Broadway Extension Wall Replacement

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highway, which is built upon the levee.

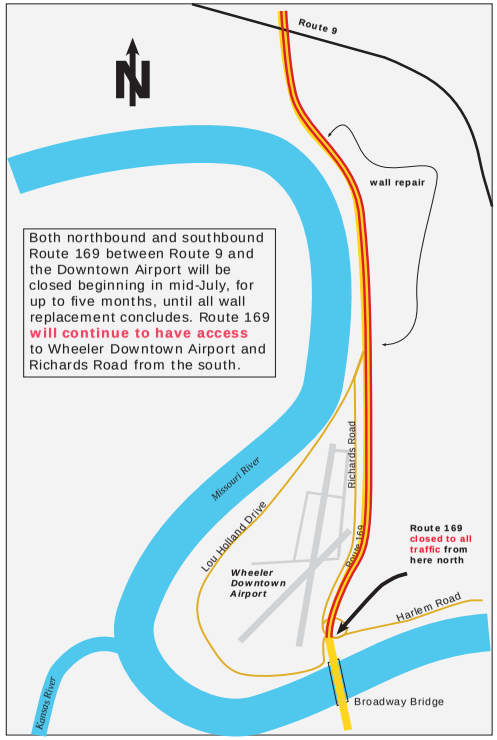
Nearly 60 years ago, northbound Route 169 along the east bank of the Missouri River was a city road to the Downtown Airport. However, a solid road built on a levee made of dirt and sand presented challenges. The loose material must be kept in place so that the pavement remains solid and doesn't break apart.

A Long-Term Solution

A "bin wall" 12 feet high in some places was built to keep the underlying base in place and support the road. The bin wall is made up of corrugated steel panels. MoDOT took over this road in 1994, and in the last decade, those steel panels have rusted out enough that replacement is now necessary.

MoDOT and HDR, its engineering consultant, considered several solutions. The Broadway Extension carries 35,000 vehicles per day between the Northland and Downtown Kansas City. Any long-term solution will require extensive construction. Since an active railroad yard is only a few feet away, there is no room off MoDOT's right of way to stage construction equipment. Highway closure is the only feasible method of making repairs, and the closure will be disruptive for months.

In late summer 2011, MoDOT tested a method to repair the 4,000+ feet of bin walls. Subsequent review by MoDOT and HDR engineers determined that building concrete walls would best correct the problems.



Still Have Questions?

For more information, call Area Engineer Shelie Daniel at 437-3628, or go to www.modot.org/kansascity.

Route 169/Broadway Extension Wall Replacement

Route 169/ Broadway Extension along the Missouri River between the Wheeler Downtown Airport and Route 9 will be closed this summer and fall for major reconstruction.

Corrugated metal bin walls that support the base beneath northbound lanes have deteriorated and must be replaced by concrete walls.

Contract Awarded

In early May, MoDOT awarded a $10,133,420 contract to Pyramid Construction Co. to replace deteriorated sections of the wall that support the northbound lanes; fix the bridge that supports the southbound lanes; repair guard rail and barrier; and replace drainage between the northbound and southbound lanes, which will resolve the highway's problems for the long term.

Highway closure will begin around July 14, following the Major League Baseball All-Star Game on July 10. The project is expected to take up to five months, which will require closure of southbound lanes and northbound lanes of Route 169. Motorists will continue to have access to Wheeler Downtown Airport from Downtown via the Broadway Bridge, and from Harlem Road to the east.

Why Close the Highway?

This stretch of Route 169 is different than most highways. It lies only a few hundred feet from one of the great rivers of North America. A levee keeps the river from flooding the nearby lowlands, including the Wheeler Downtown Airport, the railroad yards to the east, and the

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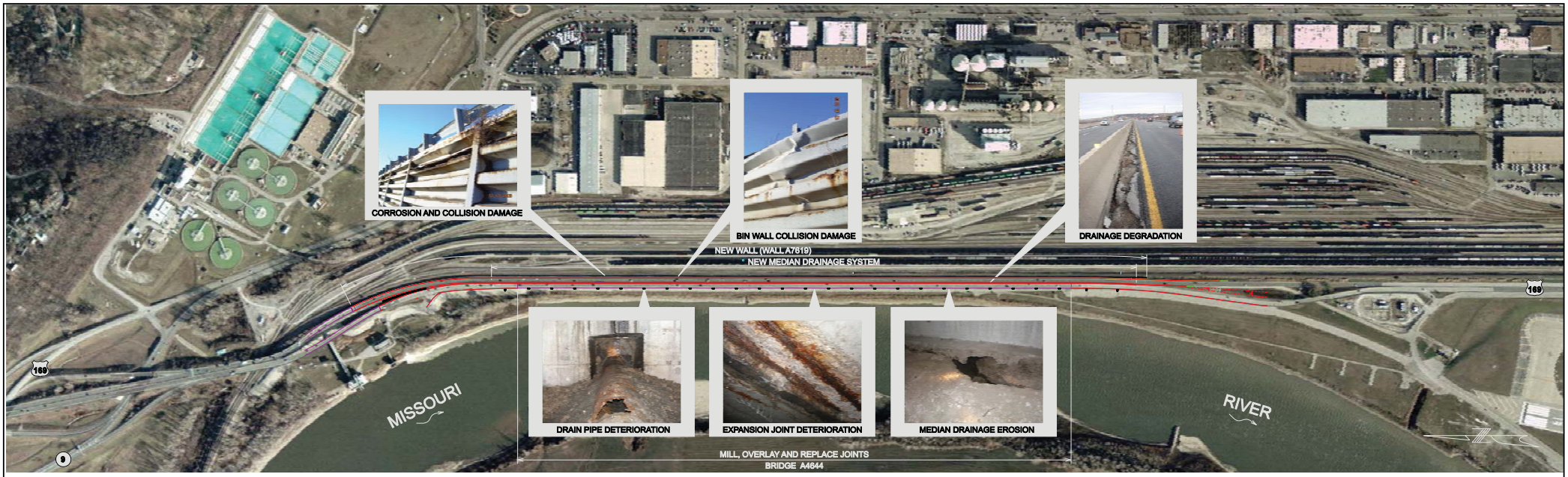
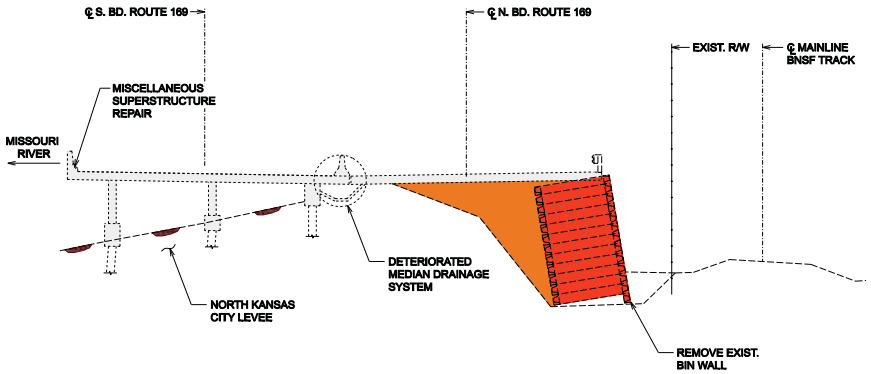
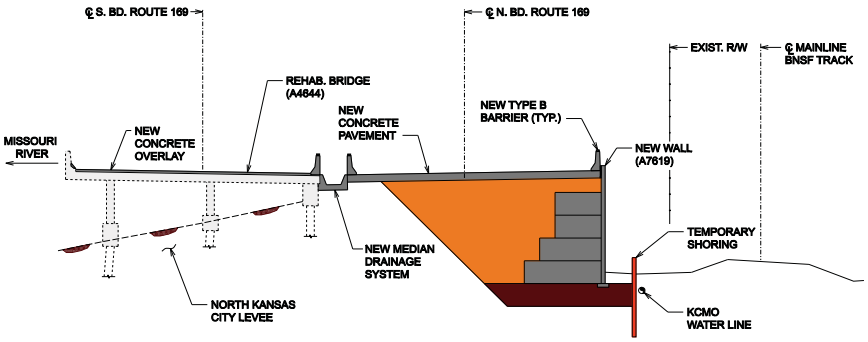




EXISTING TYPICAL SECTION



TYPICAL SECTION - NEW WALL