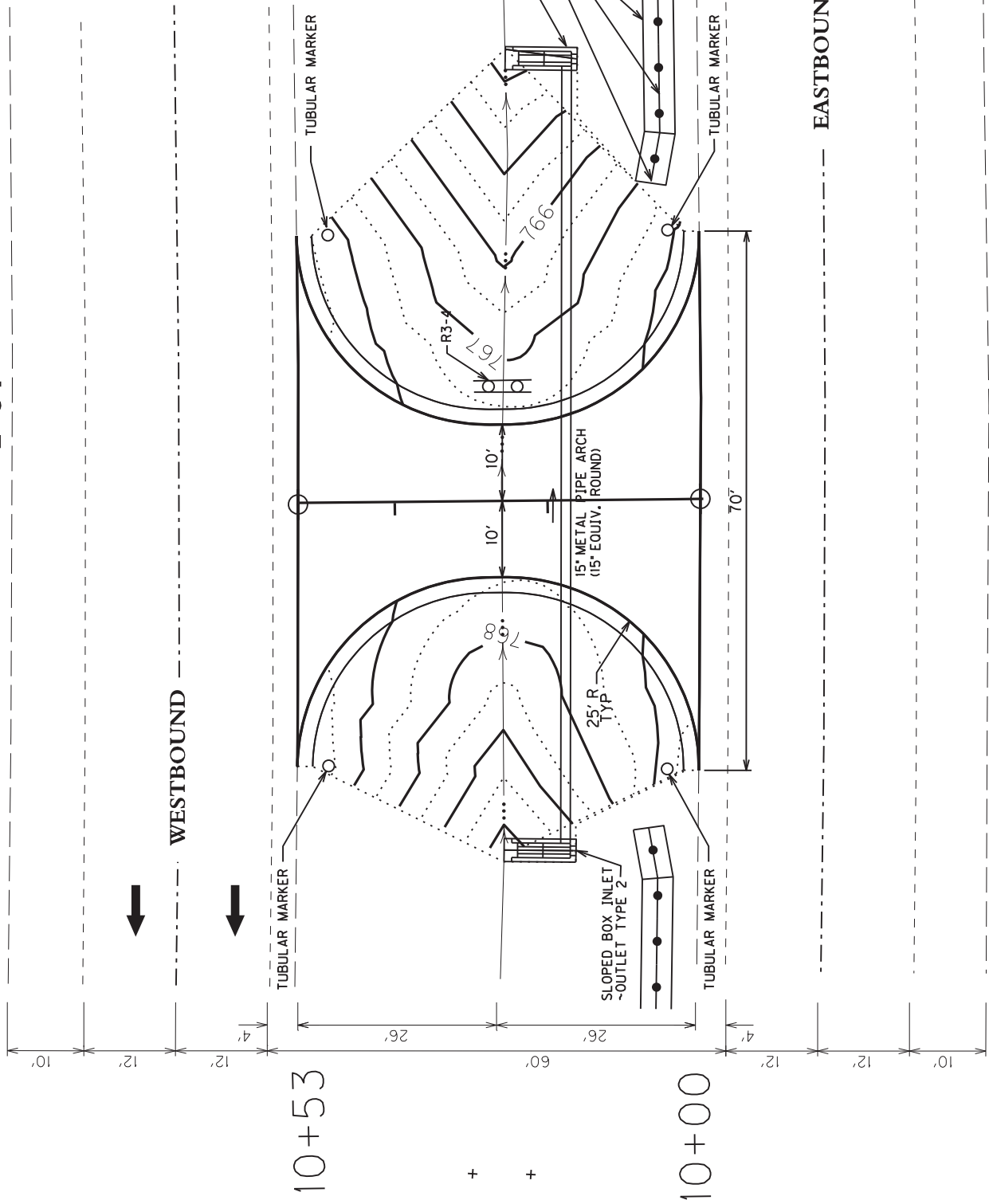
PROPOSED HTC MEDIAN BARRIER		ITEM NO: 09-9001.00
CARTER/BOYD COUNTIES	ROUTE: I-64	MILEPOINT 161.0 TO 181.3

PROPOSED MEDIAN TURN AROUND I-64

COUNTY OF	ITEM NO.
CARTER	09-9001.00

Removed Concrete Option

- APPROXIMATE MILE POINT 165.40 CONSTRUCT MEDIAN TURN AROUND WITH:
- 12 TONS OF ASPHALT SURFACE, 22 TONS OF ASPHALT BASE & 76 TONS OF DGA, W/ 0.3 TONS OF ASPHALT SEAL COAT AND 1 TON OF ASPHALT SEAL AGGREGATE, W/272 TON OF #2 STONE TO BE USED IN PLACE OF EARTH FILL.
- STA. 10+00 CONSTRUCT 70 LF OF PAVEMENT EDGE KEY
- STA. 10+53 CONSTRUCT 70 LF OF PAVEMENT EDGE KEY
- STA. 10+17 @ 0' SKEW CONSTRUCT 102 LF OF 15" EQUIVALENT BCCSPA W/ 2 SLOPED BOX INLET OR OUTLETS TYPE 2
- PLACE TWO END ANCHORS APPROX. 70' APART, PER MANUFACTURERS' RECOMMENDATIONS



I-64 MEDIAN TURN AROUND
 APPROXIMATE MP 165.40

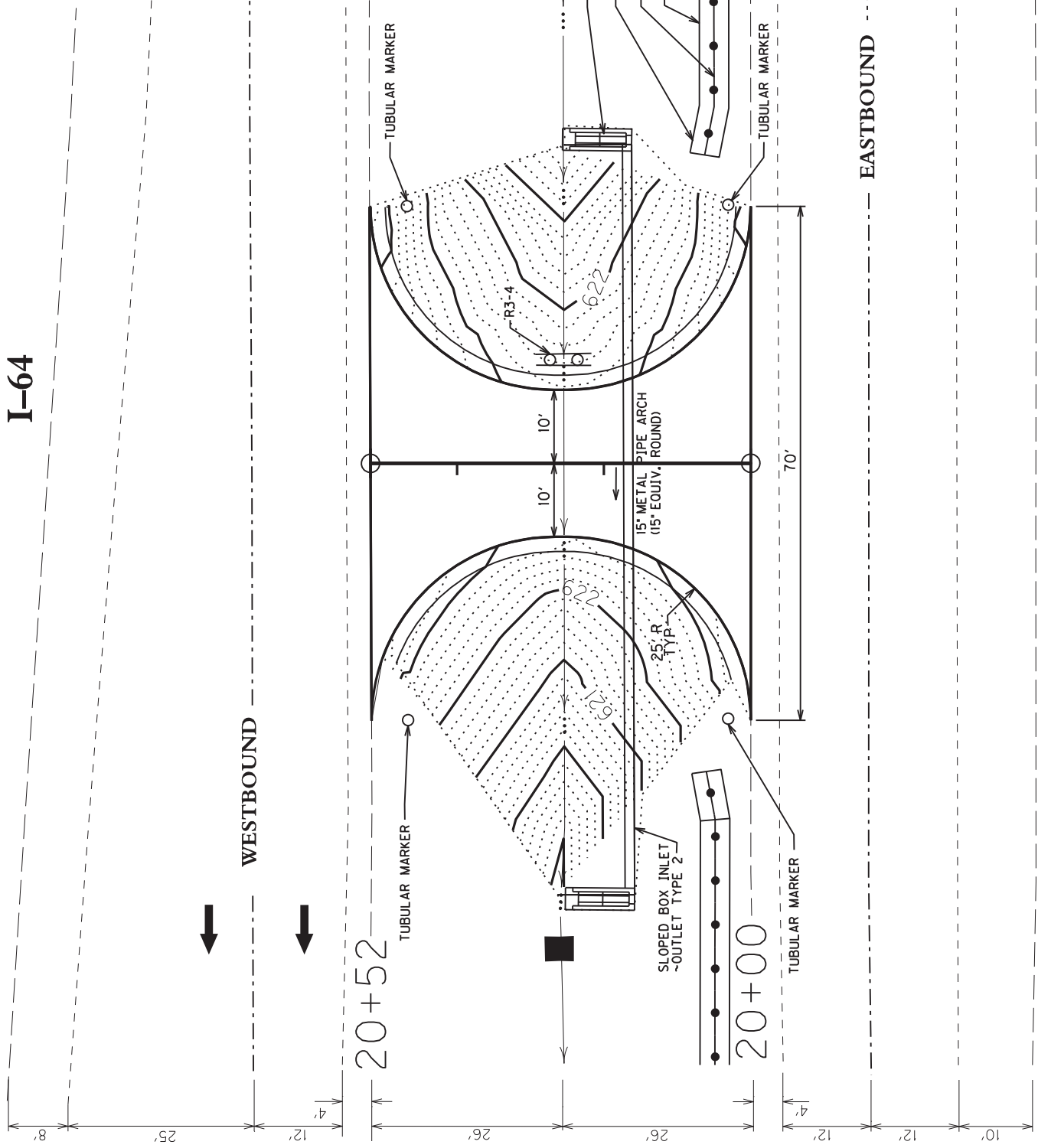
PROPOSED MEDIAN TURN AROUND I-64

COUNTY OF	ITEM NO.
CARTER	09-9001.00

Removed Concrete Option

APPROXIMATE MILE POINT 173.55 CONSTRUCT
 MEDIAN TURN AROUND WITH:
 12 TONS OF ASPHALT SURFACE, 22 TONS OF
 ASPHALT BASE & 76 TONS OF DGA, W/ 0.3
 TONS OF ASPHALT SEAL COAT AND 1 TON OF
 ASPHALT SEAL AGGREGATE, W/240 TON OF #2
 STONE TO BE USED IN PLACE OF EARTH FILL.

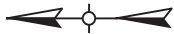
STA. 20+00 CONSTRUCT 70 LF
 OF PAVEMENT EDGE KEY
 STA. 20+52 CONSTRUCT 70 LF
 OF PAVEMENT EDGE KEY
 STA. 20+17 @ 0° SKEW CONSTRUCT 102 LF
 OF 15" EQUIVALENT BCCSPA W/ 2 SLOPED
 BOX INLET OR OUTLETS TYPE 2
 PLACE TWO END ANCHORS APPROX. 70' APART.
 PER MANUFACTURERS RECOMMENDATIONS



I-64 MEDIAN TURN AROUND
 APPROXIMATE MP 173.55

PROPOSED MEDIAN TURN AROUND I-64

COUNTY OF	ITEM NO.
CARTER	09-9001.00



Removed Concrete Option

APPROXIMATE MILE POINT 177.55 CONSTRUCT
 MEDIAN TURN AROUND WITH:
 12 TONS OF ASPHALT SURFACE, 22 TONS OF
 ASPHALT BASE & 74 TONS OF DGA. W/ 0.3
 TONS OF ASPHALT SEAL COAT AND 1 TON OF
 ASPHALT SEAL AGGREGATE.

- PROPOSED END ANCHOR
- PROPOSED CABLE GUARDRAIL
- PROPOSED CONCRETE PAD

STA. 40+00 CONSTRUCT 70 LF
 OF PAVEMENT EDGE KEY

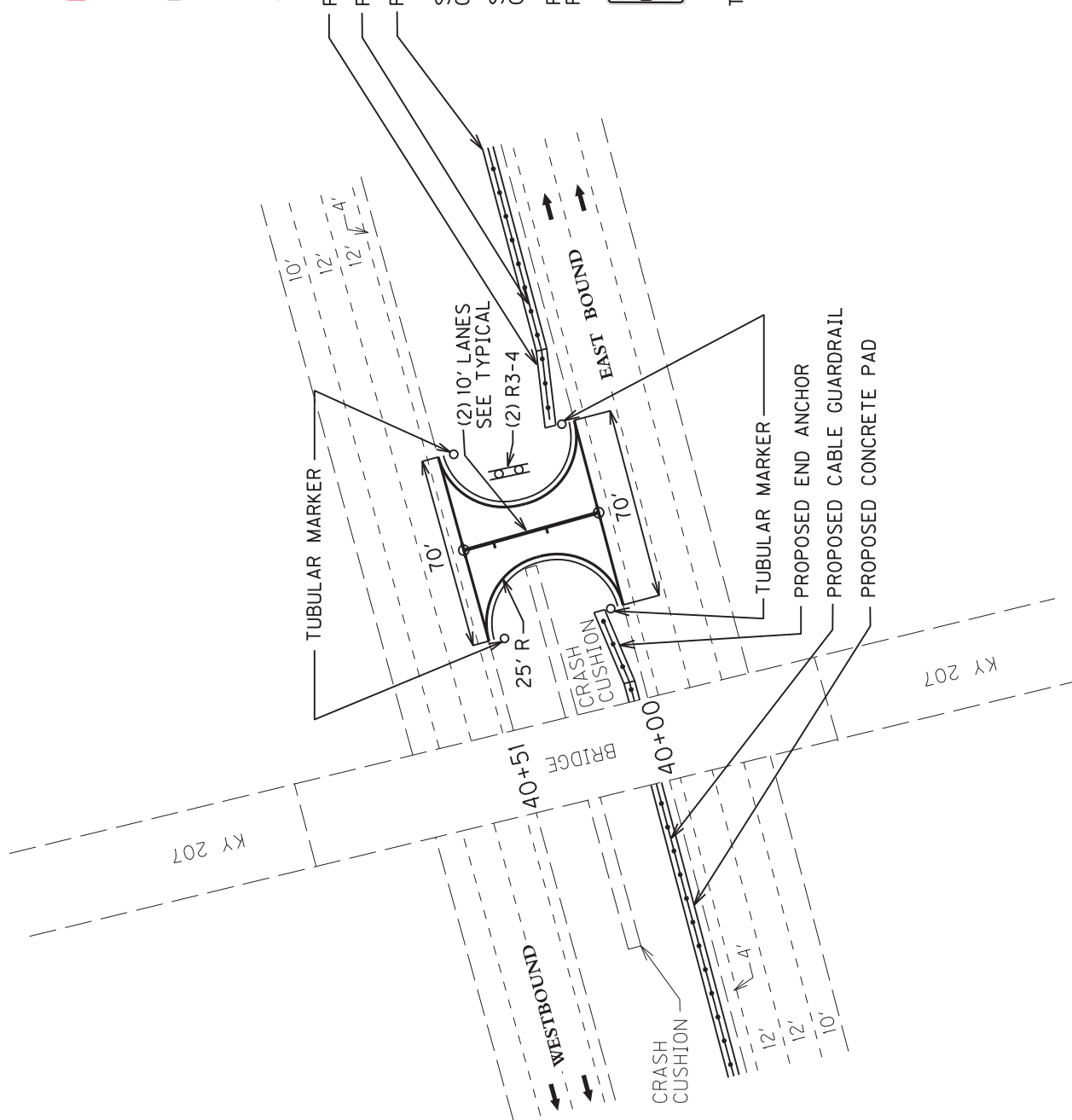
STA. 40+51 CONSTRUCT 70 LF
 OF PAVEMENT EDGE KEY

PLACE TWO END ANCHORS APPROX. 70' APART.
 PER MANUFACTURERS RECOMMENDATIONS



R3-4

TUBULAR MARKER QUANTITY 4

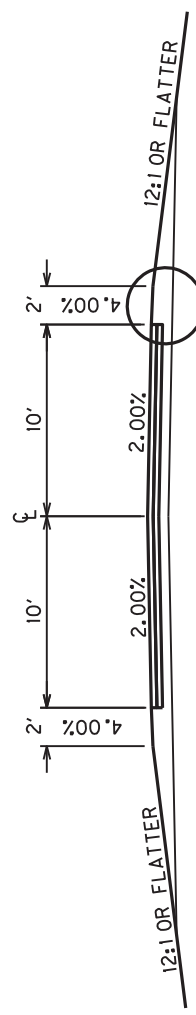


I-64 MEDIAN TURN AROUND
 APPROXIMATE MP 177.55

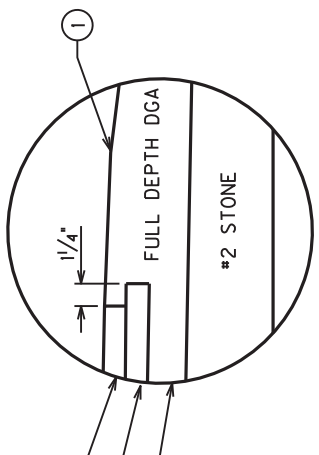
COUNTY OF	ITEM NO.
CARTER	09-9001.00

PROPOSED MEDIAN TURN AROUND I-64

**NO PROFILE PROVIDED FOR
 MILE POINT 177.55**



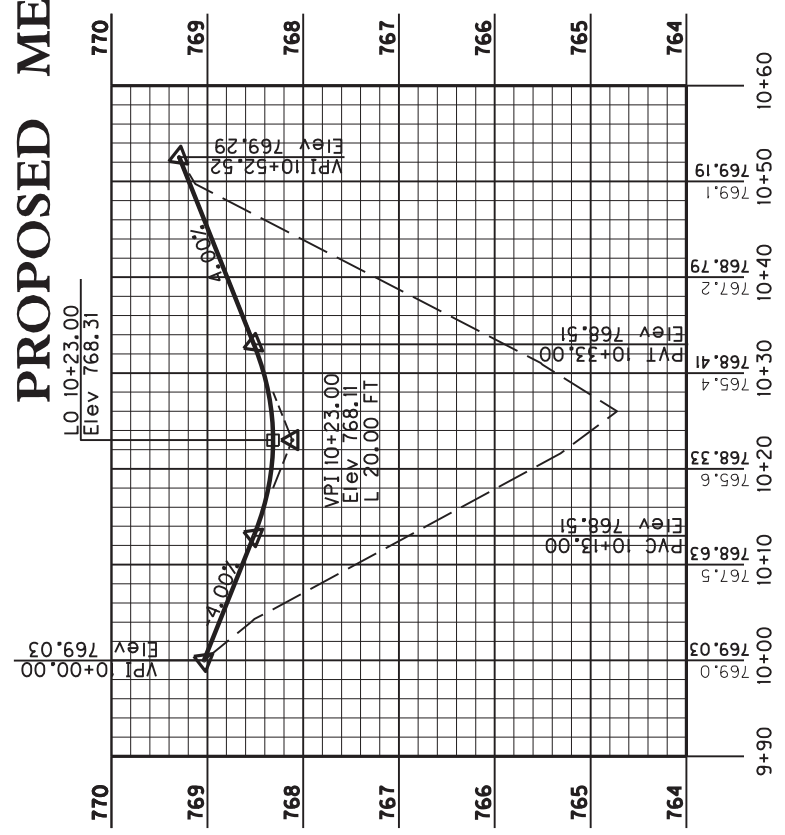
TYPICAL SECTION



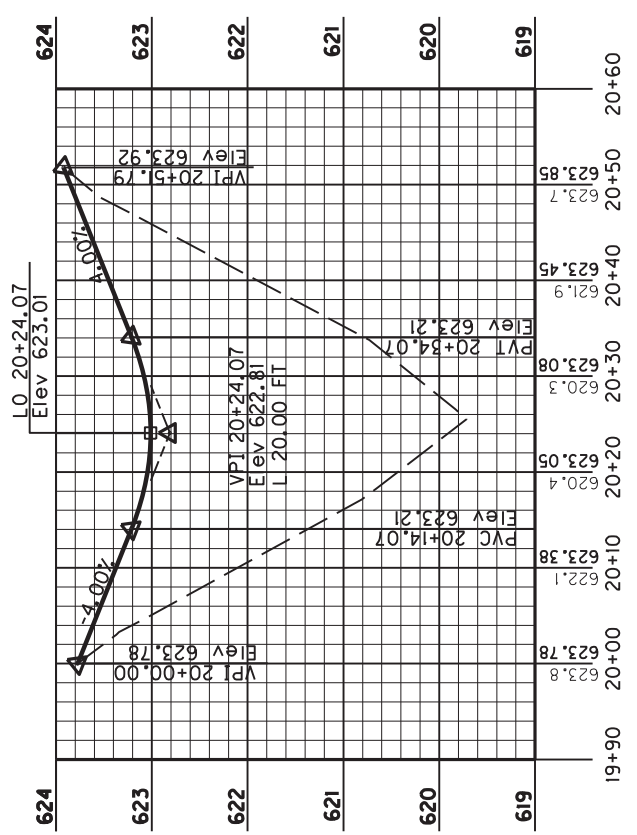
- 1/4" CL3 ASPH SURF 0.38D PG64-22
- 2 1/4" CL3 ASPH BASE 0.75D PG64-22
- 6" DGA
- FULL DEPTH DGA
- #2 STONE

**Removed Concrete
 Option**

① ASPHALT SEAL COAT REQUIRED FROM EDGE OF PAVEMENT TO 2 FT. DOWN THE FILL SLOPE
 2.4 LB. PER S.Y. OF ASPHALT SEAL COAT (TWO APPLICATIONS)
 20 LB. PER S.Y. OF ASPHALT SEAL AGGREGATE (SIZE NO. 8 OR 9.) (TWO APPLICATIONS)



MILE POINT 165.40 PROFILE



MILE POINT 173.55 PROFILE

I-64 MEDIAN TURN AROUND
 TYPICAL SECTION & PROFILES

MATERIAL SUMMARY

CONTRACT ID: 161242

121GR16D022-HSIP

DE0100641642

I-64 (BOYD COUNTY) INSTALLATION OF A CABLE MEDIAN BARRIER ON I-64 FROM THE TYGART'S CREEK BRIDGE IN CARTER COUNTY TO US 60 OVERPASS IN BOYD COUNTY GUARDRAIL, A DISTANCE OF .49 MILES.

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
0005	00001	DGA BASE	109.00	TON
0010	00100	ASPHALT SEAL AGGREGATE	38.00	TON
0015	00103	ASPHALT SEAL COAT	5.00	TON
0020	02562	TEMPORARY SIGNS	22.00	SQFT
0025	02650	MAINTAIN & CONTROL TRAFFIC - (BOYD COUNTY)	1.00	LS
0030	02726	STAKING - (BOYD COUNTY)	1.00	LS
0035	06427	TRENCHING	2,850.00	LF
0040	20411ED	LAW ENFORCEMENT OFFICER	22.00	HOURL
0045	22415EN	CONCRETE CLASS A FOR PAD	1,267.00	SQYD
0050	23143ED	KPDES PERMIT AND TEMP EROSION CONTROL - (BOYD COUNTY)	1.00	LS
0055	23147EN	HIGH TENSION CABLE-ROPE BARRIER	2,850.00	LF
0060	23148EN	END ANCHORS	1.00	EACH
0065	24560EN	EROSION CONTROL BLANKET-SHORT TERM	3,800.00	SQYD
0070	02569	DEMOBILIZATION	1.00	LS

MATERIAL SUMMARY

CONTRACT ID: 161242

121GR16D022-HSIP

DE02200641641

I-64 (CARTER COUNTY) INSTALLATION OF A CABLE MEDIAN BARRIER ON I-64 FROM THE TYGARTS CREEK BRIDGE IN CARTER COUNTY TO US 60 OVERPASS IN BOYD COUNTY GUARDRAIL, A DISTANCE OF 19.81 MILES.

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
0005	00001	DGA BASE	3,972.00	TON
0010	00078	CRUSHED AGGREGATE SIZE NO 2	513.00	TON
0015	00100	ASPHALT SEAL AGGREGATE	1,176.00	TON
0020	00103	ASPHALT SEAL COAT	142.00	TON
0025	00223	CL3 ASPH BASE 0.75D PG64-22	66.00	TON
0030	00339	CL3 ASPH SURF 0.38D PG64-22	36.00	TON
0040	02585	EDGE KEY	420.00	LF
0045	02562	TEMPORARY SIGNS	478.00	SQFT
0050	02565	OBJECT MARKER TYPE 2	12.00	EACH
0055	02650	MAINTAIN & CONTROL TRAFFIC - (CARTER COUNTY)	1.00	LS
0060	02671	PORTABLE CHANGEABLE MESSAGE SIGN	4.00	EACH
0065	02726	STAKING - (CARTER COUNTY)	1.00	LS
0070	02775	ARROW PANEL	2.00	EACH
0075	03225	TUBULAR MARKERS	12.00	EACH
0080	06407	SBM ALUM SHEET SIGNS .125 IN - (REVISED: 7-19-16)	48.00	SQFT
0085	06410	STEEL POST TYPE 1	60.00	LF
0090	06427	TRENCHING	87,966.00	LF
0095	20411ED	LAW ENFORCEMENT OFFICER	528.00	HOURL
0100	22415EN	CONCRETE CLASS A FOR PAD	39,092.00	SQYD
0105	23143ED	KPDES PERMIT AND TEMP EROSION CONTROL - (CARTER COUNTY)	1.00	LS
0110	23147EN	HIGH TENSION CABLE-ROPE BARRIER	87,966.00	LF
0115	23148EN	END ANCHORS	23.00	EACH
0120	24560EN	EROSION CONTROL BLANKET-SHORT TERM	117,288.00	SQYD
0125	24631EC	BARCODE SIGN INVENTORY	6.00	EACH
0130	00490	CULVERT PIPE-15 IN EQUIV	204.00	LF
0135	01441	SLOPED BOX INLET-OUTLET TYPE 2	4.00	EACH
0140	02568	MOBILIZATION	1.00	LS
0145	02569	DEMOBILIZATION	1.00	LS

161242

PROPOSAL BID ITEMS

Page 1 of 2

Report Date 7/19/16

Section: 0001 - PAVING

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0010	00001		DGA BASE	4,081.00	TON		\$	
0020	00078		CRUSHED AGGREGATE SIZE NO 2	513.00	TON		\$	
0030	00100		ASPHALT SEAL AGGREGATE	1,214.00	TON		\$	
0040	00103		ASPHALT SEAL COAT	147.00	TON		\$	
0050	00223		CL3 ASPH BASE 0.75D PG64-22	66.00	TON		\$	
0060	00339		CL3 ASPH SURF 0.38D PG64-22	36.00	TON		\$	
0080	02585		EDGE KEY	420.00	LF		\$	

Section: 0002 - ROADWAY

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0090	02562		TEMPORARY SIGNS	500.00	SQFT		\$	
0100	02565		OBJECT MARKER TYPE 2	12.00	EACH		\$	
0110	02650		MAINTAIN & CONTROL TRAFFIC (BOYD COUNTY)	1.00	LS		\$	
0120	02650		MAINTAIN & CONTROL TRAFFIC (CARTER COUNTY)	1.00	LS		\$	
0130	02671		PORTABLE CHANGEABLE MESSAGE SIGN	4.00	EACH		\$	
0140	02726		STAKING (BOYD COUNTY)	1.00	LS		\$	
0150	02726		STAKING (CARTER COUNTY)	1.00	LS		\$	
0160	02775		ARROW PANEL	2.00	EACH		\$	
0170	03225		TUBULAR MARKERS	12.00	EACH		\$	
0180	06407		SBM ALUM SHEET SIGNS .125 IN (REVISED: 7-19-16)	48.00	SQFT		\$	
0190	06410		STEEL POST TYPE 1	60.00	LF		\$	
0200	06427		TRENCHING	90,816.00	LF		\$	
0210	20411ED		LAW ENFORCEMENT OFFICER	550.00	HOUR		\$	
0220	22415EN		CONCRETE CLASS A FOR PAD	40,359.00	SQYD		\$	
0230	23143ED		KPDES PERMIT AND TEMP EROSION CONTROL (BOYD COUNTY)	1.00	LS		\$	
0240	23143ED		KPDES PERMIT AND TEMP EROSION CONTROL (CARTER COUNTY)	1.00	LS		\$	
0250	23147EN		HIGH TENSION CABLE-ROPE BARRIER	90,816.00	LF		\$	
0260	23148EN		END ANCHORS	24.00	EACH		\$	
0270	24560EN		EROSION CONTROL BLANKET-SHORT TERM	121,088.00	SQYD		\$	
0280	24631EC		BARCODE SIGN INVENTORY	6.00	EACH		\$	

Section: 0003 - DRAINAGE

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0290	00490		CULVERT PIPE-15 IN EQUIV	204.00	LF		\$	
0300	01441		SLOPED BOX INLET-OUTLET TYPE 2	4.00	EACH		\$	

PROPOSAL BID ITEMS

REVISED ADDENDUM #2: 7-19-16

161242

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Report Date 7/19/16

Section: 0004 - DEMOBILIZATION &/OR MOBILIZATION

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0310	02568		MOBILIZATION	1.00	LS		\$	
0320	02569		DEMOBILIZATION	1.00	LS		\$	