



**TRANSPORTATION CABINET**

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

**Steven L. Beshear**  
Governor

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

July 9, 2012

CALL NO. 107  
CONTRACT ID NO. 121334  
ADDENDUM # 2

Subject: Shelby County, IM-NH 0642 (179)  
Letting July 13, 2012

- (1) Revised - Plan Sheet - R2I
- (2) Added - Special Note - Pages 30(a)-30(e) of 162
- (3) Revised - Special Notes - Pages 35-42 of 162

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

Plan revisions are available at <http://www.lynnimaging.com/kytransportation/>.

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

Sincerely,

A handwritten signature in blue ink that reads "Ryan Griffith".

Ryan Griffith  
Director  
Division of Construction Procurement

RG:ks  
Enclosures



An Equal Opportunity Employer M/F/D

## GENERAL SUMMARY

COUNTY OF	ITEM NO.	SHEET NO.
SHELBY	5-65.30 5-65.31	R21

ITEM NO.	ITEM	UNIT	I-64	KY 55	KY 55 RAMP 1	KY 55 RAMP 3	KY 55 RAMP 5	KY 55 RAMP 7	PROJECT TOTALS
02653	LANE CLOSURE	EACH		3					3
02671	PORTABLE CHANGEABLE MESSAGE SIGN	EACH	10	2					12
02676	MOBILIZATION FOR MILL & TEXTURING	LS	1						1
02690	SAFELDAGING	CU YD	17	10					27
02696	SHOULDER RUMBLE STRIPS - SAWED	LF	93,870		3,123	3,789	2,148	4,450	107,380
02720	SIDEWALK - 4 INCH CONCRETE	SQ YD	62						62
02726	STAKING	LS	1						1
02731	REMOVE STRUCTURE - BULLSKIN CREEK BRIDGE (EASTBOUND)	LS	1						1
02731	REMOVE STRUCTURE - BULLSKIN CREEK BRIDGE (WESTBOUND)	LS	1						1
02731	REMOVE STRUCTURE - KY 55 BRIDGE	LS		1					1
02731	REMOVE STRUCTURE - JOYES STATION BRIDGE	LS	1						1
02775	ARROW PANEL	EACH	1	2	1	1	1	1	7
02898	RELOCATE CRASH CUSHION	EACH	4			1	1		6
02998	MASONRY COATING	SQ YD	23,594		133				23,727
03171	CONCRETE BARRIER WALL TYPE 9T	13 LF	51,424	1,136				1,000	53,560
03225	TUBULAR MARKERS	14 EACH	744						744
05950	EROSION CONTROL BLANKET	15 SQ YD	47,056	3,283	2,319	4,879	4,668	3,518	65,723
05966	TOPDRESSING FERTILIZER	TON	13						13
05985	SEEDING AND PROTECTION	SQ YD	256,353						256,353
06417	FLEXIBLE DELINEATOR POST - W	EACH	229		20	25	12	28	314
06418	FLEXIBLE DELINEATOR POST - Y	EACH			16	17	11	20	64
06510	PAVE STRIPING - TEMP PAINT - 4 IN	LF		37,150					37,150
06511	PAVE STRIPING - TEMP PAINT - 6 IN	LF	349,620		2,750	6,304	5,322	5,186	369,182
06514	PAVE STRIPING - PERM PAINT - 4 IN - W	LF		8,209					8,209
06514	PAVE STRIPING - PERM PAINT - 4 IN - Y	LF		11,842					11,842
06549	PAVE STRIPING-TEMP REM TAPE-B	LF	5,000						5,000
06550	PAVE STRIPING - TEMP REM - TAPE W	LF		400					400
06551	PAVE STRIPING - TEMP REM - TAPE Y	LF		400					400
06568	PAVE MRKG - THERMO STOP BAR - 24"	LF		62			99		161
06574	PAVE MRKG - PRE THERM CURVE ARROW	EACH		4	2		9		15
06578	PAVE MARKING - THERMO MERGE ARROW	EACH	4						4
06589	PAVEMENT MARKER TYPE V - M W	EACH		75					75
06591	PAVEMENT MARKER TYPE V - B Y	EACH		173					173
06592	PAVEMENT MARKER TYPE VB W/R	EACH	1,257		22	49	33	65	1,426
06593	PAVEMENT MARKER TYPE V-B Y/R	EACH	1,314		37	33	27	20	1,431
08905	CRASH CUSHION TY VI CT	EACH	4	2	1			1	8
10020NS	FUEL ADJUSTMENT	DOLLAR	440,474						440,474
10030NS	ASPHALT ADJUSTMENT	DOLLAR	618,679						618,679
20432ES112	REMOVE CRASH CUSHION	16 EACH	5						5
20757ED	MDT PAVEMENT REPAIR	17 SQ YD	5,000						5,000
20758ED	REMOVE AND RESET PERF PIPE HEADWALL	EACH	26						26
21370ED	LONGITUDINAL SAW CUT - 6 INCH	LF	49,815						49,815
22883EN	CONCRETE WEDGE CURB	LF	3,667						3,667
23131ER701	PIPELINE VIDEO INSPECTION	LF	1,063	26	57	216	61	182	1,605
23143ED	KPDES PERMIT AND TEMP EROSION CONTROL	LS	1						1
23253ES717	PAVE MARK TY 1 TAPE CROSS HATCH	SQFT	23,000						23,000
20591EC	REMOVE BARRIER	16 LF	2,360						2,360
24189ER	DURABLE WATERBORNE MARKING - 6 IN W	LF	76,544		1,733	2,292	2,160	2,590	85,319
24190ER	DURABLE WATERBORNE MARKING - 6 IN Y	LF	52,880		1,417	1,541	1,044	1,908	58,790
24191ER	DURABLE WATERBORNE MARKING - 12 IN W	LF	2,806	439	321	657		672	4,895
24470ED	PERMEABLE PAVEMENT DRAIN	18 SQ YD	93.28						93.28

PREPARED BY \_\_\_\_\_ DATE \_\_\_\_\_  
 CHECKED BY \_\_\_\_\_ DATE \_\_\_\_\_  
 APPROVED BY \_\_\_\_\_ DATE \_\_\_\_\_

USER: \$\$\$USER\$\$\$  
 DATE: \$\$\$DATE\$\$\$  
 FILE NAME: \$\$\$design\$filespecification\$\$\$  
 E-SHEET NAME:

GENERAL SUMMARY



## GENERAL SUMMARY

COUNTY OF	ITEM NO.	SHEET NO.
SHELBY	5-65.30 5-65.31	R21

△ REVISED 7-6-12

PREPARED BY \_\_\_\_\_ DATE \_\_\_\_\_  
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GENERAL SUMMARY

COUNTY, KENTUCKY  
WIDENING AND REHABILITATION  
CULVERT EXTENSION / LOAD REDUCTION  
PROJECT: 5-65.30 & 5-65.31  
STATION 2239+ 36.99

SPECIAL NOTE FOR  
LIGHTWEIGHT CELLULAR CONCRETE FILL

REFERENCES:

All references to the Standard Specifications are to the Kentucky Department of Highways Standard Specifications for Road and Bridge Construction, Current Edition.

All references to AASHTO are to the current edition.

All references to ASTM are to the ASTM International Cement Standards and Concrete Standards, current edition.

The requirements in the Standard Specifications or AASHTO/ASTM shall be used for information not provided. Where there are conflicts between the Standard Specifications or AASHTO/ASTM, the Standard Specifications shall govern.

PART ONE - GENERAL

1.1 DESCRIPTION

1.1.1 Provide and install Lightweight Cellular Concrete fill material as specified herein at the locations shown on the Drawings.

1.2 MANUFACTURER AND APPLICATOR QUALIFICATIONS

1.2.1 The Manufacturer must be on the Department's List of Approved Materials (LAM) and the lightweight cellular concrete must meet all properties of Section 2 of this note.

1.2.2 The cellular concrete Applicator shall be approved by the Engineer and certified by the Manufacturer of the Lightweight Cellular Concrete prior to ordering materials or beginning work on excavating for placement of cellular concrete. Use skilled workmen who are trained, experienced and familiar with the requirements and the methods for proper performance of this work.

1.2.3 Any specialized batching, mixing, and placing equipment shall be automated with bulk handling equipment approved by the manufacturer. Transit mixes are not acceptable for these applications.

1.2.4 The certified Applicator shall have been regularly engaged in the placement of Lightweight Cellular Concrete for at least five years. The cellular concrete shall have been successfully applied on ten projects, which have performed satisfactorily for at least ten years.

1.3 SUBMITTALS

1.3.1 Details of the Lightweight Cellular Concrete Fill shown in the contract plans on the lightweight fill detail sheet are based on the stated maximum allowable unit weight. If the Contractor proposes to use the unit weight specified in the plans, then a material data sheet must be supplied for verification of the proposed material. (No additional calculations will be required unless requested by the Engineer.) If the Contractor elects to use a unit weight different than what is shown in the contract plans, design calculations and construction plans (5 copies) clearly showing conformance with the Standard Specifications, AASHTO,

ASTM and contract plans shall be submitted to the Department for review 30 calendar days prior to ordering material or beginning excavation for placement of Lightweight Cellular Concrete Fill. Lightweight fill designs and construction plans shall be dated, sealed, and signed by a registered professional engineer licensed to practice in Kentucky. The Contractor shall allow 30 calendar days for the Department to review the first complete submission. Additional time required by the Department to review resubmissions shall not be cause for increasing the number of contract working days. The additional work required by the Contractor to provide resubmissions shall be at no cost to the Department.

Details need to be enclosed in the submittal about the construction methods proposed. These could include, but are not limited to: Procedure for applying waterproofing membrane, A description of any temperature restrictions on placement of the material, etc.

Embankment benching, excavation stabilization, final installation and protection details necessary to construct the lightweight fill and produce a stable final embankment integrated with the remainder of the roadway embankment shall be the responsibility of the Contractor. Design of sheeting, shoring or other earth retention systems necessary to stabilize excavations shall be part of the construction submittal. The Engineer may request that construction plans be supplied prior to any construction.

The format for the construction plans shall be in accordance with the current edition of the Division of Structural Design's Guidance Manual. The first sheet shall be a title sheet. All final tracings, with drawing number, shall be submitted on 3 mil, or thicker, 22" X 36" mylar film.

1.3.2 The bid shall be based on work being performed by an approved Applicator, and the material being provided by an approved Manufacturer from the LAM (See section 2.1.1).

1.3.3 Other documentation including concrete mix designs, material certifications, etc. shall be submitted in accordance with this Special Note.

1.3.4 Refer to the proposal for additional details regarding submittals.

## PART TWO - PRODUCTS

### 2.1 MATERIALS

2.1.1 The Lightweight Cellular Concrete should be provided by a Manufacturer on the Department's List of Approved Materials (LAM), and should meet all requirements of Section 2 of this special note. Materials from Suppliers not on the LAM may be used provided that the materials are submitted for approval at least 30 calendar days prior to beginning work, and the materials are accepted after testing.

2.1.2 Expansion Material / Foaming Agent: The expansion material shall be in accordance with the Lightweight Cellular Concrete Manufacturer recommendations and ASTM C 869, and shall be approved in advance by the Engineer to produce the cellular concrete meeting the properties of Section 2.2.

2.1.3 Cement: Portland cement shall comply with Section 801 and 844 of the Standard Specifications. Pozzolans and other cementitious materials may be used. The Lightweight Cellular Concrete Manufacturer shall design the mix.

2.1.4 Water: Use potable water.

2.1.5 Admixtures: Admixtures may be used when specifically approved by the Manufacturer of the Lightweight Cellular Concrete.

2.1.6 Water-proofing layer: An asphalt primer or other water-proofing membrane is required and shall be in accordance with the Lightweight Fill Manufacturer's recommendations. The coverage rate shall be as recommended by the Manufacturer for protection of the installation from water infiltration.

2.1.7 Drainage Blanket: The drainage blanket shall meet of the requirements for “ Coarse Aggregate for Rock Drainage Blanket” in Section 805 of the Standard Specifications, unless otherwise stated in the lightweight fill detail sheet. The cost of the drainage blanket will be incidental to the cost of Lightweight Cellular Concrete.

2.1.8 Geotextile Fabric: Type IV Geotextile Fabric shall be in accordance with Sections 214 and 843 of the Standard Specifications. Contrary to Section 214 of the Standard Specifications, the cost of geotextile fabric will be incidental to the cost of Lightweight Cellular Concrete.

**2.2 PROPERTIES**

2.2.1 The Lightweight Cellular Concrete shall meet the following:

	<b>Class A</b>	<b>Class B</b>	<b>Class C</b>
Cast Unit Weight	26-30 pcf	30-36 pcf	36-42 pcf
Minimum Compressive * Strength@ 28 days	40 psi	80 psi	120 psi
Long-Term Water Absorption (% Cast Unit Weight) (ASTM C 796)	20%	16%	14%
Coefficient of Permeability Permeability (cm/sec) (@ 2.0 psi) (ASTM D 2434)	10 <sup>-4</sup>	10 <sup>-4</sup>	10 <sup>-4</sup>

\* If fly ash is used for cement replacement in percentages of 40% or greater, the compressive strength shall be tested @ 56 days.

**2.3 GEOTECHNICAL DESIGN PARAMETERS**

2.3.1 Unit Weight:

	<b>Class A</b>	<b>Class B</b>	<b>Class C</b>
Maximum unit weight for design above the water table*	30 pcf	36 pcf	42 pcf
Maximum unit weight for design below the water table	36 psf	42 psf	48 psf

\*Maximum unit weight value for use in design above water table is assumed to be cast unit weight.

**2.3.2 Uplift Forces**

Where the lightweight cellular concrete will be designed for use below the water table, uplift forces shall be calculated. The unit weight of lightweight cellular concrete used for these calculations shall be the minimum value from Section 2.2.1 of this note for the applicable Class of material. The thickness of rip-rap, soil, or other material required as a cap to offset the uplift forces shall be determined.

**PART THREE - EXECUTION**

3.1 **SITE CONDITIONS:** Examine the areas for work of this Section so that conditions detrimental to timely and proper completion of the work are corrected.

3.2 **PREPARATION:** The installation of the cellular concrete shall be in accordance with procedures provided by Lightweight Cellular Concrete Manufacturer. The area to be filled shall be prepared in

accordance with the contract documents and plans, and shall not have any standing water in it prior to fill placement. Items encased in the fill shall be set and stable prior to installing the cellular concrete.

3.3 INSTALLATION: Use automated job site batching, mixing, and placing equipment certified by the Lightweight Cellular Concrete Manufacturer. The Contractor is responsible for maintaining a stable slope during construction.

3.3.1 A drainage blanket shall be constructed in accordance with requirements of the lightweight fill detail sheet. The drainage blanket beneath the lightweight cellular concrete shall be wrapped with Type IV Geotextile Fabric, unless the plans state otherwise.

3.3.2 Mix the materials and convey promptly to the point of placement. Cast the lightweight fill in lifts in such a manner to prevent segregation. The maximum lift thickness of the cellular concrete shall be 4 feet.

3.3.3 The final surface finish shall be within 6 inches of plan elevation. The final surface of the lightweight fill shall be primed with an acceptable asphalt primer.

3.4 SAMPLING (to be completed by the Applicator in accordance with this Special Note):

Take four (4) 3" x 6" cylinder test specimens for each 300 cubic yards of lightweight fill placed or for each four (4) hours of placing. Take samples in accordance with ASTM C 495. The samples molds shall be provided by the Lightweight Fill Applicator, and the cost of the sample molds is incidental to the placement of lightweight fill.

3.5 CURING:

Mark the cylinder and place it in a location where it will not be disturbed or subjected to temperature extremes. Avoid excessive or early handling of test cylinders. After 2-3 days, the cylinders may be delivered to the material testing laboratory. Care should be taken during delivery to prevent damage of the specimens. Maintain the curing environment as specified in ASTM C 495, Section 6 except as modified by ASTM C 796, Section 8.9 in which allowable temperatures are as follows:

Day 1:  $70 \pm 10^{\circ}\text{F}$ , Days 2-7:  $73.4 \pm 3^{\circ}\text{F}$  (specimens will be in a moist condition and temperatures of the specimen surface will be lower than the surrounding atmosphere due to evaporation), Days 8-28:  $70 \pm 10^{\circ}\text{F}$  and relative humidity of  $50 \pm 3\%$ .

3.6 TESTING:

3.6.1 The Applicator shall perform the field unit weight measurement in accordance with ASTM C 796, Section 8). Field unit weight shall be measured using a machined-steel container with a volume of 0.5 cubic feet and a flat smooth rim. The scale used for the weight measurement shall be accurate to within 0.1% of the measured weight. Fill the tared weighing container with a representative sample of the lightweight concrete (tap the sides of the container with a rubber hammer during filling). Overfill the container, then strike off excess concrete by holding the strike-off plate in a horizontal position and moving it across the top of the container with a sawing motion. Wipe the outside surface of the container free of spilled concrete with a cloth. Record the weight of the container and concrete. Calculate the unit weight of the lightweight concrete. Adjust the mix as required to obtain the specified cast unit weight at the point of placement.

3.6.2 Compressive Strength: The Department, Division of Materials shall test compressive strength in accordance with ASTM C 495. Specimens shall have been moist cured for a period up to 7 days prior to a 28-day compressive strength test or a 56-day compressive strength test if greater than 40% of the cement has been replaced by fly ash. Specimens may be tested at any age to monitor the compressive strength. Note: The maximum load required to break the sample should not be less than 10% of the maximum load range of the testing equipment being used. A testing machine with a load range of 5,000 pounds is appropriate to use when testing cellular concrete.



3.6.3 Absorption: Water absorption must be certified by the Manufacturer to meet the requirements of Section 2.2 prior to approval for the LAM. The procedure for certification shall be as specified in ASTM C 796, Section 8.

3.6.3 Permeability: Permeability must be certified by the Manufacturer to meet the requirements of Section 2.2 prior to approval for the LAM. The procedure for certification shall be as specified ASTM D 2434.

#### PART FOUR - METHOD OF MEASUREMENT AND BASIS OF PAYMENT

##### 4.1 Method of Measurement:

4.1.1 No separate measurement shall be made for Lightweight Cellular Concrete Fill. Lightweight fill shall be paid for based on the volume of Lightweight Cellular Concrete Fill shown on the plans. Changing the limits or character of the installation due to the Contractor's construction methods or the Contractor's choice of a lightweight fill material of different unit weight as outlined in Section 1.3.1 of this Special Note shall not be cause for changing the plan pay quantities including plan roadway pay quantities.

4.1.2 The Contractor's selected construction methods may require additional excavation, fill or lightweight fill volume, or incidental items to satisfy the plan requirements. Sheet piling, shoring, temporary walls or other earth retention systems necessary to stabilize any excavation required during lightweight fill construction shall be paid for based on the quantities shown on the plans. The Contractor will be responsible for maintaining a stable slope during construction. All designs, labor, materials, etc. required to complete this work shall be included in the unit price bid per linear foot for "Sheet Piling".

4.3 PAYMENT: Work specified in this Section will be paid for at the contract unit prices for the quantities specified herein. The quantities shall be as shown in the Construction documents and specified herein for Lightweight Cellular Concrete Fill.

<u>Code</u>	<u>Item</u>	<u>Pay Unit</u>
	Lightweight Cellular Concrete Fill	Cubic Yard



## SPECIAL NOTES FOR UTILITY CLEARANCE

### IMPACT ON CONSTRUCTION

IM NH 0642 (179)  
FD52 106 76140 05C SHELBY CO  
I-64 WIDENING SECTION 3  
5-65.30, 5-65.31

**GENERAL PROJECT NOTE ON UTILITY PROTECTION**

N/A

**NOTE: DO NOT DISTURB THE FOLLOWING UTILITIES LOCATED WITHIN THE PROJECT DISTURB LIMITS**

**Atmos Energy:** Atmos Energy has an 8" gas main crossing under I-64 south to north from Station 2196+70 65' Rt. to 2196+80' 80' Lt. **Contractor shall not blast within 20' of gas main facilities. Any blasting within 300' of gas main facilities Contractor shall contact Bernie Anderson (502-321-8073) with Atmos Energy a minimum of 48 hours prior to start of blasting. An Atmos Energy inspector must be on site during blasting activity.**

**AT&T Legacy:** AT&T Legacy has an underground fiber optic line generally running parallel to I-64 on the north side in the project area that crosses Joyes Station Rd. west to east on the mainline from Station 2161+20 160' Lt. to Station 2162+30 155' Lt., also shown at station 48+15 50' Rt. to Station 48+50 50' Lt., and crosses KY 55 northeast to southwest at Station 169+95 65' Lt. to Station 169+95 95' Rt. **Contractor shall not blast within 20' of communication facilities.**

**AT&T KY:** AT&T KY has the following I-64 crossings: a 100 pair copper aerial crossing I-64 north to south from Station 2162+45 90' Lt. to 2162+95 80' Rt.; a dual underground fiber and copper in a 3 inch steel duct crossing I-64 north to south from Station 2238+10 145' Lt. to centerline then extending to Station 2238+60 95' Rt. to be exposed and protected by AT&T KY forces by permit during construction (See Special Note in the proposal and note below); and a 16 pair copper crossing south to north at Station 2272+45 150' Rt. to Station 2272+45 145' Lt. There is also an aerial line crossing KY 55 east to west from Station 197+50 45' Lt. to Station 198+40 30' Rt., and an aerial line crossing Joyes Station Rd. west to east from Station 53+72 28' Rt. to Station 54+00 32' Lt. **Contractor shall not blast within 20' of communication facilities.**

**Insight Communications Company:** Insight Communications Company has a 30 CT aerial fiber crossing I-64 south to north at Station 2242+50 90' Rt. to 2242+50 115' Lt.

**Shelby Energy Cooperative:** Shelby Energy Cooperative has the following I-64 crossings: an aerial electric primary crossing north to south from Approximate Station 2072+25 102' Lt. to Station 2072+25 75' Rt.; and an aerial electric primary crossing north to south from Station 2160+80 65' Lt. to Station 2161+05 70' Rt. There is another aerial electric crossing KY 55 east to west from Station 161+50 55' Lt. to Station 161+75 52' Rt., and an aerial electric crossing Joyes Station Rd. west to east from Station 53+72 28' Rt. to Station 54+00 32' Lt.

## SPECIAL NOTES FOR UTILITY CLEARANCE

### IMPACT ON CONSTRUCTION

**IM NH 0642 (179)**  
**FD52 106 76140 05C SHELBY CO**  
**I-64 WIDENING SECTION 3**  
**5-65.30, 5-65.31**

**East Kentucky Power Cooperative:** East Kentucky Power Cooperative has an aerial electric transmission line crossing I-64 south to north from Station 2193+55 100' Rt. to Station 2195+45 90' Lt. There is also an aerial electric crossing KY 55 east to west at Station 195+27 60' Lt. to Station 195+50 52' Rt.

**West Shelby Water District:** West Shelby Water District has an 8" water main in a dual crossing with a sanitary sewer main partially encased in a 30" steel casing that crosses I-64 south to north from Station 2043+55 65' Rt. to Station 2044+35 68' Lt. **Contractor shall not blast within 100' of water main facilities.**

**City of Simpsonville Sewer Board:** City of Simpsonville Sewer Board has a 10" sanitary sewer main in a dual crossing with a water main partially encased in a 30" steel casing that crosses I-64 south to north from Station 2043+55 65' Rt. to Station 2044+35 68' Lt. **Contractor shall not blast within 100' of sanitary sewer main facilities.**

**LG&E KU (Electric):** LG&E KU (Electric) has the following I-64 crossings: an aerial electric crossing south to north at Station 2242+50 90' Rt. to 2242+50 115' Lt.; an aerial electric crossing south to north at Station 2272+45 150' Rt. to Station 2272+45 145' Lt.; and an aerial electric transmission crossing south to north from Station 2279+20 150' Rt. to Station 2280+68 148' Lt. There is also an aerial electric crossing KY 55 east to west from Station 197+50 45' Lt. to Station 198+40 30' Rt.

**Shelbyville Municipal Water and Sewer Commission:** Shelbyville Water and Sewer Commission has a 10" sanitary sewer force main crossing I-64 north to south at Station 2238+58 145' Lt. to Station 2239+28 110' Rt., and a 10" sanitary sewer gravity main crossing KY 55 east to west at Station 197+40 45' Lt. to Station 197 +48 35' Rt. There is also a 1" water main crossing Joyes Station Rd west to east at Station 55+ 45 20' Rt. to Station 55+45 20' Lt. **Contractor shall not blast within 100' of water main or sanitary sewer main facilities.**

**\*The Contractor is fully responsible for protection of all utilities listed above\***

**THE FOLLOWING COMPANIES ARE RELOCATING/ADJUSTING THEIR UTILITIES WITHIN THE PROJECT LIMITS AND WILL BE COMPLETE PRIOR TO CONSTRUCTION**

N/A

## SPECIAL NOTES FOR UTILITY CLEARANCE

### IMPACT ON CONSTRUCTION

**IM NH 0642 (179)**  
**FD52 106 76140 05C SHELBY CO**  
**I-64 WIDENING SECTION 3**  
**5-65.30, 5-65.31**

**THE FOLLOWING COMPANIES HAVE FACILITIES TO BE RELOCATED/ADJUSTED BY THE COMPANY OR THE COMPANY'S SUBCONTRACTOR AND IS TO BE COORDINATED WITH THE ROAD CONTRACT**

**AT&T KY:** AT&T KY has a dual underground fiber and copper 3 inch steel duct crossing I-64 north to south from Station 2238+10 145' Lt. to Station 2238+60 95' Rt. These facilities will not be relocated. However, the duct will run thru the proposed gravity wall and channel lining at Approximate Station 2238+10 130' Lt., and is to be exposed and protected by AT&T KY forces by permit during construction. The Special Note in the proposal states that the contractor will clear and grub over the existing duct in a 10' width from the existing AT&T KY manhole southward a distance of 25' to allow access for AT&T KY crews and equipment. The Contractor shall notify KYTC and AT&T KY in writing 10 working days prior to start of this operation.

The Contractor shall allow 5 working days for AT&T KY forces to expose and protect their facilities. Contractor to conduct work activities and operations in cooperation with AT&T KY so that interference with AT&T KY's work will be reduced to a minimum.

The Department will consider submission of a bid as the Contractor's agreement to not make any claims for additional compensation due to delays or other conditions created by the operations of AT&T KY. Working days will not be charged for those days on which work on AT&T KY facilities is delayed, as provided in the current edition of the KY Standard Specifications for Road and Bridge Construction. Should a difference of opinion arise as to the rights of the Contractor and others working within the limits of, or adjacent to the project, the KYTC Resident Engineer will decide as to the respective rights of the various parties involved in order to assure the completion of the Department's work in general harmony and in a satisfactory manner, and his decision shall be final and binding upon the Contractor.

**THE FOLLOWING COMPANIES HAVE FACILITIES TO BE RELOCATED/ADJUSTED BY THE ROAD CONTRACTOR AS INCLUDED IN THIS CONTRACT**

**Shelbyville Municipal Water and Sewer Commission:** Shelbyville Water and Sewer Commission has an existing 10" water main partially encased in a 16" steel casing pipe running south to north at Station 2241+95 105' Rt. to Station 2242+00 112' Lt. that is to be abandoned in place by filling the exposed ends with a minimum of two feet length of cement-sand. The existing main is to be replaced by the Contractor as part of the roadway construction project as shown on the Relocation Plans by a proposed 18" water main running south to north beginning at Approximate Station 2242+16 230' Rt. to Approximate Station 2242+16 217' Lt., reducing to a 10" water main running northwest to tie into the existing 10" water main at Approximate Station 2241+70 340' Lt. The 18" water main is to be partially encased in a 36" steel cover pipe as shown on the Relocation Plans. **Blasting shall not be permitted by the contractor.** See the plans, specifications and special notes concerning the relocations.

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#### SPECIAL CAUTION NOTE – PROTECTION OF UTILITIES

The contractor will be responsible for contacting all utility facility owners on the subject project to coordinate his activities. The contractor will coordinate his activities to minimize and, where possible, avoid conflicts with utility facilities. Due to the nature of the work proposed, it is unlikely to conflict with the existing utilities beyond minor facility adjustments. Where conflicts with utility facilities are unavoidable, the contractor will coordinate any necessary relocation work with the facility owner and Resident Engineer. The Kentucky Transportation Cabinet maintains the right to remove or alter portions of this contract if a utility conflict occurs.

The utility facilities as noted in the previous section(s) have been determined using data garnered by varied means and with varying degrees of accuracy: from the facility owners, a result of S.U.E., field inspections, and/or reviews of record drawings. The facilities defined may not be inclusive of all utilities in the project scope and are not Level A quality, unless specified as such. It is the contractor's responsibility to verify all utilities and their respective locations before excavating.

#### BEFORE YOU DIG

The contractor is instructed to call 1-800-752-6007 to reach KY 811, the one-call system for information on the location of existing underground utilities. The call is to be placed a minimum of two (2) and no more than ten (10) business days prior to excavation. The contractor should be aware that owners of underground facilities are not required to be members of the KY 811 one-call Before-U-Dig (BUD) service. The contractor must coordinate excavation with the utility owners, including those whom do not subscribe to KY 811. It may be necessary for the contractor to contact the County Court Clerk to determine what utility companies have facilities in the area.

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***Please Note: The information presented in this Utility Note is informational in nature and the information contained herein is not guaranteed.***

## SPECIAL NOTES FOR UTILITY CLEARANCE

### IMPACT ON CONSTRUCTION

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#### Shelby County - Utility Owners

1. LG&E KU (Electric)  
820 West Broadway  
Louisville, KY 40202  
LG&E Emergency Number (502) 589-1444  
KU Emergency Number 1-800-331-7370

Greg Geiser  
work: (502) 627-3708  
[Greg.Geiser@LGE-KU.com](mailto:Greg.Geiser@LGE-KU.com)
  
2. LG&E (Gas)  
820 West Broadway  
Louisville, KY 40202  
Emergency Number (502) 589-5511

Greg Geiser  
work: (502) 627-3708  
[Greg.Geiser@LGE-KU.com](mailto:Greg.Geiser@LGE-KU.com)
  
3. AT&T KY  
3719 Bardstown Road - 2nd Floor  
Louisville, KY 40218

Morgan Herndon  
[Morgan.Herndon@att.com](mailto:Morgan.Herndon@att.com)  
(502) 458-7312
  
4. Shelby Energy Cooperative  
P.O. Box 311, 620 Old Finchville Road  
Shelbyville, KY 40065

Jason Ginn  
[Jason@ShelbyEnergy.com](mailto:Jason@ShelbyEnergy.com)  
cell: 502-643-2778  
(502) 633-4420
  
5. North Shelby Water District  
P.O. Box 97 5913 Elmburg Rd.  
Bagdad, KY 40003

Pete Hedges  
[PeteHedges@BellSouth.net](mailto:PeteHedges@BellSouth.net)  
(502) 747-8942
  
6. Atmos Energy  
130 Stonecrest Road Suite105  
Shelbyville, KY 40065

Bernie Anderson  
cell: 502-321-8073  
(502) 633-2831 ext. 104  
[Bernie.Anderson@AtmosEnergy.com](mailto:Bernie.Anderson@AtmosEnergy.com)  
Earl Taylor  
[Earl.Taylor@AtmosEnergy.com](mailto:Earl.Taylor@AtmosEnergy.com)  
Cell: 859-583-0306  
Office: 859-236-2300  
**Send to both contacts**
  
7. Mid - Valley Pipeline Company  
4910 Limaburg Road  
Burlington, KY 41005

Todd Calfee  
(859) 371-4469x14  
859-630-8271  
FAX (866) 699-1185  
[RTCALFEE@SunocoLogistics.com](mailto:RTCALFEE@SunocoLogistics.com)



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| <b>8.</b> Shelbyville Water & Sewer Commission<br>1059 Washington Street<br>Shelbyville, KY 40065                                                                | Tom Doyle<br><a href="mailto:TGDoyle@BellSouth.net">TGDoyle@BellSouth.net</a><br>(502) 633-2840                                                                                                                                                                                                                                                                                                    |
| <b>9.</b> Insight Communications Company<br>4701 Commerce Crossings Dr.<br>Louisville, KY 40229                                                                  | Deno Barbour<br>Cell: (502) 664-7395<br>Office(502) 357-4376<br><a href="mailto:Barbour.D@Insightcom.com">Barbour.D@Insightcom.com</a>                                                                                                                                                                                                                                                             |
| <b>10.</b> U.S. 60 Water District<br>P.O. Box 97<br>Bagdad, KY 40003<br><br>Engineer: Sandy Broughman                                                            | Pete Hedges<br><a href="mailto:PeteHedges@BellSouth.net">PeteHedges@BellSouth.net</a><br><a href="mailto:NSWUS60@BellSouth.net">NSWUS60@BellSouth.net</a> (old)<br>502-747-8942<br>(859) 271-1778                                                                                                                                                                                                  |
| <b>11.</b> West Shelby Water District<br>P.O. Box 39<br>Simpsonville, KY 40067                                                                                   | Steve Eden<br><a href="mailto:SEden@WestShelbyWater.org">SEden@WestShelbyWater.org</a><br>(502) 722-8944<br>Engineer: Kenvirons-Chris Jones                                                                                                                                                                                                                                                        |
| <b>12.</b> City of Simpsonville Sewer Board<br>P.O. Box 378<br>Simpsonville, KY 40067<br>(502) 722-5634                                                          | Bryan Romine (Plant)<br>Office: 502-722-5634<br>Cell: 442-5608<br><a href="mailto:BRomine1@gmail.com">BRomine1@gmail.com</a><br>Engineer: Derrick Engineering<br>Dave Derrick/Walter Elmes<br>(502) 636-9273<br><a href="mailto:DerrickInc@BellSouth.net">DerrickInc@BellSouth.net</a>                                                                                                             |
| <b>13.</b> Kentucky Data Link (KDL now Windstream)<br>Project Manager<br>3701 Communications Way<br>Evansville, IN 47715<br>(Address envelopes ATTN LaDon Haley) | Rick Cunico<br>ph: (618) 648-2420<br>Cell:812-760-6602<br>Fax: (812) 456-4731<br>(812) 759-7844(Maintenance)<br><a href="mailto:WCI.Maintenance.South@Windstream.com">WCI.Maintenance.South@Windstream.com</a><br>Timothy Gibson (Fiber location/relocation)<br><a href="mailto:Timothy.Gibson@Windstream.com">Timothy.Gibson@Windstream.com</a><br>(812) 454-6756<br><b>Send to both contacts</b> |

## SPECIAL NOTES FOR UTILITY CLEARANCE

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|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>14.</b> | <p>AT&amp;T Legacy<br/>4500 Johnston Pkwy.<br/>Cleveland, OH 44128</p>                                                                                      |    | <p>Mike Diederich<br/><a href="mailto:MD4145@att.com">MD4145@att.com</a><br/>(216)-587-6267<br/>(216)-212-8556<br/>Don Garr<br/><a href="mailto:DRGarr@Hughes.net">DRGarr@Hughes.net</a><br/>Cell: (502) 741-8374<br/><b>Send to both contacts</b></p>                                                                                                              |
| <b>15.</b> | <p>City of Taylorsville Sewer &amp; Water<br/>70 Taylorsville Rd., P O Box 279<br/>Taylorsville, KY 40071</p>                                               |    | <p>Contact: Harold Compton<br/><a href="mailto:HCompton@TaylorsvilleWater.org">HCompton@TaylorsvilleWater.org</a><br/>(502) 477-3235<br/>Fax: (502) 477-1310</p>                                                                                                                                                                                                    |
| <b>16.</b> | <p>East Kentucky Power Coop<br/>4775 Lexington Road<br/>Winchester, KY 40391</p>                                                                            | OR | <p>Garry Harvey<br/><a href="mailto:Garry.Harvey@EKPC.coop">Garry.Harvey@EKPC.coop</a><br/>(859)745-9601</p>                                                                                                                                                                                                                                                        |
|            | <p>P O Box 707<br/>Winchester, KY 40391</p>                                                                                                                 | OR | <p>Jason Witt<br/><a href="mailto:Jason.Witt@ekpc.coop">Jason.Witt@ekpc.coop</a><br/>Cell: (859) 749-9110<br/>Office (859) 745-9596<br/>Barry Warner<br/><a href="mailto:Barry.Warner@ekpc.coop">Barry.Warner@ekpc.coop</a><br/>(859) 745-9304<br/>Garry Harvey<br/><a href="mailto:Garry.Harvey@ekpc.coop">Garry.Harvey@ekpc.coop</a><br/>Office: 859-745-9601</p> |
|            | <p>Include Garry on facility map requests.</p>                                                                                                              |    |                                                                                                                                                                                                                                                                                                                                                                     |
| <b>17.</b> | <p>Marathon Pipeline, LLC<br/>539 S Main St, Rm 7642<br/>Findlay, OH 45840</p>                                                                              |    | <p>David Wisner<br/><a href="mailto:DSWisner@MarathonPetroleum.com">DSWisner@MarathonPetroleum.com</a><br/>(419) 421-2211</p>                                                                                                                                                                                                                                       |
| <b>18.</b> | <p>Crown Castle Network Operations<br/>10170 Linn Station Road<br/>Suite 525<br/>Louisville, KY 40223<br/>(builds cell towers and leases space on them)</p> |    | <p>Brian Watkins<br/><a href="mailto:Brian.Watkins@CrownCastle.com">Brian.Watkins@CrownCastle.com</a><br/>(502)318-1323<br/>Brandy Bowling (Brian's supervisor)<br/><a href="mailto:Brandy.Bowling@CrownCastle.com">Brandy.Bowling@CrownCastle.com</a><br/>(502)318-1322</p>                                                                                        |

**SPECIAL NOTES FOR UTILITY CLEARANCE**  
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**Railroad Companies**

**1. C.S.X. Transportation, Inc.**

Contacts:

Dave Fette (Ft. Wright) – (859) 344-8137

Milton Holder – crossings – cell (502) 817-2011

John Williams – crossings – cell (502) 376-8745, Office (502) 364-1133

Joe Malandruco (Florida) – signals (904) 245-1160

**2. R. J. Corman Railroad Corp.**

One Jay St.

Nicholasville, KY 40356

Mike Lamar

(859) 881-2502

Dispatcher (859) 881-2503