



# ACTIVE CAPITAL IMPROVEMENT PROJECTS

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## 1) Beaver Creek Signals Interconnect Project (Phase 2); PID# 86976

*Project Description:* This project will expand the closed-loop fiber optic signal system. Work includes installation of fiber optic cable along various routes in the City of Beaver Creek. The project also generally includes the following:

- Connection of 30 intersections to the closed loop system.
- Installation of cameras for vehicle detection.
- Signal head and pedestrian head upgrades to LED.
- Curb ramp upgrades.
- Installation of batter backup systems at selected intersections.
- A new signal at the Dayton-Xenia Road and Stedman Lane intersection.

*Funding:*

	<u>FEDERAL</u>	<u>STATE (OPWC)</u>	<u>LOCAL</u>	<u>TOTAL</u>
Engineering	\$0	\$0	\$238,000 (100%)	\$238,000
Construction	\$1,726,000 (77%)	\$515,558 (23%)	\$0	\$2,241,558

*Status:* The project engineering is ongoing with a current completion in Summer 2012. Construction is currently scheduled to begin in Fall 2012.

## 2) Col. Glenn Highway @ Grange Hall Road Widening Project; PID# 84434

*Project Description:* The project generally consists of the following components:

- Widening of Col. Glenn Highway for the construction of an eastbound right turn lane at Grange Hall Road.
- Reconstruction of the existing traffic signal at Col. Glenn Highway and Grange Hall Road, and the installation of overhead lane use signage.
- Restriping of the northbound approach to the intersection on Grange Hall Road.

*Funding:*

	<u>FEDERAL</u>	<u>LOCAL</u>	<u>TOTAL</u>
Engineering	\$67,000 (93%)	\$5,000 (7%)	\$72,000
Right-of-Way	\$99,000 (90%)	\$11,000 (10%)	\$110,000
Construction	\$407,940 (90%)	\$45,330 (10%)	\$453,270

*Status:* Construction is currently scheduled to begin in Spring 2012.

## 3) Zink Road Extension Project

*Project Description:* The project generally consists of the completion of the extension of Zink Road between Col. Glenn Highway and Germany Lane.

*Funding:* Construction = \$132,000 (Local/Total)

*Status:* The project is currently scheduled to be constructed in 2013.

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## 4) Grange Hall Road Streetscape Project; PID# 91175

*Project Description:* The project involves the enhancement of the intersection of Grange Hall Road and Pentagon Boulevard. The project generally consists of the following components:

- Landscaping (i.e., shade trees, evergreens, shrubs, perennial flowers) along the northeast and southeast corners of the intersection.
- Minor grading work.
- Installation of decorative retaining walls to provide suitable planting beds.

*Funding:*

	<u>FEDERAL</u>	<u>LOCAL</u>	<u>TOTAL</u>
Engineering	\$0	\$35,000 (100%)	\$35,000
Construction	\$272,000 (80%)	\$68,000 (20%)	\$340,000

*Status:* The project design and environmental analysis are currently scheduled to be completed by the end of 2013. Construction is currently scheduled to begin in Summer 2014.

## 5) Park Overlook Roundabout

*Project Description:* The project generally consists of the reconstruction of the intersection of Park Overlook Drive and Royal Gateway Drive by reconstructing the intersection with a roundabout.

*Funding:*

	<u>LOCAL/TOTAL</u>
Engineering	\$16,531
Construction	\$263,000

*Status:* The project is currently in the design phase. Design is currently scheduled to be completed in the Fall of 2012. The project is scheduled to be constructed in the Summer of 2014.

## 6) North Fairfield Road @ I-675 Widening Project; PID# 85167

*Project Description:* The project generally consists of the following components:

- Widening of North Fairfield Road to create a new northbound right turn lane at the northbound I-675 on-ramp.
- Reconstruction of the existing traffic signals at the northbound I-675 ramps and the southbound I-675 exit ramp.
- Installation of overhead lane use signs, adjustments to traffic signal timings, and the installation of new pavement markings.

*Funding:*

	<u>FEDERAL</u>	<u>LOCAL</u>	<u>TOTAL</u>
IMS/Environmental	\$91,800 (90%)	\$10,200 (10%)	\$102,000
Engineering	\$81,900 (90%)	\$9,100 (10%)	\$91,000
Construction	\$816,300 (90%)	\$90,700 (10%)	\$907,000

*Status:* The project design is complete. The project is currently scheduled to be constructed in 2012.

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## 7) I-675 Pedestrian Bridge Project; PID# 84238

*Project Description:* The project generally consists of the construction of a multi-purpose pedestrian/bicycle bridge across I-675 at a point west of NFR in Beavercreek to a point by Center Park Boulevard in Fairborn.

*Funding:*

	<u>FEDERAL</u>	<u>LOCAL</u>	<u>TOTAL</u>
Engineering	\$192,000 (80%)	\$48,200 (20%)	\$240,000
Right-of-Way	\$16,000 (80%)	\$4,000 (20%)	\$20,000
Construction	\$2,200,000 (80%)	\$550,000 (20%)	\$2,750,000

*Status:* The design of the project is currently scheduled to begin in the Summer of 2012 with Right-of-Way acquisition commencing in 2013. Construction is currently scheduled to begin in Spring 2014.

## 8) North Fairfield Road @ I-675 Bridge Widening; PID# 77920

*Project Description:* The project consists of minor pavement rehabilitation on I-675 between the Grange Hall Road interchange in Beavercreek and the SR 235 interchange in Fairborn. This project will also generally include the following work on the North Fairfield Road bridge over I-675:

- Safety upgrades,
- Deck replacement,
- Increasing vertical clearance under the bridge,
- Widening the bridge to accommodate an additional southbound through lane over the bridge.

*Funding:*

	<u>FEDERAL</u>	<u>STATE</u>	<u>LOCAL</u>	<u>TOTAL</u>
Environmental/Prelim. Engineering	\$457,912.80 (90%)	\$50,879.20 (10%)	\$0 (0%)	\$508,792
Engineering	\$363,444.30 (90%)	\$40,382.70 (10%)	\$0 (0%)	\$403,827
Construction	\$14,397,350 (89%)	\$1,194,150 (7%)	\$660,000 (4%)	\$16,251,500

*Status:* Environmental analysis for the project has been completed. The project is currently in the design phase with design currently scheduled to be completed in the Summer of 2013. Construction is currently scheduled to begin in the Fall of 2013.

## 9) New Germany-Trebein Road @ North Fairfield Road Safety Improvements; OPWC# CK150

*Project Description:* The project generally consists of the following components:

- Addition of northbound and southbound double left turn lanes to New Germany-Trebein Road/Pentagon Boulevard,
- The widening of New Germany-Trebein Road from Towne Drive to Lillian Lane for an additional eastbound through lane.

*Funding:*

	<u>STATE (OPWC)</u>	<u>LOCAL</u>	<u>TOTAL</u>
Engineering	\$25,900 (74%)	\$9,100 (26%)	\$35,000
Construction	\$284,900 (74%)	\$100,100 (26%)	\$385,000

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*Status:* The project is currently in the design phase of the project. The design is currently scheduled to be completed in the Summer of 2012. Construction is currently scheduled to begin in the early Fall of 2012.

## 10) New Germany-Trebein Road Widening Project; PID# 84222

*Project Description:* The project is a widening project that generally consists of the following components:

- The widening of new Germany-Trebein Road from approximately 700 feet east of Golf Course Boulevard to a point approximately 700 feet east of Wyndham Drive, including the construction of a landscaped boulevard.
- The correction of vertical sight distance problems at the intersection of Wyndham Drive.

*Funding:*

	<u>FEDERAL</u>	<u>LOCAL</u>	<u>TOTAL</u>
Engineering	\$0 (0%)	\$95,000 (100%)	\$95,000
Right-of-Way	\$0 (0%)	\$105,000 (100%)	\$105,000
Construction	\$1,100,000 (80%)	\$275,000 (20%)	\$1, 375,000

*Status:* The design of the project is currently ongoing and is currently scheduled to be completed in late 2012. Right-of-Way acquisition is currently scheduled to commence in 2012. Construction is currently scheduled to begin in Spring 2013.

## 11) Grange Hall Road Widening Project; PID# 88315

*Project Description:* The project involves the widening of Grange Hall Road from Kemp Road to Gardenview Drive/Lujon Drive. The project generally consists of the following components:

- Widening of Grange Hall Road to provide for a three (3) lane section (2 through lanes, 1 two-way left turn lane/left turn lane),
- Construction of one (1) bike lane along the east side of the roadway for northbound bicycle traffic along the entire length of the project,
- Construction of an 8 foot sidepath,
- Curb and gutter,
- Storm sewer.

*Funding:*

	<u>FEDERAL</u>	<u>LOCAL</u>	<u>TOTAL</u>
Engineering	\$0 (0%)	\$178,000 (100%)	\$178,000
Right-of-Way	\$150,000 (61%)	\$97,000 (39%)	\$247,000
Construction	\$1,402,500 (75%)	\$467,500 (25%)	\$1,870,000

*Status:* The project is currently in the design phase. Design is currently scheduled to be ongoing through the end of 2014. Right-of-way acquisition is currently scheduled to take place between Summer 2013 and the end of 2014. Construction is currently scheduled to begin in the Summer of 2015.

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## 12) Lillian Lane Extension Project

*Project Description:* The project generally consists of the extension of Lillian Lane south approximately 1000 feet from Westminster Drive to Lakeview Drive.

*Funding:*

	<u>LOCAL/TOTAL</u>
Engineering	\$24,650
Right-of-Way	\$100,000
Construction	\$400,000

*Status:* The project is currently under design with design currently scheduled to be completed in Spring 2012. Right-of-Way acquisition is currently scheduled to take place during 2012. The project is currently scheduled to begin construction in 2013.

## 13) Price Drainage Project (Kemp Road)

*Project Description:* The project generally consists of Phase I for additional storm sewer and drainage problem corrections for the surrounding neighborhood. This project is located along Kemp Road in the vicinity of Tulane Drive.

*Funding:* Construction = \$123,000 (Local/Total)

*Status:* The project is currently scheduled for construction in 2012.

## 14) Hanes Road @ Kemp Road Widening and Signalization Project; PID# 84228

*Project Description:* The project generally consists of the following components:

- The widening of Hanes Road from Kemp Road to approximately 1000 feet south of Kemp Road to create a northbound left turn lane,
- The installation of a new mast arm style traffic signal at the intersection,
- The installation of sidewalk along the east side of Hanes Road from Hedge gate Boulevard to Kemp Road.

*Funding:*

	<u>FEDERAL</u>	<u>LOCAL</u>	<u>TOTAL</u>
Engineering	\$0 (0%)	\$45,000 (100%)	\$45,000
Right-of-Way	\$0 (0%)	\$10,000 (100%)	\$10,000
Construction	\$386,100 (78%)	\$108,900 (22%)	\$495,000

*Status:* Design and right-of-way acquisition for the project are complete. Construction is currently scheduled to begin in Spring 2012.

## 15) Hanes Road Bridge Replacement Project; PID# 91688

*Project Description:* The project consists of replacement of the deficient bridge on Hanes Road located approximately 100 feet south of Kings Gate Boulevard. The project generally consists of the following components:

- Replacement of the existing structure with a new bridge (type still to be determined),
- The bridge will be wide enough to accommodate three (3) lanes of traffic.

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- Curb and gutter,
- Shoulders,
- A five (5) foot sidewalk along the east and west sides of the new structure.

*Funding:*

	<u>FEDERAL</u>	<u>LOCAL</u>	<u>TOTAL</u>
Engineering	\$0 (0%)	\$61,000 (100%)	\$61,000
Right-of-Way	\$0 (0%)	\$20,000 (100%)	\$20,000
Construction	\$315,840 (80%)	\$78,760 (20%)	\$394,600

*Status:* The project is currently in the environmental and design phase. Environmental analysis is currently scheduled to be completed in the Fall of 2012. Design and Right-of-Way acquisition are currently scheduled to be completed in the end of 2013. Construction is currently scheduled to begin in 2014.

## 16) Sunnyside Drive Drainage Improvement Project

*Project Description:* This project is a generally consists of drainage improvements along Sunnyside Drive to correct existing drainage problems.

*Funding:* Construction = \$30,000 (Local/Total)

*Status:* The project is currently scheduled to begin construction in 2012.

## 17) Dayton-Xenia Road @ Grange Hall Road Streetscape Project; PID# 88317

*Project Description:* The project is the enhancement of the Dayton-Xenia Road at Grange Hall Road intersection that generally consists of the following components:

- Installation of decorative lighting,
- Installation of brick pavers,
- Landscaping.

*Funding:*

	<u>FEDERAL</u>	<u>LOCAL</u>	<u>TOTAL</u>
Engineering	\$0 (0%)	\$46,000 (100%)	\$46,000
Right-of-Way	\$0 (0%)	\$20,000 (100%)	\$20,000
Construction	\$297,000 (75%)	\$99,000 (25%)	\$396,000

*Status:* Design is currently scheduled to commence between 2013 and 2014. Construction is currently scheduled to begin in Spring 2015.

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## 18) Lantz Road Extension Project

*Project Description:* The project generally consists of the extension of Lantz Road from North Fairfield Road west approximately 300 feet.

*Funding:*

	<u>LOCAL/TOTAL</u>
Engineering	\$50,000
Construction	\$100,000

*Status:* The project is currently in the design phase with design currently scheduled to be completed in the Summer of 2012. Construction is currently scheduled to begin in 2012.

## 19) Grange Hall Road Bridge Rehabilitation Project; PID# 91685

*Project Description:* The bridge rehabilitation project is for the bridge over Little Beaver Creek located just north of the Grange Hall Road and Patterson Road intersection. The project generally consists of the following components:

- Replacement of bridge box beams,
- Minor repairs to abutments and wingwalls,
- Installation of guardrail,
- New wearing surface for the bridge deck.

*Funding:*

	<u>FEDERAL</u>	<u>LOCAL</u>	<u>TOTAL</u>
Engineering	\$0 (0%)	\$76,900 (100%)	\$76,900
Construction	\$324,720 (78%)	\$91,180 (22%)	\$415,900

*Status:* The project is currently in the design phase. Design for the project is currently scheduled to be completed in 2012. Construction is currently scheduled to begin in 2014.

## 20) Patterson Road Storm Sewer Improvements

*Project Description:* The project generally consists of improvements to the existing culvert on Patterson Road just east of Grange Hall Road and drainage improvements along Richfield Center.

*Funding:* Construction = \$40,000 (Local/Total)

## 21) 2011 Bridge Sealing Project

*Project Description:* The project generally consists of the patching and sealing of the MSE walls and parapet walls with epoxy urethane sealer of the following bridges:

- State Route 835 and US Route 35,
- North Fairfield Road over US Route 35,
- North Fairfield Road over Little Beaver Creek.

*Funding:* Construction = \$200,000 (Local/Total)

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*Status:* The project was awarded in the Fall of 2011. Due to weather restrictions for the sealant, construction will begin in the Spring of 2012. Construction is currently scheduled to last until early Summer 2012.

## 22) Beaver Vu Drive Signal Project; PID# 86974

*Project Description:* The project generally consists of the following components:

- Installation of new mast arm type traffic signal at the intersection of Beaver Vu Drive and North Fairfield Road,
- The new traffic signal will be connected to the City's existing fiber optic signal system to ensure proper coordination with other traffic signals along this section of North Fairfield Road.

*Funding:*

	<u>FEDERAL</u>	<u>LOCAL</u>	<u>TOTAL</u>
Engineering	\$0 (0%)	\$15,000 (100%)	\$15,000
Construction	\$132,000 (80%)	\$33,000 (20%)	\$165,000

*Status:* The project is currently under construction. Construction is currently scheduled to be completed in 2012.

## 23) Factory Road @ Richmar Drive Widening Project; PID# 84232

*Project Description:* This widening project generally consists of the following components:

- Widening Factory Road from approximately 700 feet north and south of Richmar Drive to create a northbound left turn lane,
- Correction of vertical sight distance problems at the intersection.

*Funding:*

	<u>FEDERAL</u>	<u>LOCAL</u>	<u>TOTAL</u>
Engineering	\$0 (0%)	\$50,500 (100%)	\$50,500
Right-of-Way	\$0 (0%)	\$22,000 (100%)	\$22,000
Construction	\$450,450 (78%)	\$127,050 (22%)	\$577,500

*Status:* The design of this improvement has begun and is currently scheduled to be completed in late 2012. Right-of-Way acquisition is currently scheduled to take place between Summer 2012 through late 2013. Construction is currently scheduled to begin in late Spring 2013.

## 24) North Fairfield Road Widening Project; PID# 83316

*Project Description:* The project is a road widening project that generally consists of the following components:

- Widening of North Fairfield Road to provide for a three (3) lane roadway section (2 through lanes, 1 two-way left turn lane/left turn lane) from Shakertown Road to Jonathan Drive,
- Installation of curb and gutter throughout the project,
- Addition of an 8 foot sidepath along the east side of the roadway.

*Funding:*

	<u>FEDERAL</u>	<u>LOCAL</u>	<u>TOTAL</u>
Engineering	\$0 (0%)	\$240,000 (100%)	\$240,000
Right-of-Way	\$0 (0%)	\$180,000 (100%)	\$180,000
Construction	\$1,237,500 (75%)	\$412,500 (25%)	\$1,650,000

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*Status:* The project is currently in the environmental analysis and design phase of the project. Environmental analysis is currently scheduled to be completed in Summer 2013. Design is currently scheduled to be completed in the beginning of 2015. Right-of-Way acquisition is currently scheduled to take place between Summer 2013 and the end of 2014. Construction is currently scheduled to begin in 2015.

## 25) US 35 @ Factory Road Safety Improvement Project; PID# 91463

*Project Description:* The project consists of signal upgrades to the intersection that generally consists of the following components:

- Flashing beacons on the signal ahead warning signs on the US 35 eastbound approach to Factory Road
- Backplates on all approaches of the US35/Factory Road intersection
- Dilemma zone detection on US 35
- Signal controller upgrades and adjustments.

*Funding:*

	<u>FEDERAL</u>	<u>LOCAL</u>	<u>TOTAL</u>
Engineering	\$58,050 (100%)	\$0 (0%)	\$58,050
Construction	\$255,420 (100%)	\$0 (0%)	\$255,420

*Status:* The project is currently in the design phase with design currently scheduled to be completed in Summer 2012. Construction is currently scheduled to begin in the Fall of 2012.

## 26) US 35 Corridor Improvements Project; PID# 80468

*Project Description:* In 2004, the Miami Valley Regional Planning Commission (MVRPC) in cooperation with ODOT completed the Greene US 35 Corridor Study to recommend a strategy to convert the section of US 35 between the North Fairfield Road interchange and the Xenia Bypass to a limited access facility. The current project, GRE-35-4.26, focuses on the recommendations of the Corridor Study following ODOT’s Project Development Process (PDP). The PDP provides a framework for the decision making to take a project from the planning stages to construction. Additional information can be obtained at the MVRPC website ([www.mvrpc.org/projects/us-35/gre](http://www.mvrpc.org/projects/us-35/gre)).

*Funding:*

	<u>FEDERAL/STATE</u>	<u>LOCAL (MVRPC)</u>	<u>UNFUNDED</u>	<u>TOTAL</u>
Engineering	\$6,244,190.20 (70%)	\$321,870.80 (4%)	\$2,295,120 (26%)	\$8,861,181
Right-of-Way	----	----	\$5,300,000 (100%)	\$5,300,000
Construction	----	----	\$98,424,500 (100%)	\$98,242,500

*Status:* The project is currently in the environmental analysis and design phases. Environmental analysis and design are currently scheduled to be completed in 2013. Please see additional information on MVRPC’s website for current timetables for Right-of-Way and Construction. Please be advised that these dates are likely to change due to the Right-of-Way and Construction portions of the project currently being unfunded.

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## 27) Indian Ripple Road Safety Improvements; PID# 92554

*Project Description:* The project includes safety improvements to the Indian Ripple Road corridor from County Line Road through the Indian Ripple Road/I-675 interchange. These improvements generally consist of the following:

- Signal adjustments and upgrades,
- Adding backplates to all signal heads,
- Interchange modification to the eastbound Indian Ripple Road movements to provide improved eastbound lane utilization.

*Funding:*

	<u>FEDERAL</u>	<u>LOCAL</u>	<u>TOTAL</u>
Engineering	\$85,726 (90%)	\$9,525 (10%)	\$95,251
Construction	\$270,900 (90%)	\$30,100 (10%)	\$301,000

*Status:* The project is currently in the planning stages. Currently, the Interchange Modification Study (IMS) is being completed with the current scheduled completion date in the Summer of 2012. Design is currently scheduled to take place between 2013 and 2014. Construction is currently scheduled to begin in the Summer of 2014.

## 28) I-675 @ Indian Ripple Road Enhancement Project; PID# 86973

*Project Description:* The project generally consists of the following components:

- The enhancement of the interchange area through the planting of shade trees, evergreens, shrubs, and perennial flowers.
- The project also involves some minor grading within the interchange area and the placement of decorative retaining walls to create suitable planting beds.

*Funding:*

	<u>FEDERAL</u>	<u>LOCAL</u>	<u>TOTAL</u>
Engineering	\$0 (0%)	\$50,000 (100%)	\$50,000
Construction	\$297,000 (50%)	\$297,000 (50%)	\$594,000

*Status:* Design work is currently scheduled to take place during 2015. Construction is currently scheduled to start in 2016.

## 29) Grange Hall Road Culvert Replacement

*Project Description:* The project will generally consist of the replacement of the culvert approximately 0.25 miles north of the Grange Hall Road and Indian Ripple Road intersection. The project will also install new guardrail.

*Funding:* Construction = \$40,000 (Local/Total)

*Status:* The project is currently scheduled to begin construction in 2012.

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## **30) Sunbeam Drive Culvert Replacement**

*Project Description:* The project generally consists of the replacement of a deteriorated culvert on Sunbeam Drive.

*Funding:* Construction = \$20,000 (Local/Total)

*Status:* The project is currently scheduled to begin construction in 2012.