

National Gateway – Phase 1 FHWA Quarterly Status Report 30Sep11

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)

- Resolve the permitting issues for Tunnel Package Ib (Benford, Shoofly and Pinkerton Tunnels)
- Tunnel Package III Construction Schedule

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.

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	\$556,017.45	\$3,998,167.41	\$94,001,832.59	4.1%
PA TAP Grant	\$35,000,000.00	\$0.00	\$0.00	\$35,000,000.00	0.0%
Ohio-ARRA	\$20,455,000.00	\$21,666.00	\$21,666.00	\$20,433,334.00	0.1%
Ohio Dept of Dev (ODOD)	\$10,000,000.00	\$129,915.00	\$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	\$707,598.45	\$9,249,748.41	\$179,305,251.59	4.9%

Table 2 – TIGER Funded Projects:

Site	Location	Budgeted Amount	Expended to Date	Planned Finish	Actual Finish
Thornton Street	Akron OH	\$583,433	\$0.00	31Mar11	
Overhead Walkway	Akron OH	\$870,242	\$0.00	30Mar11	
New Interlocking	Kent OH	\$4,608,013	\$16,919	24May11	
W&LE RR Bridge	Kent OH	\$3,127,134	\$0.00	20Dec11	
Main Street	Kent OH	\$4,986,334	\$0.00	20Dec11	
Pedestrian Bridge	Kent OH	\$676,044	\$1,482	23Dec11	
W&LE RR Br. (ABC)	Kent OH	\$1,340,001	\$1,645	23Dec11	
NS Railroad Bridge	Ravenna OH	\$1,719,527	\$0.00	20Dec11	
Abandoned RR Bridge	Youngstown OH	\$300,536	\$993	1Jul11	
Benford Tunnel	Confluence PA	\$4,281,001	\$56,961	7Mar12	

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Site	Location	Budgeted Amount	Expended to Date	Planned Finish	Actual Finish
Brook Tunnel	Confluence PA	\$13,910,446	\$0.00	8Feb12	
Shoo Fly Tunnel	Confluence PA	\$3,815,037	\$0.00	7Jul11	
Pinkerton Tunnel	Confluence PA	\$24,153,545	\$966,040	16Mar12	
Sand Patch Tunnel	Sand Patch PA	\$4,785,823	\$2,000	18Sep12	
Falls Cut Tunnel	Fairhope PA	\$4,973,875	\$0.00	31Jan13	
CSXT RR Bridge	Mexico MD	\$2,337,522	\$0.00	28Oct11	
Carothers Tunnel	Paw Paw WV	\$10,171,484	\$27,988	1May12	
Graham Tunnel	Magnolia MD	\$15,634,563	\$25,455	28Aug12	
Stuart Tunnel	Hansrote WV	\$6,258,348	\$7,040	29Aug11	
Randolph Tunnel	Hansrote WV	\$10,368,686	\$60,552	1Nov11	
Magnolia Interlocking	Magnolia WV	\$7,322,766	\$2,295,640	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	\$22,950	10May12	
TR 150	Sullivan OH	\$1,393,298	\$41,371	10May12	
River Corners Road	Pawnee OH	\$5,708,328	\$63,355	30Apr12	
Pawnee Road	Pawnee OH	\$313,441	\$2,239	30Apr12	
Mud Lake Road	Creston OH	\$1,650,620	\$475	28Oct11	
<i>Park Street</i>	<i>Akron OH</i>	<i>\$480,356</i>	<i>\$14,548</i>	<i>2Aug11</i>	<i>22Jul11</i>
Crain Avenue (ODOT Project)	Kent OH	N/A	N/A	15Jun12	
Knapp Road	Ravenna OH	\$1,618,467	\$1,602	30Mar12	
Rock Spring Road	Newton Falls OH	\$3,836,099	\$1,276	30Mar12	
Install Interlocking	Ravenna OH	\$4,405,853	\$3,765	12Mar11	
5th Street	Niles OH	\$1,857,227	\$0.00	30Nov11	
<i>Overhead Walkway</i>	<i>Corapolis PA</i>	<i>\$199,918</i>	<i>\$0.00</i>	<i>18Mar11</i>	<i>26May11</i>
Ohio Central RR	McKees Rocks PA	\$4,187,682	\$0.00	11Nov11	
<i>Chartiers Creek</i>	<i>Pittsburgh PA</i>	<i>\$208,235</i>	<i>\$0.00</i>	<i>2Feb11</i>	<i>24Jun11</i>
Smithfield Street	Pittsburgh PA	\$1,402,994	\$0.00	15Nov11	
J&L Tunnel	Pittsburgh PA	\$20,699,931	\$0.00	8Jan13	
Walnut Street	Versailles PA	\$958,719	\$0.00	7Mar11	
Church Street	Garrett PA	\$3,555,385	\$0.00	25May12	
Blue Lick Truss	Sand Patch PA	\$843,496	\$0.00	31Oct11	
<i>RR Bridge</i>	<i>Hyndman PA</i>	<i>\$152,378</i>	<i>\$0.00</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	0%
Great Lakes Contractors	Kent Ohio Interlocking	\$1,198,800	4%
	Ravenna Interlocking	\$740,640	0%
	5th Street Bridge	\$735,100	0%

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<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	3%
Joseph B. Fay	Abandoned RR bridge	\$272,201	0%
	Benford, Shoofly, & Pinkerton Tunnels	\$19,992,419	0%
	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	8%
LRL Construction	Brook Tunnel	\$6,132,209	17%
Mascaro Construction	J&L Tunnel	\$9,542,739	0%
Mosser Construction	River Corners & Pawnee Road Bridges	\$3,771,700	0%
Polivka International	Magnolia Interlocking	\$696,961	74%
Ruhlin	Mud Lake Road Bridge	\$1,428,505	3%
	Park Street Bridge	\$514,410	47%
Hill International	Construction Management	\$1,659,001	9%
TranSystems-Hill Gateway		\$11,450,643	13%
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	First design submittal is in and being reviewed.
River Corners Road and Pawnee Road	Pawnee	OH	Notice to Proceed has been issued. Pre-design meeting to be held in Oct-11. One property acquisition still needs to be resolved.
Mud Lake Road	Westfield	OH	Under Design (as part of Design-Build). 70% design to be distributed in Oct-11.
Thornton Street	Akron	OH	Project to be awarded soon. However, it may be a while before scheduled undercut work may begin, due to scheduling of CSX undercutting forces.
University of Akron Overhead Walkway	Akron	OH	Project to be awarded soon. However, construction NTP may be delayed until spring 2012.
New Interlocking	Kent	OH	Construction NTP was issued on 9Sep11. CSX wants to get the turnouts installed this year, with signal work to be completed in spring 2012.
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.
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 an issue concerning a temporary construction easement. A formal construction agreement between CSX and ABC Railroad is needed before any work can occur. This agreement is being finalized by CSX.

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Site	City/Town	State	Status
W&LE Bridge raising	Kent	OH	This contract has been awarded, but NTP has been delayed due to an issue concerning a temporary construction easement. A formal construction agreement between CSX and ABC Railroad is needed before any work can occur. This agreement is being finalized by CSX.
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 is scheduled for 12Oct11.
Ravenna Interlocking	Ravenna	OH	Construction is underway, with signal work expected to occur in the spring.
5 th Street Bridge replacement	Niles	OH	Height restriction cleared due to recent unrelated CSX derailment accident. Notice to Proceed was issued on 15Sep11.
Abandoned Railroad Bridge	Youngstown	OH	Contract has been awarded. NTP has been delayed due to property access issue with an adjacent land owner. Alternate construction access is being investigated. The construction will be fairly quick and is anticipated to only last around six weeks.
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. Some unanticipated pipes were discovered under the railroad and they are slowing the progress. As a result, the Walnut Street project will be scheduled for undercutting first. Additional research has not yet revealed why the pipelines are present or who they belong to.
J&L Tunnel	Pittsburgh	PA	Contract award has been made for this design-build project. Pre-construction conference is scheduled for 20Oct11.
Walnut Street	McKeesport	PA	Project is under construction. Track 1 undercutting is complete. Track 2 undercutting has been delayed due to available track time.
Benford Tunnel/Shoofly Tunnel/Pinkerton Tunnel (Package 1B)	Confluence	PA	Notice to Proceed was issued on 26Sep11. All PA DEP permits are now in place. Erosion control and clearing/tree removal work has begun. So far, most of the work is localized to the Pinkerton Tunnel and the associated excess material placement area (EMPA).
Brook Tunnel	Confluence	PA	Construction is approximately 50% complete; 1,100 linear feet of the tunnel liner have been removed.
Church Street	Garrett	PA	Project award of this design-build contract will occur soon.
Blue Lick Truss	Sand Patch	PA	Project has been awarded, with NTP expected in Oct-11.
Sand Patch Tunnel/Falls Cut Tunnel (Package 2)	Sand Patch/Fairhope	PA	The Pre-Bid Meeting was held for Tunnel Package II on 7Jul11 in Garrett, PA. Bids were received on 15Aug11. Award has not been finalized since the work for this project will follow the completion of the Magnolia projects. Contractors have agreed to lengthen the time for which their bids will be valid.
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. The project is being surveyed now and the wetland delineation has been completed. Final plans are expected by the end of Jan-12.
Carothers, Stuart, Randolph, Graham Tunnels (Package 3)	Paw Paw, Magnolia, Hansrote	WV	Tunnels are under construction; however, the tunnel liner removal is a number of weeks behind schedule. CSX and the contractor are working on a recovery plan to put the project back on schedule, and will be meeting in October to discuss this further. CSX is mindful of this delay and monitoring the project closely. These mountain tunnels are on the critical path for the entire Corridor.
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.

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- ✓ 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.
- ✓ Five 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. New bridge is not yet in place, but the obstruction to rail traffic is clear.
- ✓ Completed the installation of the new Magnolia, WV Interlocking and put it into service on 17Jun11.
- ✓ Final Design Plan approvals have been issued for 41 of the 43 clearance projects.
- ✓ All environmental permits were obtained from PA DEP for Tunnel Package IB (open cut tunnels).

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. The mountain tunnel projects are on the critical path with the last one scheduled for completion on 31Jan13. Monthly Coordination Meetings are held for the Project and EFLHD conducts construction site visits for the active construction projects in the Corridor.

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

Pictures for the Quarter



Tunnel Liner Removal in Brook Tunnel



Magnolia Interlocking Site