

## National Gateway – Phase 1 FHWA Quarterly Status Report 30Sept12

**Project Description:** Phase 1 of the National Gateway Initiative involves improving 40 vertical clearance restrictions across four states (OH, MD, PA, and WV) along the existing CSX tracks. Phase 1 will allow double-stack container trains to move between the Northwest Ohio Intermodal Terminal (North Baltimore, OH) and the newly opened intermodal facility in Chambersburg, Pennsylvania. There are various methods of gaining double stack clearances depending on the conditions and parameters of the site. These projects include bridge replacements, bridge removals, bridge modifications, tunnel modifications, tunnel open cuts and track lowerings. Some of the work will require the installation of new interlockings to permit continuous operations during the construction phase. CSX forces will engage in various signal and track work, while contractors will handle the greater part of the construction.

**Background:** The National Gateway will improve the flow of intermodal container traffic between ports on the West Coast and major consumption markets in the East by taking advantage of a large new terminal that CSX has been opened in Northwest Ohio. This state-of-the-art facility will enable rail traffic to flow more efficiently through Chicago, reduce transit time by 24 to 48 hours, and complement other terminals being constructed or expanded as part of this initiative in Pennsylvania, Baltimore/Washington, D.C. region, Virginia and North Carolina. Overall the National Gateway will help improve the economic competitiveness of the nation and assist the states and ports in handling the demand for future freight movement with the widening of the Panama Canal in 2014.

**Critical Issues:** (See highlighted items in the Design and Construction Status Section)

- Tunnel Package III Construction Schedule
- Stabilization of the Pinkerton Tunnel

**Budget and Schedule Status:** The below tables reflect all current cost, budget, and schedule information, as agreed to in the National Gateway TIGER Grant Agreement and Initial Financial Plan (16Dec10) for all Phase 1 projects located within the National Gateway Corridor. This table reflects expenditures from each of the budgeted funding types, and does not include costs incurred by CSX that have not been reimbursed yet by the other 4 funding sources.

Table 1 – Total Costs:

Type of Funding	Budgeted Amount	Expended this Period	Expended to Date	Remaining Amount	Percent Complete
TIGER Grant	\$98,000,000.00	\$0.00	\$25,585,498.66	\$72,414,501.34	26.1%
PA TAP Grant	\$35,000,000.00	\$0.00	\$10,700,000.00	\$24,300,000.00	30.6%
Ohio-ARRA	\$20,455,000.00	\$0.00	\$9,100,000.00	\$11,355,000.00	44.5%
Ohio Dept of Dev (ODOD)	\$10,000,000.00	\$0.00	\$2,100,000.00	\$7,900,000.00	21.0%
CSXT	\$25,100,000.00	\$0.00	\$5,830,000.00	\$19,270,000.00	23.2%
<b>Total</b>	<b>\$188,555,000.00</b>	<b>\$0.00</b>	<b>\$53,315,498.66</b>	<b>\$135,239,501.34</b>	<b>28.3%</b>

Table 2 – TIGER Funded Projects:

Site	Location	Budgeted Amount	Expended to Date	Planned Finish	Actual Finish
Thornton Street	Akron OH	\$583,433	\$676,996	31Mar11	
Overhead Walkway	Akron OH	\$870,242	\$1,391,414	30Mar11	
W&LE RR Bridge	Kent OH	\$3,127,134	\$1,895,561	20Dec11	
Main Street	Kent OH	\$4,986,334	\$1,862,642	20Dec11	
Pedestrian Bridge	Kent OH	\$676,044	\$209,892	23Dec11	
W&LE RR Br. (ABC)	Kent OH	\$1,340,001	\$246,525	23Dec11	
NS Railroad Bridge	Ravenna OH	\$1,719,527	\$1,890,304	20Dec11	
<i>Abandoned RR Bridge</i>	<i>Youngstown OH</i>	<i>\$300,536</i>	<i>\$484,885</i>	<i>1Jul11</i>	<i>30Mar12</i>
Benford Tunnel	Confluence PA	\$4,281,001	\$3,025,856	7Mar12	

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Site	Location	Budgeted Amount	Expended to Date	Planned Finish	Actual Finish
Brook Tunnel	Confluence PA	\$13,910,446	\$8,675,785	8Feb12	
Shoo Fly Tunnel	Confluence PA	\$3,815,037	\$4,251,798	7Jul11	
Pinkerton Tunnel	Confluence PA	\$23,474,629	\$18,739,913	16Mar12	
Sand Patch Tunnel	Sand Patch PA	\$4,785,823	\$530,750	18Sep12	
Falls Cut Tunnel	Fairhope PA	\$4,973,875	\$279,318	31Jan13	
CSXT RR Bridge	Mexico MD	\$2,337,522	\$506,038	28Oct11	
Carothers Tunnel	Paw Paw WV	\$10,171,484	\$4,912,903	1May12	
Graham Tunnel	Magnolia MD	\$15,634,563	\$3,625,836	28Aug12	
Stuart Tunnel	Hansrote WV	\$6,258,348	\$1,868,910	29Aug11	
Randolph Tunnel	Hansrote WV	\$10,368,686	\$6,757,383	1Nov11	
<i>Magnolia Interlocking</i>	<i>Magnolia WV</i>	<i>\$7,322,766</i>	<i>\$6,829,793</i>	<i>3May11</i>	<i>26Oct11</i>

**Table 3 – Non-TIGER Funded Projects:**

Site	Location	Budgeted Amount	Expended to Date	Planned Finish	Actual Finish
TR 391	Sullivan OH	\$2,154,466	\$1,804,788	10May12	
TR 150	Sullivan OH	\$1,393,298	\$1,358,121	10May12	
River Corners Road	Pawnee OH	\$5,708,328	\$2,375,547	30Apr12	
Pawnee Road	Pawnee OH	\$313,441	\$110,385	30Apr12	
Mud Lake Road	Creston OH	\$1,650,620	\$915,209	28Oct11	
<i>Park Street</i>	<i>Akron OH</i>	<i>\$480,356</i>	<i>\$888,081</i>	<i>2Aug11</i>	<i>22Jul11</i>
<i>Crain Avenue (ODOT Project)</i>	<i>Kent OH</i>	<i>N/A</i>	<i>N/A</i>	<i>15Jun12</i>	<i>28Aug12</i>
<i>New Interlocking</i>	<i>Kent OH</i>	<i>\$4,608,013</i>	<i>\$3,269,554</i>	<i>24May11</i>	<i>4Apr12</i>
Knapp Road	Ravenna OH	\$1,618,467	\$390,594	30Mar12	
Rock Spring Road	Newton Falls OH	\$3,836,099	\$2,015,063	30Mar12	
<i>Install Interlocking</i>	<i>Ravenna OH</i>	<i>\$4,405,853</i>	<i>\$4,108,926</i>	<i>12Mar11</i>	<i>4Apr12</i>
<i>5th Street</i>	<i>Niles OH</i>	<i>\$1,857,227</i>	<i>\$2,039,605</i>	<i>30Nov11</i>	<i>18May12</i>
<i>Overhead Walkway</i>	<i>Corapolis PA</i>	<i>\$199,918</i>	<i>\$103,838</i>	<i>18Mar11</i>	<i>26May11</i>
Ohio Central RR	McKees Rocks PA	\$4,187,682	\$2,060,805	11Nov11	
<i>Chartiers Creek</i>	<i>Pittsburgh PA</i>	<i>\$208,235</i>	<i>\$251,270</i>	<i>2Feb11</i>	<i>24Jun11</i>
Smithfield Street	Pittsburgh PA	\$1,402,994	\$2,046,530	15Nov11	
J&L Tunnel	Pittsburgh PA	\$20,699,931	\$7,391,021	8Jan13	
<i>Walnut Street</i>	<i>Versailles PA</i>	<i>\$958,719</i>	<i>\$1,595,062</i>	<i>7Mar11</i>	<i>08Feb12</i>
Church Street	Garrett PA	\$3,555,385	\$2,080,735	25May12	
Blue Lick Truss	Sand Patch PA	\$843,496	\$943,171	31Oct11	
<i>RR Bridge</i>	<i>Hyndman PA</i>	<i>\$152,378</i>	<i>\$51,122</i>	<i>5Jan11</i>	<i>18Aug11</i>

**Table 4 – Contract & Payment Status:**

Vendor	Description	CSX Contract Value	Percent Complete
Allison Park Contractors	<i>Walnut Street</i>	<i>\$140,067</i>	<i>100%</i>
	Pittsburgh and Ohio Central RR	\$1,975,000	40%
Clearwater Construction	Church Street	\$1,848,000	82%

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<i>Great Lakes Contractors</i>	<i>Kent Ohio Interlocking</i>	<i>\$1,198,800</i>	<i>100%</i>
	<i>Ravenna Interlocking</i>	<i>\$740,640</i>	<i>100%</i>
	<i>5th Street Bridge</i>	<i>\$735,100</i>	<i>100%</i>
<i>Grigori Construction</i>	<i>Remove Coraopolis Overhead Walkway</i>	<i>\$17,202</i>	<i>100%</i>
Hardrock Tunnel, JV	Stuart & Randolph Tunnels	\$10,544,287	60%
Independence Excavating	University of Akron Overhead Walkway	\$1,040,000	99%
	Thornton Street	\$428,000	99%
Joseph B. Fay	<i>Abandoned RR bridge</i>	<i>\$272,201</i>	<i>100%</i>
	Benford, Shoofly, & Pinkerton Tunnels	\$19,992,419	66%
	Blue Lick Truss	\$680,895	80%
	W&LE RR Bridge	\$643,980	99%
	Main Street	\$797,325	99%
	NS Railroad Bridge	\$803,620	99%
Kokosing Construction	TR 391 & TR 150 Bridges	\$2,411,911	95%
	ABC Bridge/Hike & Bike Trail	\$922,713	0%
	Knapp & Rock Spring Rd Bridges	\$4,850,628	50%
Lane Construction	Smithfield Street	\$358,271	80%
LRL Construction	Brook Tunnel	\$6,132,209	88%
	Carothers & Graham Tunnels	\$12,971,887	40%
	Sand Patch & Falls Cut Tunnels	\$5,014,000	0%
Mascaro Construction	J&L Tunnel	\$9,542,739	60%
Mosser Construction	River Corners & Pawnee Road Bridges	\$3,771,700	29%
<i>Polivka International</i>	<i>Magnolia Interlocking</i>	<i>\$696,961</i>	<i>100%</i>
Ruhlin	Mud Lake Road Bridge	\$1,428,505	41%
	<i>Park Street Bridge</i>	<i>\$514,410</i>	<i>100%</i>
Hill International	Construction Management	\$1,659,001	N/A
TranSystems-Hill Gateway		\$11,450,643	N/A
AECOM	Design Management	\$764,362	N/A
AMEC		\$256,700	N/A
Arcadis			N/A
Jacobs		\$2,669,690	N/A
URS		\$260,909	N/A

**Design and Construction Status:**

Site	City/Town	State	Status
TR 391 and TR150	Sullivan	OH	Final walkthrough with Sullivan Township and Ashland County is scheduled for this week. The transfer of property for TR150 from CSX to the Township is anticipated.
River Corners Road and Pawnee Road	Pawnee	OH	River Corners Rd is completing final preparations for the bridge deck pour. US 224 Embankment work is complete on the east side and will begin on the west side soon. Pile driving for new bridge over Black River is complete and the pier cap for Pier 1 has been formed and poured. Project completion date is expected to be February 2013.

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Site	City/Town	State	Status
Mud Lake Road	Westfield	OH	Abutment work is ongoing. Both abutments have been backfilled. Steel beams have been set and diaphragm work is underway. Project completion date is expected to be December 2012.
Thornton Street	Akron	OH	Project completed, and final Construction Inspection will be scheduled once 70% ground cover has been achieved.
University of Akron Overhead Walkway	Akron	OH	Project completed, and final Construction Inspection will be scheduled once 70% ground cover has been achieved.
<b>New Interlocking</b>	<b>Kent</b>	<b>OH</b>	<b>All 4 turnouts are installed and in service. Materials on site that are not Buy America compliant will be considered Federal-Aid non-participating.</b>
W&LE Railway Bridge Project	Kent	OH	Project completed, and final Construction Inspection will be scheduled once 70% ground cover has been achieved.
Main Street	Kent	OH	For CSX employee safety, a permanent handrail is being added to the non-historic wall that was lowered. Final Construction Inspection will be scheduled once 70% ground cover has been achieved. OSHPO has completed the final review, and report is pending.
<b>Crain Avenue</b>	<b>Kent</b>	<b>OH</b>	<b>Project has been cleared.</b>
Recreational Trail	Kent	OH	A limited NTP has been issued for the Recreational Trail. The contractor has mobilized to the site and the trail detour route has begun.
W&LE Bridge raising	Kent	OH	Akron Bedford and Cleveland (ABC) Railroad has not signed a formal construction agreement although there has been an agreement in principal and the final signatures are being collected. The maximum outage for the ABC line will be 72 hours.
NS Railroad Bridge track lowering	Ravenna	OH	Project is complete, and final Construction Inspection will be scheduled once 70% ground cover has been achieved.
Knapp Road and Rock Springs Road	Ravenna & Newton Falls	OH	The bridge deck has been poured on Rock Spring Road. Removal of the old structure over Hinckley Creek has begun. Project completion date is expected to be May 2013.
<b>Ravenna Interlocking</b>	<b>Ravenna</b>	<b>OH</b>	<b>All 4 turnouts are installed and in service. Materials on site that are not Buy America compliant will be considered Federal-Aid non-participating.</b>
Pittsburgh & Ohio Central Railroad	McKees Rocks	PA	Jack and Bore pipe work is complete, and drainage swale work is underway. Project cleared in August. Project completion is expected by November 2012.
Smithfield Street	Pittsburgh	PA	Run around track has been removed, and panels are being shipped to Pinkerton Tunnel. Project completion is expected by November 2012.
J&L Tunnel	Pittsburgh	PA	PLY 1.96 has been removed. Asbestos abatement at PLY 2.37 is expected to be completed in October. TP1 wall extensions and roof slabs are ongoing. Waterproofing and backfilling TP2 now. Excavation has begun on TP3. Project completion date is expected to be the end of December 2012.
<b>Benford Tunnel/Shoofly Tunnel/Pinkerton Tunnel (Package 1B)</b>	<b>Confluence</b>	<b>PA</b>	<b>Work at Benford Tunnel is ongoing with portal retreat expected in early October. Shoofly Tunnel has been removed with only E&amp;S remaining. Pinkerton Tunnel emergency repairs are complete and the tunnel will continue to be closely monitored. The elevation for the runaround track has been reached. Panels are being delivered from Smithfield St, and the track cutover is expected at the end of the month. Project completion date is expected to be April 2013.</b>
Brook Tunnel	Confluence	PA	Four steel sets will need remediation. Underdrain work has begun. Project completion date is expected to be November 2012.
Church Street	Garrett	PA	Approach slabs and parapet walls have been poured. Project completion is expected by November 2012.
Blue Lick Truss	Sand Patch	PA	Contractor is beginning punchlist work and will be demobilizing soon. Project completion is expected by the end of October 2012.
Sand Patch Tunnel/Falls Cut Tunnel (Package 2)	Sand Patch/Fairhope	PA	NTP will be issued after completion of Tunnel Package III.

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Site	City/Town	State	Status
CSX Railroad Bridge	Mexico Farms	MD	Contractor has mobilized and begun installing E&S controls as well as clearing and grubbing.
Carothers, Stuart, Randolph, Graham Tunnels (Package III)	Paw Paw, Magnolia, Hansrote	WV	<p>Projects are under construction. These 4 tunnels needed to be complete by September 2012 in order to maintain the overall Corridor schedule.</p> <p>Steel sets are being installed in <b>Carothers</b> with 762' of 996' complete in the Tunnel. Contractor continues Type B Ground work with 822' of the 1592' complete in Graham Tunnel. <b>Graham</b> Tunnel is expecting approximately a two month delay due to the Pinkerton repairs. Project completion is expected December 31, 2012.</p> <p><b>Randolph</b> is 100% cleared, with only drainage items remaining. 635' of notching has been completed in <b>Stuart</b>, but the amount of notching may need to be increased.</p>

**Work Completed (major milestones and recently completed items):**

- ✓ The Finding of No Significant Impact (FONSI) for the National Gateway Project was signed by FRA and EFLHD on 22Nov10.
- ✓ The TIGER Grant Agreement was executed between the Ohio Rail Development Commission and EFLHD on 16Dec10.
- ✓ The Memorandums of Agreement were executed between the States of Ohio, Pennsylvania, Maryland, West Virginia, EFLHD, and CSX on 17Dec10.
- ✓ The Initial Financial Plan was signed on 7Mar11.
- ✓ Twenty Four vertical clearance obstructions have been cleared at the following locations:
  - Removed Overhead Pedestrian Walkway in Coraopolis, PA on 26May11.
  - Modified Chartiers Creek Bridge in Pittsburgh, PA on 24Jun11.
  - Removed Park Street Bridge in Akron, OH on 22Jul11.
  - Confirmed clearance on Bridge in Hyndman, PA on 18Aug11.
  - 5<sup>th</sup> Street Bridge has been removed due to damage caused by an unrelated derailment accident.
  - Tracks have been lowered at Walnut Street on 05Nov11.
  - TR 391 Bridge was removed on 14Mar12.
  - Abandoned RR Bridge in Youngstown, OH was removed on 18Mar12.
  - Shoo Fly Tunnel was removed/open cut on 17May12.
  - Church Street Bridge was removed on 23May12.
  - Rock Springs Bridge was removed on 6June12.
  - PLE 1.96 Bridge at J&L Tunnel was removed on 12Jun12.
  - Tracks have been lowered at Thornton Street Bridge on 12Jun12.
  - Tracks have been lowered on the Akron Overhead Walkway on 12Jun12.
  - Mud Lake Road Bridge was removed on 19Jun12.
  - Clearance was achieved in Randolph Tunnel on 10Jul12.
  - TR150 Bridge was removed on 11Jul12.
  - Tracks were lowered at the W&LE RR, Main Street, and NS RR Bridges on 17Jul12.
  - Blue Lick Truss Bridge was raised on 17Aug12.
  - Tracks have been lowered at the Pittsburgh & OC RR Bridge on 23Aug12.
  - Tracks were lowered at the Smithfield Street Bridge on 27Aug12.
  - Crain Avenue Bridge was removed on 28Aug12.
- ✓ Final Design Plan approvals have been issued for all of the 43 clearance projects.

**Conclusion:** The project continues to make good progress, with all of the clearance projects in the construction phase. All 43 clearance projects have received design plan approval, and there continues to

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be good cooperation between all parties involved. 31 projects are currently under construction, with 24 of the 40 obstructions cleared. The mountain tunnel projects are still the critical path with the last one scheduled for completion in the June 2013. The Pinkerton Tunnel Project has experienced problems during construction that has caused delays on other nearby projects. This is being monitored for its impact to the overall Corridor schedule, and corrective steps. Monthly Coordination Meetings are held for the Project and EFLHD conducts construction site visits for the active construction projects in the Corridor.

**Contacts:**

*Project Director*

**Laurin Lineman, 703-404-6261**

*Senior Project Manager*

**Robert Morris, 703-404-6302**

*Project Web Sites:* [www.efl.fhwa.dot.gov/projects/gateway-clearance.aspx](http://www.efl.fhwa.dot.gov/projects/gateway-clearance.aspx)  
[www.nationalgateway.org](http://www.nationalgateway.org)

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Pictures for the Quarter



Removal of Roof Sections at J&L Tunnel (PA)



Completion of Open-Cut Operations at the Shoofly Tunnel Project (PA)