

National Gateway – Phase 1 FHWA Quarterly Status Report 31Dec11

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	\$6,681,138.90	\$10,729,545.48	\$87,270,454.52	10.9%
PA TAP Grant	\$35,000,000.00	\$0.00	\$0.00	\$35,000,000.00	0.0%
Ohio-ARRA	\$20,455,000.00	\$611,503.00	\$633,169.00	\$19,821,831.00	3.1%
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	\$0.00	\$5,100,000.00	\$20,000,000.00	20.3%
Total	\$188,555,000.00	\$7,292,641.90	\$16,592,629.48	\$171,962,370.52	8.8%

Table 2 – TIGER Funded Projects:

Site	Location	Budgeted Amount	Expended to Date	Planned Finish	Actual Finish
Thornton Street	Akron OH	\$583,433	\$102,917	31Mar11	
Overhead Walkway	Akron OH	\$870,242	\$60,949	30Mar11	
W&LE RR Bridge	Kent OH	\$3,127,134	\$196,271	20Dec11	
Main Street	Kent OH	\$4,986,334	\$197,734	20Dec11	
Pedestrian Bridge	Kent OH	\$676,044	\$152,016	23Dec11	
W&LE RR Br. (ABC)	Kent OH	\$1,340,001	\$50,096	23Dec11	
NS Railroad Bridge	Ravenna OH	\$1,719,527	\$66,685	20Dec11	
Abandoned RR Bridge	Youngstown OH	\$300,536	\$108,377	1Jul11	
Benford Tunnel	Confluence PA	\$4,281,001	\$573,421	7Mar12	

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Site	Location	Budgeted Amount	Expended to Date	Planned Finish	Actual Finish
Brook Tunnel	Confluence PA	\$13,910,446	\$3,346,854	8Feb12	
Shoo Fly Tunnel	Confluence PA	\$3,815,037	\$389,498	7Jul11	
Pinkerton Tunnel	Confluence PA	\$23,474,629	\$2,407,409	16Mar12	
Sand Patch Tunnel	Sand Patch PA	\$4,785,823	\$469,048	18Sep12	
Falls Cut Tunnel	Fairhope PA	\$4,973,875	\$215,403	31Jan13	
CSXT RR Bridge	Mexico MD	\$2,337,522	\$54,450	28Oct11	
Carothers Tunnel	Paw Paw WV	\$10,171,484	\$1,069,144	1May12	
Graham Tunnel	Magnolia MD	\$15,634,563	\$774,991	28Aug12	
Stuart Tunnel	Hansrote WV	\$6,258,348	\$516,426	29Aug11	
Randolph Tunnel	Hansrote WV	\$10,368,686	\$1,021,964	1Nov11	
Magnolia Interlocking	Magnolia WV	\$7,322,766	\$6,481,519	3May11	

Table 3 – Non-TIGER Funded Projects:

Site	Location	Budgeted Amount	Expended to Date	Planned Finish	Actual Finish
TR 391	Sullivan OH	\$2,154,466	\$298,027	10May12	
TR 150	Sullivan OH	\$1,393,298	\$156,889	10May12	
River Corners Road	Pawnee OH	\$5,708,328	\$228,275	30Apr12	
Pawnee Road	Pawnee OH	\$313,441	\$62,406	30Apr12	
Mud Lake Road	Creston OH	\$1,650,620	\$152,865	28Oct11	
<i>Park Street</i>	<i>Akron OH</i>	<i>\$480,356</i>	<i>\$767,518</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	\$1,419,474	24May11	
Knapp Road	Ravenna OH	\$1,618,467	\$47,203	30Mar12	
Rock Spring Road	Newton Falls OH	\$3,836,099	\$53,167	30Mar12	
Install Interlocking	Ravenna OH	\$4,405,853	\$1,259,807	12Mar11	
5th Street	Niles OH	\$1,857,227	\$188,590	30Nov11	
<i>Overhead Walkway</i>	<i>Corapolis PA</i>	<i>\$199,918</i>	<i>\$103,227</i>	<i>18Mar11</i>	<i>26May11</i>
Ohio Central RR	McKees Rocks PA	\$4,187,682	\$290,511	11Nov11	
<i>Chartiers Creek</i>	<i>Pittsburgh PA</i>	<i>\$208,235</i>	<i>\$207,466</i>	<i>2Feb11</i>	<i>24Jun11</i>
Smithfield Street	Pittsburgh PA	\$1,402,994	\$715,312	15Nov11	
J&L Tunnel	Pittsburgh PA	\$20,699,931	\$424,212	8Jan13	
Walnut Street	Versailles PA	\$958,719	\$708,334	7Mar11	
Church Street	Garrett PA	\$3,555,385	\$391,372	25May12	
Blue Lick Truss	Sand Patch PA	\$843,496	\$180,158	31Oct11	
<i>RR Bridge</i>	<i>Hyndman PA</i>	<i>\$152,378</i>	<i>\$47,473</i>	<i>5Jan11</i>	<i>18Aug11</i>

Table 4 – Contract & Payment Status:

Vendor	Description	CSX Contract Value	Percent Complete
Allison Park Contractors	Walnut Street	\$140,067	33%
Clearwater Construction	Church Street	\$1,848,000	0%
Great Lakes Contractors	Kent Ohio Interlocking	\$1,198,800	32%

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	Ravenna Interlocking	\$740,640	25%
	5th Street Bridge	\$735,100	7%
<i>Grigori Construction</i>	<i>Remove Coraopolis Overhead Walkway</i>	<i>\$17,202</i>	<i>100%</i>
Hardrock Tunnel, JV	Carothers, Graham, Stuart & Randolph Tunnels	\$19,640,794	7%
Joseph B. Fay	Abandoned RR bridge	\$272,201	0%
	Benford, Shoofly, & Pinkerton Tunnels	\$19,992,419	1%
	Blue Lick Truss	\$680,895	0%
Kokosing Construction	TR 391 & TR 150 Bridges	\$2,411,911	0%
	ABC Bridge/Hike & Bike Trail	\$922,713	0%
	Knapp & Rock Spring Rd Bridges	\$4,850,628	0%
Lane Construction	Smithfield Street	\$358,271	37%
LRL Construction	Brook Tunnel	\$6,132,209	35%
Mascaro Construction	J&L Tunnel	\$9,542,739	0%
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>
Ruhlin	Mud Lake Road Bridge	\$1,428,505	5%
	Park Street Bridge	\$514,410	96%
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. Anticipated start of construction in Spring 2012, with project completion date in August 2012.
River Corners Road and Pawnee Road	Pawnee	OH	NTP was issued on 10/31. Stage 1 design package was submitted, with comments received. Project is on schedule
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.
Thornton Street	Akron	OH	Project has been awarded. Because of undercutting scheduling issues, work will not progress until spring of 2012.
University of Akron Overhead Walkway	Akron	OH	Demolition work will begin soon, weather permitting. Other construction will not begin until Spring 2012.
New Interlocking	Kent	OH	Construction NTP was issued on 9/9. All 4 turnouts are installed. Signal work is underway and will be completed in Spring 2012. Construction of 3 other clearance projects in Ohio have been delayed until this interlocking is in service.
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 interlocking project under construction in Kent, OH.

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Site	City/Town	State	Status
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. A coordination meeting was scheduled for the week of Jan 9 to try and resolve the track time issue in the agreement.
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. Signal work is underway and will be completed in Spring 2012. Construction of 3 other clearance projects in Ohio have been delayed until this interlocking is in service.
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. Expected project completion is in April 2012.
Abandoned Railroad Bridge	Youngstown	OH	Contract has been signed. NTP has been delayed due to property access issue with an adjacent landowner. Same landowner is also claiming ownership of bridge through Common Law. A meeting is scheduled for Jan 10 with the landowner to try and resolve the easement issue.
Ohio Central Railroad	McKees Rocks	PA	Project has been changed from a bridge raising project to a track lowering project. Final Plans are scheduled for completion by 1Feb12.
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	Contract award was made, with a pre-construction meeting held on 10/20. Signing of the project agreement has been completed. Survey work is complete. A 30% design meeting is scheduled to occur in January. Construction is scheduled to begin in January, with completion of the project by the end of 2012.
Walnut Street	McKeesport	PA	Project is nearly complete. A final walk through/inspection will be scheduled for January.
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. The goal is to remove most of the topsoil before winter and excavate rock during the winter months. Some blasting is planned at the tunnel sites, but this will need to be approved.
Brook Tunnel	Confluence	PA	Approximately 1400 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 completion is expected in April 2012 or sooner.
Church Street	Garrett	PA	Contract has been awarded, with NTP issued on December 7. Design is underway, with construction planned for the Spring. Project completion is expected by November 2012.
Blue Lick Truss	Sand Patch	PA	NTP issued on 10/24, with a Pre-Construction Meeting held on December 8. Contractor plans to lift the bridge in Spring 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.

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Site	City/Town	State	Status
CSX Railroad Bridge	Mexico Farms	MD	A new tail track alignment has been developed for this project and this will require a new property acquisition. Final plans are expected by the end of Jan-12, with advertisement scheduled for Spring 2012.
Carothers, Stuart, Randolph, Graham Tunnels (Package 3)	Paw Paw, Magnolia, Hansrote	WV	Projects are under construction. Tunnel liner removal is a number of weeks behind schedule and contractor seems to be unable to meet required deadline for clearance. CSX could proceed with a number of remedies which would penalize the contractor, but would not help the project meet schedule. Because these projects are on the critical path, it is important they stay on schedule. EFL and ORDC have concurred on the procurement process of splitting two tunnels off as a separate project and re-advertising to the previously short-listed firms. They also concurred with the award recommendation for LRL submitted by CSX for the Graham and Caruthers Tunnels. These 4 tunnels are on the critical path and must be complete by September 2012 in order to maintain the overall Corridor schedule.
Magnolia Interlocking	Magnolia	WV	The interlocking is in service. The final site work is being completed. Project will be scheduled for a final walk-through in Oct-11.

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.
- ✓ Six 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.
- ✓ Completed the installation of the new Magnolia, WV Interlocking and put it into service on 17Jun11.
- ✓ Final Design Plan approvals have been issued for 40 of the 43 clearance projects.

Conclusion: The project has made considerable progress, with all of the clearance projects almost entirely in the construction phase. 40 of the 43 clearance projects have received design plan approval, and there continues to be good cooperation between all parties involved. 24 projects are currently under construction, with 6 of the 40 obstructions cleared. The mountain tunnel projects are on the critical path with the last one scheduled for completion on 31Jan13. The current schedule for completion of the Phase I Corridor is Spring 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



Open Cut Construction Operations at the Pinkerton Tunnel (PA)



Construction of the Kent Interlocking (OH)