



U.S. Department  
of Transportation  
**Federal Highway  
Administration**



# 2011

## Excellence in Utility Relocation and Accommodation Awards

**Project Development**

**Construction Management**

**Incentives**

**Innovation**

**Leadership**

# 2011 Excellence in Utility Relocation and Accommodation Awards

Congratulations to the nominees and winners of the Federal Highway Administration's *2011 Excellence in Utility Relocation and Accommodation Awards!* This awards program honors the use of innovative practices and outstanding achievements with reducing the cost or shortening the time required to accommodate or relocate utilities associated with highway improvement projects. The goal of this program is to showcase exemplary and innovative projects, programs, initiatives, and practices that successfully integrate the consideration of utilities in the planning, design, construction, and maintenance of transportation facilities.

This year's award winners demonstrate these exemplary practices and achievements in the following categories: Project Development, Construction Management, Innovation, and Leadership. The award recipients were honored on May 11 during the 2011 American Association of State Highway and Transportation Officials (AASHTO) annual meeting of the Subcommittee on Design and the Subcommittee on Right-of-Way and Utilities in St. Louis, Missouri. In this brochure, you will read about innovative projects, programs, initiatives, and collaborative efforts from around the country.

For more information, please refer to the following Web sites:

Excellence in Utility Relocation and Accommodation Awards--<http://www.fhwa.dot.gov/utilities/>  
FHWA Utility Program--<http://www.fhwa.dot.gov/programadmin/utility.cfm>

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**We would like to express our appreciation and gratitude to the following professionals who have donated their time and expertise in judging this awards program.**

**Charles F. Carson, PE**  
Railroad and Utilities Engineer  
Indiana Department of Transportation

**Robert G. Lee, PE**  
State Utilities Engineer  
Alabama Department of Transportation

**Cesar Quiroga, PhD, PE**  
Research Engineer and Manager  
Texas Transportation Institute

**C. Paul Scott, PE**  
National Utilities Liaison  
Cardno TBE

**Nelson P. Smith, Jr.**  
Statewide Utility Engineer  
Maryland State Highway Administration

# Excellence Award for Project Development

## Mountain View Corridor Project, Salt Lake, Utah

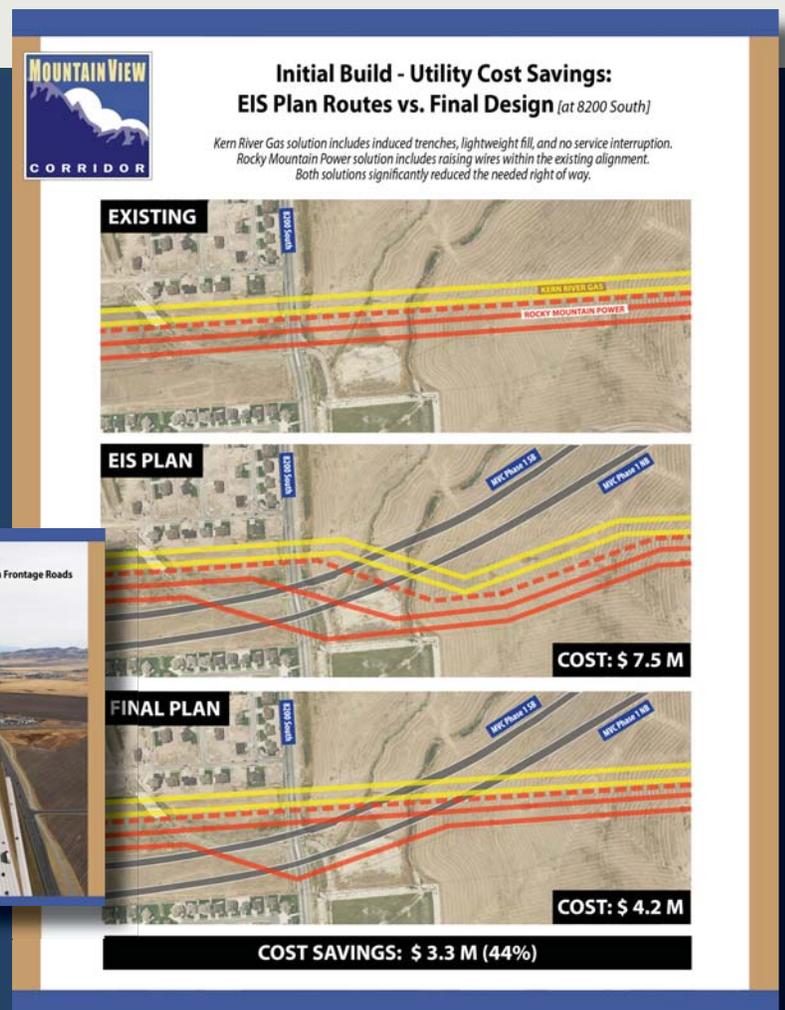
This award recognizes the Mountain View Corridor Project for utilizing partnering agreements, master agreements, cost sharing, and acquisition of rights-of-way on behalf of the utilities to advance the project. The project team proactively sought understanding of the concerns, constraints, policies, and process of the utility companies.

The Mountain View Corridor in Salt Lake County encounters a 300-foot power/gas transmission corridor at several locations. The initial estimate to relocate major utilities within the transmission corridor was \$30 million. The strategies and partnering efforts employed to build trust and resolve issues resulted in successful and rewarding relationships between the project team and utility companies, with the outcomes being a 39-percent reduction in the major utility budget, and a construction schedule that was shortened by 1 year.

### Award recipients:

- Utah Department of Transportation ([www.udot.utah.gov](http://www.udot.utah.gov))
- H.W. Lochner ([www.hwlochner.com](http://www.hwlochner.com))
- Parsons Brinckerhoff ([www.pbworld.com](http://www.pbworld.com))

Contact: Richard Manser, Utah Department of Transportation



Updated December 23, 2010

Louisiana/Arkansas State Border

Designation	Construction Project Name/Notes	Construction Status	Length (Miles)
LA 168 to Arkansas State Line	SP 455-09-0110 Improvement - 67.886	Completed (LH 3/2009)	2.0
SP 455-09-0123 (Paving & Bridge)	630.966	Under Construction (LH 7/2009)	
Construction Complete	Fall 2010		
Mesa-Morris Road to LA 168	SP 455-09-0029 (C & G)	Completed (LH 1/2009)	3.7
SP 455-09-0022 Improvement	371.160	Completed (LH 10/2008)	
SP 455-09-0024 (Paving & Bridge)	321.138	Under Construction (LH 8/2009)	
(Hindus & Dem-Funk)		Under Construction (LH 8/2009)	
Construction Complete	Spring 2011		
LA 2 to Mesa-Morris Road	SP 455-09-0028	Completed	3.7
NEW & USHRA			
CONSTRUCTION	516.666	Under Construction (LH 4/2009)	
(L.J. Lumbard)			
Construction Complete	Fall 2010		
US 716B to LA 2	SP 455-09-0027	Completed	3.7
NEW & USHRA			
CONSTRUCTION	554.666	Under Construction (LH 4/2009)	
(L.J. Lumbard)			
Construction Complete	Fall 2010		
LA 175 to US 716B	SP 455-09-0026	Completed	3.0
NEW & USHRA			
CONSTRUCTION	433.966	Under Construction (LH 4/2009)	
(L.J. Lumbard)			
Construction Complete	Fall 2010		
LA 530 to LA 175	SP 455-09-0025	Completed	3.4
NEW & USHRA			
CONSTRUCTION	433.766	Under Construction (LH 4/2009)	
(L.J. Lumbard)			
Construction Complete	Fall 2010		
LA 168 to LA 530	SP 455-09-0011	Completed	3.0
NEW & USHRA			
CONSTRUCTION	626.466	Under Construction (LH 4/2009)	
(L.J. Lumbard)			
Construction Complete	Fall 2010		
LA 173 to LA 168	SP 455-09-0004	Completed	1.7
NEW & USHRA			
CONSTRUCTION	1510.266	Under Construction (LH 4/2009)	
(L.J. Lumbard)			
Construction Complete	Fall 2010		
LA 1 to LA 173	SP 455-09-0023	Completed	3.8
NEW & USHRA			
CONSTRUCTION	580.766	Under Construction (LH 4/2009)	
(L.J. Lumbard)			
Construction Complete	Fall 2010		
Funding Source: MVA's Fall, Novels, Dem & State Bonds			
LA 120 to LA 1	SP 455-09-0022	Completed	4.25
NEW & USHRA			
CONSTRUCTION	616.966	Unfunded	
To Begin 2011			
LA 1200 to MLK Blvd	SP 455-09-0021	Completed	1.0
NEW & USHRA			
CONSTRUCTION	616.966	Unfunded	
To Begin 2011			

**RECOVERY FUNDED JOBS**  
2/17/2009 – 1/1/2011  
**8,496**

The number of jobs represents the cumulative number of direct, on-project jobs created or sustained by Recovery Act Funds, as reported by vendors on the 1589 Forms.

Statewide Transportation Improvement Program (STIP) -- includes the ARRA STIP Reporting listing all ARRA funded projects and the information required by ARRA Section 1511.

ARRA PROJECT STATUS

Advertised	\$429,859,427.00
Under Contract	\$429,135,248.00
Under Construction	\$429,135,248.00
Construction Complete	\$30,409,057.00

Select Project:

**VENDOR REPORTING LOGIN**

**REPORT FRAUD AND ABUSE**

**RECOVERY.GOV**

49 I-49 North Extension  
I-220 to the Arkansas State Line

Shreveport

## Honorable Mention for Project Development

### Louisiana Department of Transportation and Development (LADOTD)

This award recognizes the LADOTD for meeting the substantial increase in the demand for utility agreements on projects receiving funding from the American Recovery and Reinvestment Act of 2009 (ARRA).

The LADOTD received an additional \$430 million in highway funding, which required obtaining utility agreements on an accelerated schedule for 55 State highway projects. Furthermore, the LADOTD had to coordinate with ten different metropolitan planning organizations to ensure the utility agreements were obtained within this same schedule for all projects on local roads. The LADOTD utility personnel achieved these results by coordinating, collaborating, and maintaining communication with utility companies and local authorities. This coordination and collaboration allowed the LADOTD staff to exchange plans, share other information, and streamline the process for obtaining utility agreements. Their efforts allowed the LADOTD to receive their full allocation of ARRA funds to the benefit of 120 highway projects.

#### Award recipient:

- Louisiana Department of Design and Development ([www.dotd.louisiana.gov](http://www.dotd.louisiana.gov))

Contact: Horace Sharp, Louisiana Department of Design and Development

# Excellence Award for Construction Management

## Neches River Bridge Project, Interstate (IH) 10, Beaumont and Rose City, Texas

This award recognizes the use of a collaborative process to involve stakeholders in the planning, design, and development of agreements, which enabled utilities to be relocated 1 year ahead of schedule at a \$5 million savings. The TxDOT Beaumont District; Cobb, Fendley & Associates, Inc.; and eight communication companies coordinated and collaborated the accommodation of utilities for the IH 10 bridge replacement project over the Neches River. The project team negotiated a compromise for each company to share a single conduit, while maintaining the access, security, and privacy for each facility owner. Concerns about multiple design standards, constructability, risk of failure, ownership, and future expansion needs were addressed early. The utility relocation—consisting of a 36-inch conduit with 16 inner ducts 4,200 feet in length—was constructed in advance of the highway construction by contractors approved by the utility companies.

### Award recipients:

- Texas Department of Transportation ([www.txdot.gov](http://www.txdot.gov))
- Cobb, Fendley & Associates ([www.cobfen.com](http://www.cobfen.com))

Contact: Sam Willey, Texas Department of Transportation





## *Honorable Mention for Construction Management*

### **O'Neal Lane Project, LA 3245, Baton Rouge, Louisiana**

This award recognizes the coordination process employed that enables the relocation of multiple utilities in a narrow right-of-way, without experiencing service interruptions or construction delays in the widening of O'Neal Lane—or LA 3245—in Baton Rouge. The Louisiana Department of Transportation and Development (LADOTD) contracted with Cardno TBE to provide subsurface utility engineering-related services, and to coordinate the utilities to be accommodated and relocated prior to or in conjunction with this project. Due to the limited width of the roadside and the adjoining development, only one utility contractor was allowed to conduct the utility related work in an area at a time. The project and agreements with each utility required that they stage the stacking of their facilities. Cardno TBE developed and utilized a conflict matrix to coordinate and ensure all of the work was accomplished in a timely manner while addressing and resolving conflicts that were encountered during construction. Because of this coordination, utility services to customers were uninterrupted and the roadway drainage was completed without delays.

#### **Award recipients:**

- Louisiana Department of Transportation and Development ([www.dotd.louisiana.gov](http://www.dotd.louisiana.gov))
- Cardno TBE ([www.tbegroup.com](http://www.tbegroup.com))

Contact: Trey Jesclard, Louisiana Department of Transportation and Development

# Excellence Award for Incentives

## Segments 5 and 6, STH 130, Texas

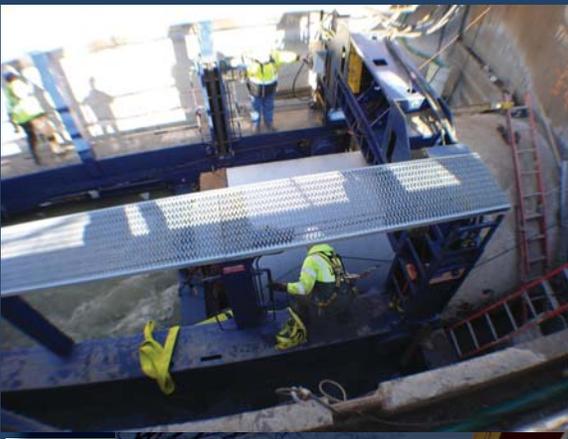
This award recognizes the collaboration and cooperation through the use of developer-managed and owner-managed agreements, which used a flexible reimbursement policy on Segments 5 and 6 of the STH 130 design-build projects. Under a concession agreement to construct this project, the Texas Department of Transportation (TxDOT) selected a developer to finance, design, acquire right-of-way, adjust utilities, and construct 39 miles of STH 130. The utilization of flexibility in the management of each relocation and the method of reimbursement provided the opportunity to adapt to the conditions specific to each location and utility owner. With the developer-managed agreements, the developer designed, constructed, and paid for the relocations. With the owner-managed relocations, utility owners had the security of managing the adjustment themselves while receiving remuneration for eligible costs. Fully utilizing the flexibility available in Texas legislation, reimbursements were made either for actual costs or a negotiated lump-sum. Building a spirit of cooperation between TxDOT, the developer, and utility owners was essential to the success with relocating utilities and constructing the STH 130 Project

### Award recipients:

- Texas Department of Transportation ([www.txdot.gov](http://www.txdot.gov))
- CSJ Engineering
- HDR ([www.hdrinc.com](http://www.hdrinc.com))
- Cardno TBE ([www.tbegroup.com](http://www.tbegroup.com))

Contact: John Breed, Texas Department of Transportation





## *Excellence Award for Innovation*

### **Sewer Rehabilitation, Route 3 Project at Passaic River, Clifton, New Jersey**

This award recognizes the use of innovative technologies to strengthen a 90-year-old arch sewer, which resulted in a \$1.4 million savings over traditional utility relocation and accommodation methods. The Route 3 project involved the addition of 40 feet of fill, which required strengthening of a 90-year-old arch concrete sewer that conveys 150 million gallons per day. Utilizing a robotic camera and laser probe to survey the exact shape and details of the pipe interior, the project team investigated and designed a custom-fabricated liner that was able to be installed under flow conditions. This custom-fabricated liner—along with a traditional lining while utilizing bypass pumping—was included among the options for bidders. This competition and these bid alternatives resulted in a \$1.4 million savings over conventional methods

#### **Award recipient:**

- Dewberry-Goodkind ([www.dewberry.com](http://www.dewberry.com))

Contact: Peter Black, Dewberry-Goodkind

# Honorable Mention for Innovation

## Utility Permitting System, Georgia DOT

This award recognizes the innovative coordination and communication methods that were implemented through the Georgia Utility Permitting System (GUPS), which reduced the time and costs associated with issuing permits for utility facilities on the public right-of-way. GUPS was designed by the Georgia Department of Transportation (GDOT) Utility Program, in conjunction with Department's IT Section. GUPS is an electronic Web-based system, which allows utility owners the ability to transfer online a permit application package for review and approval. The use of GUPS enables a utility company to submit a permit application in the morning and have their crews working the next day.

### Award recipient:

- Georgia Department of Transportation ([www.dot.state.ga.us](http://www.dot.state.ga.us))

Contact: Steve Gafford, Georgia Department of Transportation

**GEORGIA UTILITIES PERMITTING SYSTEM**

What **GUPS** can do for U

GUPS allows the Office of Utilities to review permit information and process permit applications online.

GUPS interfaces with major existing GDOT systems so information is up-to-date and accurate.

GUPS uses a GIS map interface to assist permit applicants in finding the precise location of the work being permitted.

**In observance of Labor Day no lane closures shall be allowed on interstates or major state routes from 5 am Friday, September 3, 2010 until 5am Tuesday, September 7, 2010. These are the minimum restrictions; your local District Office may choose to implement more stringent restrictions.**

Please enter the account details:

GEORGIA UTILITIES PERMITTING SYSTEM

Member Group: 100000 User ID: mrobdm

Apply for New Permit Apply by Project List Update Saved Application Emergency Permits Office of Utilities Admin Help Logout

**Application Progress**

Please select the work category applicable to your project:

- Electrical (distribution, transmission, lighting system)
- Communication (telephone, internet, cable TV, security system, signal)
- Gas (natural gas, oil, petroleum, gaseous materials, steam)
- Potable Water (distribution, transmission)
- Sewer & Drain (sewer, storm or both)
- Non Potable Water (reclaimed water, irrigation, slurry, chilled/hot water)
- Vegetation (mowing, pruning, tree removal, chemical)
- Site Specific:

GEORGIA UTILITIES PERMITTING SYSTEM

Member Group: 100000 User ID: mrobdm Permit ID: 106244

Apply for New Permit Apply by Project List Update Saved Application Emergency Permits Office of Utilities Admin Help Logout

**Application Progress**

Upload Drawing File:

ID	File Name	File Description
100470	data_for_maintenance_assignment.doc	

Please specify the upload image file type as JPEG, GIF, BMP, TIFF, PNG, SVG, XL, XLS, EX, TXT, WPD, DOC, DOCX, XLSX or PDF

Upload File:

File Description:

File selected for upload:

Pictured from left to right: Jeff Baker, Michael Bolden, and Terry L. Brigman



## *Excellence Award for Leadership - Team*

### **GDOT Utility Program**

This award recognizes the successful development and implementation of the Coordination Program, which removed roadblocks and made improvements to the GDOT's project delivery process. The GDOT's Utility Program has made outstanding contributions by creating, developing, and implementing the Coordination Program, which has integrated issues and incorporates utility owners into the planning and development of highway improvement projects. Thus, removed a big roadblock to delivering projects on time and on budget.

### **Award recipient:**

- Georgia Department of Transportation, Office of Utilities ([www.dot.state.ga.us](http://www.dot.state.ga.us))

Contact: Jeff Baker, Georgia Department of Transportation

# *Excellence Award for Leadership - Individual*

## **Chuck Schmidt, New Hampshire Department of Transportation**

This award recognizes Chuck Schmidt for his leadership, vision, and commitment to advancing practices nationally to enhance the accommodation and relocation of utilities. In addition to his duties at the New Hampshire Department of Transportation, Chuck is an Executive Board member of the AASHTO Highway Subcommittee on Right-of-Way and Utilities, and has served as the Chair for Subcommittee on Utilities. Under his leadership, numerous National Cooperative Highway Research Program research projects have been advanced and funded, many more research and synthesis problems have been identified, a strong and engaged network of State DOT utility agents has been formed, and a commitment was made to coordinate and cooperate with utility interests.

Contact: [www.nh.gov/dot/](http://www.nh.gov/dot/)





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**Federal Highway  
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