

# Memorandum

## City of Lawrence

### Public Works

TO: David P. Cronin, P.E., City Engineer  
FROM: Zachary D. Baker, P.E., Project Engineer  
DATE: August 25, 2015  
RE: City Manager Report 2015 Summer Construction Projects Status

#### **PW1316 Bob Billings Parkway & George Williams Way Geometric and Traffic Signal Improvements**



Eastbound Bob Billings Parkway @ George Williams Way.

This project included the installation of a traffic signal and the addition of dedicated left turn lanes at the intersection for eastbound and westbound Bob Billings Parkway. Bob Billings was also widened to the west to tie-into the KDOT interchange project and includes a center turn lane to promote safer turning movements for the existing Legend Trail Drive in addition to any future access points. The roadway was milled and overlaid and provided with new pavement markings. Construction began May 25, 2015 and project was completed August 17, 2015.

**PW1345 Bob Billings Parkway, Foxfire to Wakarusa**



Eastbound Bob Billings Parkway west of Wakarusa Street intersection.

This project included widening of Bob Billings Parkway to allow for construction of a dedicated left turn lane on Bob Billings into Corpus Christi Church. The area between this project and the PW1316 project at George Williams Way was also milled and overlaid and had new pavement markings installed to include a center left turn lane on Bob Billings. Bike lanes and new sidewalk was also constructed on both sides of the roadway. Construction Began May 25, 2015 and the project was completed August 27, 2015.

**PW1437 Bob Billings Parkway Turn Lane Improvements at Corpus Christi Church**



Eastbound Bob Billings Parkway @ Corpus Christi Church Driveway & Goldleaf Place.

This project included the full reconstruction of Bob Billings Parkway between Foxfire Drive and Wakarusa Drive with full depth pavement repair and underdrains installed. The median was removed through most of the corridor to allow for left turn lanes to be striped. New sidewalk and ramps were constructed on both the north and south sides of the roadway as well as some curb and driveway gutter improvements in areas that were needed. Also, fiber conduit for the city was installed on the south side of the roadway for future use. Construction Began May 18, 2015 and the project was completed August 17, 2015.

## 2015 KLINK Project (Iowa Street)



Southbound view of Iowa Street south of Irving Hill Bridge.

The 2015 KLINK project included the mill and overlay of pavement on Iowa Street between 23rd Street and the Irving Hill Road bridge and Harvard Road to south of 6th Street. New pavement markings on the roadway and video detection camera systems were installed on traffic signals at the 19th & Iowa, Harvard & Iowa, and 9th & Iowa intersections. This project began June 22, 2015 and was completed August 7, 2015.



## 2015 Overlay, Patch, and Microsurfacing Program



Construction crews in the middle of microsurfacing process.

The project began in early May and was completed on August 17, 2015. The patching and microsurfacing portion of the project included a number of City residential and collector streets generally bordered by W 6<sup>th</sup> St. to KU and Iowa St to Illinois St. The arterial N. Iowa St. from Peterson Dr. to Lakeview Rd. was also included for microsurfacing. Streets included for patching and microsurfacing were determined to be in a generally good condition. These streets were included with the microsurfacing planned process as a preventative maintenance work activity to preserve the streets while also addressing some structural deficiencies to prolong pavement life cycle and effectively sustain the infrastructure assets. Streets deteriorated beyond the recommended condition for microsurfacing and included with this project had milling and overlay work performed, such as W 11<sup>th</sup> St from Connecticut St to Delaware St and N Iowa St from Princeton Blvd to Peterson Rd. Additional bicycle pavement markings (sharrows and bike lanes) have been included on several streets within the project work areas as coordinated by the Public Works Department based on recommendations from Bicycle Advisory Committee.

## Louisiana Street Improvements



Northbound Louisiana Street in front of Broken Arrow Elementary School.

Louisiana Street was milled and overlaid along with curb and gutter replacement from W. 27th Street to Broken Arrow Park. The project was completed and opened to traffic on August 18th. Other enhancements include a new pavement marking layout to improve turning movements and also added bicycle sharrows.

## 27th Street Raised Crosswalk and Connecting Sidewalk Improvements



Eastbound 27th Street.



Westbound 27th Street at Naismith Valley Trail Crossing.

A sidewalk was installed on the north side of 27th Street from Belle Haven Drive to Naismith Valley Park. A raised crosswalk was also installed at the Naismith Valley Trail crossing on 27th Street. Both of these projects were completed on time before the first day of school for the Lawrence School District. In addition to the raised crosswalk, a pedestrian hybrid beacon will also be installed at the trail crossing when the poles are delivered by the manufacturer this fall.



**27th Street and K-10 Intersection Improvements**



North leg of intersection at 27th Street & K-10.

**Venture Park Interceptor Trench**



Interceptor Trench Direct Connection at Venture Park.



**Rip Rap Installed on Kansas Levee**



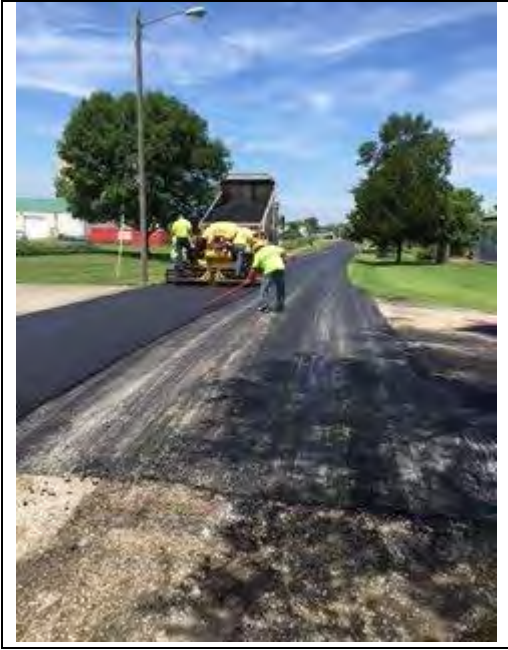
Kansas Levee near Bowersock Dam east of N. 2nd Street.

**Fambrough and Mississippi Storm Water Improvements (HERE Project)**

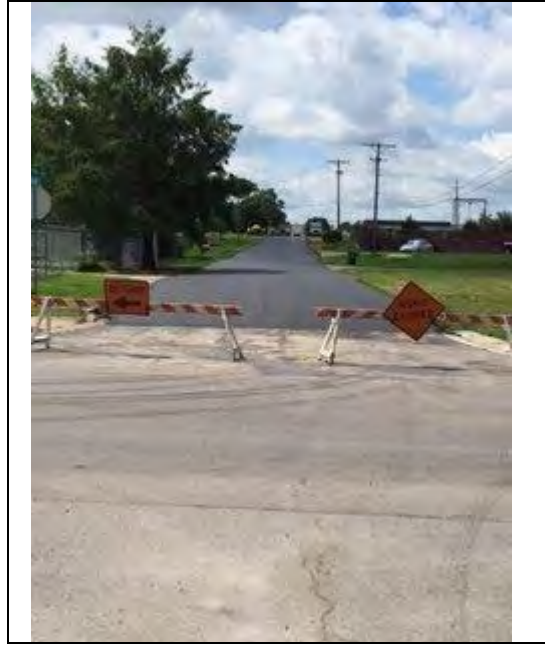


Southeast corner of Fambrough & Mississippi Streets facing westbound.

**Moodie Road Street Rehab**



Southbound Moodie Road south of 19th Street.



**21st Street & 21st Terrace Street Rehab**



Westbound 21st Street.



**10th Street Storm Water Replacement Between Tennessee and Ohio**



Westbound 10th Street west of Tennessee Street.

**Cedarwood Avenue**



Southbound Cedarwood Avenue south of 25th Street.



**Haskell Ramps for Hawk Beacon**



Haskell Avenue south of 20th Street. Installed Hawk Beacon and sidewalk ramps.

**Lot#3 Curb and sidewalk**



Lot#3 curb and sidewalk replacement behind The Buckle south of 8th & Massachusetts St.

**11th Street Curb and Sidewalk**



Northeast corner of 11th & Connecticut Street.

**17th Street Curb and Sidewalk**



Curb and Sidewalk on 17th Street east of Kentucky street.



**Curb Repair N. Iowa**



Southbound N. Iowa Street north of W. 2nd Street.

**Louisiana Street Curb, Sidewalk, & Valley Gutter Repair**



Louisiana Street & Dakota Street facing east.



### **Indiana Street Steps**



Replaced Stairway at corner of 10th & Indiana Streets.

### **Peterson Road Rec Path Repair**



Replaced damaged panels of Peterson Road Recreation Path just west of N. Crestline Drive.