

National Gateway – Phase 1 FHWA Quarterly Status Report 31Mar12

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
- Completion of the Interlocking Projects in Ohio

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	\$932,225.65	\$11,661,771.13	\$86,338,228.87	11.9%
PA TAP Grant	\$35,000,000.00	\$4,300,000.00	\$4,300,000.00	\$30,700,000.00	12.3%
Ohio-ARRA	\$20,455,000.00	\$0.00	\$240,000.00	\$20,215,000.00	1.2%
Ohio Dept of Dev (ODOD)	\$10,000,000.00	\$0.00	\$129,915.00	\$9,870,085.00	1.3%
CSXT	\$25,100,000.00	\$730,000.00	\$5,830,000.00	\$19,270,000.00	23.2%
Total	\$188,555,000.00	\$5,962,225.65	\$22,161,686.13	\$166,393,313.87	11.8%

Table 2 – TIGER Funded Projects:

Site	Location	Budgeted Amount	Expended to Date	Planned Finish	Actual Finish
Thornton Street	Akron OH	\$583,433	\$175,944	31Mar11	
Overhead Walkway	Akron OH	\$870,242	\$303,261	30Mar11	
W&LE RR Bridge	Kent OH	\$3,127,134	\$207,146	20Dec11	
Main Street	Kent OH	\$4,986,334	\$208,265	20Dec11	
Pedestrian Bridge	Kent OH	\$676,044	\$167,832	23Dec11	
W&LE RR Br. (ABC)	Kent OH	\$1,340,001	\$67,569	23Dec11	
NS Railroad Bridge	Ravenna OH	\$1,719,527	\$109,333	20Dec11	
<i>Abandoned RR Bridge</i>	<i>Youngstown OH</i>	<i>\$300,536</i>	<i>\$220,561</i>	<i>1Jul11</i>	<i>30Mar12</i>
Benford Tunnel	Confluence PA	\$4,281,001	\$660,950	7Mar12	

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Site	Location	Budgeted Amount	Expended to Date	Planned Finish	Actual Finish
Brook Tunnel	Confluence PA	\$13,910,446	\$5,240,508	8Feb12	
Shoo Fly Tunnel	Confluence PA	\$3,815,037	\$899,825	7Jul11	
Pinkerton Tunnel	Confluence PA	\$23,474,629	\$4,676,847	16Mar12	
Sand Patch Tunnel	Sand Patch PA	\$4,785,823	\$483,557	18Sep12	
Falls Cut Tunnel	Fairhope PA	\$4,973,875	\$259,690	31Jan13	
CSXT RR Bridge	Mexico MD	\$2,337,522	\$147,277	28Oct11	
Carothers Tunnel	Paw Paw WV	\$10,171,484	\$2,737,847	1May12	
Graham Tunnel	Magnolia MD	\$15,634,563	\$1,903,940	28Aug12	
Stuart Tunnel	Hansrote WV	\$6,258,348	\$865,717	29Aug11	
Randolph Tunnel	Hansrote WV	\$10,368,686	\$2,444,820	1Nov11	
<i>Magnolia Interlocking</i>	<i>Magnolia WV</i>	<i>\$7,322,766</i>	<i>\$6,649,226</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	\$731,397	10May12	
TR 150	Sullivan OH	\$1,393,298	\$341,922	10May12	
River Corners Road	Pawnee OH	\$5,708,328	\$520,317	30Apr12	
Pawnee Road	Pawnee OH	\$313,441	\$75,508	30Apr12	
Mud Lake Road	Creston OH	\$1,650,620	\$187,295	28Oct11	
<i>Park Street</i>	<i>Akron OH</i>	<i>\$480,356</i>	<i>\$796,874</i>	<i>2Aug11</i>	<i>22Jul11</i>
Crain Avenue (ODOT Project)	Kent OH	N/A	N/A	15Jun12	
New Interlocking	Kent OH	\$4,608,013	\$2,597,417	24May11	
Knapp Road	Ravenna OH	\$1,618,467	\$123,202	30Mar12	
Rock Spring Road	Newton Falls OH	\$3,836,099	\$195,656	30Mar12	
Install Interlocking	Ravenna OH	\$4,405,853	\$2,990,544	12Mar11	
5th Street	Niles OH	\$1,857,227	\$860,203	30Nov11	
<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	\$601,254	11Nov11	
<i>Chartiers Creek</i>	<i>Pittsburgh PA</i>	<i>\$208,235</i>	<i>\$208,220</i>	<i>2Feb11</i>	<i>24Jun11</i>
Smithfield Street	Pittsburgh PA	\$1,402,994	\$959,036	15Nov11	
J&L Tunnel	Pittsburgh PA	\$20,699,931	\$863,284	8Jan13	
<i>Walnut Street</i>	<i>Versailles PA</i>	<i>\$958,719</i>	<i>\$1,551,688</i>	<i>7Mar11</i>	<i>08Feb12</i>
Church Street	Garrett PA	\$3,555,385	\$500,958	25May12	
Blue Lick Truss	Sand Patch PA	\$843,496	\$214,786	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
<i>Allison Park Contractors</i>	<i>Walnut Street</i>	<i>\$140,067</i>	<i>100%</i>
Clearwater Construction	Church Street	\$1,848,000	14%
Great Lakes Contractors	Kent Ohio Interlocking	\$1,198,800	70%

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	Ravenna Interlocking	\$740,640	68%
	5th Street Bridge	\$735,100	54%
<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	15%
	<i>Abandoned RR bridge</i>	<i>\$272,201</i>	<i>100%</i>
Joseph B. Fay	Benford, Shoofly, & Pinkerton Tunnels	\$19,992,419	20%
	Blue Lick Truss	\$680,895	0%
	TR 391 & TR 150 Bridges	\$2,411,911	7%
Kokosing Construction	ABC Bridge/Hike & Bike Trail	\$922,713	0%
	Knapp & Rock Spring Rd Bridges	\$4,850,628	0%
Lane Construction	Smithfield Street	\$358,271	64%
	Brook Tunnel	\$6,132,209	61%
LRL Construction	Carothers & Graham Tunnels	\$12,971,887	10%
	Sand Patch & Falls Cut Tunnels	\$5,014,000	0%
Mascaro Construction	J&L Tunnel	\$9,542,739	5%
Mosser Construction	River Corners & Pawnee Road Bridges	\$3,771,700	0%
<i>Polivka International</i>	<i>Magnolia Interlocking</i>	<i>\$696,961</i>	<i>100%</i>
	Mud Lake Road Bridge	\$1,428,505	5%
	<i>Park Street Bridge</i>	<i>\$514,410</i>	<i>100%</i>
Hill International	Construction Management	\$1,659,001	11%
TranSystems-Hill Gateway		\$11,450,643	20%
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	Stage II design work is underway. Contractor has mobilized and is driving piles after TR 391 was removed. Project completion date is expected to be August 2012.
River Corners Road and Pawnee Road	Pawnee	OH	Stage II design work is underway. E&S site work is scheduled for April.
Mud Lake Road	Westfield	OH	Under Design (as part of Design-Build). Stage 1 design review in December. Anticipated start of construction in Spring 2012, with completion by the end of 2012.
Thornton Street	Akron	OH	Civil work is mostly complete and the undercutter is expected after the Kent, OH jobs are complete. Project completion date is expected to be the end of May 2012.
University of Akron Overhead Walkway	Akron	OH	Removal of the old Amtrak Platform is complete. Crash Wall work is beginning. Project completion date is expected to be the end of May 2012.
New Interlocking	Kent	OH	All 4 turnouts are installed. Signals are being tested and the signal cut over is scheduled for this April. It has been learned that some materials are on site that are not Buy America compliant.

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Site	City/Town	State	Status
W&LE Railway Bridge Project	Kent	OH	Construction NTP has been delayed until spring 2012 due to interlocking project under construction in Kent, OH.
Main Street	Kent	OH	Construction NTP has been delayed until spring, 2012 due to not receiving the construction agreement with the City of Kent.
Crain Avenue	Kent	OH	The Crain Avenue Bridge Project is under construction (administered by OH DOT).
Recreational Trail	Kent	OH	This contract has been awarded, but NTP has been delayed due to one property issue concerning a TCE. A formal construction agreement is needed before any work can occur. No issues are anticipated for the construction agreement with the City of Kent which is close to being signed. A construction agreement is also needed with the other railroad and this is being coordinated by CSX. The agreement is almost executed and in the final stages.
W&LE Bridge raising	Kent	OH	This contract has been awarded, with NTP expected soon. A formal construction agreement is needed before any work can occur. ABC Railroad is currently holding up the agreement.
NS Railroad Bridge track lowering	Ravenna	OH	Construction NTP has been delayed until spring, 2012 due to interlocking project under construction in Kent, OH
Knapp Road and Rock Springs Road	Ravenna & Newton Falls	OH	Pre-design meeting was held on October 12th. CSX is working through an agreement with Portage County on providing reimbursement for oversight and providing future flagging.
Ravenna Interlocking	Ravenna	OH	All 4 turnouts are installed. Signals are being tested and the signal cut over is scheduled for this April. It has been learned that some materials are on site that are not Buy America compliant.
5 th Street Bridge replacement	Niles	OH	Project cleared due to recent derailment. Notice to Proceed was issued on 9/15. The project schedule has been accelerated in order to replace the bridge that is now removed. Structural steel for the bridge has been set and diaphragms are being installed. Expect project completion in May 2012.
Abandoned Railroad Bridge	Youngstown	OH	Project complete and obstruction cleared.
Ohio Central Railroad	McKees Rocks	PA	Project has been changed from a bridge raising project to a track lowering project. EFL provided final plan comments on 3/28/12. Final Bid Documents are expected in April.
Smithfield Street	Pittsburgh	PA	The project is currently under construction. Unanticipated items keep being discovered under the railroad which are complicating construction and slowing progress. To date, several pipe lines and a 54" utility chase have been discovered. The track lowering for Smithfield Street will most likely not occur until spring.
J&L Tunnel	Pittsburgh	PA	Clearing has been completed, with surveying and excavation underway. Completion of the project is scheduled by the end of 2012. A Public Informational Meeting was held in late March.
Walnut Street	McKeesport	PA	Project complete and obstruction cleared.
Benford Tunnel/Shoofly Tunnel/Pinkerton Tunnel (Package 1B)	Confluence	PA	To date, most of the work is localized to the Pinkerton Tunnel and the associated EMPA. Over 70 acres have been cleared. Due to the recent weather, contractor has been limited to breaking up the rock. Some blasting has begun at the tunnel sites. Excavation at Shoofly has reached the limit of what can be done above the Tunnel without track closures.
Brook Tunnel	Confluence	PA	Approximately 1650 linear feet of tunnel liner have been removed. AB ground excavation completed in November. C ground excavation remains at the ends of the tunnel (~400' on each side). Project is on schedule; completion is expected by May 2012.
Church Street	Garrett	PA	Contract has been awarded, with NTP issued on December 7. Design is underway, with contractor expecting to mobilization soon. Project completion is expected by November 2012.

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Site	City/Town	State	Status
Blue Lick Truss	Sand Patch	PA	Contractor plans to lift the bridge in Spring 2012, and has submitted their lifting plan for review and approval. A condition survey for the lifting is being completed. Lifting is expected to occur at night in early May 2012. Project completion is expected for April 2012.
Sand Patch Tunnel/Falls Cut Tunnel (Package 2)	Sand Patch/Fairhope	PA	NTP will be issued after completion of Tunnel Package III.
CSX Railroad Bridge	Mexico Farms	MD	A new tail track alignment has been developed for this project and this required a new property acquisition. EFL provided final plan comments on 3/28/12. Final Bid Documents are expected in April.
Carothers, Stuart, Randolph, Graham Tunnels (Package 3)	Paw Paw, Magnolia, Hansrote	WV	All 4 tunnels are under construction. These 4 tunnels must be complete by September 2012 in order to maintain the overall Corridor schedule. Progress is being made and things are going well. Latest review shows expected completion on target for September 2012. EMPA's are projecting a short fall and permits will be altered for more than expected materials.

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.
- ✓ Eight 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.
 - 5th 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..
- ✓ Final Design Plan approvals have been issued for 41 of the 43 clearance projects.

Conclusion: The project has made considerable progress, with all of the clearance projects almost entirely in the construction phase. 41 of the 43 clearance projects have received design plan approval, and there continues to be good cooperation between all parties involved. 27 projects are currently under construction, with 8 of the 40 obstructions cleared. The mountain tunnel projects are still the critical path with the last one scheduled for completion in the Spring of 2013. Monthly Coordination Meetings are held for the Project and EFLHD conducts construction site visits for the active construction projects in the Corridor.

Contacts:

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Project Web Sites: www.efl.fhwa.dot.gov/projects/gateway-clearance.aspx
www.nationalgateway.org

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Pictures for the Quarter



1st Bridge Beam lifted into place at 5th Street Project (OH)



Removal of the Abandoned RR Bridge in Youngstown (OH)