

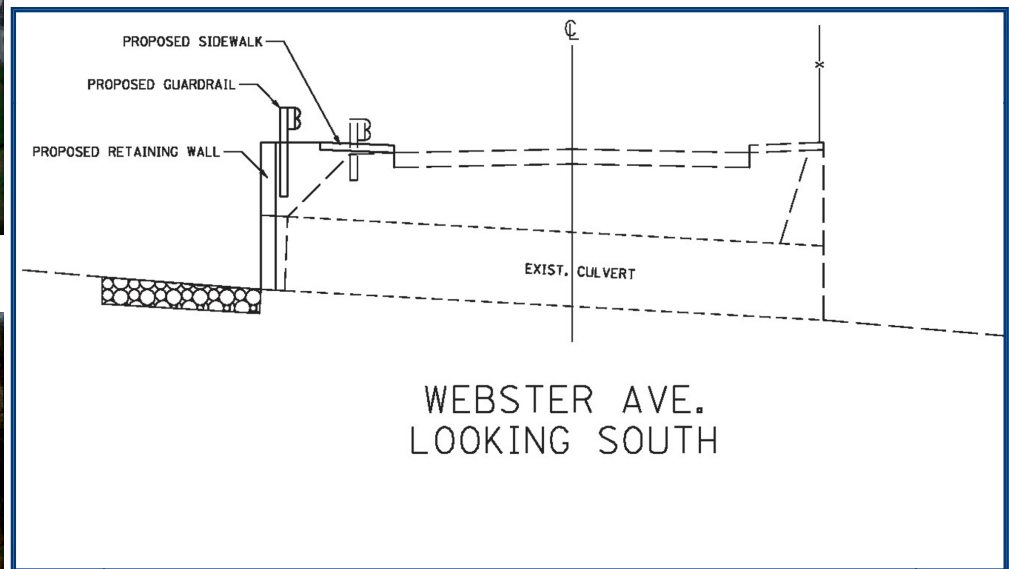
5.2 KYTC LONG-TERM PROJECTS



Webster Avenue west-side retaining wall, looking south



Webster Avenue east-side culvert and guard rail looking north



WEBSTER AVENUE RECONSTRUCTION

Background: Webster Avenue between Bromley Lane (MP 0.337) and Old Lair Road (MP 0.430) has no shoulder and exhibits a steep drop-off on the east side, mitigated only with a guardrail. There is concern that the drop-off is degrading from the effects of erosion which could result in a collapse of the roadway above. There is local desire for new sidewalk construction along Webster Avenue since it is heavily utilized by school pedestrian traffic.

Project Type: Reconstruction

Existing Conditions and Issues:

- ▶ No sidewalks
- ▶ No shoulders
- ▶ Steep drop-off on the east side of Webster Avenue

Proposed Project: Reconstruct the roadway and eliminate steep drop off on Webster Avenue (KY 2357) between Bromley Lane (MP 0.337) and Old Lair Road (MP 0.430) to increase safety and enable installation of possible future sidewalks.

See schematic above.

Planning Cost Estimates:

TOTAL:	\$249,800
Design:	\$13,300
Right of Way:	\$9,750
Utilities:	\$93,750
Construction:	\$133,000

Notes:



Culpepper Drive at KY 32

KY 32 at Battle Grove Cemetery,
looking east

KY 32 TURNING LN. (CONFEDERATE DR. TO CULPEPPER DR.)

Background: KY 32 is narrow and has some sight distance issues due to vertical curves. Hazardous situations potentially exist when drivers attempt to make left turns accessing the driveways and intersections in this area.

Existing Conditions and Issues:

- Lane Width < 11'

Proposed Project: Construct a two-way left-turn lane on E. Pike Street (KY 32) from Confederate Drive (MP 10.075) to Culpepper Drive (MP 10.467). This would encompass PIF Project # D0032.3.00, which would improve safety on KY 32 at the entrance to Harrison Memorial Hospital.

Project Type: Reconstruction

Planning Cost Estimates:

TOTAL:	\$1,290,350
Design:	\$86,600
Right of Way:	\$71,350
Utilities:	\$266,400
Construction:	\$866,000

Notes:



Above and Below images:
5-legged US 27 intersection



KY 27 AND E. BRIDGE ST. INTERSECTION IMPROVEMENTS

Background: Over time, this intersection of US 27, E. Bridge Street, Poplar Street, and McIlvain Boulevard has developed difficult geometrics, poorly marked signage, a lack of striping, confusing curb cuts and signage and overall is very challenging to drivers. These problems are exacerbated by the fact that this is a major gateway to the downtown area and has significant truck traffic entering and exiting town.

Existing Conditions and Issues:

- ▶ Critical Rate Factor > 1
- ▶ Volume/Service Flow > 0.7
- ▶ LOS = E

Proposed Project: Improve the geometrics of the 5-legged intersection of US 27, E. Bridge Street, and Poplar Street to address safety, congestion, and confusion issues. Restripe and define at what point Waterworks Avenue (McIlvain Blvd.) becomes a one-way street as it approaches the intersection.

Project Type: Reconstruction

Planning Cost Estimates:

TOTAL: \$50K - \$1M

Notes:



KY 356 and KY 36 looking west



KY 356 and KY 36 looking east



KY 3016 & KY 356 INTERSECTION SIGNAL & SIGNAGE

Background: Driver confusion and crashes occur due to the confined movement space at the 5-legged intersection of KY 356, KY 3016, and KY 36.

Existing Conditions and Issues:

- ▶ Critical Rate Factor > 1
- ▶ Lane Width < 11'
- ▶ Adequacy Rating < 20th Percentile

Proposed Project: Reconstruct the 5-legged intersection of KY 3016 and KY 356 as well as modification to the bridge. Consider removing the sidewalks on the south side of the bridge to facilitate wider turning radii for truck traffic.

Project Type: Reconstruction

Planning Cost Estimates:

TOTAL:	\$751,000
Design:	\$41,000
Right of Way:	\$200,000
Utilities:	\$100,000
Construction:	\$410,000

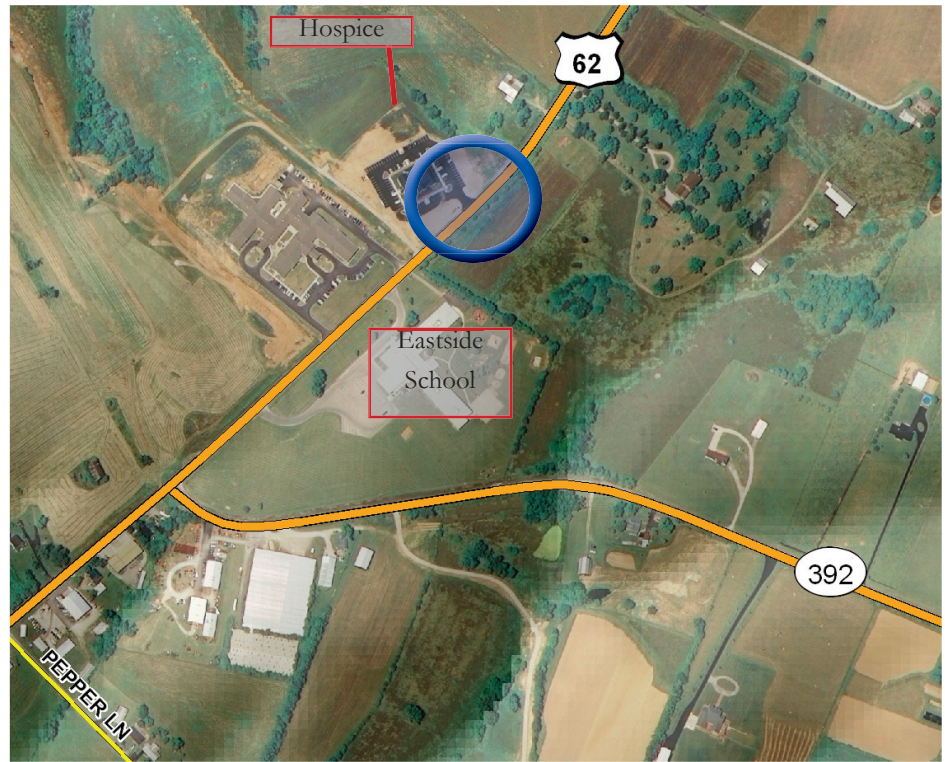
Notes:



Looking westbound on US 62 from the Hospice



US 62, looking eastbound at Eastside School



US 62 TURNING LANE FOR THE HOSPICE CENTER

Background: A slight vertical curve exists on US 62 at the access to the Hospice Center. This issue, compounded with congestion and narrow lane widths results in a safety issue for traffic accessing the Hospice Center.

Existing Conditions and Issues:

- ▶ Lane Width < 11'
- ▶ LOS = D

Proposed Project: Evaluate the potential need for a turn lane on US 62 to increase safety for traffic accessing the Hospice Center.

Project Type: Reconstruction

Planning Cost Estimates:

TOTAL:	\$691,000
Design:	\$40,000
Right of Way:	\$35,000
Utilities:	\$216,000
Construction:	\$400,000

Notes:



US 62 at Harrison County Health Department driveway



Miller Road at Oddville Avenue



US 62 IMPROVEMENTS FROM CHURCH ST. TO KY 392

Background: Oddville Avenue (US 62) is a narrow roadway with high crash areas and substandard drainage.

Existing Conditions and Issues:

- ▶ Critical Rate Factor > 1
- ▶ Lane Width < 11'

Proposed Project: Widen the shoulders of Oddville Avenue (US 62) and improve drainage from Vine Street (MP 9.8) to Republican Pike (KY 392) (MP 10.5). This is PIF Project # B006 10.00, which will address safety and level of service on this section of US 62. *This Project Identification Form can be found in Appendix E of this report.*

Project Type: Reconstruction

Planning Cost Estimates:

TOTAL:	\$10,015,000
Design:	\$865,000
Right of Way:	\$300,000
Utilities:	\$200,000
Construction:	\$8,650,000

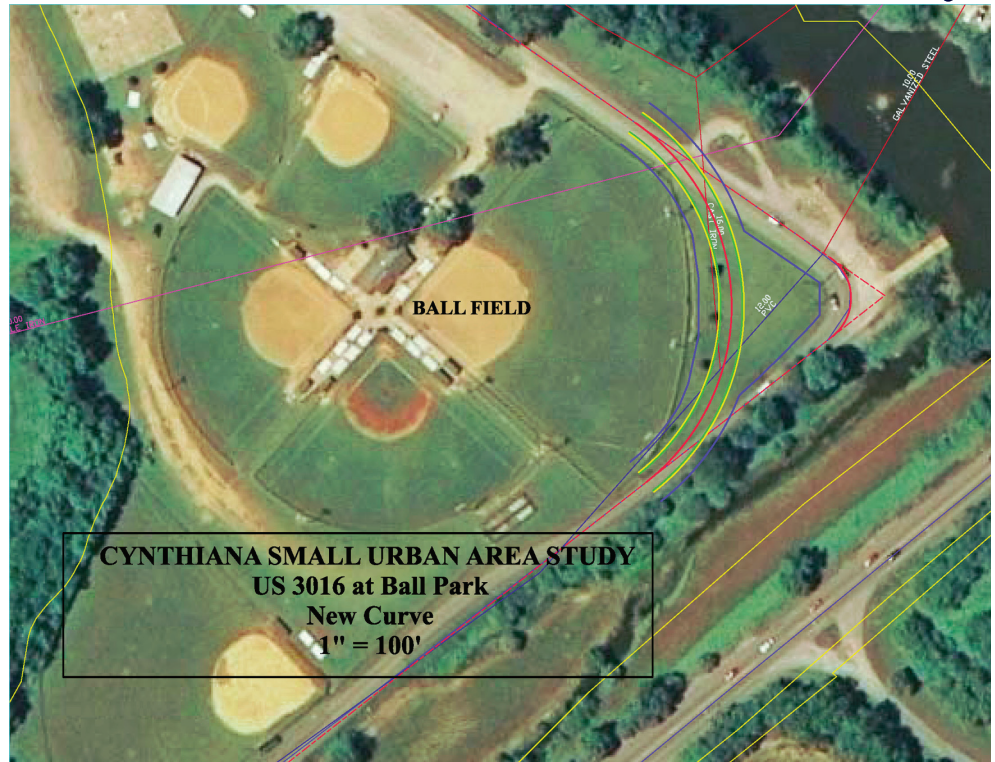
Notes:



Approaching the sharp curve on KY 3016 from the south



Looking south at the curve from KY 3016



KY 3016 BOAT RAMP CURVE IMPROVEMENTS

Background: A high crash rate exists on KY 3016, near the boat ramp, due to the acute horizontal curve.

Existing Conditions and Issues:

- Critical Rate Factor > 1

Proposed Project: Reconstruct the sharp curve and improve drainage on KY 3016 at the boat ramp. Reconstruction would not involve acquisition of the baseball fields. *A conceptual engineering schematic is above.*

Project Type: Reconstruction

Planning Cost Estimates:

TOTAL:	\$201,050
Design:	\$14,000
Right of Way:	\$11,050
Utilities:	\$36,000
Construction:	\$140,000

Notes:



Above and Below Images: Crown on Pike Street



E. PIKE STREET DRAINAGE

Background: Drainage issues are experienced on the steep crown section (of E. Pike Street (KY 32) between N. Elmarsh Street (MP 9.681) and Grandview Drive (MP 9.835)).

Existing Conditions and Issues:

► N/A

Proposed Project: Address the drainage issues by reducing the steep crown on Pike Street and keeping gutters cleared

Project Type: Maintenance

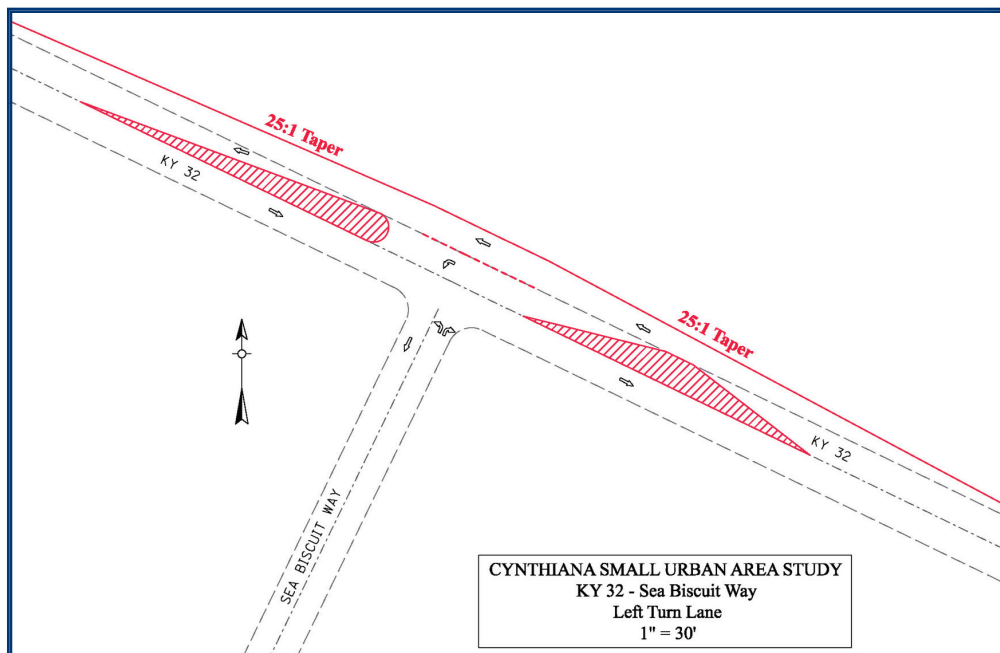
Planning Cost Estimates:

TOTAL: N/A

Notes:



Above and Below Images:
Sea Biscuit Road at KY 32



KY 32 AND SEA BISCUIT RD. (INDUSTRY PARK RD.)

Background: The area surrounding Sea Biscuit Road (Industry Park Road) has been zoned to be an industrial center, although currently is relatively undeveloped. This spot is included in PIF project # D0032.2.00; which calls for widening the existing KY 32 (from mile point 7.185 to mile point 9.085) with turn lanes incorporated as needed.

Project Type: Reconstruction

Existing Conditions and Issues on KY 70:

- ▶ Critical Rate Factor > 1
- ▶ Lane width < 11'
- ▶ Adequacy Rating < 20th Percentile

Proposed Project: In anticipation of increased traffic volumes as industry locates to this area, and in response to a current high crash rate and other substandard conditions, a potential future need is recognized for a turning lane on KY 32 at Sea Biscuit Road (Industry Park Road). *A conceptual schematic is above.*

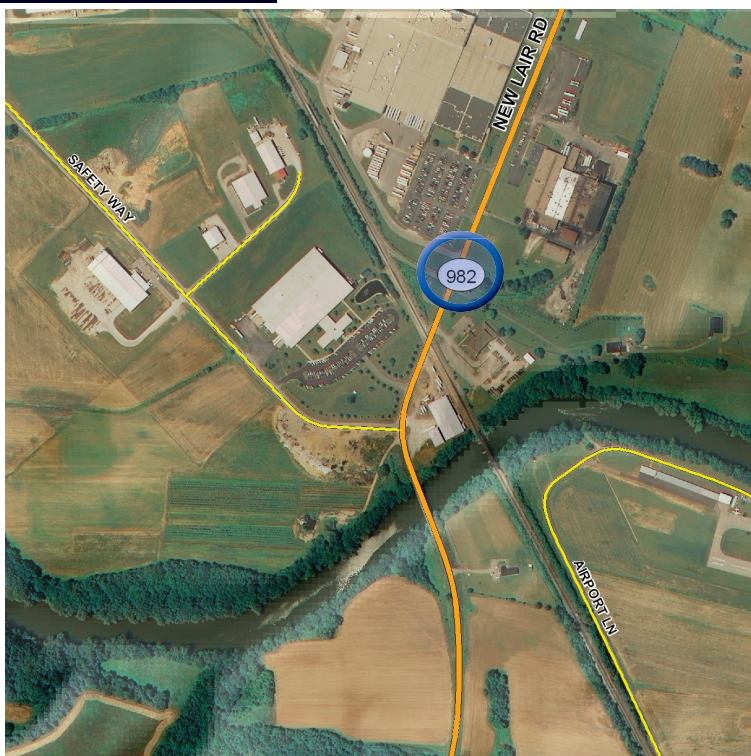
Planning Cost Estimates:

TOTAL:	\$249,040
Design:	\$9,750
Right of Way:	\$5,500
Utilities:	\$136,290
Construction:	\$97,500

Notes:



Above and Below Images: Railroad spur crossing New Lair Road



RAILROAD SPUR CROSSING REMOVAL AT NEW LAIR RD.

Background: A CSX railroad spur (CSX #353427C) crosses New Lair Road (KY 982) at mile point 4.630, at which point it is unused by rail traffic. When crossing this spur, school busses are required by law to stop, despite the fact that the rails are unused at the crossing location. The need to maintain the railroad crossing has been brought into question.

Existing Conditions and Issues:

- Lane Width < 11'

Proposed Project: Consult with CSX to remove the crossing at the abandoned railroad spur (CSX # 353427C) at New Lair Road (KY 982) (MP 4.630) to prevent school buses from being forced to stop at this non operational crossing.

Project Type: Reconstruction

Planning Cost Estimates:

TOTAL:	\$250,050
Design:	\$4,550
Right of Way:	\$200,000
Utilities:	\$0
Construction:	\$45,500

Notes:
