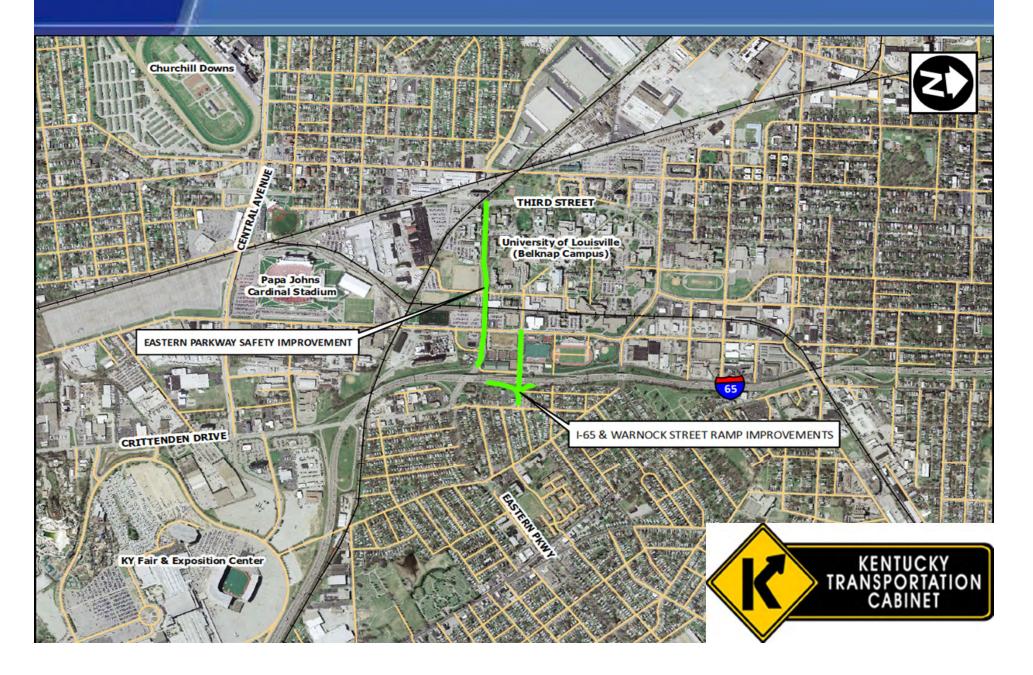


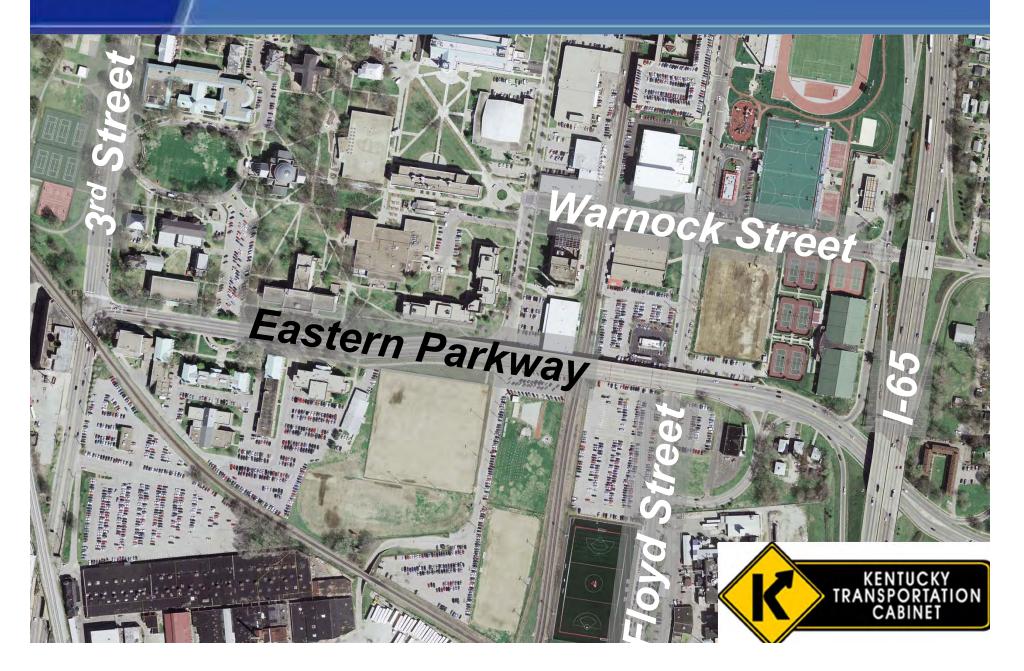




Project Location



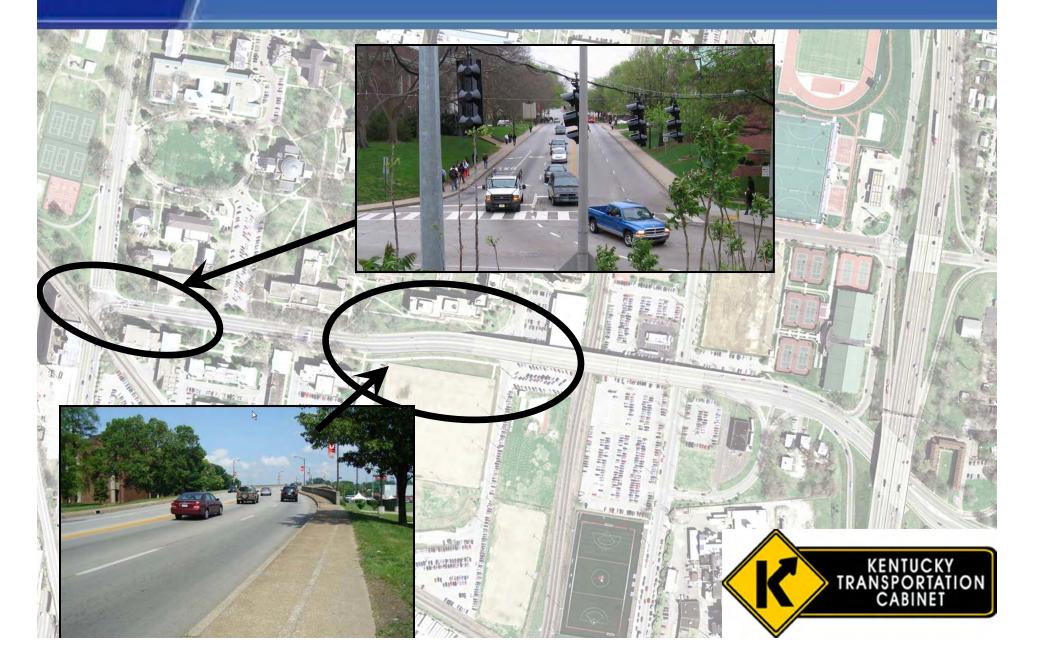
Project Location Information

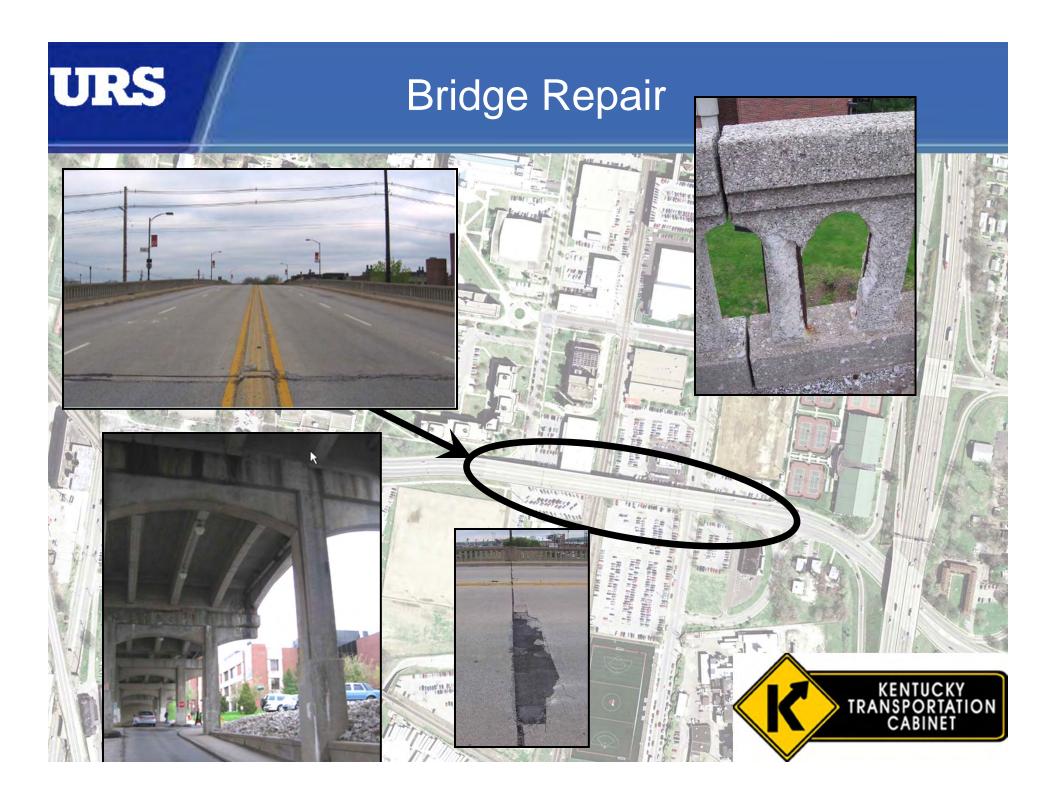


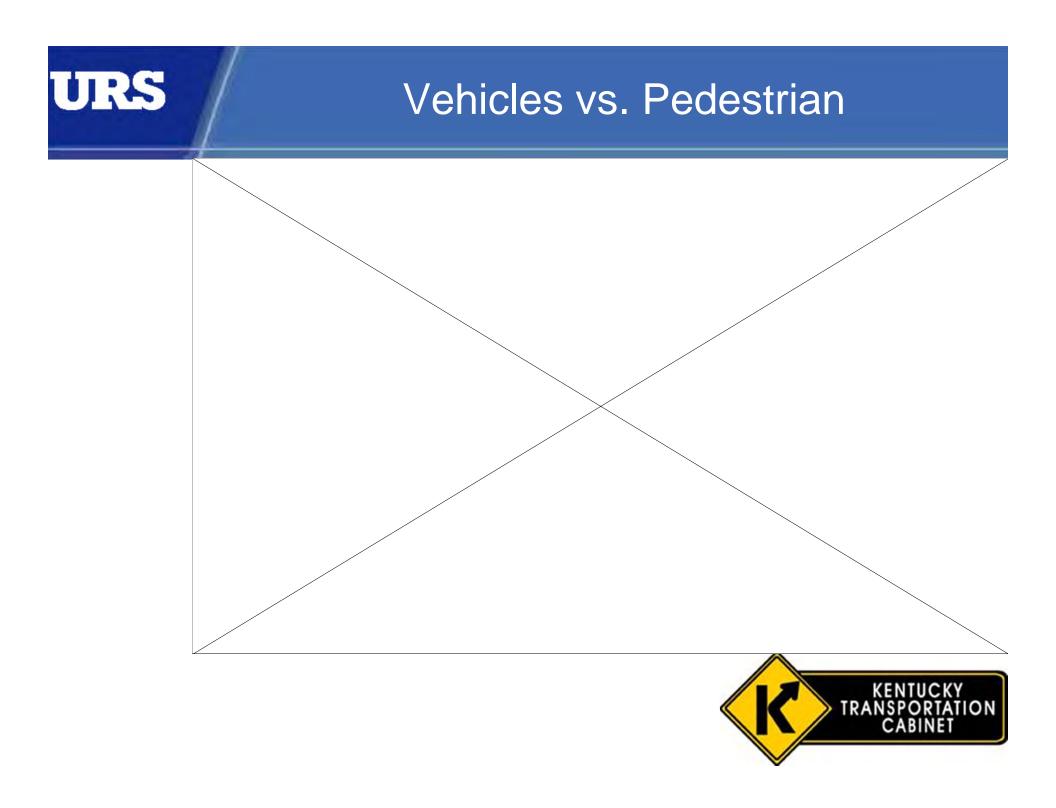
Warnock / I-65 Improvement



Eastern Parkway Improvements







Purpose and Need

- Enhance All Aspects of Safety
- Enhance Multi-Modal Facilities (bike, bus, pedestrian)
- Improve Campus Cohesion
- Decrease Crashes Involving Trucks with Third Street Viaduct







Coordination / Partner Agencies

- University of Louisville
- Louisville Metro Public Works
- Louisville Metro Parks (Olmsted System)
- Louisville Water Company
- TARC
- FHWA
- CSX
- LG&E
- AT&T
- MSD



Creative Funding and Letting

- 3 Projects grouped to control schedule
 - (5-397, 5-964.10, 5-1050)
- FD39

- FD04
- TE Funds
- ARRA TE Funds
- BRO Funds
- HES (HSIP) Funding
- U of L matching funds
- THANKS IVAN!!!





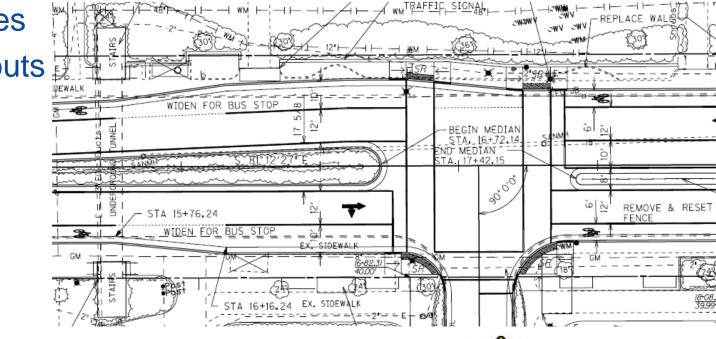
Eastern Parkway – Creative Design

- Context Sensitive
- Complete Street Concepts
 - Designed for Access of All Users
 - Bikes
 - Peds
 - Transit
 - Auto
 - No One Design Template



Plan Development

- Roadway Plan Set
 - New ADA Sidewalks
 - Audible Ped Signals
 - Bike Lanes
 - Bus Pullouts



KENTII

TRANSPORTA CABINET

Project Specific Elements

TRANSPORTATION CABINET

Landscaping Plan



Project Specific Elements

- Restricting Pedestrian Movements
 - Ornamental Fencing
 - Elevated Sidewalks

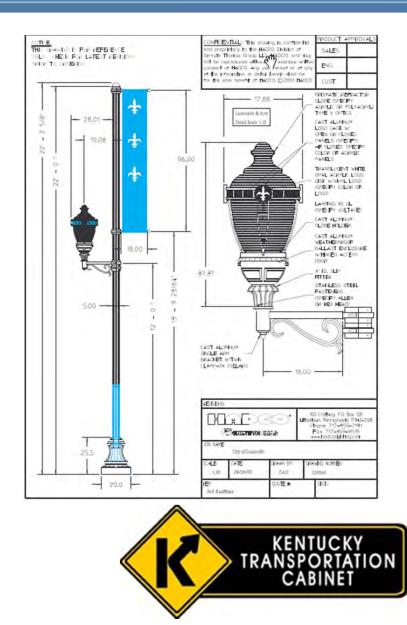






Project Specific Elements

- Other Amenities
 - New & Relocated Bus Shelters
 - Pedestrian Level
 Lighting
 - Truck Height Detection
 System



Changes on Eastern Parkway

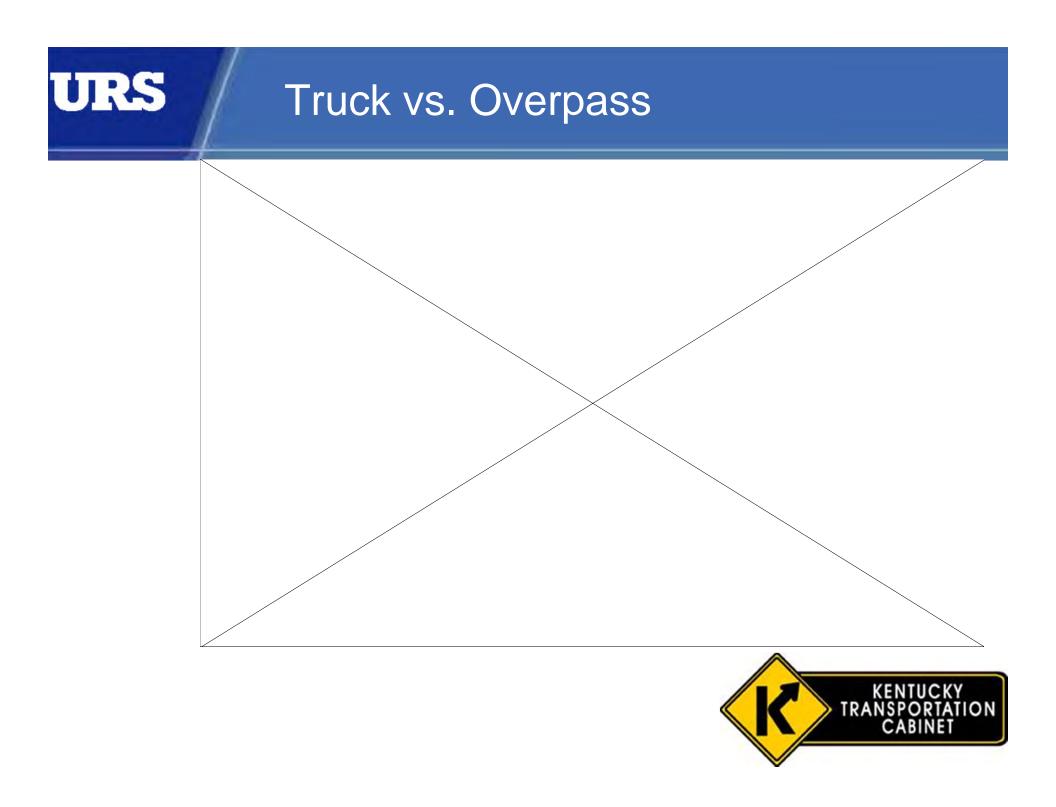
- U of L Speed School Circle Drive Eliminated
- Gated Lot Entrances Eliminated
- Pedestrian Tunnel Closed
- US 60A Will Be Moved to Central Avenue









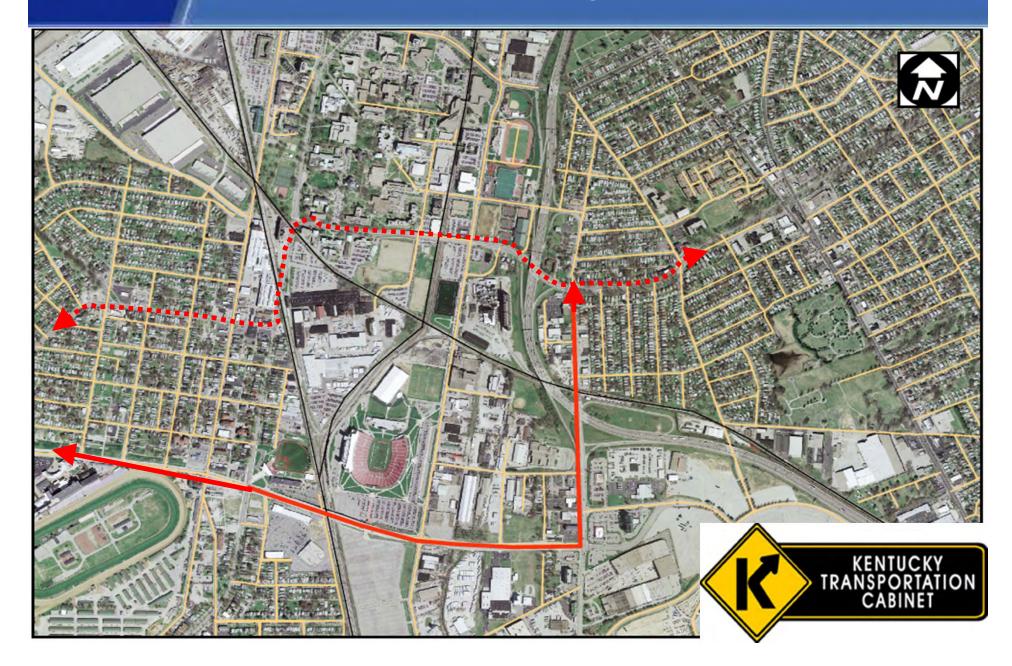


Truck Height Detection System

- Truck Height Detection System
 - Directs Trucks Away from Bridge
 - Optical Height Sensors
 - Also on 3rd Street



Rerouting US 60A



Warnock / I-65 Improvement





Warnock Street Improvements





Warnock Previous Conditions





Warnock Previous Conditions







Warnock Previous Conditions





URS I-65/Warnock Street Improvements Modified Ramps to Legitimize Illegal Left Turn Movements for Better Campus Access D INTERSTATE 65 52+00 ទ្ 50+02 END CONSTRUCTION BEGIN CONSTRUCTION RAMP K STA. 53+80.00= PLATFORM RAMP K WARNOCK STA. 102+29.00 Jel 10-414-07 STA. 50+00.00 TOP PTT-415 AHEAD 502 BROND WAY SIDE REGAT TUR RAMP NOVE EX BOLL ON 1504 295' TAPER @ 25: Fir The TS WRONG WAY SIDN Ex. M = = 70 476.20 END TAPER 8-75 EN CB TG-475.87 NO LEFT TURN STON Top of # Bir-472.13 0[ONE-WAY SECO L Sr Sollinger H Sellinger (wi PETADIDIG WALL 2004 DO NOT ENTER SE DISTURE 8 8 8 2 MATCHLINE ALC. 80 8 8 5 EX RV E b

Warnock Street Improvements

- Other Improvements
 - New ADA Sidewalks
 - Added Left Turn Lane
 - Pedestrian Lighting
 - Traffic Signal System







Eastern Parkway Bridge Repairs



Eastern Parkway Bridge Repairs

- 15 Span RCDG Bridge
- 794 Feet Long
- Nearly 60 Years Old
- Built to Cross CSX RR
- Also Crosses Floyd & Brook Streets







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NEW SIDEWALK

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Eastern Parkway Bridge Repairs

6.

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NEW SIDEWALK

11

- EASTERN PARKWAY BRIDGE
 - New Sidewalks & Railings
 - Bike Lanes
 - Textured Median
 - Pedestrian Street Lighting
 - Joint Replacement



EASTERN PARKWAY 2-LANE ON BRIDGE STA, 22 + 68.36 TO STA, 31 + 18.27

DECORATIVE CONCRETE MEDIAN

NEW BRIDGE MOUNTED LIGHTING TO MATCH NEW RDADWAY LIGHTING

-NEW SIDEWALK AND RAILING REINFORCING NOT SHOWN



Eastern Parkway Bridge

- University of Louisville Coordination
 - U of L had to vacate office during portions of construction





Eastern Parkway Bridge Repairs

- Texas Classic Railings (Precast)
- Pier Rehabilitation









Complete Street Project Specific Elements

CSX Coordination





Project Phasing - TMP

- Project Team wanted to control construction schedule so the 3 projects were grouped.
 - Construct I-65 / Warnock Street first to improve interstate access to U of L.
 - I-65 / Warnock Street built during 16 day closure.
 - After Warnock Complete Eastern Parkway construction was allowed to proceed.
 - Eastern Parkway Bridge closed for 6 months.
 - Eastern Parkway outside the bridge limits built part-width to maintain access to U of L Speed School Parking Lot.
 - Pedestrian Detour Plans Developed.



New blue and green temporary parking

Project Phasing Public Relations

Eastern Parkway Construction LOUISVILLE. Belknap Campus It's Happening Here, Field Eastern Parkway Exit 1338 29 SGA/Parkway Intramural Complex Field 37 <u>H</u>(() To aps John's Stadium G Field Plekup S Legend I-65 Eastern Parkway Exit 133B, I-65 North entrance ramp at Warnock Street, Warnock Street between Arthur and Crittenden Drive, and Hahn Street. Closed 16 days starting late August (Phase I). West end of Eastern Parkway between Third Street and the traffic light at JB Speed School Eastern Parkway between traffic light at JB Speed School to Hahn Street. Arthur Street between Warnock and Eastern Parkway. Closed from end of first phase through Dec. 31 (Phase II). Displaced parking. Relocated red permit parking



Project Phasing

• KEY ELEMENTS

- Mandatory Pre-Bid Meeting Held
- Bid Item for Formal Partnering in Contract
- TARC Coordination Student Buses
- Waterline w/ Roadway Contract
- Continuous Coordination with U of L



Project Evolution











Issues / Lessons Learned

- Bridge work took longer than expected
- ARRA TE Funds Full FHWA Oversight
- Abandoned UG Utilities
- One contact per Agency
- Share information early and often
- Need MOA for maintenance







