

ACEC New York
American Council of Engineering Companies of New York
Celebrating 90 Years

2011

Engineering
Excellence
Awards

RECEPTION & DINNER DANCE
Saturday, March 26, 2011

The Grand Ballroom • THE WALDORF-ASTORIA
Park Avenue at 50th Street, New York City

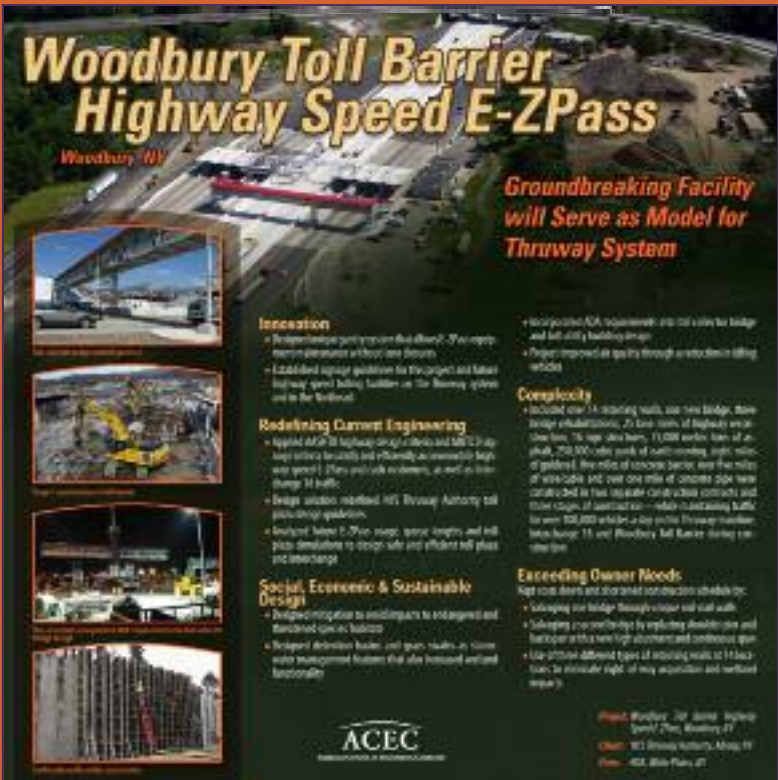


EMPIRE AWARD

Panel of Best Project in New York State

Woodbury Toll Barrier Highway Speed E-ZPass

The Empire Award was created to honor the top ranked project in the Engineering Excellence Program that was designed and built in New York State.



Woodbury Toll Barrier Highway Speed E-ZPass

Woodbury, NY

Groundbreaking Facility will Serve as Model for Thruway System

Innovation

- Integrated project delivery system that allowed 2700 employees to remain on-site and work 24/7
- L2000 and L3000 gantry positions for E-ZPass and future toll-free speed billing facilities on the thruway system and to the toll plaza

Redefining Current Engineering

- Applied AI/ML in highway design, cables and LED lighting to help reduce costs and efficiently assemble highway systems
- Design and code systems, as well as construction of built
- Design solution enabled NY Thruway Authority toll plaza design questions
- Analyzed 1000+ 2D/3D images, sensor inputs and bill plate simulations to design safe and efficient toll plaza and interchange

Social, Economic & Sustainable Design

- Integrated project delivery system to engage and maintain local business
- Integrated design build and green results in more water management features that also increased overall functionality

Complexity

- Included over 14 retaining walls, one new bridge, three bridge rehabilitations, 25 lane miles of highway work (two lanes, 76 lane mile lanes, 11,000 cubic feet of asphalt, 250,000 cubic yards of earthmoving, eight miles of guardrail, five miles of concrete barrier, one mile of wire/cable and over one mile of concrete pipe were constructed by five separate construction contracts and three stages of construction—while increasing traffic for over 100,000 vehicles a day on the Thruway between Interchange 15 and Woodbury Toll Barrier during construction

Exceeding Owner Needs

- Tight cost limits and shortened construction schedule by:
 - Subleasing toll bridge through close out call with
 - Subleasing construction by engaging subcontractors and partnering with local high school and continuous open
 - High quality different types of retaining walls to 14 locations to illustrate right of way acquisition and method (table 3)

Project: Woodbury Toll Barrier Highway Speed E-ZPass, Woodbury, NY
Client: NY Thruway Authority, Monticello, NY
Price: \$23.5M (plus 2%)

ACEC
AMERICAN COLLEGE OF ENGINEERING CONTRACTORS

Congratulations to all who participated in the ACEC New York EEA program. Engineers are entrusted by society to create a more sustainable world and to enhance the quality of all of our lives. These projects are public examples of the innovation provided by engineers and will help to educate the public on all of the good work engineers perform. We need to take our “silent” profession more public, and this ACEC New York program is a great way to do it.

Terry F. Neimeyer, P.E., BCEE, FACEC
CEO & Chairman of the Board
KCI Technologies, Inc.
ACEC Chairman-elect, 2010-2011





WELCOME

Welcome to the 44th Engineering Excellence Awards, the annual gathering to recognize the achievements of New York's consulting engineering industry. As we mark the 90th anniversary of ACEC New York in 2011, we have much to celebrate. Both as an organization and an industry, we have weathered the past few years under very trying economic times, and have come out stronger than ever. Our council continues to grow year over year, and the 2011 awards celebration — among the largest ever with 123 projects being honored — is a fitting tribute to the commitment and triumph of our professional engineers.

The project entries were reviewed by a distinguished panel of judges for uniqueness and originality; technical value to the engineering profession; social and economic considerations; complexity; and success in meeting client goals. This year, 27 Diamond Awards and 96 Platinum, Gold and Silver Awards were given. In addition, we honor the in-state project that earned the highest number of points among all entries and across all categories with the Empire Award.

Congratulations to the winners and to all our member firms. Tonight is a night to celebrate the important work the consulting engineering community has done, and continues to do, to improve the quality of life for the people of our remarkable state, our country and throughout the world.

ACEC *New York*

American Council of Engineering Companies of New York

Celebrating 90 Years

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Maria Miranda

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Thomas Cascino, P.E.

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Chet Vogel, P.E.

Consulting Engineer

Janine Witko, P.E.

Halcrow, Inc.



Our industry continues to struggle through some of the most difficult economic times that many of us have ever experienced.

However, as seen in this year's awards submissions, our clients and member firms continue to do more with less and I congratulate all on your accomplishments.

Jeffrey Han, P.E.
Chairman, Engineering Excellence Committee

2011 Engineering Excellence Committee

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ACEC New York



For EXCELLENCE in the Category of Studies, Research and Consulting

Diamond

**Hazen and Sawyer, P.C. / Leggette, Brashears
& Graham, A Joint Venture**
Impact Assessment of Natural Gas Production in the
NYC Watershed
West of Hudson Watersheds

Diamond

**T.Y. Lin International Engineering, Architecture
& Land Surveying, P.C.**
Historic Erie Canal Aqueduct and Broad Street Corridor
Master Plan
Rochester, NY

Platinum

**HAKS Engineers, Architects and Land
Surveyors, P.C.**
Gusset Plate Analysis of Gold Star Bridge
New London/Groton, CT

Platinum

URS Corporation
34th Street Transitway Feasibility Study (BRT)
New York, NY

Gold

Buro Happold
Lynn University Energy Master Plan
Boca Raton, FL

Silver

URS Corporation
Public Outreach for Jackson Heights
Transportation Study
Queens, NY

Silver

**VHB Engineering, Surveying and Landscape
Architecture, P.C.**
New Village @ Patchogue
Patchogue, NY



For EXCELLENCE in the Category of Building/Technology Systems

Diamond

Arup
Yale School of Forestry and Environmental Studies
New Haven, CT

Diamond

Pathfinder Engineers & Architects LLP
SUNY Fredonia - Campus & Community
Children's Center
Fredonia, NY

Diamond

Syska Hennessy Group, Inc.
The Cooper Union
New York, NY

Platinum

Arup
Syracuse Center of Excellence Headquarters
Syracuse, NY

Platinum

Buro Happold
Hawaii Preparatory Academy
Kamuela, HI

Platinum

Joseph R. Loring & Associates, Inc.
Southampton College - Library, SUNY Stony Brook
Southampton, NY

Platinum

Syska Hennessy Group, Inc.
NewYork-Presbyterian, Vivian and Seymour
Milstein Family Heart Center
New York, NY

Gold

Barton & Loguidice, P.C.
NYS Office of Parks, Recreation and Historic
Preservation Taconic Regional Headquarters Renovation
Staatsburg, NY

Gold

Cameron Engineering & Associates, LLP
Morrelly Homeland Security Center
Bethpage, NY

Gold

Ecology and Environment Engineering, P.C.
Flex-T: Able Mobility for Disabled Community
Auburn, Westerlo, and Seneca Falls, NY

Gold

Pathfinder Engineers & Architects LLP
The College at Brockport - Thompson Hall
Renovation
Brockport, NY

Silver

C&S Engineers, Inc.
George Harvey Justice Center Renovation and
Restoration
Binghamton, NY

Silver

C&S Engineers, Inc.
State University College at Buffalo Electrical
Substation Rehabilitation
Buffalo, NY

Silver

Concessi Engineering, P.C.
401 Park Avenue South Upgrade
New York, NY

Silver

**HAKS Engineers, Architects and Land
Surveyors, P.C.**
NJ State Police Troop "B" Headquarters
Totowa, NJ

Silver

**O'Dea, Lynch, Abbattista Consulting
Engineers, PC**
PepsiCo Research and Technical Center
LEED EB Projects
Valhalla, NY



For EXCELLENCE in the Category of Structural Systems

Diamond

Arup
Songdo Convensia
South Korea

Diamond

Buro Happold

Curtis R. Priem Experimental Media and Performing Arts Center at Rensselaer Polytechnic Institute
Troy, NY

Diamond

Hardesty & Hanover, LLP

Northbound Whitestone Expressway
Bridge over Flushing River
Queens, NY

Diamond

Severud Associates Consulting Engineers, P.C.

851 Sixth Avenue
New York, NY

Diamond

Thornton Tomasetti

Eleven Times Square
New York, NY

Diamond

Thornton Tomasetti

MGM Mirage CityCenter - Block A
Las Vegas, NV

Diamond

WSP Cantor Seinuk

Beekman Tower - 8 Spruce Street, New York, NY
New York, NY

Platinum

AECOM

Replacement of Blackfork Bridge over the Cheat River
Parsons, WV

Platinum

Arup

YAS Marina Link Bridge
Abu Dhabi

Platinum

Hardesty & Hanover, LLP

Ben Sawyer Bridge
Sullivan Island, SC

Platinum

Langan Engineering and Environmental Services, P.C.

"The Brooklyn" - Brooklyn's Tallest Building
Brooklyn, NY

Platinum

C.T. Male Associates, P.C.

Luther Forest Technology Campus - Main Access Road Structures
Malta, NY

Platinum

Ryan-Biggs Associates, P.C.

Rehabilitation of the Hangar Theatre
Ithaca, NY

Platinum

Ysrael A. Seinuk, P.C.

Met II
Miami, FL

Gold

C&S Engineers, Inc.

Pioneer Road over Canaseraga Creek Bridge Replacement
Syracuse, NY

Gold

FST Engineers, Inc.

Bronx Parking Facilities at Yankee Stadium
Bronx, NY

Gold

HAKS Engineers, Architects and Land Surveyors, P.C.

Reconstruction of Step St. at E. 183rd St./Tiebout Ave.
Bronx, NY

Gold

HDR

Rehabilitation of the West 96th Street Station
New York, NY

Gold

Mueser Rutledge Consulting Engineers

Bergen Tunnel
Jersey City, NJ

Gold

WSP SELLS

Replacement of the Route 6 Bridge over Abandoned PCRR
Carmel, NY

Gold

Weidlinger Associates, Inc.

Lamb's Club Transformation
New York, NY

Silver

AECOM

Wantagh State Parkway Over Goose Creek Bridge Replacement
Nassau County, NY

Silver

C&S Engineers, Inc.

Construction Management of DCMO BOCES Renovations and Additions
Norwich and Sidney Center, NY

Silver

STV Group

Kappock Street Retaining Wall Replacement
Bronx, NY

Silver

STV Group

P.S./I.S. 102
Flushing, NY

Silver

**Tectonic Engineering & Surveying
Consultants P.C.**

Expansion of Jacob K. Javits Convention Center
New York, NY



For EXCELLENCE in the Environmental Category

Diamond

HDR

Pocket Parks at Former Yankee Stadium
Bronx, NY

Platinum

HDR

Alley Pond Park Environmental Restoration
Queens, NY

Platinum

**Tectonic Engineering and Surveying
Consultants P.C.**

Central Park Police Precinct Renovation
New York, NY

Gold

Ecology and Environment Engineering, P.C.

Liberty Industrial Finishing Site Remediation
Farmingdale, NY

Gold

Ecology and Environment Engineering, P.C.

Niagara Gorge Sensitive Habitat Protection
Niagara Falls, NY

Silver

**P.W. Grosser Consulting Engineer &
Hydrogeologist, PC**

Building 704 (Fan House) Decommissioning
Upton, NY



For EXCELLENCE in the Category of Surveying and Mapping Technology

Diamond

Erdman Anthony

Wards Island WPCP Laser Scanning
New York, NY

Diamond

Halcrow, Inc.

Newtown Creek Central Residuals Facility BIM Model
Brooklyn, NY

Platinum

M.J. Engineering and Land Surveying, P.C.

Steel Surveying GLOBALFOUNDRIES Fab2
Malta, NY

Gold

Passero Associates

Surveying Technology for Construction of Mill
Seat Landfill
Bergen, NY



For EXCELLENCE in the Category of Water and Storm Water

Diamond

AECOM

Wards Island SHARON® Facility
New York, NY

Platinum

Bernier, Carr & Associates, P.C.

West Windsor Wastewater Treatment Plant
West Windsor, NY

Platinum

Hazen and Sawyer, P.C.

Cedar Creek WPCP Gravity Belt Thickener Facility
Wantagh, NY

Gold

HAKS Engineers, Architects and Land Surveyors, P.C.

Storm/Sanitary Sewers, Water Mains & BMPs
in North Railroad Street
Staten Island, NY

Gold

Woodard & Curran

Rye Country Day School Memorial Hall
Rye, NY

Silver

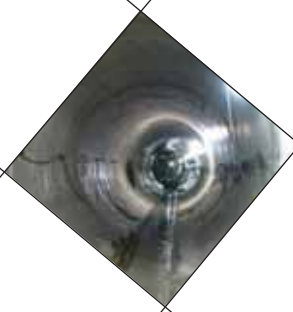
M.J. Engineering and Land Surveying, P.C.

Stormwater Master Plan Fort Drum Military Base
Fort Drum, NY

Silver

WSP SELLS

Sims Metal Management Recycling Facility
Bronx, NY



For EXCELLENCE in the Water Resources Category

Diamond

CH2M HILL

Westcott Reservoir Rehabilitation Project
Syracuse, NY

Diamond

Malcolm Pirnie, Inc.

Saratoga County Water Treatment & Transmission
Ballston Spa, NY

Platinum

Cameron Engineering & Associates, LLP

Mill Pond - Water Quality Improvements
Port Washington North, NY

Platinum

H2M Group: Holzmacher, McLendon & Murrell, P.C.

Nitrate Removal - Plant No. 8
Hicksville, NY

Platinum

Hunt Engineers, Architects & Land Surveyors, P.C.

Village of Savona, New York, Water System
Savona, NY

Platinum

Parsons Brinckerhoff

Croton Water Treatment Plant - Water Tunnels
and Associated Works
Bronx, NY

Platinum

T.Y. Lin International Engineering, Architecture & Land Surveying, P.C.

Lock E-6 on the Erie Canal
Waterford, NY

Gold

HAKS / AECOM, Joint Venture

Croton Falls and Croton Falls Diverting Dams
Putnam County, NY

Gold

Hazen and Sawyer, P.C.

Peekskill Water Treatment Plant
Peekskill, NY

Gold

Malcolm Pirnie, Inc.

Highland Reservoir Liner Project
Rochester, NY

Silver

Barton & Loguidice, P.C.

Southern Onondaga Area Water Districts
Marcellus, Otisco & Spafford, NY

Silver

Bergmann Associates, Inc.

South Clinton Avenue Conduit 2 and 3
Modernization
Brighton, NY

Silver

Woodard & Curran

Manursing Lake Tidal Gate & Aquatic Habitat
Restoration
Rye, NY

Diamond

Parsons Brinckerhoff

Hood Canal Bridge East Half Replacement
Kitsap & Jefferson Counties, Washington

Diamond

The RBA Group

Reconstruction of County Road 58
Riverhead, NY

Platinum

Bergmann Associates, Inc.

Sea Breeze Drive (NY 590) Revitalization Project
Irondequoit, NY

Platinum

Creighton Manning Engineering, LLP

Luther Forest Technology Campus Roads
Towns of Malta and Stillwater, NY

Platinum

HAKS Engineers, Architects and Land Surveyors, P.C.

New Haven Bus Facility
New Haven, CT

Platinum

GPI / HAKS, Joint Venture

Rehabilitation of the BQE (I-278) Park Ave. Viaduct
Kings County, NY

Platinum

Lochner Engineering, P.C.

NYS Route 281
Cortland, NY

Platinum

Stantec Consulting Services Inc.

NFIA Terminal, Airside and Landside
Niagara Falls, NY

Platinum

TranSystems

Replacement of Hog Island Channel and
Powell Creek Bridges
Oceanside, NY

Gold

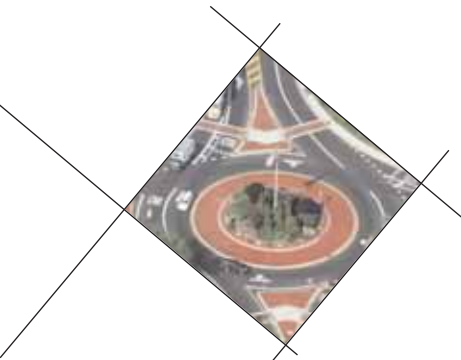
AECOM

Ambrose Brook Railroad Bridge
Replacement Project
Middlesex, NJ

Gold

Boswell Engineering

Interstate 87/Route 7 (Exit 6) Reconstruction
Colonie, NY



**For EXCELLENCE in the
Transportation Category**

Diamond

AECOM

Peter Minuit Plaza Reconstruction
New York, NY

Diamond

C&S Engineers, Inc.

Security Improvements at Syracuse International
Airport
Syracuse, NY

Diamond

HDR

Woodbury Toll Barrier Highway Speed E-ZPass
Woodbury, NY

Gold

Gannett Fleming Engineers and Architects, P.C.
Nassau Expressway Pavement Rehabilitation
and Resurfacing
Queens County, NY

Gold

Parsons Brinckerhoff
LIC Ventilation Structure
Long Island City, Queens, NY

Gold

Sam Schwartz Engineering
Fordham Plaza Conceptual Master Plan
New York, NY

Gold

Sam Schwartz Engineering
WTC Office Of Program Logistics
New York, NY

Gold

URS Corporation
Taxiway Bravo Relocation, Republic Airport
East Farmingdale, NY

Silver

Erdman Anthony
Main Street Buffalo Reconstruction
Buffalo, NY

Silver

Erdman Anthony
Main Street East Aurora Reconstruction
East Aurora, NY

Silver

KS Engineers, P.C.
Reconstruction of Harrison Street
New York, NY

Silver

Stantec Consulting Services Inc.
Route 82 Streetscape and Intersection
Improvements
Union Township & City of Elizabeth, NJ

Silver

URS Corporation
Reconstruction of Frederick Douglass Circle
New York, NY



For **EXCELLENCE** in the
Category of Special Projects

Diamond

Arup
Songdo City Central Park
South Korea

Diamond

Buro Happold
U2 360 Transformable Screen
Worldwide

Diamond

YU & Associates Engineers P.C.
Parking & Sports Facilities at Yankee Stadium
New York, NY

Platinum

**HAKS Engineers, Architects and Land
Surveyors, P.C.**
Madison Ave. Trenchless Technology Trunk Main
New York, NY

Platinum

HDR
Randall's Island Sports Field Development
New York, NY

Platinum

L.K. McLean Associates, P.C.
Brookhaven Children's Safety Town
Holtsville, NY

Platinum

The RBA Group
Brooklyn Navy Yard Infrastructure Improvements
Brooklyn, NY

Gold

**Gannett Fleming Engineers and
Architects, P.C.**
MNR Hudson Line Stations Rehabilitation
Westchester County, NY

Gold

Halcrow, Inc.

Brooklyn Bridge Park Marine Assessment
Brooklyn, NY

Gold

The RBA Group

Middle Country Public Library Nature Explorium
Centerreach, NY

Gold

Sam Schwartz Engineering

Miracle at the Battery
New York, NY

Gold

Stantec Consulting Services Inc.

Hudson Riverwalk
Riverside Park & Hudson River

Silver

Cameron Engineering & Associates, LLP

Bay Walk Park
Port Washington North, NY

Silver

Concessi Engineering, P.C.

777 Third Avenue Up-Grade
New York, NY

Silver

Concessi Engineering, P.C.

Dorchester 68th Street Central Cooling Towers
New York, NY

Silver

Halcrow, Inc.

Transportation Funding & Financing Advisory
Services for Goethals Bridge
Staten Island, NY & Elizabeth, NJ

Silver

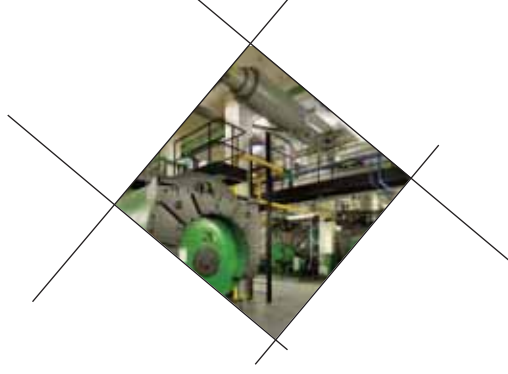
Lochner Engineering, P.C.

Kingston Pedestrian Waterfront Walkway
Kingston, NY

Silver

URS Corporation

Hudson Riverwalk in Riverside Park
New York, NY



For EXCELLENCE in the Energy Category

Diamond

AECOM

Castle Hill Boiler, Climate Control and Lighting
Upgrade
Bronx, NY

Gold

CDM

Peekskill WWTP Aeration System Upgrade
Peekskill, NY

AGEC New York Member Firms

AEC Engineering Design & Construction Services PLLC
AECOM
A.G. Consulting Engineering, PC
A.I. Engineers, Inc, PC
AKF Group LLC
ALMAR Engineering
ARCADIS
AVCON Engineering P.C.
Abate Associates Engineers & Surveyors, P.C.
Ammann & Whitney
Arora and Associates, P.C.
Arup
B & H Engineering, P.C.
B. Thayer Associates (BTA)
BJLJ Engineers & Architects, P.C.
Michael Baker Engineering, Inc.
Bard, Rao + Athanas Consulting Engineers, PC
Barton & Loguidice, P.C.
Beardsley Design Associates Architecture, Engineering
& Landscape Architecture, P.C.
Berger, Lehman Associates, P.C.
The Louis Berger Group, Inc.
Bergmann Associates, Inc.
Bernier, Carr & Associates PC
Bladykas Engineering, P.C.
Boswell Engineering
Sidney B. Bowne & Son, LLP
Christopher Buckley Land Surveying, P.C.
C&S Engineers, Inc.
CDM
CH2M HILL
CHA
CME Engineering Group, PLLC
CRA Infrastructure & Engineering, Inc.
CSM Engineering, P.C.
C.V. Associates NY; PE, LS, P.C.
Cameron Engineering & Associates, LLP
The Chazen Companies
Clark Engineering & Surveying, P.C.
Clark Patterson Lee
Collado Engineering, P.C.
Collins Engineers, P.C.
Concessi Engineering, P.C.
Cosentini Associates, Inc.
Costich Engineering, P.C.
Crawford & Associates Engineering, P.C.
Creighton Manning Engineering, LLP
Joanne Darcy Crum, Professional Land Surveyor
DKI Engineering & Consulting USA, P.C.
Dagher Engineering, PLLC
de Bruin Engineering P.C.
John S. Deerkoski, PE, & Associates
Delta Engineers, Architects & Land Surveyors, P.C.
Kirit R. Desai, PE, PC
DeSimone Consulting Engineers
Dewberry
Dewhurst Macfarlane and Partners PC
John V. Dinan Associates, Inc.
Dvirka and Bartilucci Consulting Engineers
EA Engineering, P.C.
Ecology and Environment Engineering, P.C.
Eipel Barbieri Marschhausen, LLP
Empire Geo-Services Inc.
GC Eng & Associates, P.C.
EnTech Engineering, P.C.
Erdman Anthony
David Evans & Associates, Inc.
FST Engineers, Inc.
Feld Kaminetzky & Cohen, P.C.
Fisher Associates, P.E., L.S., P.C.
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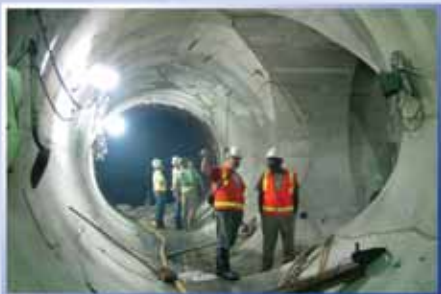
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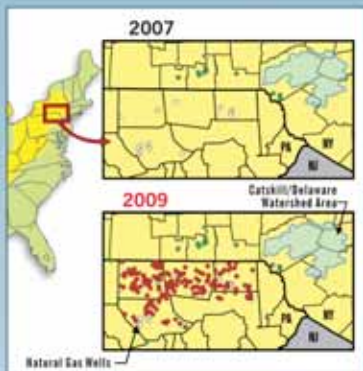
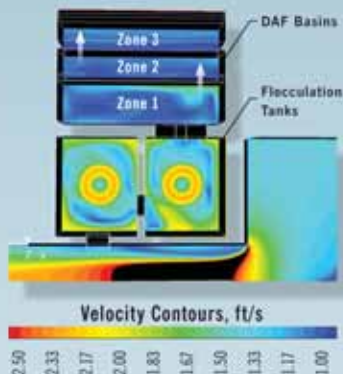
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