

National Gateway – Phase 1 FHWA Quarterly Status Report 30Jun12

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	\$13,973,966.70	\$25,635,737.83	\$72,364,262.17	26.2%
PA TAP Grant	\$35,000,000.00	\$6,400,000.00	\$10,700,000.00	\$24,300,000.00	30.6%
Ohio-ARRA	\$20,455,000.00	\$8,860,000.00	\$9,100,000.00	\$11,355,000.00	44.5%
Ohio Dept of Dev (ODOD)	\$10,000,000.00	\$1,970,085.00	\$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%
Total	\$188,555,000.00	\$31,204,051.70	\$53,365,737.83	\$135,189,262.17	28.3%

Table 2 – TIGER Funded Projects:

Site	Location	Budgeted Amount	Expended to Date	Planned Finish	Actual Finish
Thornton Street	Akron OH	\$583,433	\$521,292	31Mar11	
Overhead Walkway	Akron OH	\$870,242	\$1,037,369	30Mar11	
W&LE RR Bridge	Kent OH	\$3,127,134	\$754,374	20Dec11	
Main Street	Kent OH	\$4,986,334	\$707,075	20Dec11	
Pedestrian Bridge	Kent OH	\$676,044	\$179,117	23Dec11	
W&LE RR Br. (ABC)	Kent OH	\$1,340,001	\$175,278	23Dec11	
NS Railroad Bridge	Ravenna OH	\$1,719,527	\$932,100	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	\$682,656	7Mar12	

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Site	Location	Budgeted Amount	Expended to Date	Planned Finish	Actual Finish
Brook Tunnel	Confluence PA	\$13,910,446	\$7,203,755	8Feb12	
Shoo Fly Tunnel	Confluence PA	\$3,815,037	\$1,644,071	7Jul11	
Pinkerton Tunnel	Confluence PA	\$23,474,629	\$8,457,370	16Mar12	
Sand Patch Tunnel	Sand Patch PA	\$4,785,823	\$500,186	18Sep12	
Falls Cut Tunnel	Fairhope PA	\$4,973,875	\$264,405	31Jan13	
CSXT RR Bridge	Mexico MD	\$2,337,522	\$445,686	28Oct11	
Carothers Tunnel	Paw Paw WV	\$10,171,484	\$4,429,378	1May12	
Graham Tunnel	Magnolia MD	\$15,634,563	\$2,287,010	28Aug12	
Stuart Tunnel	Hansrote WV	\$6,258,348	\$1,156,693	29Aug11	
Randolph Tunnel	Hansrote WV	\$10,368,686	\$4,221,490	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	\$1,093,797	10May12	
TR 150	Sullivan OH	\$1,393,298	\$504,011	10May12	
River Corners Road	Pawnee OH	\$5,708,328	\$796,251	30Apr12	
Pawnee Road	Pawnee OH	\$313,441	\$84,756	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>\$885,610</i>	<i>2Aug11</i>	<i>22Jul11</i>
Crain Avenue (ODOT Project)	Kent OH	N/A	N/A	15Jun12	
<i>New Interlocking</i>	<i>Kent OH</i>	<i>\$4,608,013</i>	<i>\$3,234,615</i>	<i>24May11</i>	<i>4Apr12</i>
Knapp Road	Ravenna OH	\$1,618,467	\$175,012	30Mar12	
Rock Spring Road	Newton Falls OH	\$3,836,099	\$331,561	30Mar12	
<i>Install Interlocking</i>	<i>Ravenna OH</i>	<i>\$4,405,853</i>	<i>\$4,038,856</i>	<i>12Mar11</i>	<i>4Apr12</i>
<i>5th Street</i>	<i>Niles OH</i>	<i>\$1,857,227</i>	<i>\$2,004,095</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	\$682,047	11Nov11	
<i>Chartiers Creek</i>	<i>Pittsburgh PA</i>	<i>\$208,235</i>	<i>\$245,539</i>	<i>2Feb11</i>	<i>24Jun11</i>
Smithfield Street	Pittsburgh PA	\$1,402,994	\$1,521,842	15Nov11	
J&L Tunnel	Pittsburgh PA	\$20,699,931	\$2,067,825	8Jan13	
<i>Walnut Street</i>	<i>Versailles PA</i>	<i>\$958,719</i>	<i>\$1,560,345</i>	<i>7Mar11</i>	<i>08Feb12</i>
Church Street	Garrett PA	\$3,555,385	\$776,206	25May12	
Blue Lick Truss	Sand Patch PA	\$843,496	\$237,755	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	11%
Clearwater Construction	Church Street	\$1,848,000	21%

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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	40%
Independence Excavating	University of Akron Overhead Walkway	\$1,040,000	99%
	Thornton Street	\$428,000	90%
Joseph B. Fay	<i>Abandoned RR bridge</i>	<i>\$272,201</i>	<i>100%</i>
	Benford, Shoofly, & Pinkerton Tunnels	\$19,992,419	40%
	Blue Lick Truss	\$680,895	2%
	W&LE RR Bridge	\$643,980	29%
	Main Street	\$797,325	13%
	NS Railroad Bridge	\$803,620	52%
Kokosing Construction	TR 391 & TR 150 Bridges	\$2,411,911	44%
	ABC Bridge/Hike & Bike Trail	\$922,713	0%
	Knapp & Rock Spring Rd Bridges	\$4,850,628	8%
Lane Construction	Smithfield Street	\$358,271	65%
LRL Construction	Brook Tunnel	\$6,132,209	86%
	Carothers & Graham Tunnels	\$12,971,887	29%
	Sand Patch & Falls Cut Tunnels	\$5,014,000	0%
Mascaro Construction	J&L Tunnel	\$9,542,739	26%
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	16%
	<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	Switching the detour and opening TR 391 this week. Demo plan for TR150 has been approved, and will start in July. Project completion date is expected to be September 2012.
River Corners Road and Pawnee Road	Pawnee	OH	Final plans have been sent to the City of Pawnee. Contractor is excavating to begin forming the rear abutment. Project completion date is expected to be February 2013.
Mud Lake Road	Westfield	OH	The existing bridge has been removed and sent to the Moonhill Trail as part of the Rails to Trails program. Project completion date is expected to be December 2012.

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Site	City/Town	State	Status
Thornton Street	Akron	OH	Project is mostly complete. Undercutting has finished, with punchlist and seeding items to remain. Final Construction Inspection has not been scheduled.
University of Akron Overhead Walkway	Akron	OH	Project is mostly complete. Undercutting has finished, with punchlist and seeding items to remain. Final Construction Inspection has not been scheduled.
New Interlocking	Kent	OH	Construction complete. Some materials used in the construction were not Buy America compliant. FHWA is preparing a Position Paper declaring these items non-participating; therefore not reimbursable by Federal funds. This paper must be approved by FHWA HQ staff.
W&LE Railway Bridge Project	Kent	OH	Project is ahead of schedule and should be ready to be put Track 1 back in service next week. Final Construction Inspection has not been scheduled.
Main Street	Kent	OH	Should be ready to be put Track 1 back in service next week. Final Construction Inspection has not been scheduled.
Crain Avenue	Kent	OH	The new Crain Avenue Bridge is complete, but the old bridge won't be removed until 2012. Once the bridge is removed, the existing bridge will be removed. Obstruction is expected to be cleared in July. (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	Should be ready to be put Track 1 back in service next week. Track 1 panels are in place, but still need the final surfacing. Final Construction Inspection has not been scheduled.
Knapp Road and Rock Springs Road	Ravenna & Newton Falls	OH	Final Construction Plans are complete, and embankment work for Rock Springs Road is underway.
Ravenna Interlocking	Ravenna	OH	Construction complete. Some materials used in the construction were not Buy America compliant. FHWA is preparing a Position Paper declaring these items non-participating; therefore not reimbursable by Federal funds. This paper must be approved by FHWA HQ staff.
5th Street Bridge	Niles	OH	Project has been completed.
Pittsburgh & Ohio Central Railroad	McKees Rocks	PA	Contractor is planning to complete drainage work in July. The undercutter is expected by Late-July 2012.
Smithfield Street	Pittsburgh	PA	The cutovers for Tracks 1 and 2 are scheduled for July. This must be completed before the run around track can be removed.
J&L Tunnel	Pittsburgh	PA	PLY 1.96 has been removed. Asbestos abatement at PLY 2.37 is continuing. Tunnel roof excavation is complete in Parts 1 and 2. Sawcutting and removal of roof slabs in Part 2 will begin in July. Project completion date is expected by late December 2012.
Benford Tunnel/Shoofly Tunnel/Pinkerton Tunnel (Package 1B)	Confluence	PA	Shoofly Tunnel has been removed with only grading work remaining. After overburden pressure was removed from Pinkerton Tunnel, portions of the brick liner have fallen inside the Tunnel. Emergency repairs were completed, and blasting work on top of the Tunnel has resumed. Pinkerton Tunnel will continue to be closely monitored, and it is anticipated that the runaround track will be open soon. Emergency repairs at Pinkerton required work to be delayed on the Brook Tunnel and Tunnel Package III projects. This delay will be monitored closely.

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Site	City/Town	State	Status
Brook Tunnel	Confluence	PA	No work has progressed at Brook while the emergency repairs have been underway at Pinkerton. Project completion date is expected to be August 2012.
Church Street	Garrett	PA	Contractor is excavating to begin installing the pier footing. Project completion is expected by November 2012.
Blue Lick Truss	Sand Patch	PA	Contractor is completing preparatory work, and the bridge will be jacked/lifted in approximately 3-4 weeks. Project completion is expected by the end of July 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	The wetlands permit has been issued, and ROW has been acquired. The contract award is pending the bid analysis.
Carothers, Stuart, Randolph, Graham Tunnels (Package III)	Paw Paw, Magnolia, Hansrote	WV	<p>All 4 tunnels are under construction. These 4 tunnels must be complete by September 2012 in order to maintain the overall Corridor schedule.</p> <p>No work has progressed at Carothers or Graham while the emergency repairs have been underway at Pinkerton. Graham Tunnel is expecting approximately a one month delay due to the Pinkerton repairs.</p> <p>Randolph is nearly cleared, with only drainage items remaining. 635' of notching has been completed in Stuart, 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.
- ✓ Fifteen 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.
 - 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.
- ✓ Final Design Plan approvals have been issued for all of the 43 clearance projects.

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

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continues to be good cooperation between all parties involved. 22 projects are currently under construction, with 15 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. 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. 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.efl.fhwa.dot.gov/projects/gateway-clearance.aspx
www.nationalgateway.org

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Pictures for the Quarter



Open Cut Excavation Operations at the Pinkerton Tunnel (PA)



University of Akron Overhead Walkway (OH)
after removal of platform and lowering of tracks