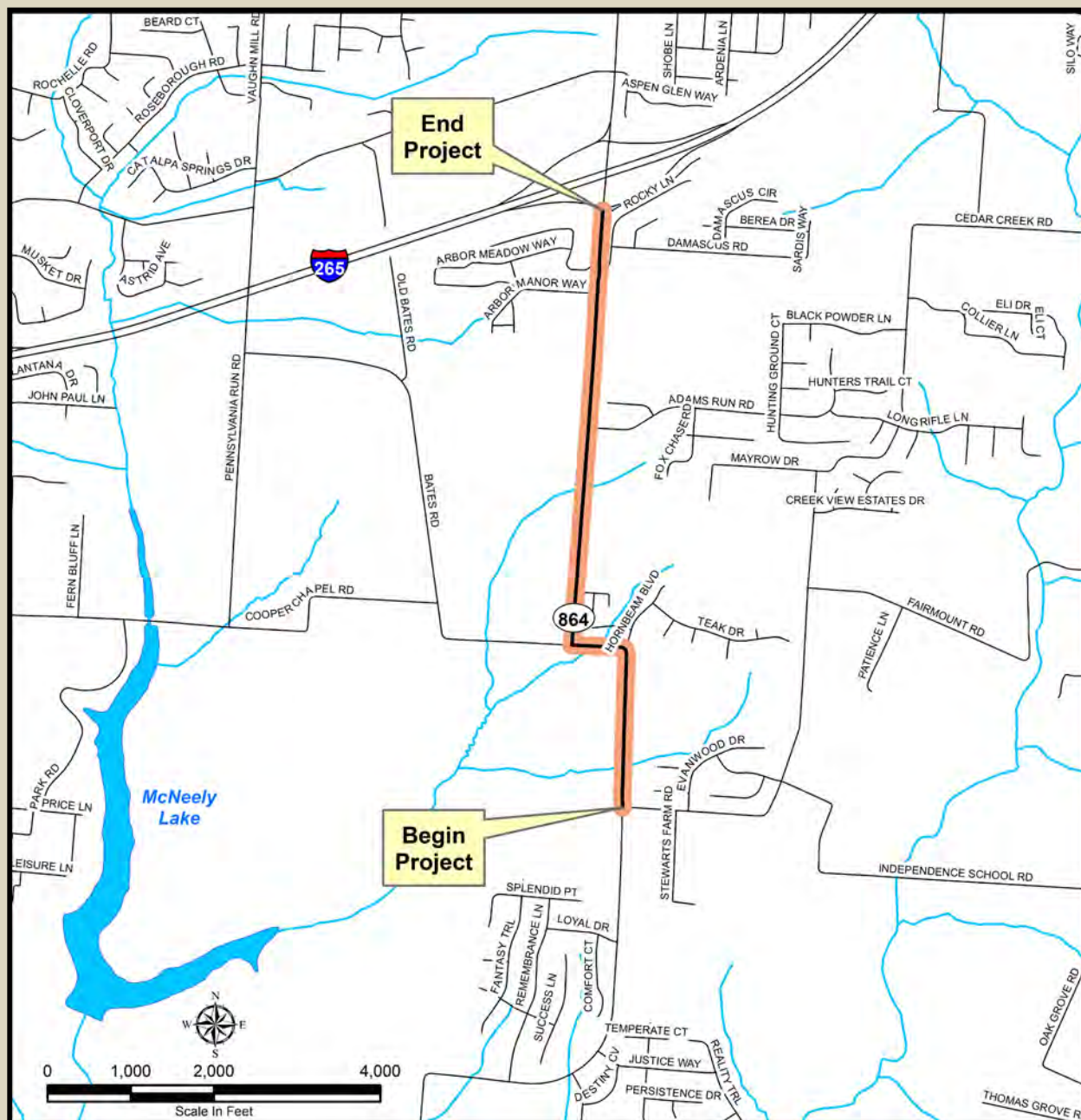


## KY 864 BEULAH CHURCH ROAD WIDENING



### ADVISORY COMMITTEE MEETING

5:00 PM, Thursday, June 12, 2014

Teamsters Local 783 Hall, 7711 Beulah Church Road  
Louisville, Kentucky



## Second Advisory Committee Meeting

### Meeting purpose and goals

The purpose of this second advisory committee meeting is to present the preliminary engineering designs developed to date, and seek the input of local officials and concerned parties for the Beulah Church Road reconstruction project.

### Project description

The project begins at Cedar Creek Road (MP 1.818), travels north through residential areas and subdivisions to Arbor Manor Way (MP 3.095), then continues through more high density residential developments (apartments/condos) from Arbor Manor Way to Rocky Lane (MP 3.152) where the project ends.

The existing road has two 11-foot travel lanes with some sidewalks and shoulders. There are two undesirable right angle turns at the intersections with Cooper Chapel Road. There are no turn lanes on this section of KY 864 and profile grades are considered moderate to steep. Access control is by permit. Design speed and posted speed limit are the same at 35 mph. Gas, water, sewer, power, telephone and cable utilities are located along both sides of the existing roadway.

### Estimated Project Schedule

Initial Advisory Committee Mtg.	July 18, 2013
Preliminary Alternates	Spring 2014
Second Advisory Committee Mtg.	June 12, 2014
Public Meeting	Summer 2014
Preferred Alternate Selection	Fall 2014

### Geometry

All proposed geometry will meet the criteria for a 35 mph design speed, meaning the curves and hills will be smoother, flatter and safer to drive. An urban typical section is proposed, which will utilize curb and gutter, a 5' sidewalk on the west side of the road, and 10' shared use path on the east. The proposed mainline typical sections used for the alternates developed are shown on a separate sheet included with this handout.

### Project background

*Current Budget (KIPDA ID 1879):*

Preliminary Design: **\$700,000\***

Right of Way, Utilities Relocation and Construction are

currently not scheduled. These phases could be added, including additional design, into the next few fiscal years once revised phase cost estimates are developed and the anticipated fiscal years are determined.

*\*SLO Funding (Federal Statewide Funds dedicated to Louisville)*

### Purpose and need

**PURPOSE:** Improve the access, safety and mobility of Beulah Church Road south of the Gene Snyder Freeway.

**NEED:** The Beulah Church Road (KY 864) corridor is a rapidly developing section of Louisville with increasing traffic demand. KY 864 is classified as an urban collector and has many access points. It carries traffic from growing residential suburbs to the Gene Snyder Freeway (I-265) with growth expected to continue. Currently the Cooper Chapel Road extension (5-404.01) to Bardstown Road (US 31E) is currently under design and will bring additional traffic to the route.

### Traffic data

**Segment 1** – Cedar Creek Road to Adams Run Road

**Segment 2** – Adams Run Road to Rocky Lane

	2012		2032	
	ADT	DHV	ADT	DHV
Segment 1	7,600	960	9,600	1,210
Segment 2	5,300	660	6,700	820

*ADT = Average daily traffic DHV = Design hourly volume*

### Known design constraints

- Existing subdivisions and subdivision entrances
- Existing utilities
- Cooper Chapel Road extension connection
- Cedar Creek Rd. intersection improvements
- Property impacts
- Engineering design guidelines

### Meeting Materials

The materials presented at this meeting will be available online at the KYTC District 5 website. This information includes the electronic versions (PDF) of the aerial photo exhibits and this meeting handout.

The website can be accessed at:

<http://transportation.ky.gov/District-5>

### Advisory Committee

The initial meeting was held on July 18, 2013 where numerous issues were discussed including; operational/safety concerns, right-of-way impacts, local streams, utility impacts, proposed roadway width (typical section) and pedestrian and bicycle use.

**KY 864 (Beulah Church Road)**  
**State Item Number 5-481.00**  
**Jefferson County**



**June 12, 2014**

**Utility Coordination**

As part of the preliminary design process, the project team held three meetings with utility representatives. This early coordination effort was included to minimize impacts that improvements may have on utilities, and to expedite the relocation process where necessary. The utility representatives were asked to review the plans and comment on each alternate. Comments included:

- *Louisville Water Company (LWC)*: minor (6-inch or less) additional fill is acceptable; deeper and/or extended fills will require review and possible relocation.
- *LWC*: prefer location between curb and sidewalk; locate storm sewers away from their facilities.
- *Louisville Gas and Electric (LG&E)*: require 8-feet of additional width to accommodate their utility poles and gas main.
- *LG&E*: impractical to salvage parts of the overhead line west of the project; lines should be replaced for the length of the project for all 3 alternates.
- *LG&E*: Two utility poles carrying 69 kV lines across the project corridor will also require relocation.
- *AT&T and Time Warner Cable (TWC)*: lines would be relocated with LG&E's overhead lines.

**Design process**

*Public involvement*

Planned advisory committee meetings: **2 (1 held)**  
 Planned public meetings: **1**

*Utility involvement*

Planned utility meetings: **1 (3 held)**

*Environmental*

Environmental investigations are underway.

*Alternate development*

**Alternate No. 1 (red)** utilizes the existing centerline from Cooper Chapel Road north to Interstate 265. Also, the intersection of Cooper Chapel Road and Cedar Creek Road is modified to improve turning site distances.

**Alternate No. 2 (blue)** has the majority of the proposed centerline shifted approximately 7 to 13 feet east of the existing centerline from Cooper Chapel Road north to Interstate 265. This alternate utilizes the same intersection improvement for Cooper Chapel Road and Cedar Creek Road as Alternate 1.

**Alternate No. 3 (purple)** begins south of the

intersection of Cooper Chapel Road and Cedar Creek Road, and then proceeds north to the intersection of Cooper Chapel Road and Cedar Creek Road, and includes a temporary tie-in for the Cooper Chapel Road project. This alignment then ties back to Alternate 2 approximately 1,050 feet north of the Cooper Chapel Intersection.

A summary of key project design features is presented in the table below.

	Alternate No. 1	Alternate No. 2	Alternate No. 3
<b>Mainline Length</b>	0.94 miles	0.94 miles	1.63 miles
<b>Parcels Affected</b>	63	64	82
<b>Right of Way Needed*</b>	4.85 Acres	6.11 Acres	9.81 Acres
<b>Potential Structures Affected</b>			
Commercial	0	0	0
Residential	0	0	4
Farm	0	0	0
Storage	0	0	5
<b>Earthwork (cubic yards)</b>	19,488	21,498	53,653
<b>Stream Crossings</b>	1	1	3
<b>TOTAL CONSTRUCTION COST</b>	<b>\$3.7 million</b>	<b>\$4.1 million</b>	<b>\$6.1 million</b>

*Quantities and costs are approximate.*

*\* Includes Permanent Easements.*

**Contact Information**

**KYTC**

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District 5

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**GRW**

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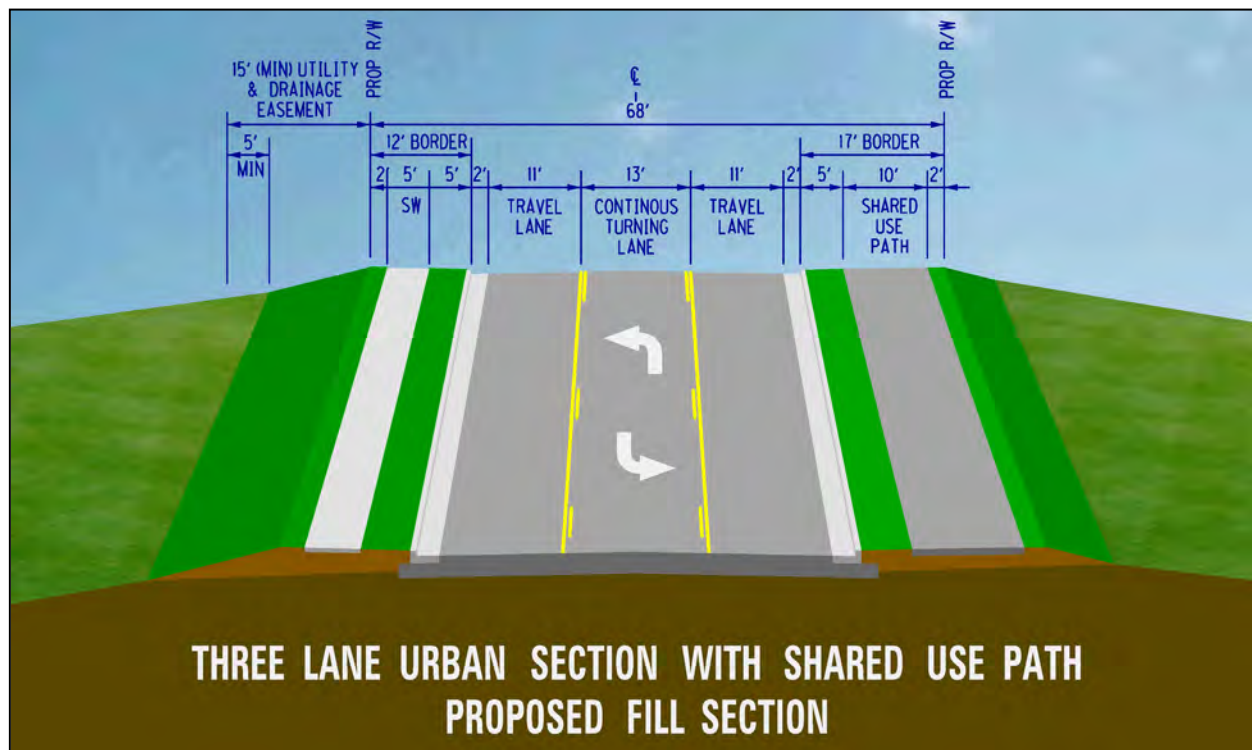
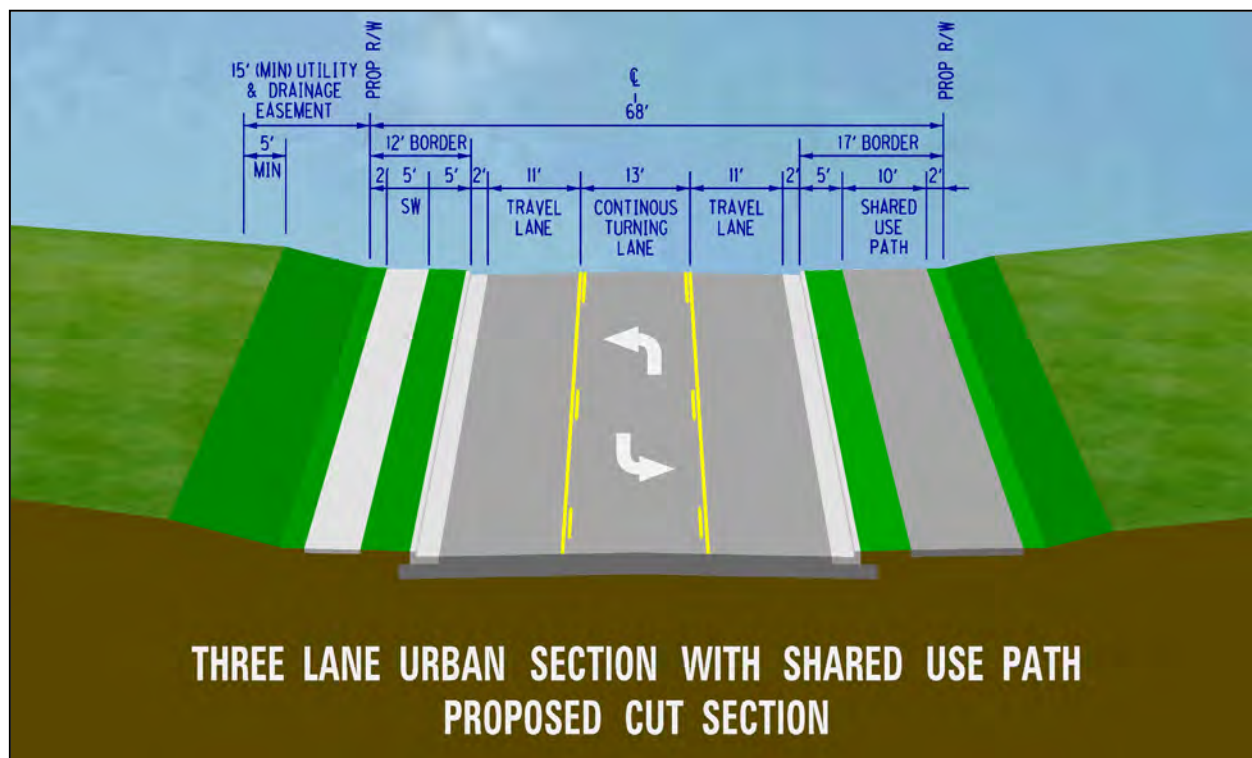
Fax: (502) 489-8485





## Typical Sections

The two images below show the proposed typical roadway sections that were selected to best meet the purpose and need of the project. A 15-foot minimum permanent utility and drainage easement is included on the west (left) side of the roadway to accommodate utility relocations and drainage features. Some permanent drainage easements are needed on the east (right) side of the roadway as well, but are not typical for all areas.



## Utilities Along Project Area:

- **Gas:**  
LG&E - 4" Plastic Gas of KY 864 (east side)
- **Water:**  
Louisville Water Company (west side)
- **Sanitary Sewer:**  
Louisville & Jefferson County /Metropolitan Sewer District (various locations)
- **Power:**  
LG&E (west side)
- **Telephone:**  
AT&T - Overhead (west side)
- **Cable:**  
Time Warner Cable - Overhead (west side)



North, overhead electric utilities along left side



North, along residential area



North from Solid Rock Church Entrance



MSD Pump Station east of KY 864



BEGIN

END



North at Cedar Creek Road Intersection



North at entrance to Woodridge Crossings Subdivision



West at box culvert inlet end



North at Adams Run Subdivision Entrance



North at tie-in towards Gene Snyder Freeway



engineering | architecture | geospatial

KY- 864- Widen Beulah Church Rd  
from Cedar Creek Rd to I-265 Interchange  
Jefferson County, KY | Item No. 5-481.00  
Advisory Committee Meeting  
June 12, 2014

KY 864 (Beulah Church Road)  
State Item Number 5-481.00  
Jefferson County



June 12, 2014

### Comment Form

- 1) Please indicate with a check mark the design alternate that you feel provides the best overall solution for the KY 864 – Beulah Church Road Reconstruction Project. Please provide any comments as to why you prefer this alternate:

- ☐ **Alternate 1 (red)**  
☐ **Alternate 2 (blue)**  
☐ **Alternate 3 (purple)**  
☐ **No-Build**

**Comments:** \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

- 2) Please describe any changes you would suggest to improve your preferred Alternate, or a different alternate you would like to see explored:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

- 3) Please provide any information that could affect the location and design of the proposed roadway such as safety issues, property/development, utility locations, drainage problems, natural resources, cemetery locations, etc.:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

*Please provide your name and address for our records:*

**NAME:** \_\_\_\_\_

**ADDRESS:** \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

**Please return completed Comment Form by June 26<sup>th</sup> to:**

Keith Downs  
Kentucky Department of Highways  
District 5  
8310 Westport Road  
Louisville, KY 40242

*Please use the back of this form for additional comments.*