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November / December 2011



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On the cover

Jarrel Truman cuts a section of precast concrete to construct a retaining wall as part of the East Beckley Bypass. Crews with Vecellio & Grogan, Inc., Beckley, completed the final two segments of the Route 19 bypass highway in 2011. As contractors throughout the state finish up projects and look to the future, *West Virginia Construction News* surveyed state and federal owners to get an idea of what is in store for 2012. Photo by Carl Thiemann. For more on the forecast for construction in the coming year, see page 6.

The Contractors Association of West Virginia is a nonprofit trade organization representing the building, highway, heavy and utility contracting industries in West Virginia. Its services include establishment of a close working liaison with state and federal agencies; worthwhile educational and informational programs; the regular dissemination of pertinent information to its members; strong legislative and media relations; as well as all other activities deemed necessary and proper to promote the general welfare of the construction industry. The CAWV is a certified chapter of the Associated General Contractors of America and the American Road and Transportation Builders Association.

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Crews with Vecellio & Grogan, Inc., Beckley, overcame challenging conditions to build the final two segments of a Route 19 bypass highway just east of Beckley. Vecellio & Grogan constructed a 1,200-foot bridge over a steep, 217-foot-deep gorge with limited access for equipment. Crews also built 1.6 miles of four-lane highway leading up to the bridge and rejoining with local traffic on the other side. Photo by Carl Thiemann, Communications Director, Vecellio Group, Inc.

2012 CONSTRUCTION FORECAST



BUILDING



UTILITY



HIGHWAY

The construction industry has been braced for impact from the economic recession for several years now. Economists widely agree that the downturn began in December 2007. It is now 2012 and the industry has weathered a financial collapse, lost thousands of jobs and saw private investments in construction evaporate. Nearly five years later, some signs of life are emerging. Jobs are starting to climb up again locally, private investments are beginning to pick up and the energy sector is adding a new dimension to West Virginia's construction industry.

Each year *West Virginia Construction News* surveys state and federal agencies to provide a gauge for members bidding work in West Virginia. Most agencies expect declines this year in their bidding projects, likely a result of unrest at the federal level and expiration of American Recovery and Reinvestment Act (ARRA) funds, which boosted federal construction programs over the past two years. National Guard, Infrastructure Council, WV Division of Highways, U.S. Army Corps of Engineers and USDA Rural Utilities Service all saw increases in their bidding projects as a result of ARRA money.

A complete synopsis of all projects and comments submitted to WVCN follows.

PAUL A. MATTOX, JR., P.E.
SECRETARY
WV DEPARTMENT OF
TRANSPORTATION

Divisions of the West Virginia Department of Transportation anticipate a 2012 construction program of \$558 million. This estimate includes \$500 million for Highways, \$2.7 million for railways, \$27 million for maintenance on the Turnpike and \$29 million for airports. A brief description of some of the major construction projects anticipated by each of the agency's divisions is as follows:

West Virginia Division of Highways

The Division of Highways' planned construction program for 2012 is estimated at \$500 million. That figure will ultimately be influenced by the funding at both the federal and state levels, which is stagnant or declining

due to reduced gas tax receipts. Additionally, uncertainty at the federal level regarding reauthorization of a highway bill will affect federal aid funding.

Highlighted below are major projects receiving federal aid over \$1 million:

Largest of the program, "Other Federal-Aid," is estimated at \$160 million. Projects will include the WV 2 widening near Parkersburg (Wood), WV 10 Rita-Rum Creek (Logan), Leon Sullivan Way Exit Ramp (Kanawha) and the Charles Town Racetrack Roadway Relocation (Jefferson).

Following next is the \$106 million federal-aid bridge projects including 16th Street Entrance/Exit Ramps (Cabell), Wintz-Yeager Airport Bridges (Kanawha), David Morgan Bridge C&P (Marion) and the Hi-Carpenter Bridge (Pleasants).

Estimated at \$90 million, federal-aid and interstate renovation and improvement work includes the I-79 Pavement Warranty Project near Jane Lew (Lewis), I-77 Tupper's Creek Bridge Renovation (Kanawha) and various sign renovation and resurfacing projects along interstates in Ohio, Cabell, Kanawha and Greenbrier counties.

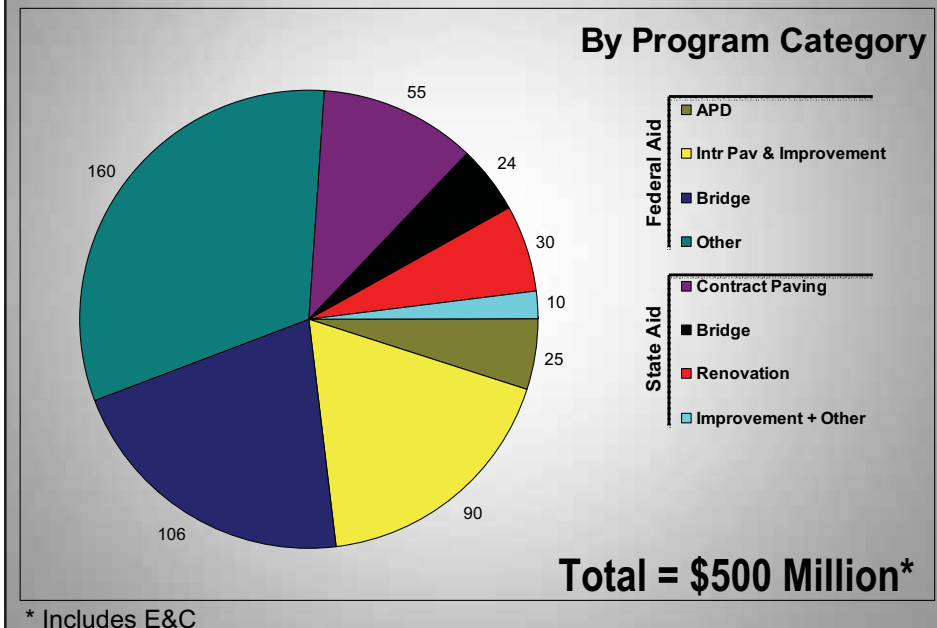
The final category is the \$25 million Appalachian Highway System, which includes continued construction of Corridor H in Tucker County.

Pavement preservation, bridge renovation and other state-funded programs total an estimated \$119 million throughout the state. All federal-aid projects and programs are identified in the WVDOT Statewide Transportation Improvement Program (STIP) 2012-2017, which is located online www.transportation.wv.gov.



Hi-Way Paving, Inc., Hillard, Ohio, places concrete shoulders and shapes the median ditch along Corridor H in Grant County, near Scherr. The project bid in June 2011 and will be complete in 2013. When completed, Corridor H will stretch 130 miles from I-79 at Weston, cross the border into Virginia and travel 13 miles to meet the junction of I-66 and I-81. The 130 mile stretch within West Virginia is 75 percent complete or under construction and by 2018 that number should increase to 87percent. Photo courtesy of Mike Durst, Hi-Way Paving, Inc.

WV DIVISION OF HIGHWAYS 2012 Construction Program Preview



between Mahan and Standard (MP 66 to 72) and mill and inlay work on high priority areas over the entire Turnpike. Other work to be performed will include bridge painting, bridge deck overlays, bridge/facilities retrofit, guardrail replacement, culvert repair/ replacement, sign replacement/overlays, pavement striping and markings, full depth repairs/undersealing and drainage pipe rehabilitation.

The Parkways Authority intends to award over \$27 million in contracts for major highway, bridge and facilities construction and upgrade projects in FY 2012.

Aeronautics Commission

The West Virginia Aeronautics Commission administers a grant program to encourage and support capital improvements at the state's public airports. Facilities meeting the criteria for Federal Aviation Administration Airport Improvement Program funds also qualify for funding from the state program. The grant program is supported by the state tax on aircraft fuel and general revenue funds.

West Virginia Division of Highways' funding relies heavily on federal transportation funding. The program has seen a decrease from a high of \$655 million in 2009. The Division has focused on streamlining programs and stretching money to attempt to keep up with maintenance and construction of the state's roads.

State Rail Authority

State Rail Authority planned construction projects for FY 2012 total approximately \$2.7 million and include work on both the West Virginia Central Railroad (WVCR) and the South Branch Valley Railroad (SBVC). On the WVCR, projects will include replacing 5,500 ties, 328 switch ties, welding numerous joints, replacing defective rails and surfacing. On the SBVR, projects will include replacing 9,600 ties, surfacing and ballast regulation, replacement of BR 10.3 and 8.9, adding additional track and turnouts at two locations and purchasing a new hi-rail rotary dump truck for maintenance crew use.

During the 2012 construction season, two major projects will be advertised for pavement rehabilitation - paving

Parkways Authority

In 2012, the West Virginia Parkways Authority will continue a major highway and bridge rehabilitation schedule that began in 2009 following the first across-the-board toll increase on the Turnpike in 28 years. Additional toll revenue is being used to address the backlog of improvements and deferred maintenance.



West Virginia Paving, Dunbar, lays Warm Mix Asphalt along a secondary road in Paint Creek in Kanawha County. The Secondary Road Paving Program received a funding boost in 2011. The 2012 budget includes \$55 million for state contract paving, the same amount budgeted by the WV Division of Highways for 2011.

The Aeronautics Commission operates much differently than the other DOT agencies. Airports compete for improvement projects on a national level, thus, winning improvement projects cannot be projected a year (or even six months) in advance. Projects are awarded every quarter.

Infrastructure projects planned for 2011/2012 or underway at West Virginia airports total nearly \$29 million. Projects are as follows:

- Braxton County Airport - Rehabilitate Runway 1/19 (Environmental Assessment) - \$82,884
- Eastern West Virginia Regional Airport - Acquire Land (3.9645 acres) - \$157,895
- Elkins-Randolph County Airport - Rehab Runway 5/23 - \$2,212,589
- Fairmont-Marion County Regional Airport - Construct Apron - \$2,580,000
- Greater Cumberland Regional Airport - Land Acquisition Services (Phase II) - \$424,857

- Greenbrier Valley Airport - Rehab Taxiway A/Acquire ARFF Equipment - \$4,170,526
- Greenbrier Valley Airport - Wildlife Hazard Assessment - \$105,263
- Jackson County Airport - Acquire Miscellaneous Land (2 Box Hangars) and Rehab Runway Lighting 04/22 - \$160,906
- Jackson County Airport (Grant Amendment) - Acquisition of privately owned hangars - \$470,430
- Logan County Airport - Remove Obstructions - \$170,316
- Marshall County Airport Obstruction Removal (Grant Amendment) (Phase I of II & ALP Plan Set) - \$235,621
- Mason County Airport - Update Airport Master Plan Study - \$116,621
- Mercer County Airport - Rehabilitate Main Apron (Construction) - \$1,737,551
- Mid-Ohio Valley Regional Airport - Install Perimeter Fencing - \$629,650

- Morgantown Municipal Airport - Acquire Aircraft Deicing Equipment - \$553,260
- North Central West Virginia Airport - Acquire Snow Removal Equipment, Construct Taxiway and Rehabilitate Runway - \$2,004,409
- Philippi Barbour County Regional Airport - Construct Building (10 Unit T-Hangar) - \$246,124
- Raleigh County Memorial Airport - Acquire ¾ ton truck with snow plow, and acquire 5 sets of ARFF outer shell bunker gear - \$38,657
- Raleigh County Memorial Airport - Remove obstructions - \$289,335
- Tri-State Airport - Rehab Runway 12/30 and Acquire ARFF Equipment - \$8,604,914
- Tri-State Airport - Rehabilitate Taxiway (Design) - \$485,445
- Upshur County Regional Airport - Construct Building (Box Hangar) - \$174,982
- Wheeling-Ohio County Airport - Improve Terminal - \$157,895
- Wyoming County Airport - Remove Obstructions (EA) - \$91,631
- Yeager Airport - Acquire Snow Removal Equipment, Extend Runway 5/23 and Improve Airport Erosion Control, and Improve Runway Safety Area (Modify ASLF) 5/23 - \$1,598,833
- Yeager Airport - Remove obstructions (Acquire Land) - \$952,399



The Market Street Bridge, which connects Follensbee, WV, with Stubenville, OH, was opened in December 2011 following nearly two years of rehabilitation work. Ahern, a Division of Kokosing Construction, South Charleston, was awarded the \$16,547,000 contract in November 2009, which included repairs to the structure, cleaning, painting and aesthetic lighting.

Public Port Authority

The Public Port Authority (PPA) is proceeding with the development of the intermodal facility at Prichard, Wayne County, and anticipates construction may begin in the Spring of 2012. The PPA also continues to coordinate with Local Port Authority Districts to implement projects within those areas.

**RANDY C. HUFFMAN
SECRETARY
WV DEPARTMENT OF
ENVIRONMENTAL PROTECTION**

The West Virginia Department of Environmental Protection administers many programs designed to promote a healthy environment. Abandoned Mine Lands and the Office of Special Reclamation both anticipate a steady and busy construction program in 2012. Despite economic instability, the funding for the programs combined has remained stable over the past few years.

Work performed by contractors for the WVDEP improves communities and human health through mining reclamation. Continued funding for these programs is critical and the WVDEP works diligently to ensure as many projects as possible are funded and implemented.

Abandoned Mine Lands Reclamation Program

Funding from the 2012 grant is expected to be available in January 2012. There is an anticipated increase in funds available for the 2012 grant over the 2011 amount in the total annual distribution of \$10 to \$12 million. This level of funding is predicted for the 2013 and 2014 grants as well. The total estimated monies that will be available for non-water reclamation, emergency reclamation and waterline extension project construction from the 2012 grant is anticipated to be approximately \$44 million.

The enclosed table includes a list of non-water reclamation projects with associated cost estimates and county locations that are currently in various stages of design. AML anticipates committing all available 2012 funds to construction projects this year. The funding balance of non-water reclamation, emergency and waterline projects will be determined as project design is complete and they become ready for bid during the year.

The projects will be put out to bid through the state Purchasing

**WV Department of Environmental Protection
Abandoned Mine Lands
Projects Currently in Design**

SITE NAME	COST (EST)	COUNTY
Moatsville (Wright) Portals & Drainage	263,725	Barbour
Overfield Portals	\$491,485	Barbour
Simpson Creek Highwall	\$1,891,260	Barbour
Nellis Drainage	\$792,145	Boone
Winona Complex	\$437,436	Fayette
Dale R Trasher	\$410,925	Gilmer
Clarksburg (Lyons) LS	\$317,750	Harrison
Fisher Portal	230,356	Harrison
Gains Highwall	\$530,739	Harrison
Reynoldsville Refuse	\$822,724	Harrison
Shinnston (Shinn Run) Portals	\$311,588	Harrison
Big Chimney (Fields) Portals	178,438	Kanawha
Wolfpen (Carpenter) Portals	\$196,750	Kanawha
Cartright Branch Refuse Pile	\$436,040	Logan
Claypool (McClure) Portals	\$204,750	Logan
Holden Church	\$69,956	Logan
Lake (Winkler) Landslide Phase II	152,166	Logan
Robinette Refuse	\$814,375	Logan
Sugartree Branch Refuse Pile	\$495,755	Logan
Hawkinberry Hollow Portals & Subs.	\$289,865	Marion
Manley Chapel (Anderson) Portals and Drainage	214,999	Marion
Montana Portals	\$218,177	Marion
Cherokee Complex	\$1,000,000	McDowell
Greenbrier Hollow Refuse Pile	\$798,066	McDowell
Indian Creek Refuse Pile	\$140,313	McDowell
Kyle (Totten) Draining Portals	167,813	McDowell
Mill Creek Refuse Pile	\$363,163	McDowell
Pageton (Lambert) Portals	\$375,389	McDowell
Shabbybroom Complex	\$857,720	McDowell
Thorpe Refuse Pile	\$530,500	McDowell
Bishop Portals	284,406	Monongalia
Dotson Tipple	\$1,716,705	Monongalia
Joe's Run Portals	164,313	Monongalia
Laurel Point Strip	\$400,000	Monongalia
Sugar Camp Run Refuse	\$385,029	Nicholas
Birds Creek Portals	\$898,692	Preston
Bretz (Methany) Mine Drainage	190,813	Preston
Laurel Run #1	\$715,684	Preston
Little Laurel Run	\$433,805	Preston
Pringle Run	\$559,250	Preston
Valley Point #2	\$412,832	Preston
Harmonds Creek Portals	106,344	Putnam
Jeep Trail Portals	238,006	Putnam
Leeval (Williams) Portals	92,375	Raleigh
Sundial Refuse Redesign	\$6,000,000	Raleigh
Richardson Branch Complex	\$310,500	Raliegh
Valley Falls Portals	223,688	Taylor
Tub Run HW & Refuse Phase I	\$2,272,795	Tucker
Tub Run HW & Refuse Phase II	\$1,294,041	Tucker
John's Branch Coal Refuse Dam	\$1,600,000	Wyoming
TOTAL	\$32,303,646	

Department with the remainder of the unfunded projects rolling into the 2013 grant funding cycle. The AML program is currently working to procure

additional consulting services for projects that will be in design in early 2012 and bidding in the 2013 construction season.



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**WV Department of Environmental Protection
Office of Special Reclamation
Land and Water Projects 2012 Bidding Forecast**

COMPANY	PERMIT	COUNTY	COST EST.	BID QTR.
Solitaire Coal Corporation, Inc.	S-87-85	Webster	\$398,250	1
Royal Scot Minerals, Inc.	U-3046-88	Greenbrier	\$933,800	1
Royal Scot Minerals, Inc.	31-72	Greenbrier	\$2,284,682	1
Williams Construction	S-3061-88	Nicholas	\$250,000	1
Anderson Coal Company	U-3049-86	Nicholas	\$275,000	1
Rockville Mining Co.	S-91-85	Preston	\$351,000	2
Smith & Stover	EM-29	Raleigh	\$54,000	2
Golden Falcon Resources, Inc.	U-61-84	McDowell	\$695,000	2
Larosa Fuel Company, Inc.	S-39-84	Upshur	\$58,000	2
Jocarr Resources, Inc.	U-3059-86	Nicholas	\$175,500	3
Roblee Coal Company	U-1001-91	Upshur	\$672,325	3
J. C. B. Mining, Inc.	U-2006-88	Lewis	\$30,000	3
Roblee Coal Company	U-2026-87	Barbour	\$321,250	3
Roblee Coal Company	O-1009-93	Upshur	\$476,600	3
Lodestar Energy, Inc.	S-3083-86	Nicholas	\$534,080	3
Lodestar Energy, Inc.	S-3006-89	Nicholas	\$409,000	3
Meridian of Virginia, Inc.	S-4005-89	McDowell	\$105,000	4
Larosa Fuel Company, Inc.	S-1051-86	Marion	\$943,450	4
Appalachian Fuels, LLC	S-3041-88	Clay	\$715,127	4
Roblee Coal Company	U-2001-00	Upshur	\$38,380	4
Classic Res., Inc.	S-55-81	Fayette	\$175,000	4
Greendale Coals, Inc.	S-75-83	Clay	\$2,257,490	4
Buffalo Coal Company, Inc.	S-2007-96	Tucker	\$3,400	4
Buffalo Coal Company	S-74-76	Tucker	\$10,200	4
Buffalo Coal Company	S-146-77	Tucker	\$40,800	4
Buffalo Coal Company	S-61-85	Tucker	\$19,800	4
Buffalo Coal Company	S-7-80	Tucker	\$29,000	4
Buffalo Coal Company	O-2006-95	Tucker	\$169,300	4
Glady Fork Mining, Inc.	D-35-82	Upshur	\$3,392,400	4
TOTAL			\$15,817,834	

Office of Special Reclamation

The Office of Special Reclamation reclaims land and treats water on all bond-forfeited coal mining permits in the state of West Virginia to protect public health, safety and property.

Bond-forfeited coal mine permits in

West Virginia may be comprised of any combination of mining activity including dangerous highwalls, unsealed underground mine portals, shafts, boreholes, leaking impoundments, ponds, refuse piles, abandoned preparation plants and other infrastructure, debris, extensive unvegetated areas, and acid mine

drainage. The OSR eliminates these hazards.

Funding for the program comes from bond-forfeitures, civil penalties and the Special Reclamation Tax on mined coal. The enclosed table lists OSR projects scheduled for competitive bidding in 2012. These projects, arranged by the quarter they are scheduled, are land and/or water projects. It is possible that more than one permit may be covered under one requisition.

Clean Water State Revolving Fund

The Clean Water State Revolving Fund (CWSRF) provides funding to municipal waste water systems to ensure West Virginia communities will have a safe and healthy environment. The CWSRF program receives federal funding each year from the U.S. Environmental Protection Agency and a 20 percent state match is provided by the West Virginia Infrastructure and Jobs Development Council. Additional money is made available each year through repayments of previous loans and investment earnings.

Since the program began in 1991, more than \$771 million has been loaned for 273 community projects for new or improved waste water treatment facilities. These numbers include the "extra" \$61 million received from Congress under the stimulus legislation in 2009 which was leveraged to fund 39 projects totaling more than \$139

**Clean Water State Revolving Fund
2012 Bidding Forecast**

PROJECT NAME	DESCRIPTION	COUNTY	COST
Charles Town - Huntfield PS & FM	PS & FM rehab/replacement	Jefferson	\$1,100,000
Green Valley – Glenwood PSD	WWTP Upgrade	Mercer	\$850,000
Hartford	Collection System upgrade	Mason	\$1,700,000
Hinton (Brooks/Barksdale)	Collection System extensions	Summers	\$4,004,000
Huntington - Bioretention basin	Eliminate ash pond from WWTP site	Cabell	\$8,680,000
Lubeck	Collection System extensions	Wood	\$3,860,000
Kingwood	Sanitary sewer extension/WWTP upgrade	Preston	\$15,995,000
Pennsboro	WWTP Upgrade	Ritchie	\$2,091,000
Philippi	WWTP Upgrade	Barbour	\$3,438,800
Point Pleasant	Collection system rehab/replacement	Mason	\$4,430,000
Parkersburg	PS & FM rehab/replacement	Wood	\$5,731,700
Clarksburg - Ph. III	WWTP Upgrade	Marion	\$10,000,000
Sistersville	Collection System Extension	Tyler	\$1,100,000
Preston Co. PSD - Valley Pt. (green)	New WWTP	Preston	\$1,821,000
TOTAL			\$64,801,500



American Recovery and Reinvestment Act money was a big part of utility agencies funding in 2009 and 2010. With that money exhausted, water and sewer construction is expected to decline in 2012. Utility construction companies, such as Cook's Excavating, Pineville, pictured, are preparing for a decrease in projects. Water and sewer construction is essential to economic development and quality of life. Increases in funding are being discussed at the federal and state level.

million. Most of these projects have been completed.

While much has been accomplished in the past, many more needs still must be addressed in the future. The 2008 Clean Watersheds Needs Survey documented West Virginia's wastewater infrastructure needs at \$3.2 billion. This is a \$200 million increase over the 2004 Needs Survey.

The 2012 bidding and construction forecast for sewer projects expected to be funded, in part, by the CWSRF program can be found on the chart included with this article. The estimated total project cost for these 14 sewer projects is \$64.8 million. While the construction industry is certainly

interested in the bidding forecast for 2012, the DEP is continually working on important projects currently in the planning and design phases that will eventually result in the next wave of construction projects going to bid in future years.

ROBERT W. DECREASE, P.E.
MANAGER
DRINKING WATER TREATMENT
REVOLVING FUND
BUREAU FOR PUBLIC HEALTH

The Drinking Water Treatment Revolving Fund (DWTRF) program provides below market rate loans to public water systems for capital projects to ensure the public has drinking water that meets the

requirements of the Safe Drinking Water Act. The DWTRF program receives funding for the construction of drinking water projects from the U.S. Environmental Protection Agency (EPA) and a 20 percent grant match from the WV Infrastructure and Jobs Development Council (IJDC).

These funds combined with loan repayments and interest, become the construction fund which is used to make low interest loans and provide principal forgiveness to drinking water systems. Loan rates and principal forgiveness are dependent on user rates compared to the median household income of the customers.

Since the start of the program and through the end of State Fiscal Year (SFY) 2011, the DWTRF program has \$154.2 million in awards from EPA, IJDC state match, and repayments (including earned interest) to be used for drinking water construction loans.

In SFY2011, the DWTRF program closed loans for four projects for \$21.3 million. Through the end of SFY2011, the DWTRF program has cumulatively closed loans on projects totaling \$145 million. An additional EPA grant in the amount of \$8.4 million (including a state match) was received in September for construction projects.

Binding commitments of \$10.8 million have been made to drinking water projects with another \$13.1 million in pending commitments. One of the DWTRF goals is for projects to begin construction within 12 months of receiving a binding commitment of funds.

Six DWTRF funded water projects totaling \$23.8 million are expected to advertise for bids in calendar year 2012. The projects include the Oakland PSD upgrading its water treatment plant, replacing some of its distribution system, and providing a small extension; the Morgantown Utility Board is extending water service to the Quarry Run area; the Town of Beverly is doing minor treatment plant revisions and a distribution system upgrade; the City of Fairmont is replacing water meters with an advanced AMR meter

WV Bureau for Public Health
Drinking Water Treatment Revolving Fund
2012 Construction Forecast

PROJECT	COUNTY	BID DATE	TOTAL COST
Oakland PSD	Brooke	02/2012	\$4,335,455
Morgantown Utility Board	Monongalia	02/2012	\$2,275,126
Town of Beverly	Randolph	04/2012	\$3,885,000
City of Fairmont	Marion	05/2012	\$4,780,000
Preston County PSD #4	Preston	05/2012	\$4,875,087
Southern Jackson County PSD	Jackson	07/2012	\$3,670,000
TOTAL			\$23,820,668

system; the Preston County PSD #4 is upgrading its water plant and extending water service to Clifton Mills; and Southern Jackson PSD is upgrading its distribution system and extending water service to the Gins Creek, Pigeonroost Run, and Faber Hollow areas. The total project costs and tentative bid dates for these projects are listed in the forecast table.

It is anticipated an additional \$8 million will be awarded in the fall of calendar year 2012 for new construction projects which will be advertising for bids in 2013.

**ROBERT D. LEWIS
WV STATE DIRECTOR
USDA RURAL DEVELOPMENT**

The United States Department of Agriculture (USDA), through its Rural Development mission area, administers various programs designed to strengthen rural economies with the expansion of water and sewer infrastructure in rural areas. Rural Development's Water and

USDA Rural Development FY2011 Obligations Water and Wastewater				
PROJECT	TYPE	COUNTY	LOAN	GRANT
Armstrong PSD	Water	Fayette	0	\$270,000
Clinton Water Assoc.	Water	Monongalia	\$2,295,000	0
Friendly PSD	Water	Tyler	\$1,596,000	\$1,190,000
Huttonsville PSD	Water	Randolph	\$1,910,000	\$750,000
Keyser, City of	Sewer	Mineral	\$2,642,000	0
Logan County PSD	Sewer	Putnam	\$230,000	\$836,000
Logan County PSD	Water	Logan	\$1,321,000	\$789,000
Poca, Town of	Sewer	Putnam	\$525,600	0
Putnam PSD	Sewer	Putnam	\$564,800	0
Putnam PSD	Water	Putnam	\$3,785,000	0
Putnam PSD	Water	Putnam	\$1,074,000	0
Wetzel County PSD 1	Water	Wetzel	0	\$1,004,000
TOTAL			\$15,943,400	\$4,839,000

Environmental Program (WEP) provides loans and grants for drinking water, sanitary sewer, solid waste and storm drainage facilities in rural areas and cities and towns with populations of 10,000 or less.

This federal program is intended to finance the construction of such projects and also to provide supervised

credit. Each fiscal year, the WEP receives a loan and grant allocation for supporting projects throughout the state of West Virginia. During fiscal year 2011, Rural Development committed loan funds totaling \$15,943,400 and grant funds totaling \$4,839,000 to 12 projects within the state. These federal funds, along with state and local funds, will benefit



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**WV Infrastructure and Jobs Development Council
2012 Construction Forecast**

SPONSOR	PROJECT #	EST. BID DATE	ENGINEER	IJDC FUNDING
Huttonsville PSD	2007W-963	Fall 2011	Green Engineering	\$2,085,000
Moorefield, Town of	2007S-977	Fall 2011	AECOM Water	\$1,000,000
Ravenclyff-McGraws-Saulsville PSD	95W-163b	Fall 2011	Pentree, Inc.	\$661,000
Reedsville, Town of	2005S-867	Fall 2011	Thrasher Engineering, Inc.	\$500,000
Worthington, Town of	2009S-1163	Winter 2012	Dunn Engineers	\$1,500,000
Belington, City of	95S-155	Winter 2012	Chapman Technical Group	\$1,892,000
Beverly, Town of	2007W-968SC	Winter 2012	Ghosh Engineers, Inc.	\$35,000
Cowen PSD	2011S-1271	Winter 2012	Pentree, Inc.	\$862,000
Crum PSD	2009W-1123	Winter 2012	EL Robinson Engineering	\$635,000
Fairview, Town of	2008W-1047	Winter 2012	Woolpert Engineering	\$2,200,000
Kingwood, City of	2007S-998	Winter 2012	Thrasher Engineering, Inc.	\$200,000
Lubeck PSD	2009S-1096	Winter 2012	EL Robinson Engineering	\$710,000
Shepherdstown, Corporation of	2009W-1146	Winter 2012	Chapman Technical Group	\$4,000,000
Gilbert, Town of	2011W-1269	Winter 2012	EL Robinson Engineering	\$1,967,000
Bluewell PSD	2010W-1207	Spring 2012	Stafford Consultants	\$315,380
Jane Lew PSD	2005S-889	Spring 2012	Thrasher Engineering, Inc.	\$5,367,000
Logan County PSD	2000W-565	Spring 2012	Stafford Consultants	\$4,180,000
Page-Kincaid PSD	97S-360b	Spring 2012	Pentree, Inc.	\$600,000
Paw Paw, Town of	2005S-888	Spring 2012	Thrasher Engineering, Inc.	\$500,000
War, City of	2009W-1144	Spring 2012	Olver, Inc.	\$698,901
New Haven PSD	2011W-1286	Summer 2012	Stafford Consultants	\$66,350
Hardy County PSD	2005S-885	Fall 2012	Thrasher Engineering, Inc.	\$1,900,000
TOTAL BINDING COMMITMENTS				\$31,874,631
Northern Jackson County PSD	2008W-1042	Winter 2012	Boyles and Hildreth	\$1,910,000
Morgantown Utility Board	2011W-1249	Winter 2012	Douglas R. Smith - MUB	\$1,023,013
Preston County PSD #4	2011W-1241	Spring 2012	Greenhorne & O'Mara	\$125,000
Preston County PSD #4	2011W-1258	Spring 2012	Greenhorne & O'Mara	\$45,000
Chestnut Ridge PSD	2004W-824	Summer 2012	Thrasher Engineering, Inc.	\$1,230,000
Chestnut Ridge PSD	r454	Summer 2012	Thrasher Engineering, Inc.	\$195,108
Sugar Creek PSD	2006W-897b	Summer 2012	Dunn Engineers, Inc.	\$1,145,000
Summersville, City of	2011W-1268	Summer 2012	Stafford Consultants	\$2,794,500
Lewis County EDA	2008W-1035	Fall 2012	Thrasher Engineering, Inc.	\$814,000
Lincoln PSD	2010W-1186	Spring 2013	Thrasher Engineering, Inc.	\$750,000
Oakvale Road PSD	2009W-1091	Summer 2013	Stafford Consultants	\$2,366,000
Flemington, Town of	2008S-1050	Winter 2013	Thrasher Engineering, Inc.	125,000
Lewis County Commission/ Lewis County EDA	2009W-1158	Winter 2013	Thrasher Engineering, Inc.	\$1,216,000
Jefferson County PSD/ Jefferson Utilities Inc.	2009W-1082	Spring 2014	Jefferson Utilities Inc.	\$10,050,000
TOTAL PARTIALLY FUNDED PROJECTS				\$36,132,621
TOTAL IJDC BINDING COMMITMENTS & PARTIALLY FUNDED PROJECTS				\$68,007,252

approximately 17,580 households and small businesses throughout rural West Virginia.

**JIM ELLARS
EXECUTIVE DIRECTOR
WV INFRASTRUCTURE AND JOBS
DEVELOPMENT COUNCIL**

Enacted in 1994 by the West Virginia Legislature, the WV Infrastructure and Jobs Development Council (IJDC) was

created to be West Virginia's funding clearinghouse for water and wastewater projects. Any utility wishing to obtain funds from any state agency must first submit a preliminary application for review by IJDC.

The IJDC includes the Governor as chairman, governor-appointed public members from each congressional district, and representatives from the

state's funding and regulatory agencies. This participation coordinates the various funding sources available to maximize the number of water and wastewater projects that go to construction, ultimately providing a better quality of life in West Virginia.

The IJDC has 36 projects with funding commitments in various pre-bid

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Workers install second floor joists in the academic wing at Spring Mills High School in Martinsburg. Photo by Bill Ratcliffe, Williamson Shriver Architects.

stages. These projects total \$68 million in Infrastructure Council funds and are listed on the enclosed table.

**DR. MARK A. MANCHIN
EXECUTIVE DIRECTOR
SCHOOL BUILDING AUTHORITY
OF WEST VIRGINIA**

The School Building Authority (SBA) has the responsibility of evaluating the state's school building needs and selecting specific capital outlay projects that assure effective and efficient use of state's capital

improvement investments. Each year, school districts submit to the Authority a specific project proposal from their approved Comprehensive Educational Facilities Plan for funding consideration.

The SBA is the conduit for the distribution of funds for school construction and renovation and has established a plan to deliver more funds, on an annual basis, to address school needs. In addition to West Virginia schools benefiting greatly by having more funding available for

improvements, the state and local economies benefit through the increase in jobs and spending associated with construction projects.

The future of West Virginia will rely on the growth of the permanent economy by exporting goods and services or replacing imports with local production. The SBA realizes that public and private construction dollars are a proven way to direct dollars to the local economy and are circulated at a rate of 4 or 6 to 1 when both the closely related and non-related industries are considered. Direct construction costs such as materials and labor also affect non-related businesses such as finance and real estate.

Through the SBA, construction funds are distributed throughout the state. Public projects such as these are often smaller in size than commercial ventures so it is easier for local contracting companies to compete. Spin-off subcontractors that do specialized work such as electrical wiring, plumbing, mechanical operations, landscaping, HVAC systems and other construction-related functions can also flourish.

The SBA takes pride in structuring their bids to allow West Virginia contractors to be able to stretch their bonding capacity to participate in the state's school construction program.

The SBA awarded several new projects in 2011. More frequent, continuous, and sustainable expenditures over an extended period of time will have a cumulative effect on the local economy through employment, taxes and local production. The construction generated by the SBA funds will alleviate the need for reactive expenditures created by emergency repairs that only provide short-term solutions to health and safety issues.

The school construction program in West Virginia is nationally recognized as one of the most successful in the nation. The long term financial commitment to economic future of our state is shared by the Governor's office, Legislature, county boards and the tax payers in West Virginia. The continued

**School Building Authority of West Virginia
2012 Bidding Forecast**

COUNTY	PROJECT	EST. BID DATE	EST. COST
Kanawha	Edgewood Elementary	02/2012	\$10,605,557
Preston	South Preston Middle	02/15/2012	\$17,204,580
Marion	East Fairmont Middle	02/15/2012	\$19,350,000
Mineral	Keyser Elementary	03/2012	\$12,537,254
Calhoun	Arnoldsburg Elementary	06/08/2012	\$7,725,168
Wyoming	Pineville Elementary	06/2012	\$10,571,904
Berkeley	Gerrardstown Middle	07/2012	\$109,363,755
Pleasants	St. Mary's High	07/2012	\$23,351,252
Jackson	Kenna Elementary	08/2012	\$9,978,618
Jefferson	Addition/Renovation Harpers Ferry Middle	08/2012	\$6,274,897
Mercer	Oakvale Elementary	08/2012	\$6,181,277
Preston	Central Preston Pre K-8	08/14/2012	\$13,997,506
McDowell	Yeager Elementary	Spring 2012	\$9,900,000
Mingo	Matewan Elementary Riverside	Spring 2012	\$2,016,065
Putnam	Winfield Elementary	Spring 2012	\$8,133,180
Hancock	Weirton Elementary	12/15/2012	\$19,299,060
TOTAL			\$286,490,073

School Building Authority of West Virginia 2011 Needs Funding Commitments

COUNTY	PROJECT	LOCAL FUNDS	EMERGENCY FUNDS	2011 SBA FUNDS
Berkeley	New Gerrardstown Area Middle	\$8,000,000		\$10,015,283
Calhoun	New Arnoldsburg Elementary	\$2,987,358	\$2,000,000	\$3,596,162
Jackson	New Kenna Elementary	\$2,276,000		\$8,738,038
Jefferson	Harpers Ferry Middle Add/Reno	\$2,500,000		\$4,071,862
Mercer	New Oakvale Elementary	\$1,800,000		\$5,068,060
Mingo	Riverside Elementary Add/Reno	\$1,250,000		\$3,148,154
Pleasants	New St. Marys High School	\$12,972,918		\$12,972,918
Preston	New Central Preston Middle	\$7,555,636		\$8,000,000
Putnam	Winfield Elementary Add/Reno	\$2,807,973		\$4,482,665
Wyoming	New Pineville Elementary	\$2,349,312	\$2,000,000	\$7,397,248
MULTI-YEAR COMMITMENTS FROM PREVIOUS FUNDING CYCLES				
Berkeley	New Spring Mills High			\$12,500,000
Cabell	New Beverly Hills Enslow Middle			\$15,185,396
Hancock	New Elementary School			\$9,500,000
Marion	New East Fairmont Middle School			\$7,500,000
Raleigh	New Marsh Fork Elementary School			\$500,000
TOTAL				\$112,675,786

support and participation of West Virginia's construction industry is essential to the continued success of this model school construction program. The SBA is appreciative of the important role our contractors play in continuing the success of West Virginia's school construction program.

**JOE THORNTON
CABINET SECRETARY
WV DEPARTMENT OF MILITARY
AFFAIRS AND PUBLIC SAFETY**

The WV Department of Military Affairs and Public Safety (DMAPS) oversees twelve agencies that handle the state's military, public safety and homeland security. Divisions include Homeland Security and Emergency Management, Veterans Affairs, Regional Jail and Correctional Facility Authority, Division of Corrections, Division of Juvenile Services, Parole Board, Criminal Justice Division, Protective Services, State Police, West Virginia National Guard and State Fire Marshal. Together, they assist local emergency managers and first responders in emergency response, disaster recovery and protection of life and property.

DMAPS oversees each agency's facilities planning. Projects are bid by the independent agency, with most following state Purchasing procedures, although some National Guard and Veterans Affairs projects are bid through Federal procedures. Included is a list of major projects with their anticipated cost.

**COLONEL ROBERT D. PETERSON
DISTRICT COMMANDER
U.S. ARMY CORPS OF ENGINEERS**

The U.S. Army Corps of Engineers Huntington District encompasses 45,000 square miles in parts of five states, including West Virginia, Ohio, Kentucky, Virginia and North Carolina. It is responsible for 311 navigable miles along the Ohio River, which includes the Nation's largest Inland Waterway port, the Port of Huntington. In terms of commodities, in 2010 more than 220.6 million tons of commodities, with a combined value of more than \$28.1 Billion, were moved on the Ohio River.

School Building Authority of West Virginia 2011 MIP Funding Commitments

COUNTY	PROJECT	SBA FUNDS	ACCESS SAFETY FUNDS	QZAB FUNDS	LOCAL FUNDS
Berkeley	Martinsburg North Middle Renovations	\$800,000	\$200,000		\$4,250,000
Boone	Madison Elementary Classroom Addition	\$879,511			
Clay	Clay HS Water Storage Tank	\$59,405			
Fayette	Divide Elementary Classroom / Septic Tank	\$894,261			
Fayette	Valley HS Restroom and MS Gymnasium	\$1,000,000		\$500,000	
Hampshire	Capon Bridge Elementary HVAC Replacement	\$697,350			\$232,451
Harrison	Nutter Fort EL Add / Reno	\$714,646			
Jefferson	Harpers Ferry Middle Cafeteria Renovation	\$800,000			
Mingo	Riverside EL HVAC System	\$226,459			
Preston	Fellowsville EL Add / Reno	\$610,000	\$100,000		\$102,000
Preston	Bruceton Elementary Gym, Cafeteria, Sprinklers, Classroom Renovation	\$1,000,000			
Putnam	Lakeside EL - 6 classroom Add / Reno	\$1,000,000			\$539,000
Putnam	Conner Street Elementary Sprinkler System and 6 Classrooms	\$1,000,000			
Randolph	Third Ward Elementary Renovation	\$1,000,000		\$2,000,000	
Ritchie	Ritchie MS / HS HVAC Renovation	\$630,323			
TOTAL		\$30,611,015			



The West Side Elementary School, built by G&G Builders, Inc., Scott Depot, is the state's first totally integrated smart building. HVAC, security, fire and lighting systems all work in combination. Designed by ZMM, Inc., Charleston, the facility welcomed students for the 2011 school year.

**WV Department of Military Affairs and Public Safety
National Guard 2012 Bidding Forecast**

PROJECT	COST
Wheeling RC Roof	\$75,000
Buckhannon Sanitary Lift Station	\$100,000
Marshall County RC Roof	\$150,000
Coonskin Armory Rest Room Modifications	\$150,000
Point Pleasant Armory Renovations	\$250,000
Camp Dawson Sanitary Lift Station	\$300,000
St Albans Storage Building	\$300,000
Wheeling HVAC	\$350,000
Statewide Lighting Upgrades (ARRA)	\$425,000
Gassaway Add/Alt Phase II	\$500,000
Charleston Emergency Operations Center	\$1,500,000
Camp Dawson Access Control Point	\$1,750,000
Camp Dawson Generator and switchgear	\$2,000,000
Statewide Maintenance and Repair projects	\$4,500,000
Buckhannon AFRC Phase I	\$8,000,000
Logan AFRC	\$13,000,000
TOTAL	\$33,350,000

The locks and dams built and operated by the Corps make efficient year-round navigation transportation possible not only in the Tri-State area, but across the Nation.

The Huntington District employs more than 850 people throughout the district.

Programs include the operation and maintenance of nine locks and dams on the Ohio and Kanawha rivers, and 35 flood damage reduction projects. In addition to riverfront improvements, flood risk management initiatives, environmental mitigation, and infrastructure activities, the District's

robust Civil Works program in West Virginia includes the Bluestone Dam in Hinton which is undergoing improvements to bring it up to current-day safety standards. Also, work has begun on a project to widen and deepen the river channel at Island Creek, near Logan.

Corps-built floodwalls, levees and flood risk management projects provide areas for economic development that enhance the regional economy. The Corps' efforts and accomplishments result in contractor employment and significant purchases of products, materials and services throughout the region. For more information about the Huntington District, or for more information about contracting opportunities, visit the District's website at www.lrh.usace.army.mil.

**ROBERT FERGUSON
SECRETARY
WV DEPARTMENT OF
ADMINISTRATION**

The West Virginia Department of Administration is responsible for



The \$21 million Jackson County Armed Forces Reserve Center was opened on November 11, 2011, Veteran's Day. The 83,000-square-foot facility was built by Neighborgall Construction, Huntington, and designed by ZMM, Inc., Charleston. Photo by Mark's Photo, Ona.

**WV Department of Administration
2012 Construction Forecast**

PROJECT	LOCATION	COST (EST.)
Summer Building – Roof Replacement	Charleston	\$250,000
Veterans’ Memorial - Restoration	Charleston	400,000
Parkersburg Building – Exterior Repairs	Parkersburg	500,000
Doddridge County DHHR – New Construction	Doddridge	700,000
Moorefield DHHR Office – New Construction / Reno	Moorefield	1,500,000
Calhoun County DHHR – New Construction	Calhoun	1,600,000
Wheeling DHHR Office – New Construction / Reno	Wheeling	2,000,000
State Capitol Building – Roof Replacement	Charleston	2,100,000
Parkersburg Corrections Facility – Renovation	Parkersburg	5,000,000
State Capitol – Restroom Renovation	Charleston	6,000,000
State Capitol – HVAC Upgrade	Charleston	6,500,000
Fairmont Corrections Facility – New Construction	Fairmont	7,000,000
City Center West – Renovation	Charleston	8,000,000
Fairmont State Office Building – New Construction	Fairmont	18,000,000
Clarksburg State Office Building – New Construction	Clarksburg	20,000,000
Building 3 – Renovation Project	Charleston	37,000,000
TOTAL		\$116,550,000

**AMY STONEBRAKER
CONTRACTING OFFICER
NATURAL RESOURCES
CONSERVATION SERVICE**

The Natural Resources Conservation Service (NRCS) in West Virginia is ready for another busy construction season. NRCS is actively involved in various phases of the following types of construction projects: flood control structures, emergency watershed protection projects, acid mine drainage projects, dam rehabilitation and repair projects, mitigation measures and wetland restorations. NRCS dedicates a considerable number of staff to these types of projects.

For FY 2012 (October 2011 – September 2012), NRCS anticipates soliciting for work relating to the Lost River Flood Water Retarding Earthfill Dam, Site 16- Hardy County, Upper Deckers Creek Dam Rehabilitation Site 1, and Salem Fork Dam Rehabilitation Site 11 and 11a. It is anticipated that this work will be solicited and performed in various phases. NRCS anticipates soliciting for easement acquisition services relating to the Grassland Reserve Program (GRP) and Wetland Reserve Program (WRP), and also for Wetland Restoration work to be performed in various counties in West Virginia as part of the WRP program.

NRCS uses FedBizOpps

maintaining the State Capitol campus, state office buildings and other state-owned facilities throughout West Virginia. The department strives to provide a safe and comfortable environment for state employees to administer necessary programs and services more efficiently, while maintaining a pleasant atmosphere for those visiting the State Capitol and the state-owned facilities maintained by the Department of Administration.

The General Services and Real Estate divisions of the Department of Administration anticipate construction and renovation projects totaling approximately \$116 million during the 2012 calendar year.

Projects are announced and bid through the West Virginia Purchasing Division. Additional information regarding the Department of Administration is available at www.administration.wv.gov.

**BRADLEY S. LESLIE, PE
ASSISTANT CHIEF
WV DIVISION OF NATURAL
RESOURCES
STATE PARKS SECTION**

West Virginia State Parks and Forests mission is to “promote conservation by preserving and protecting natural areas of unique or exceptional scenic, scientific, cultural, archaeological or

historical significance and to provide outdoor recreational opportunities for the citizens of this state and its visitors.” This mission statement, embodied in state law, has been the guiding principal for operating the West Virginia State Park system since its inception in the late 1920s.

The West Virginia State Park system is composed of 35 state parks, seven state forests, five wildlife management areas, the Greenbrier River Trail, and the North Bend Rail Trail. Projects are bid through the Purchasing Department.

**WV Division of Natural Resources
2012 State Parks Bidding Forecast**

PARK	PROJECT
Canaan Valley Resort State Park	Lodge renovation and 160 new guest rooms Tubing Park and Beginners Ski Area Lift Renovations Snow Making Renovations Snow making water line from Golf Course General Building Renovations Park Water Well Renovation/Construction
Blackwater Falls State Park	Snow Making System Improvements General Building Renovations Slope Lighting
Tygart Lake State Park	Construction of Tygart Beach and Facilities Berwind Pool Tomlinson Run Pool Concession Stand
Hawks Nest/Twin Falls Lodges	Building Structural Repairs
Pipestem Resort State Park	Recreation Building Renovation
Dam Safety Compliance	Berwind Lake Dam Repairs Cacapon Upper Dam Repairs Cacapon Lower Dam Repairs

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When you need help with construction related legal matters, you want a firm that understands the industry and has the know-how and experience required to provide cost-effective solutions. Daniels Law Firm, PLLC focuses on meeting the legal services needs of construction businesses in West Virginia and surrounding states. Our firm represents a broad spectrum of clients, including heavy highway, utility and building contractors, coal mining companies, and construction suppliers. We offer a wide range of services and can handle almost any type of legal problem for our clients. We excel in these and other areas:

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In addition, the firm is engaged in a diversified civil practice and represents clients from all areas of the business community. Daniels Law Firm is a member of the following organizations:

- Contractors Association of West Virginia
- Associated Builders & Contractors, Inc.
- West Virginia Coal Association
- National Utility Contractors Association
- West Virginia Rural Water Association
- West Virginia Society of Certified Public Accountants
- American Arbitration Association



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Offices in Kentucky, Virginia and West Virginia

**West Virginia Higher Education Policy Commission
2012 Construction Forecast**

COLLEGE/UNIVERSITY	PROJECT	COST (EST.)	BID QTR
Bridgmont Community and Technical College	Westmoreland ADA Restroom and Other Renovations	\$330,000	2nd
Eastern WV Community & Technical College	Academic Wing, Moorefield	\$5,600,000	3rd
Glennville State College	New Pioneer Center	\$27,000,000	1st
	Reroof Clark Hall	\$350,000	1st
Marshall University	Science Hall Chiller Self-Cleaning Filter Install	\$60,000	1st
	Henderson Center Sound System	\$400,000	1st
	Visual Arts Ctr/Stone & Thomas Bldg.	\$9,000,000	3rd
	Soccer Complex	\$4,000,000	3rd
	Indoor Practice Field	\$12,000,000	3rd
	Parking Garage	\$6,500,000	1st
	Biotechnology Incubator/Applied Engineering	\$41,500,000	3rd
	Twin Towers HVAC Replacement	\$700,000	1st
Student Center Roof Top Unit #8 Replacement	\$130,000	1st	
New River Community and Technical College	Fine Arts Building and Pool Renovation, Lewisburg	\$3,750,000	1st
	Headquarter Building and Allied Health Wing, Beckley	\$15,000,000	1st
Shepherd University	Stutzman Slonaker HVAC Renovation	\$1,300,000	1st
	Stutzman Slonaker Window Replacement	\$250,000	1st
	Ikenberry Hall Window Replacement	\$250,000	1st
	Route 480 Underpass	\$4,000,000	1st
West Liberty University	Health Science Building	\$20,500,000	2nd
	Shaw Hall Pillar Repairs	\$200,000	1st
	Student Union Roof	\$175,000	1st
	Blatnik Hall Parking Lot & paving repairs	\$100,000	2nd
	Campus Site Improvements	\$100,000	1st
	Kelly Theater Roof Vent	\$75,000	1st
	Beta & Hughes Elevators replacements	\$200,000	1st
	Curtis Hall Gravity Sewer Project	\$75,000	1st
Soccer Field	\$250,000	2nd	
West Virginia Northern Community College	Applied Technology Center Renovation, Wheeling	\$5,000,000	1st
	Student Activity Center and Bookstore	\$2,000,000	1st
	Maintenance Building Renovations	\$1,000,000	2nd
WV School of Osteopathic Medicine	Clinical Evaluation Addition	\$2,500,000	4th
	Science Building Roofing Project	\$300,000	2nd
	Main Building Exterior Restoration Project	\$750,000	4th
West Virginia State University	Fleming Hall Renovation and Addition	\$15,000,000	3rd
	Storage Building	\$600,000	4th
West Virginia University at Parkersburg	Downtown Center, Phase I Renovations	\$2,500,000	2nd
	Main Campus Tech Wing Renovations	\$2,000,000	2nd
West Virginia University	Student Health/CPASS	\$30,000,000	1st
	Law School Addition	\$10,000,000	2nd
	Art Museum	\$6,500,000	3rd
	Advanced Engineering Research Building	\$30,000,000	4th
	Evansdale Infrastructure Upgrade	\$9,000,000	2nd
	Percival Lab Renovations	\$2,000,000	2nd
	Evansdale Library Renovations	\$3,000,000	3rd
Agricultural Science Building	\$63,000,000	4th	
WVU Institute of Technology	Old Main Renovation	\$2,400,000	1st
	CO-ED Resident Hall Demolition and Asbestos Abatement	\$900,000	2nd
West Virginia Council for Community and Technical College Education	Advantage Valley Advanced Technology Center, South Charleston	\$11,000,000	1st
	Early Sitework, North Central West Virginia Advanced Technology Center, Fairmont	\$900,000	1st
	North Central West Virginia Advanced Technology Center, Fairmont	\$13,000,000	2nd
TOTAL		\$367,145,000	

(www.fbo.gov) for posting all contract opportunities that total \$25,000 or more. Contractors can register to receive notification on all Federal contract opportunities. This site allows the contractor to review pre-solicitation notices, view and download solicitation packages and amendments, and receive notice when contracts have been awarded.

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COMMISSION**


The West Virginia Higher Education Policy Commission (WVHEPC) is responsible for developing, establishing, and overseeing the implementation of a public policy agenda for the state's four-year colleges, universities and community and technical colleges. It is charged with oversight of higher education institutions to ensure they are accomplishing their missions and implementing the provisions set by state statute.


The Commission also oversees



Work on the Bluestone Dam to bring the structure up to modern day safety standards has been ongoing for several years. Photo courtesy of CTL Engineering, Inc., South Charleston, who performed materials testing and construction services in conjunction with the U.S. Army Corps of Engineers.

construction at the state's higher education institutions. The level of higher education construction activity will remain high in 2012 as projects are let to bid. It is difficult to predict when

the projects will actually be ready to bid, but they are scheduled to bid in the quarter of 2012 listed in the forecast included with this article. 

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Delve into '12

Better Times for (Some) Mountain State Contractors

By Ken Simonson, Chief Economist, AGC of America

The construction industry in West Virginia lost ground in most of 2011. It appears poised for a partial recovery in 2012. But not all sectors or regions of the state will benefit.

In nine of the first 10 months of 2011, seasonally adjusted construction employment lagged the year-ago level in the Mountain State. However, employment by October had rebounded 14 percent from the low point in March. (Seasonal adjustment is a statistical technique that permits valid comparisons across months by removing variation due solely to normal weather or holiday patterns.)

For 2012, a lot hinges on oil- and gas-bearing shale deposits, both within West Virginia and in surrounding states. West Virginia is fortunate to have two major formations—Marcellus and Utica—under and near the state. Every well requires grading, buildings and pipelines or storage tanks. Depending how much drilling the state allows, there could be a large influx of workers looking for motels, restaurants and services, and perhaps more permanent housing. Royalty payments to landowners and spending by the drilling companies and their workers should strengthen the local economy, including local government budgets, and stimulate additional private and public construction. Transportation and processing of the hydrocarbons will require construction to expand trucking, rail and manufacturing capacity.

In contrast to the boost that oil and gas may provide, West Virginia's coal

industry—and the construction that depends on it—faces a more doubtful future in 2012. The growing abundance of relatively inexpensive and accessible natural gas, along with tighter emissions rules, is leading more power companies to turn from coal- to gas-fired electrical generation. The economic slump in Europe is dampening demand for coal exports, both to Europe and to other countries that depend on Europe as a customer.

West Virginia has historically reaped a disproportionate share of federal spending. But that makes the state vulnerable to suffering an outsized

share of cuts as Congress looks likely to hold down appropriations in 2012, and beyond, either deliberately or through failure to agree on alternative. The ongoing freeze on pay for federal employees and a reduction in the federal workforce poses a triple threat to the state. The shrinking payroll at federal facilities in Martinsburg and elsewhere will contribute less than formerly to the local economy. Workers who commute from the eastern panhandle to government jobs or do construction in the District of Columbia and its suburbs will be similarly affected. And businesses that cater to vacationers, second-home residents



Oil and natural gas related projects, such as this impoundment pond, are expected to be a bright spot for construction in West Virginia in 2012, according to AGC of America. Bear Contracting, LLC, Bridgeport, completed this impoundment pond in Harrison County for PDC Energy.

and retirees from the D.C. area may find those visitors coming less often and spending less.

While the federal spending outlook may be ominous, West Virginia has a prettier state fiscal picture than most states. Unlike many states, West Virginia has not had to make mid-year cuts in spending and has even been able to cut taxes while maintaining a relatively large balance. Contractors who depend on state funding for construction should fare better than in many parts of the country.

Residential construction is not likely to be a big positive in 2012, aside from possible activity in shale-rich areas. In 2010, more people left West Virginia for other states than moved into the state, continuing a longtime pattern that shows no signs of reversing. The number of existing-home sales in the third quarter of 2011 increased 10 percent from the same quarter of 2010, according to the National Association of Realtors, but this pickup was well below the 18 percent national increase. All nine metro areas within West Virginia

or straddling its borders had a decline in home prices over that time period, the Federal Housing Finance Agency reported on November 29. All of these indicators point to further sluggishness in home building.

Contractors should experience some relief from the cost squeeze that pinched them hard early in 2011. Copper prices are unlikely to match the record they set last February, while steel and diesel fuel prices will have more modest increases than in 2011. Gypsum and cement makers have announced large price hikes for early 2012 but may have a hard time making them stick in the face of weak demand. Meanwhile, contractors are gradually facing fewer competitors, as some firms find enough work in their preferred niches and others close their doors. That should help them close the gap between rising materials costs and previously flat bid prices.

Overall, 2012 will be a year of modest and uneven gains, both nationally and in West Virginia.



Ken D. Simonson has been Chief Economist for the Associated General Contractors of America since 2001. He provides insight into the economy and what it implies for construction and related industries through frequent media interviews, presentations and The Data Digest, his weekly one-page e-Newsletter. For additional information, or to subscribe to the publication, visit www.agc.org.

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The Economic Impact of Construction in the United States and West Virginia

Economic Impact of Investment in Nonresidential Construction:

- An additional \$1 billion invested in nonresidential construction would add \$3.4 billion to Gross Domestic Product (GDP), \$1.1 billion to personal earnings and create or sustain 28,500 jobs.
 - About one-third (9,700) of these jobs would be on-site construction jobs.
 - About one-sixth (4,600) of the jobs would be indirect jobs from supplying construction materials and services. Most jobs would be in-state, depending on the project and the mix of in-state suppliers.
 - About half (14,300) of the jobs would be induced jobs created when the construction and supplier workers and owners spend their additional incomes. These jobs would be a mix of in-state and out-of-state jobs. Conversely, investments elsewhere would support some indirect and induced jobs in the state.

Nonresidential Construction Spending:

- Nonresidential spending in the U.S. in 2010 totaled \$555 billion (\$293 billion public, \$262 billion private).
- Private nonresidential spending in West Virginia totaled \$350 million in 2010. (Public spending is not available by state.)
- Nonresidential starts in West Virginia totaled \$1.8 billion in 2010, according to Reed Construction Data.

Construction Employment (Seasonally Adjusted):

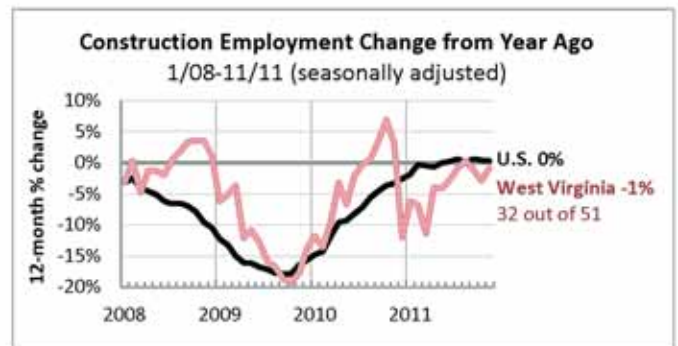
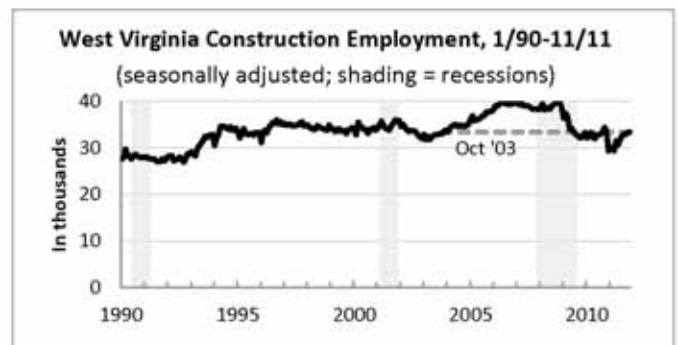
- Construction (residential + nonresidential) employed 5.5 million workers in November 2011, an increase of 18,000 (0.3%) from November 2010 and a decrease of 2.2 million (29%) from April 2006 when U.S. construction employment peaked.
- Construction employment in West Virginia in November totaled 33,400, a decrease of 1% from November 2010 and a decrease of 17% from the state's peak in December 2006.

Construction Industry Pay:

- In 2010, annual pay of all construction workers in the United States averaged \$49,588, 7% more than the average for all private sector employees.
- Construction workers' pay in West Virginia averaged \$47,255, 28% more than all private sector employees in the state.

Small Business:

- The United States had 713,000 construction firms in 2009, of which 92% employed fewer than 20 workers.
- West Virginia had 3,800 construction firms in 2009, of which 93% were small (<20 employees).



Empl. Change by Metro (not seasonally adjusted)		Rank
Metro area or division	11/10-11/11	(out of 337)
Statewide* (Const/mining/logging)	3%	
Charleston*	16%	6
Hagerstown-Martinsburg, MD-WV*	-5%	272
Steubenville-Weirton, OH-WV*	0%	132

*The Bureau of Labor Statistics reports employment for construction, mining and logging combined for most metro areas and some states in which mining and logging have few employers. To allow comparisons between states and their metros, the table shows combined employment change.

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WEST VIRGINIA'S ECONOMIC OUTLOOK AND ITS IMPLICATIONS FOR THE CONSTRUCTION SECTOR

BY TOM S. WITT, PH.D., DIRECTOR, WVU BUREAU OF BUSINESS AND ECONOMIC RESEARCH

The outlook for general employment growth within West Virginia is positive according to the latest economic forecasts from the Bureau of Business and Economic Research. In the West Virginia Economic Outlook 2012 publication (available at www.bber.wvu.edu), the author, Dr. George Hammond, calls for continued state employment growth at an annual rate of one percent through 2016, which is below the forecasted U.S. growth of 1.6 percent per year. But the projected growth is distributed unevenly among the various sectors of the state economy, with strongest annual employment growth over the period 2011-2016 in wood products (+6.6%), other mining (oil and gas +4.8%), transportation equipment (+4.0%) while the greatest decline is in other nondurable manufacturing (-6.2%).

So what about construction employment, given the significant downturn experienced across various construction categories during the Great Recession? The forecasts call for an average annual increase in construction employment of 4.1 percent, a rate slightly below the forecast national rate. For the first part of this decade employment will be stabilized due to lack of consumer demand for new residential housing. While the state was less affected by

residential overbuilding, the exception being the eastern panhandle, the legacy of the Great Recession has reduced construction activity in single family residences. Multi-family residential construction will continue in a few selected areas of the state, most notably in the Morgantown Metro Statistical Area (MSA) and areas associated with the Marcellus shale play.

Commercial and industrial construction will continue at current levels, barring any major changes in federal highway financing. While the coal industry provides construction job and contracting opportunities, projected declines in coal production, particularly in southern West Virginia, will limit the opportunities for firms specializing in this sector.

The greatest potential for employment growth will occur in the natural gas and related sectors if the West Virginia Legislature is able to enact a Marcellus gas bill acceptable to the industry. The upside potential for new construction activity in midstream and pipeline construction as well as gas processing plants and ethane crackers is huge. For example, the American Chemistry Council has determined that 5,600 jobs would be directly created in construction and capital equipment-producing industries if an ethane

cracker were built within the state. Downstream development of a chemical industry using the chemicals produced by a cracker would add additional construction jobs.

In short, the outlook for the construction industry has improved from the levels experienced during the Great Recession. Future employment opportunities may well depend, however, on how effective West Virginia is in attracting additional capital investments in the Marcellus Shale sector.



Dr. Witt is the Associate Dean for Research and Outreach and Director of the WVU Bureau of Business and Economic Research. His research spans the areas of regional economics, public finance and policy, economic development, public school finance, business of forensics and energy economics.



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CONSTRUCTION BRIEFS

■ **The U.S. Department of Transportation has awarded the West Virginia Public Port Authority \$12 million** to help construct an intermodal terminal along the Norfolk Southern railroad tracks near the community of Prichard in Wayne County. According to West Virginia House of Delegates member Don Perdue, D-Wayne, the federal grant, when combined with earmarked state dollars, means the Prichard project is "fully funded and ready to go." Del. Perdue is also executive director of the Wayne County Economic Development Authority. "In recent years, we've been putting aside \$4.3 million a year in state money for the project," he said. "As of the June end of this fiscal year, that state funding will total \$25.8 million. Combined with the \$12 million in federal money just announced, that will certainly be enough to do the job."

The project has been estimated at over \$30 million. The new facility has been in the planning stage for years as part of Norfolk Southern's Heartland Corridor. From its outset, plans for the Heartland Corridor envisioned the construction of three intermodal terminals -- in Roanoke, Virginia; Columbus, Ohio, and Prichard. The terminal will encompass 100 acres between U.S. 52 and the Big Sandy River. Seventy-eight acres are owned by Norfolk Southern, and State officials are in the process of acquiring the remaining 22 acres.

The \$12 million in federal funding was jointly announced by Sens. Jay Rockefeller and Joe Manchin, along with Rep. Nick Rahall, all D-W.Va. The three lawmakers have been long-time supporters of the terminal project. In June, state officials announced **Wayne Concrete Company, Inc.**, Barboursville, had been awarded a \$6.5 million contract to build a bridge on U.S. 52 as part of the plan to develop the facility. Construction on the rail-truck facility will require moving 800,000 cubic yards of earth. Work is expected to start in the Spring ...

■ **West Virginia University has announced \$150 million in plans to renovate the Evansdale Campus in Morgantown.**

University officials are bidding several new buildings on the campus including one for the College of Physical Activity and Sport Sciences and another for the Student Health Center. Other projects include a new Agricultural Sciences building, an Engineering Research building and the already under construction greenhouse facility. The first phase of the project is targeted for completion by 2014. Officials say all the new buildings will have red brick, similar to the Erickson Alumni Center. The goal is to make the buildings look more like those in downtown Morgantown ...

■ **American Electric Power announced plans in early December to invest approximately \$940 million** in its Big Sandy Power Plant located along the Big Sandy River near Fort Gay. The investment is needed to meet EPA requirements and will include construction of a dry flue gas desulfurization (DFGD) or "scrubber" system on the plant's 800-megawatt electricity generation unit. The current plan for the plant's other generating unit (the older of the two; rated at 278 megawatts) is to retire it at the end of 2014. If approved by the Public Service Commission, the DFGD project should be completed sometime in 2016. The company estimates that as many as 700 jobs will be created during the construction period, most of which will be directly utilized in building the DFGD system ...

■ **Marshall University has raised \$52 million through a bond sale to help fund a \$114 million capital improvement plan.** The state is providing \$25 million for the projects and the University is raising \$40 million in private donations. The \$52 million will be used for the design and construction of facilities. That includes

a new parking building, high-tech classroom building, biotechnology incubator and applied engineering complex. There will also be a downtown fine arts incubator and sports facilities including a soccer stadium and indoor practice complex. The indoor practice facility will also house a sports medicine translational research facility that will be involved in different Marshall academic programs. Construction on the first project, a new parking garage, is set to begin in January. Once completed, construction on an engineering complex will begin.

"This new series of capital projects will transform this university in many ways and I'm very very pleased that everything went according to plan and we got everything wrapped up and the bonds closed very successfully, we actually outperformed what we expected," University President Stephens Kopp said. President Kopp says the overall time table depends on how quickly the \$40 million in private gifts can be raised ...

■ **Wyoming County officials are planning to develop a new industrial park** at a former lumber company site. The Wyoming County Economic Development Authority announced plans for the project in November, stating that they intend to work on the project in phases as funding becomes available. Authority Executive Director Christy Laxton says the project, which includes site preparation, hazardous materials cleanup, engineering services and utilities, is estimated to cost is nearly \$600,000. The authority plans to use coalbed methane severance tax revenue to help pay for the project. It also is applying for a federal brownfields grant ...

■ **The U.S. Department of the Interior announced in December that West Virginia will receive \$66.5 million** in grants to clean up abandoned coal mines. Funding for Abandoned Mine Land (AML) grants

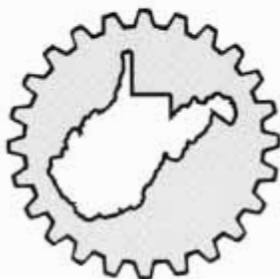
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comes from coal receipts and is distributed through a congressionally mandated formula under the Surface Mining Control and Reclamation Act (SMCRA). Fiscal year 2012 grants will total more than \$485 million, the highest amount ever awarded.

"This generous grant will help clean up residue from abandoned coal mines throughout our state. This is a worthwhile program to make our lands, streams and rivers safer and cleaner. On top of creating a better environment for our kids and grand kids, this grant will create jobs and facilitate stronger economic activity throughout Appalachia," stated U.S. Rep. Shelley Moore Capito, D-WV.

A recently issued Interior report estimated that the \$369 million in AML grants made available for fiscal year

2010 delivered an economic impact of \$1.1 billion dollars and was directly responsible for more than 8,600 jobs. With an increase of \$90 million over fiscal year 2011 funding levels, the economic impact of the \$485 million in grants is expected to exceed that of last year's funding ...

■ **The Boy Scouts of America announced in November that they are planning to acquire more land** for the national adventure camp that's currently under construction in Fayette County. The organization plans to buy 2,700 acres to create a hiking path from The Summit Bechtel Family National Scout Reserve to the New River Gorge National River. In addition, work on the Gateway Village Phase I Project is underway. The project involves

multiple buildings being constructed concurrently with a start date of March 1, 2012 and completion by May 30, 2013. The project will also include geothermal, civil, landscaping and site hardscapes. Eight structures are anticipated for this phase ranging in size from 1,900 SF to 25,000 SF. Uses include office, retail, food, restroom and adventure facilities. The adventure camp is scheduled to open in 2013 with the national Boy Scout's Jamboree ...

■ **Bids were accepted on November 11, 2011, for repairs to the Summers County Courthouse.** The building was featured as part of the Courthouse Facilities Improvement Authority article in the September / October edition of *West Virginia*

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CONSTRUCTION BRIEFS

Construction News. **Tri-State Roofing and Sheet Metal Company**, Charleston, submitted the low bid of \$494,568. **Kalkreuth Roofing & Sheet Metal, Inc.**, Wheeling, bid the project at \$544,000 ...

■ **After more than a decade of planning, the National Youth Science Foundation has finalized site plans** for its permanent 111-acre youth science center in the secluded mountains of the Canaan Valley in Tucker County. The foundation plans for the \$50 million facility along the Blackwater River near Davis to draw in young scientists from across the country and around the world for science immersion and outdoor programs. In 2009, the foundation purchased the 111-acre swath of land next to protected national forest in the Canaan Valley and began

brainstorming sessions with the architectural firm Perfido Weiskopf Wagstaff + Goettel to create a sustainable learning environment with recreational and support facilities. In mid-October, the foundation released its master plan, which details site features like a main assembly hall, dining hall, forested amphitheater, guest lodge, science classrooms, recreational facilities and student and staff cabins. The site also includes a bog, a wetland ecosystem, forests of maple, spruce and ash, natural caves, exposed rock faces and nearby mountain peaks ...

■ **Bids were accepted on December 18 for extending a waterline** in Summersville. Work included over 50,000 LF of water line. The project, which was designed by **Pentree, Inc.**, Princeton, received bids

from **FAMCO, Inc.**, Huntington, at \$2,400,995; **Welding, Inc.**, Charleston, at \$2,892,325; **J. F. Allen Company**, Buckhannon, at \$2,911,127; **Cowgirl Up, Inc.**, Simpson, at \$2,982,725; West Virginia Pipeline, Inc., Princeton, at \$2,978,900; and Pro Contracting, Inc., Clarksburg, at \$3,673,025 ...

■ **Berkeley Springs received a \$304,000 grant to overhaul** a train depot that opened in 1915. The Federal Highway Administration's Transportation Enhancement Grant will be used to repair the roof and restore the interior and the grounds. The depot is on the National Register of Historic Places. The superstructure under the Mission-style clay tiles on the roof has deteriorated, and the interior has some water damage. Work will also include ADA upgrades to the restrooms. Work is expected to be complete by 2013 ...

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CONSTRUCTION BRIEFS

■ **Construction could begin this winter on segments of a planned 16.7-mile rail-trail** along the Meadow River in Fayette and Greenbrier counties. The trail will be built on the railbed of a CSX spur line abandoned in 2008. A \$264,000 federal stimulus grant paid for the rail line's right of way, valued at \$128,400 and a \$50,000 environmental survey. The remaining stimulus funds, plus an \$80,000 grant from the federal Recreational Trails Program and \$86,000 in matching funds from Fayette and Greenbrier counties, will pay for engineering work on the new trail and its trailhead facilities, and cover the costs of an initial phase of construction.

"The bid package is ready to go, and will be sent out soon," said Bill Robinson, state trail coordinator with the West Virginia Department of Transportation. "While volunteer trail

work shuts down in the winter, a lot of the work on a trail like this will involve heavy equipment that can work through the season." The first phase of construction will involve building a trailhead access facility at Russellville, just off W.Va. 41 along the Fayette-Greenbrier county line, plus the decking of a nearby trestle crossing the Meadow River, and the construction of at least one mile of rail-trail ...

■ **Tri-State Airport announced plans in November for a new \$33 million structure.** Officials say an upswing in passenger traffic has left the facility critically short on parking. The airport will construction a \$33.5 million Tri-State Intermodal Transportation and Business Center. The center would house not only parking but also some airport operations, as well as office spaces for the airport and other

tenants. Airport Director Jerry Brienza says Tri-State has applied for a \$17.5 federal grant that, if approved, would cover slightly more than half of the center's cost. The grant is being sought, Brienza says, through the federal Transportation Investment Generating Economic Recovery (TIGER III) program. He says the intermodal nature of the new, larger project should improve its chances of winning approval of the grant.

If the federal grant is secured, Brienza says, the airport could raise the necessary additional funding through a mix of dedicated parking revenues, fees on passengers and car rental customers and rental income from leased spaces. He notes the airport also has the authority to sell bonds. Brienza says he expects the airport will learn the fate of its grant application in the first quarter of 2012. If the grant is

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CONSTRUCTION BRIEFS

approved, he says, the airport will hire an architect and began the necessary detailed planning work on the project ...

■ **Davis Health Systems will break ground on a new medical care center** located on the Davis Memorial Hospital campus in Elkins this fall. The \$13 million project will house the region's first integrated network of primary care and specialty health care providers. It will serve as a model, delivering the highest level of quality health care, efficiency and access to patients and families, according to a news release. The project involves constructing a three-story building between the hospital and the Cancer Care Center. The first two floors of the 45,000-square-foot facility will be finished and occupied immediately, with the top story available for future expansion. Specialty physicians' offices will be

located in the new facility. This includes family practices and medical specialties such as surgery, pediatrics, obstetrics, gynecology and other health care services. The expansion project also includes construction of a two-story entrance on the east side of Davis Memorial Hospital. The new 24,000-square-foot section will connect the new medical center with the hospital and house a new registration area, outpatient phlebotomy and other outpatient services. One central entrance will provide access to most physician offices and related outpatient services, which will create more privacy for those using the emergency department ...

■ **Shell Chemicals will build a "multibillion-dollar" ethane cracker somewhere** in West Virginia, Ohio or Pennsylvania. As the company

continues reviewing potential construction sites, the final announcement should be set for January, said Dan Carlson, general manager of new business development for Shell. The firm's parent company, Royal Dutch Shell, announced plans for the cracker earlier this year, but only specified the facility would be built somewhere in Appalachia. The project would employ as many as 10,000 construction workers, with "several hundred" employees getting permanent jobs for Shell at the facility that would cover "hundreds" of acres. In addition to the direct jobs at the cracker, an American Chemistry Council study showed that gaining a cracker would help West Virginia create about 12,000 new permanent jobs. 📍

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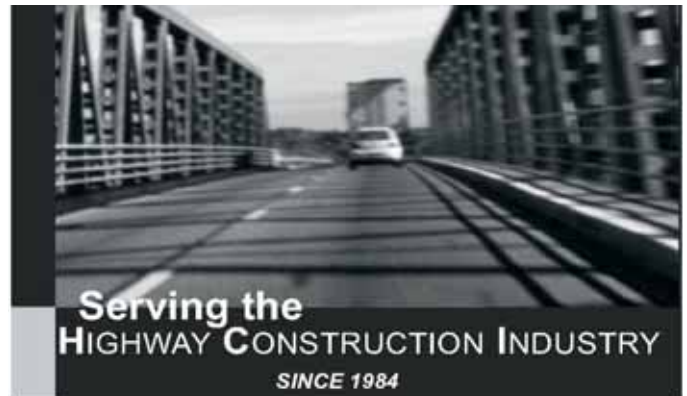
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