

Crescent Corridor

FHWA Quarterly Status Report 31Mar12

Project Description: The initial projects in the Crescent Corridor Intermodal Freight Program include the construction of intermodal facilities in the Birmingham, AL and Memphis, TN regions. The Memphis Facility will be capable of handling 200,000 container lifts, and the general components of the facility include: three pad tracks, four support tracks, 1,000 paved trailer parking spaces, a double lead track connecting MRIMF to the Railway's main line, a loop track, ancillary modular buildings, an automated gate system (AGS), and TDOT's installation of a grade separation overpass for State Route 57. The Birmingham Facility will be capable of handling 100,000 annual container lifts and the general components of the facility include: two pad tracks, three support tracks, a locomotive storage track; 932 paved trailer parking spaces; lead tracks; a passing track; ancillary modular buildings; an automated gate system (AGS), and a 3,400 foot access road.

Background: Norfolk Southern has initiated the Crescent Corridor Intermodal Freight Program of projects to develop a fast and efficient rail intermodal route from the Gulf Coast to the Northeast. When fully developed, this program of projects will provide new and improved domestic rail intermodal service between the Northeast and Southeast. Rail route enhancements and intermodal terminal development are required to provide the service necessary to create these public benefits. As part of the American Recovery and Reinvestment Act (ARRA), the USDOT launched the TIGER discretionary grant program on June 17, 2009 and on February 17, 2010; Norfolk Southern's Crescent Corridor Program was awarded a TIGER grant in the amount of \$105 million, split evenly towards the construction of two regional intermodal facilities in Memphis, Tennessee and Birmingham, Alabama.

Critical Issues:

- **Site Grading/Utilities at the Birmingham Intermodal Facility** – The grading work at the site had been delayed due to problematic weather. Norfolk Southern (NS) through its prime contractor accelerated the work and reached 95% completion as of December 31, slightly ahead of schedule. As of March 31, 2012, the mass grading work has been completed, with only fine grading work to remain. Grading of the McAdory School Berm is nearly complete. This grading work will be temporarily stopped for a week in April to allow for a school testing period to be conducted without disruption from the construction work near the school. *This issue is now closed.*
- **Construction of the new waterline owned by the City of Rossville (TN)** – The land developer is going to be constructing a pump station and new waterline in order to provide water service from the City of Rossville to the Memphis Intermodal Facility. The land developer expects the waterline installation to the site to take approximately one to two months to complete. This work has not started; however, Norfolk Southern is constructing the portion of the waterline on the intermodal facility property so the developer can have something to tie into once they begin their construction.
- **TDOT Route 57 Bridge Project** - The TDOT Project to construct the TN Route 57 Bridge over the Norfolk Southern RR tracks is behind schedule. It does not appear that the overpass will be complete in time for the opening of the new Memphis Intermodal Facility. This will result in an at-grade crossing being in place for approximately 8 months. EFLHD will work with the TN Division Office, TDOT, and Norfolk Southern to see what can be done to expedite the Route 57 Project and address any safety concerns with maintaining an at-grade railroad crossing in this location.

Design and Construction Status:

- **Birmingham Regional Intermodal Facility (BRIMF)** - The following activities have taken place at the BRIMF this quarter:
 - Ongoing construction phasing establishment and maintenance of sediment and erosion control devices.
 - Clearing and Grubbing is complete.
 - The rail running track is complete and in operation.
 - The rail storage track grading is 100% complete.

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- Construction and topographic surveying of site for staking of construction work and continuing measurement of quantities of work completed.
 - Placement of running/siding track subballast is complete.
 - Siding track construction is complete.
 - Excavation for the stormwater retention ponds, requiring drilling and blasting for rock removal.
 - Construction of storm sewer pipe and box culvert runs are 97% complete.
 - Culvert D is complete.
 - All four viaduct abutments are in and five of the pier foundations are in. Scheduled for completion mid spring.
 - The sanitary sewer is complete and accepted by the County.
 - The power line relocation is complete.
 - The school berm grading is nearly complete; work will be temporarily stopped because of the school's request related to student testing during April.
 - Grading and drainage work for the admin building site is complete, with wall construction underway.
 - EFLHD conducted a project site visit on January 31, 2012.
- Memphis Regional Intermodal Facility (MRIMF) - The following activities have taken place at the MRIMF this quarter:
- Nearly 5 million cubic yards of excavation has been moved by the land developer with ongoing grading of the rail Loop Track and Access Road including visual berm and SW berm; finish grading of the admin building pad, and fine grading of the main facility body
 - Clearing and grubbing has been completed.
 - Ongoing establishment and maintenance of phased sediment and erosion control devices, and detention basin maintenance and erosion repairs.
 - Installation of storm drains is 98% complete.
 - Installation of site underdrains is 80% complete.
 - Installation of culvert pipes is 80% complete.
 - Installation of sanitary sewer is 100% complete.
 - Sub-ballast for the running track/storage track is 55% complete; and 5% complete for pad tracks #2 and #4.
 - Rail has been set for Lead Line 2 from the Main Line to Pad Track 2, and for Lead Line 1 from station 1+61 to the Running Track station 120+00. Rail has been set along Pad Track 4 from station 0+00 to station 15+00, and set along the Storage Tracks 2,3,4 and 5 from station 0+00 to station 34+00, 26+00, 27+00, and 29+00, respectively.
 - Installation for rail switches #14, #17, and #18 Pad Track2/Storage Track 2 is ongoing.
 - The "Y" Track Bridge is complete; the Loop Track Bridge piles are completed for the north abutment, and sheet pile installation on the south abutment has begun.
 - Concrete for Flume #1 and #2 is complete.
 - For the electrical system 100% of the light power poles, and 35% of the underground conduit has been installed.

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- For the compressed air line system, 60% of the air lines under Storage Tracks 2 through 5 (and future tracks) are installed.
- The Gabion Wall is 100% complete.
- Grading and drainage work for the admin building site is complete, with wall construction underway.
- EFLHD conducted a project site visit on February 17, 2012.
- TDOT had awarded the construction of the Route 57 overpass bridge. The large culvert extension is underway and must be constructed in order to construct a temporary detour around the work site.

Budget and Schedule Status: The below tables reflect all current cost, budget, and schedule information, as agreed to in the Crescent Corridor TIGER Grant Agreements (29Dec10) and Initial Financial Plans for the Memphis and Birmingham Regional Intermodal Facilities.

Table 1 – Total Costs:

Type of Funding	Budgeted Amount	Expended this Period	Expended to Date	Remaining Amount	Percent Complete
TIGER Grant-AL	\$52,500,000.00	\$7,717,779.94	\$9,694,063.82	\$42,805,936.18	18.5%
TIGER Grant-TN	\$52,500,000.00	\$5,227,277.25	\$7,713,366.60	\$44,786,633.40	14.7%
TDOT-SR 57	\$4,800,000.00	\$273,042.14	\$362,658.64	\$4,437,341.36	7.6%
TDOT-CMAQ	\$9,400,000.00	\$152,821.75	\$152,821.75	\$9,247,178.25	1.6%
ALDOT Industrial Road & Bridge Program*	\$4,000,000.00	\$0.00	\$0.00	\$4,000,000.00	0.0%
ALDOT-STP	\$7,397,250.00	\$24,203.25	\$24,203.25	\$7,373,046.75	0.3%
Norfolk Southern	\$96,300,000.00	\$2,828,097.00	\$70,560,338.00	\$25,739,662.00	73.3%
TOTAL	\$222,897,250.00	\$16,223,221.33	\$88,507,452.06	\$134,389,797.94	39.7%

*Norfolk Southern has chosen to cover all costs associated with the Entrance Road at the BRIMF; therefore the \$4M in ALDOT Industrial Road and Bridge Program funds will no longer be required.

Table 2 – Contract & Payment Status:

Vendor	Description	NS Contract Value	EFLHD Invoiced to Date	Actual Percent Work Complete
E.S. Wagner	Construction of the Birmingham Facility	\$39,833,287.04	\$11,352,814.13	29%
Phillips and Jordan	Construction of the Memphis Facility	\$48,299,051.30	\$7,223,562.29	15%
Dunn Building Co., LLC	Building Construction – Birmingham	\$1,182,214.00	\$24,203.25	2%
Smith-Doyle Contractors, Inc.	Building Construction - Memphis	\$1,138,341.00	\$152,821.75	13%
	TOTAL	\$90,452,893.34	\$18,753,401.42	

Work Completed (major milestones and recently completed items):

- ✓ The Finding of No Significant Impact (FONSI) for the Memphis Intermodal Facility Project was signed by FRA and EFLHD on 21Dec10.
- ✓ The Finding of No Significant Impact (FONSI) for the Birmingham Intermodal Facility Project was signed by FRA and EFLHD on 28Dec10.
- ✓ The TIGER Grant Agreements were executed between Tennessee, Alabama, and EFLHD on 29Dec10.
- ✓ The Memorandums of Agreement were executed between the States of Tennessee, Alabama, EFLHD, and Norfolk Southern on 30Dec10.
- ✓ The Final Design Plan Approval for the Birmingham Intermodal Facility Project was issued by EFLHD on 4Mar11.
- ✓ The Final Design Plan Approval for the Memphis Intermodal Facility Project was issued by EFLHD on 11Mar11.
- ✓ The Initial Financial Plans for each Intermodal Facility Project were signed on 12Apr11.
- ✓ The construction contract for the Birmingham Intermodal Facility was awarded on 5May11.
- ✓ The construction contract for the Memphis Intermodal Facility was awarded on 28May11.
- ✓ Construction activities for the Birmingham Intermodal Facility began on 7Jun11.
- ✓ Construction activities for the Memphis Intermodal Facility began on 23Jun11.
- ✓ Norfolk Southern awarded the building contract at the Birmingham Intermodal Facility on 8Aug11.
- ✓ Norfolk Southern awarded the building contract at the Memphis Intermodal Facility on 23Aug11.
- ✓ TDOT awarded the Route 57 Bridge Project on 04Oct11.

Conclusion: The intermodal projects continue to make good progress, with the grading work nearly complete at each location. Track work at each site has made a great deal of progress as well. Monthly Coordination Meetings are held for the Crescent Corridor and EFLHD conducts regular construction site visits for the two projects. Both of the intermodal facilities are scheduled for completion in October 2012.

Contacts:

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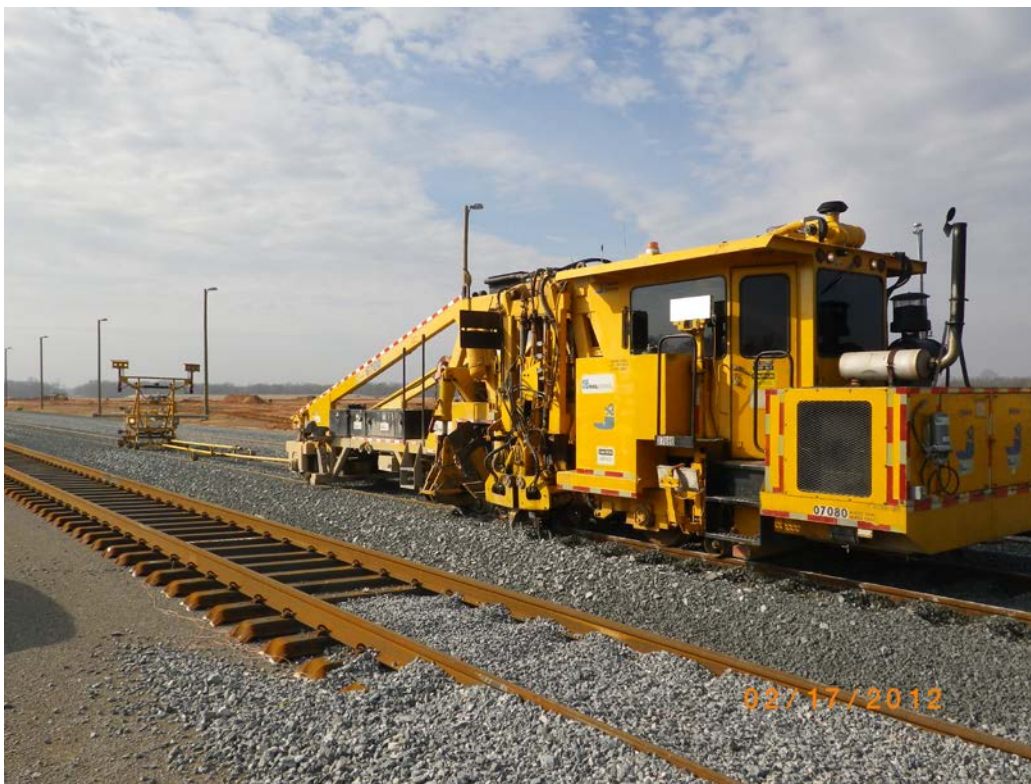
Project Web Sites: www.epl.fhwa.dot.gov/projects/crescent-corridor.aspx
www.thefutureneedsus.com

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Pictures for the Quarter



Construction of Viaduct Footings
Birmingham Intermodal Facility



Surfacing of the main tracks
Memphis Intermodal Facility