



# The Rapid Bridge Replacement Project

558 Bridges Rebuilt in Three Years





# Rapid Bridge Replacement Project



## What is this project going to do?

- PennDOT awarded a contract to Plenary Walsh Keystone Partners (PWKP) to replace 558 of Pennsylvania's Structurally Deficient (SD) bridges over the next three years.
- PWKP has responsibility to design, construct and then maintain the bridges for the next 25 years
- PennDOT retains ownership of all structures and handles routine maintenance like snow plowing



# Rapid Bridge Replacement Project



## Who is Plenary Walsh Keystone Partners (PWKP)?

- Plenary Group USA Ltd. and Walsh Investors, LLC will provide financing and long-term management
- Construction work will be led by a joint venture team of Walsh Construction Company and Granite Construction Company
- HDR will be the team's lead designer
- Walsh Infrastructure Management will provide bridge maintenance over the life of the 25-year contract

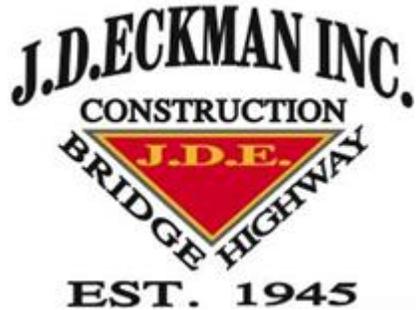




# Rapid Bridge Replacement Project



- The project will require the involvement of many Pennsylvania subcontractors and suppliers, starting with the companies we've already contracted with:

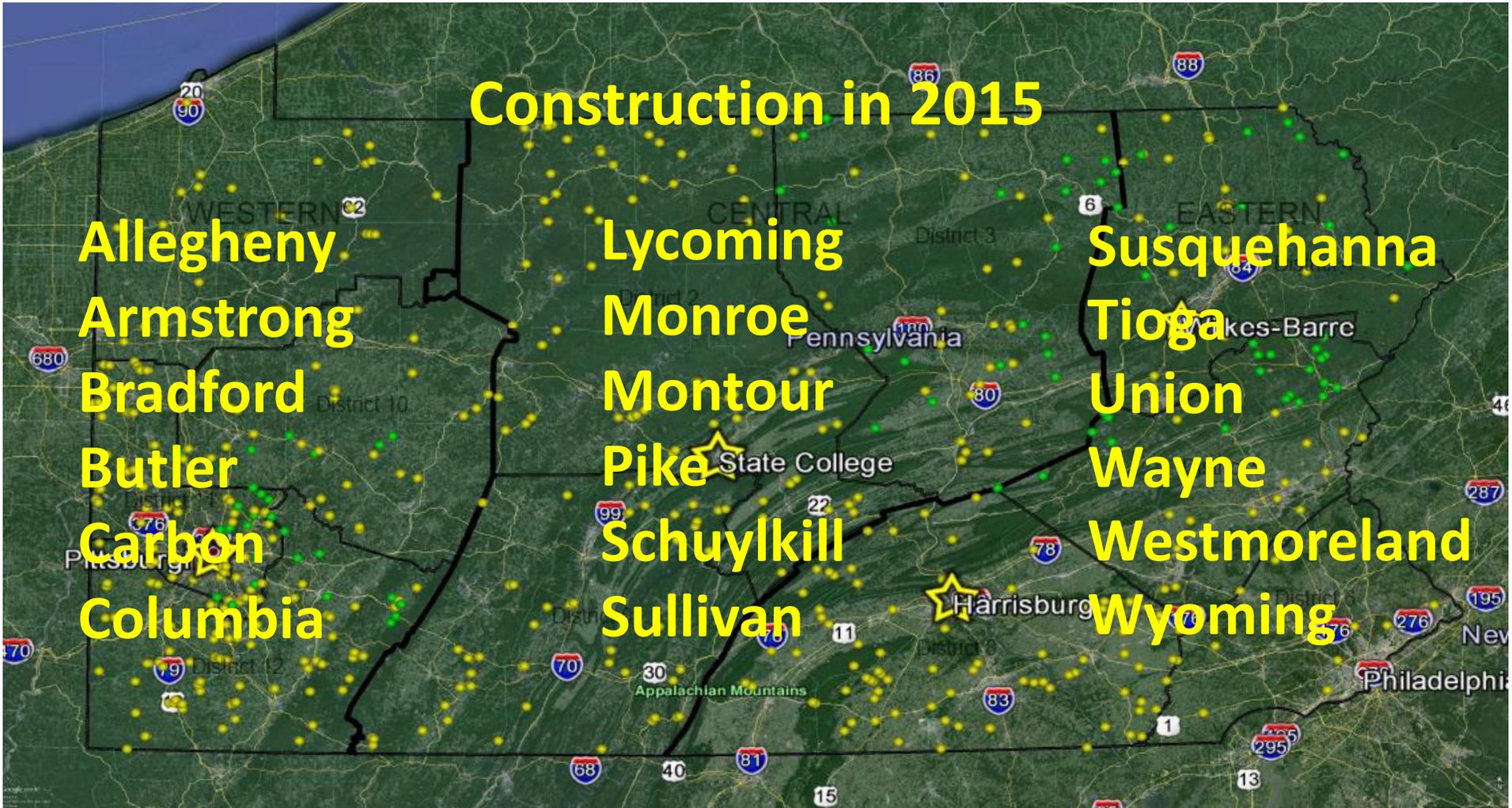




# Rapid Bridge Replacement Project



# Rapid Bridge Replacement Project





# Rapid Bridge Replacement Project



- Primarily crossings on smaller state highways, many in rural areas, rather than interstate bridges or large river crossings.
- Design, construction, financing, and maintenance are the responsibility of PWKP, who will deliver the replacement bridges for an average cost of \$1.6 million each
- That's a savings of about \$400,000 per bridge over PennDOT's standard contracting process



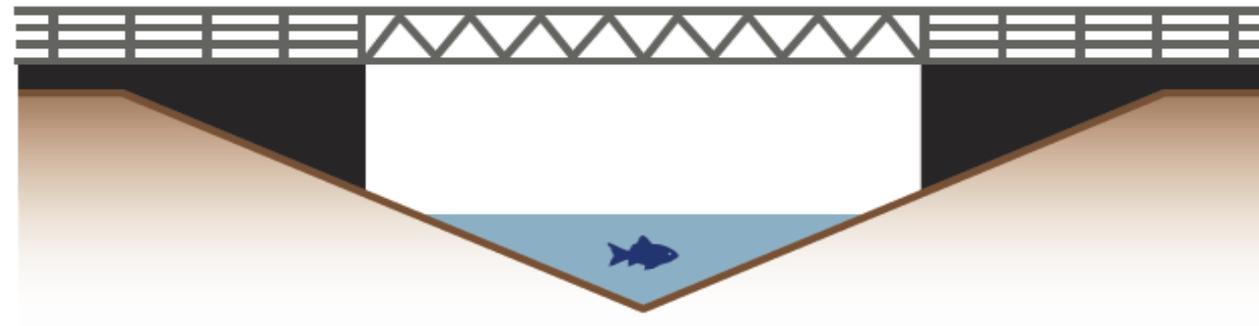




# Rapid Bridge Replacement Project



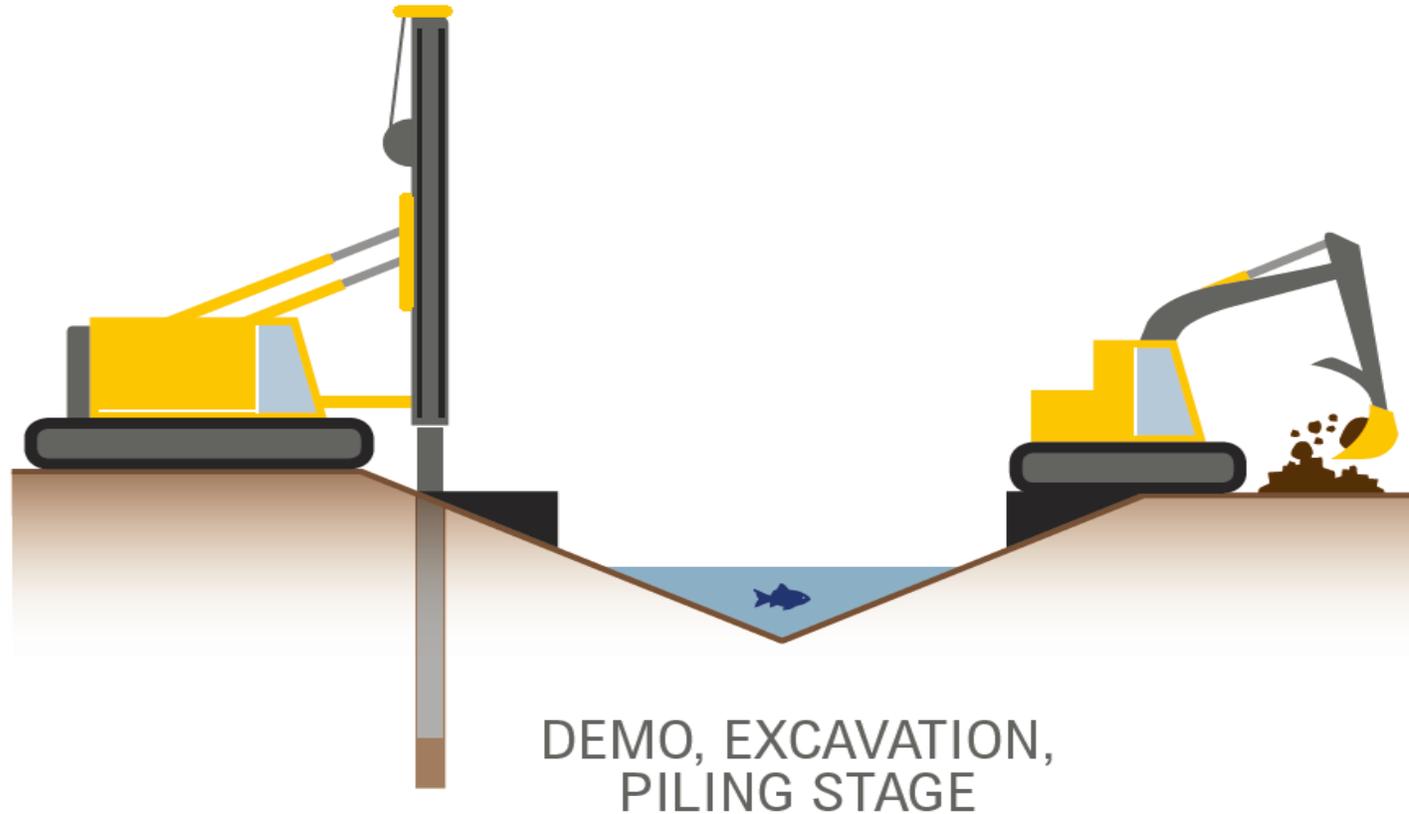
The bridge construction process is illustrated in the next four slides.



EXISTING STRUCTURE

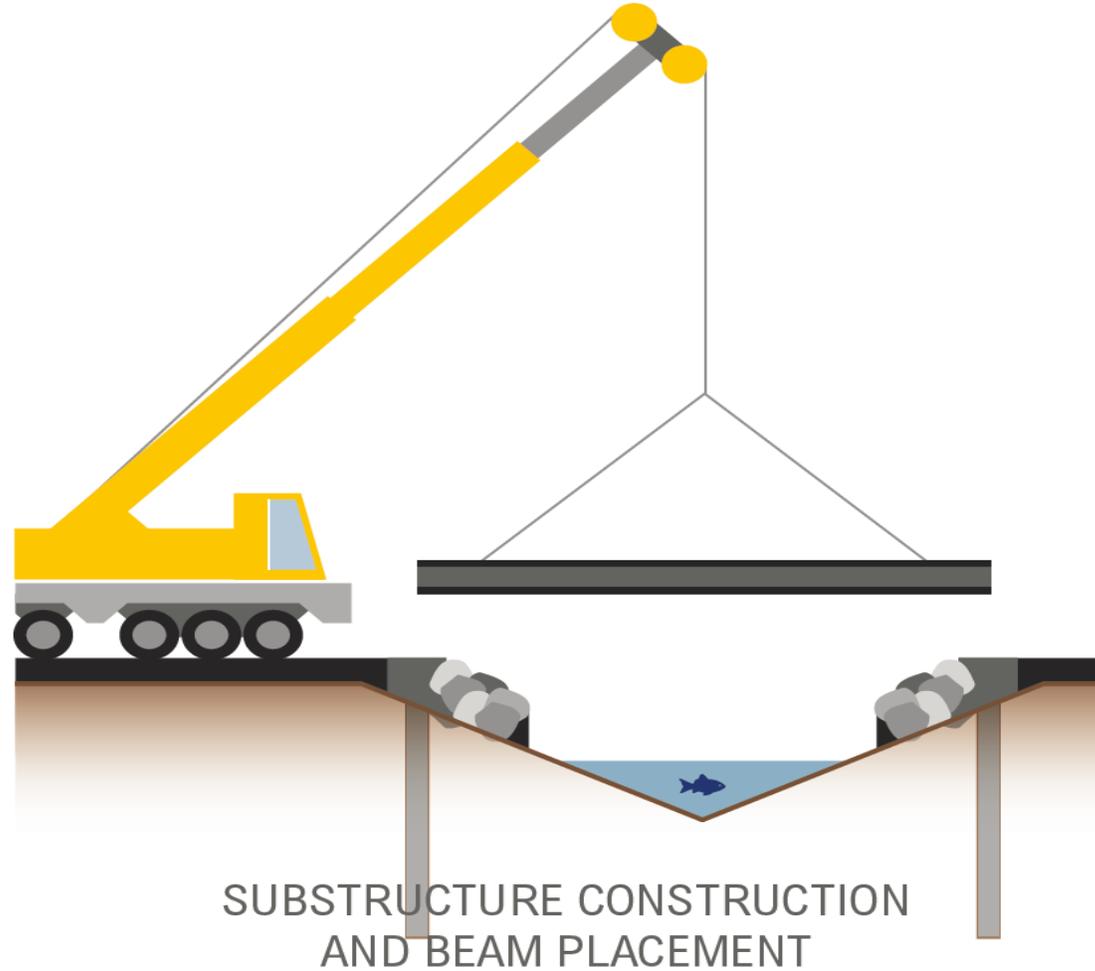


# Rapid Bridge Replacement Project



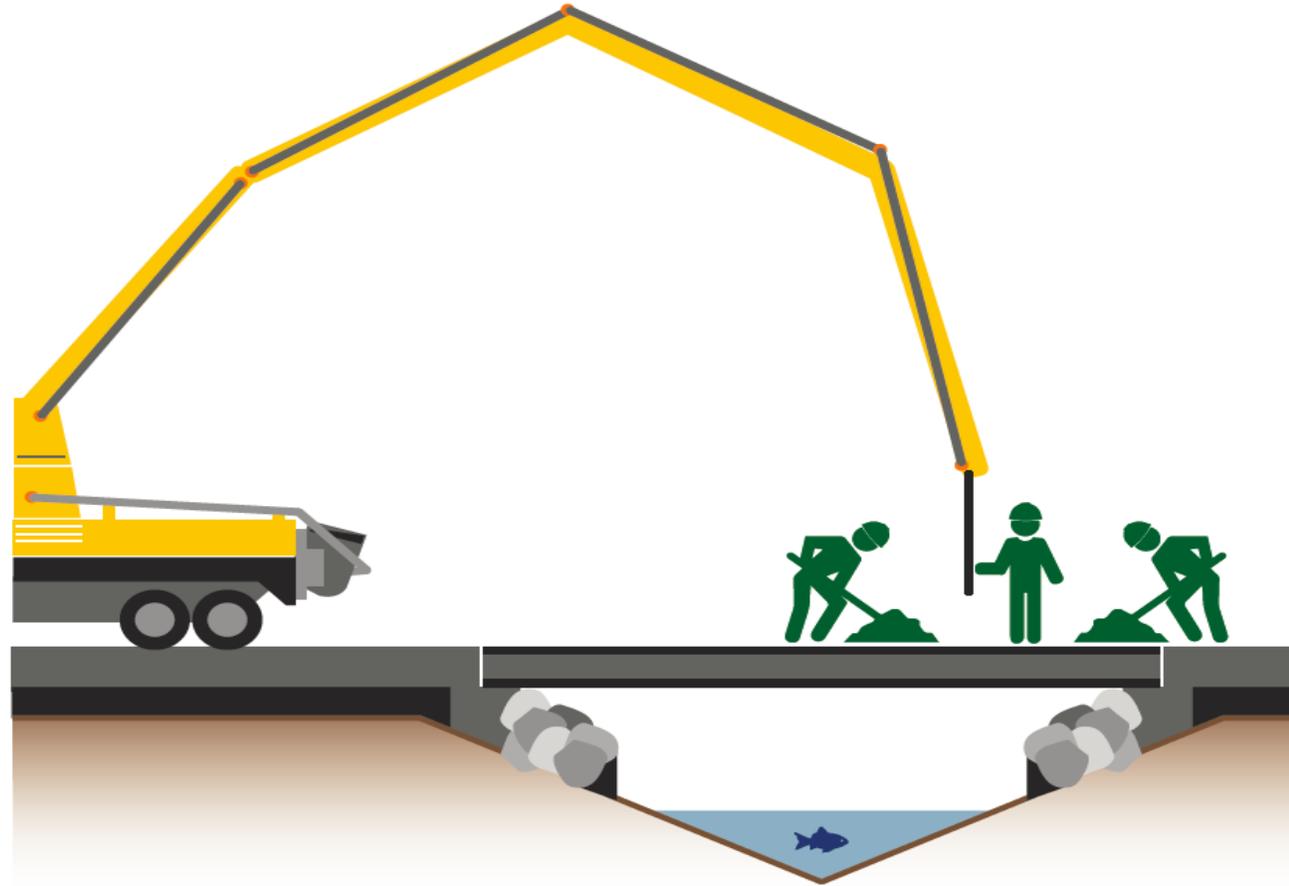


# Rapid Bridge Replacement Project





# Rapid Bridge Replacement Project



SUBSTRUCTURE CONSTRUCTION  
AND DECK PLACEMENT



# Rapid Bridge Replacement Project



The completed bridges will look similar to this.

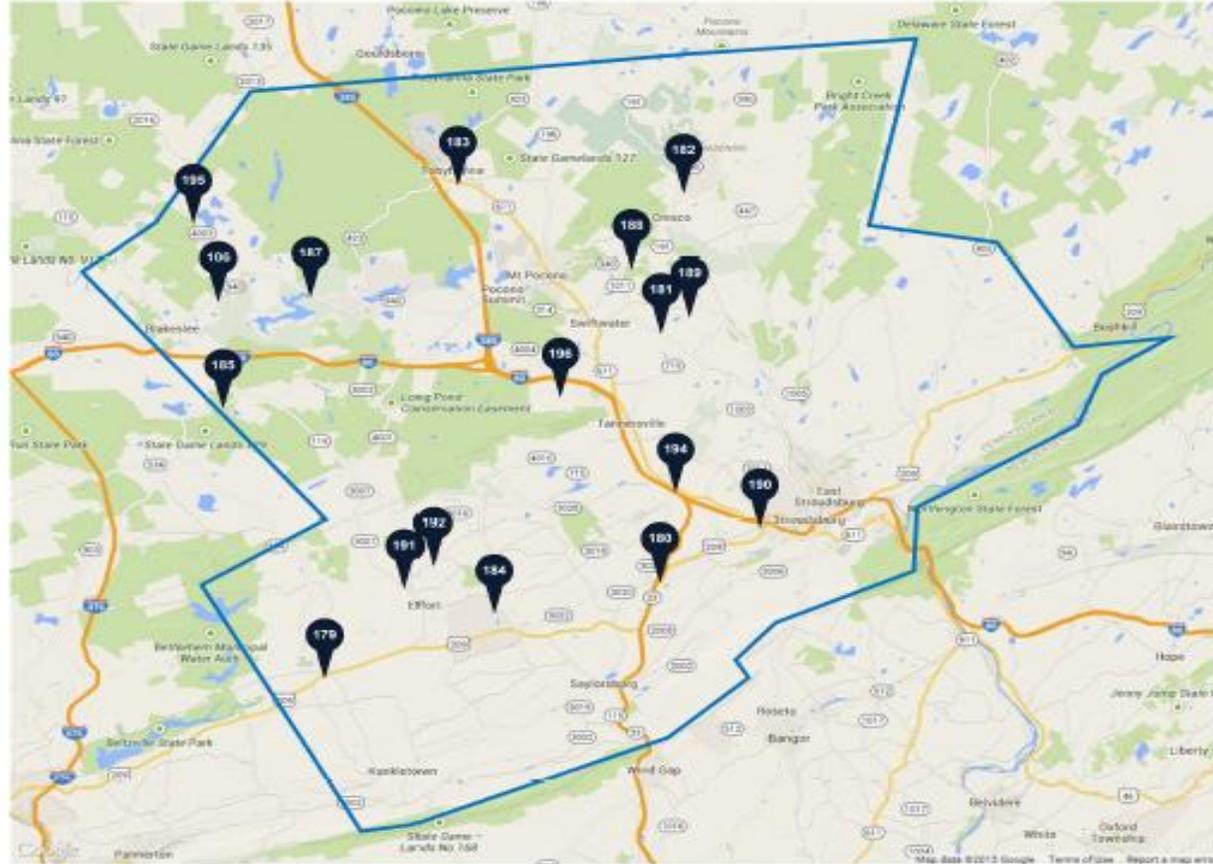




# Rapid Bridge Replacement Project



Monroe County  
bridge construction  
2015 and 2016



- County Border
- Number on pinpoint corresponds to table

For more information, visit [www.prapidbriges.com/bridgesbycounty](http://www.prapidbriges.com/bridgesbycounty).



# Rapid Bridge Replacement Project



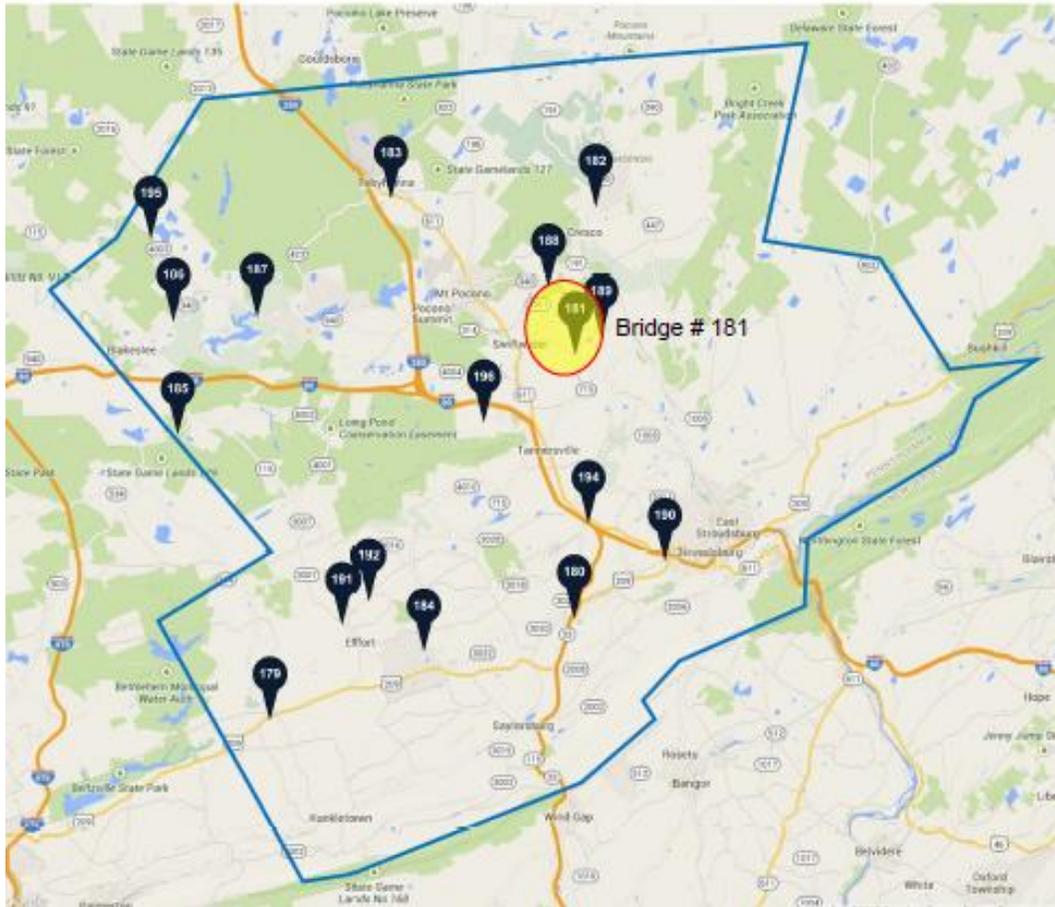
Monroe County bridge construction schedule and location details.

	LOCATION	ROUTE	OVER	SCHEDULE
179	Kresgeville	SR 209 (LR 164)	Middle Creek	Mar 2016 > Oct 2016
180	At junction with SR 33 SB	SR 209 & SR 33SB	Appenzell Creek	Mar 2016 > Oct 2016
181	2.5 mi. S of Swiftwater	SR 314 (LR45025)	Swiftwater Creek	Aug 2015 > Nov 2015
182	Mountain Home	SR 390 (LR 324)	Mill Creek	May 2015 > Jan 2016
183	Tobyhanna	SR 611 (LR 168)	Tobyhanna Creek	Jun 2015 > Feb 2016
184	1 mi. N of Brodheads ville	SR 715 (LR45041)	McMichaels Creek	May 2016 > Sep 2016
185	.33 mi. W of SR 115	SR 903 (LR 550)	Tributary to Tunkhannock Creek	Aug 2015 > Dec 2015
186	2 mi. E of Blakeslee	SR 940 (LR 169)	Davey Run	Jun 2015 > Feb 2016
187	5 mi. E of Blakeslee	SR 940 (LR 169)	Tobyhanna Creek (Pocono Lake)	Jul 2015 > Feb 2016
188	2 mi. E of Mt. Pocono	SR 940 (LR 169)	Paradise Creek	Mar 2016 > Oct 2016
189	1.2 mi. E of SR 314	SR 1004 (LR 45027)	Paradise Creek	Jun 2016 > Oct 2016
190	Bridge Street	SR 2009 (LR 45050)	Pocono Creek	Dec 2015 > Oct 2016
191	T-939 S of Merwinsburg	SR 3009 (45066) T-939	Pohopoco Creek	Jul 2015 > Nov 2015
192	Sugar Hollow Road	SR 3011 (LR 45042)	Sugar Hollow Creek	Jul 2015 > Oct 2015
194	Rim Rock Drive	SR 3023 (LR 45033)	Pocono Creek	Jul 2015 > Nov 2015
195	Locust Ridge Road	SR 4003 (LR45039)	Trout Creek	Aug 2015 > Nov 2015
196	.7 mi. W of LR 45024	SR 4006 (LR45024SP)	Pocono Creek	Mar 2016 > Oct 2016



# Rapid Bridge Replacement Project

## 181 Location



# Rapid Bridge Replacement Project



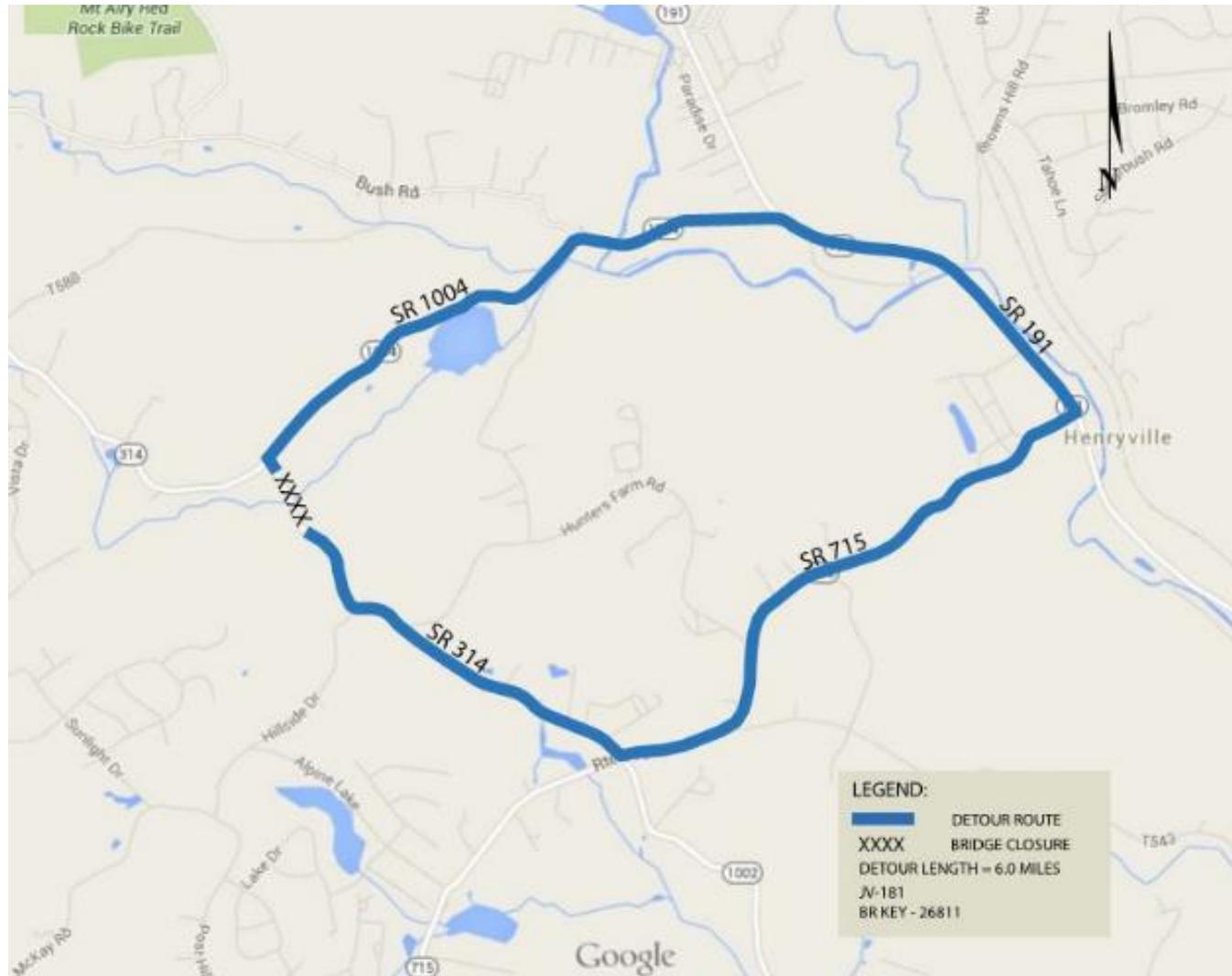
- (Bridge # 181)
- (SR314) Club House Drive
- Crossing over Swiftwater Creek
- Scheduled from August to November 2015.
- Detour Route



# Rapid Bridge Replacement Project



Detour while (SR314) Club House Drive is closed.

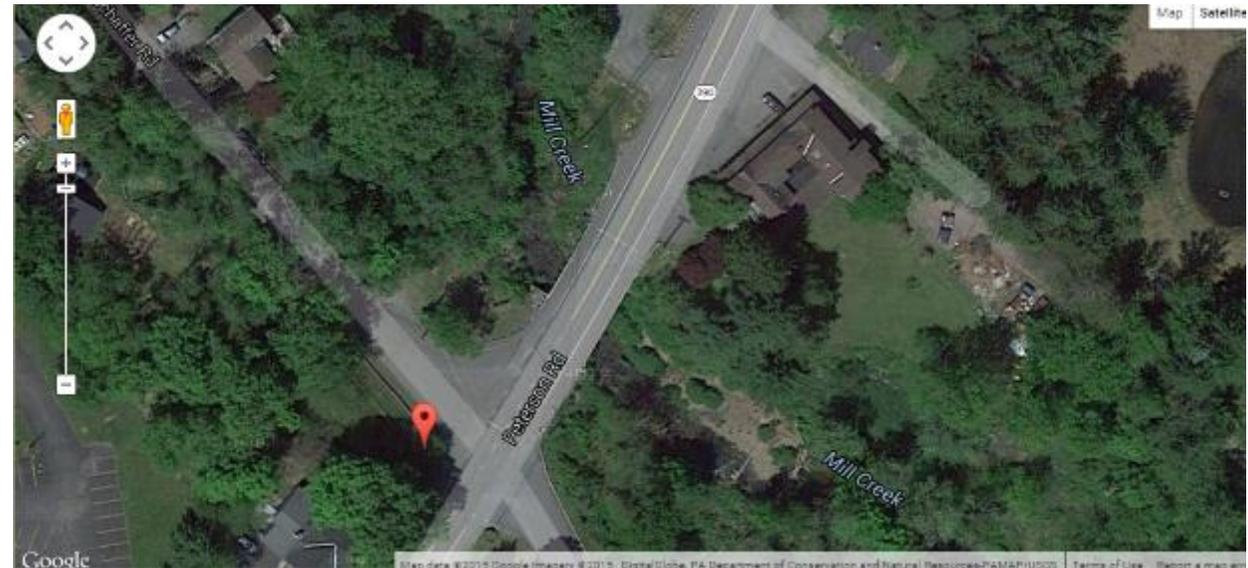
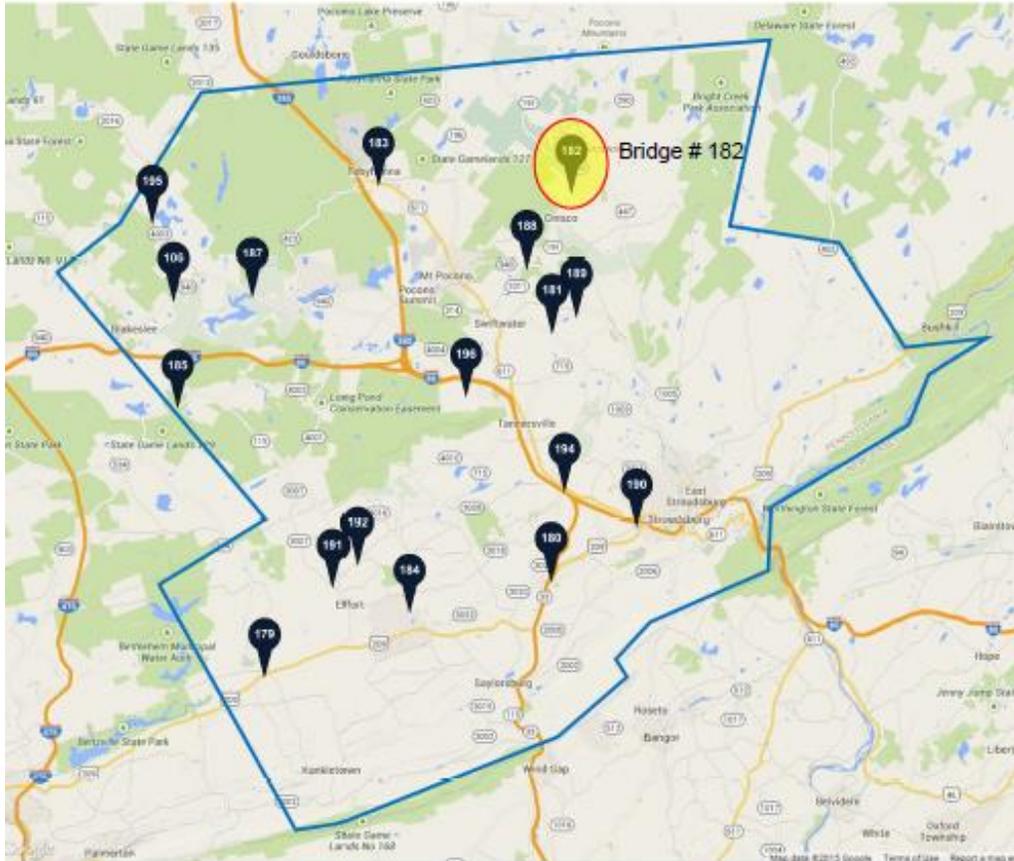




# Rapid Bridge Replacement Project



## 182 Location





# Rapid Bridge Replacement Project



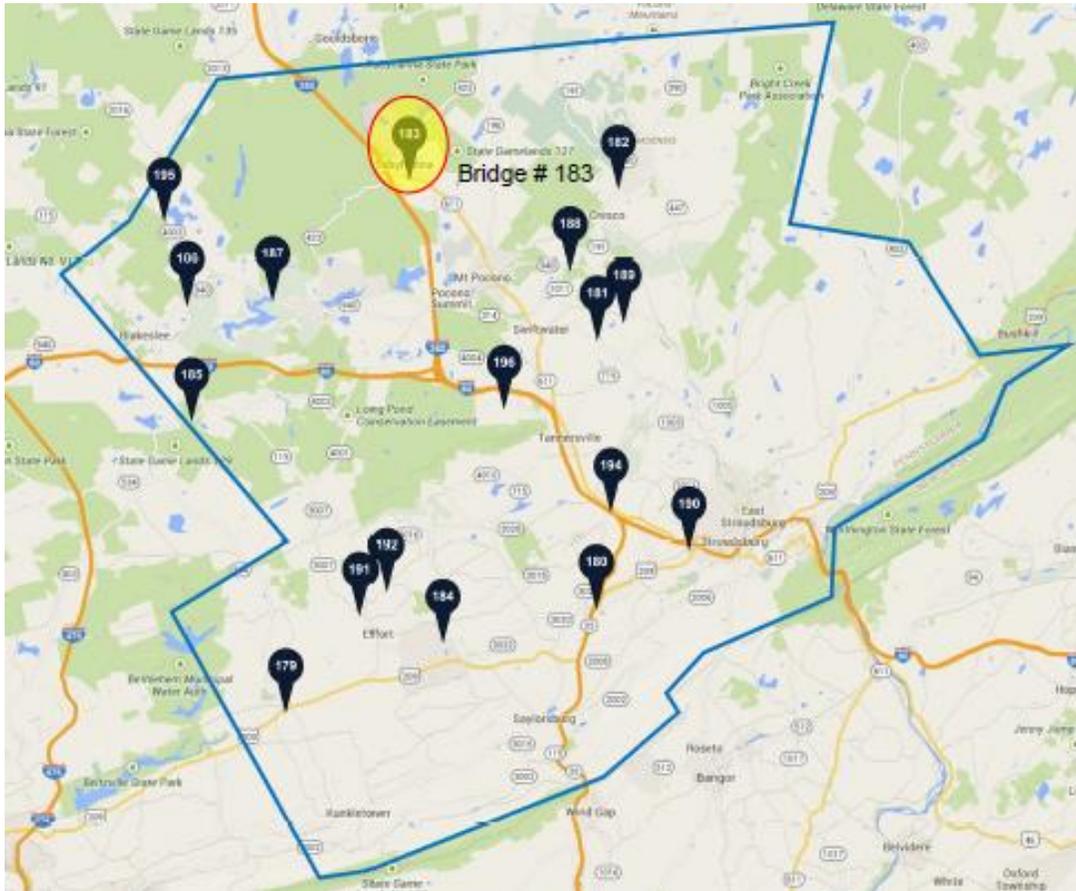
- Bridge #182
- (SR390) Preston Road
- Crossing over Mill Creek
- Scheduled from May 2015 to January 2016.
- Stage Construction



# Rapid Bridge Replacement Project



## 183 Location





# Rapid Bridge Replacement Project

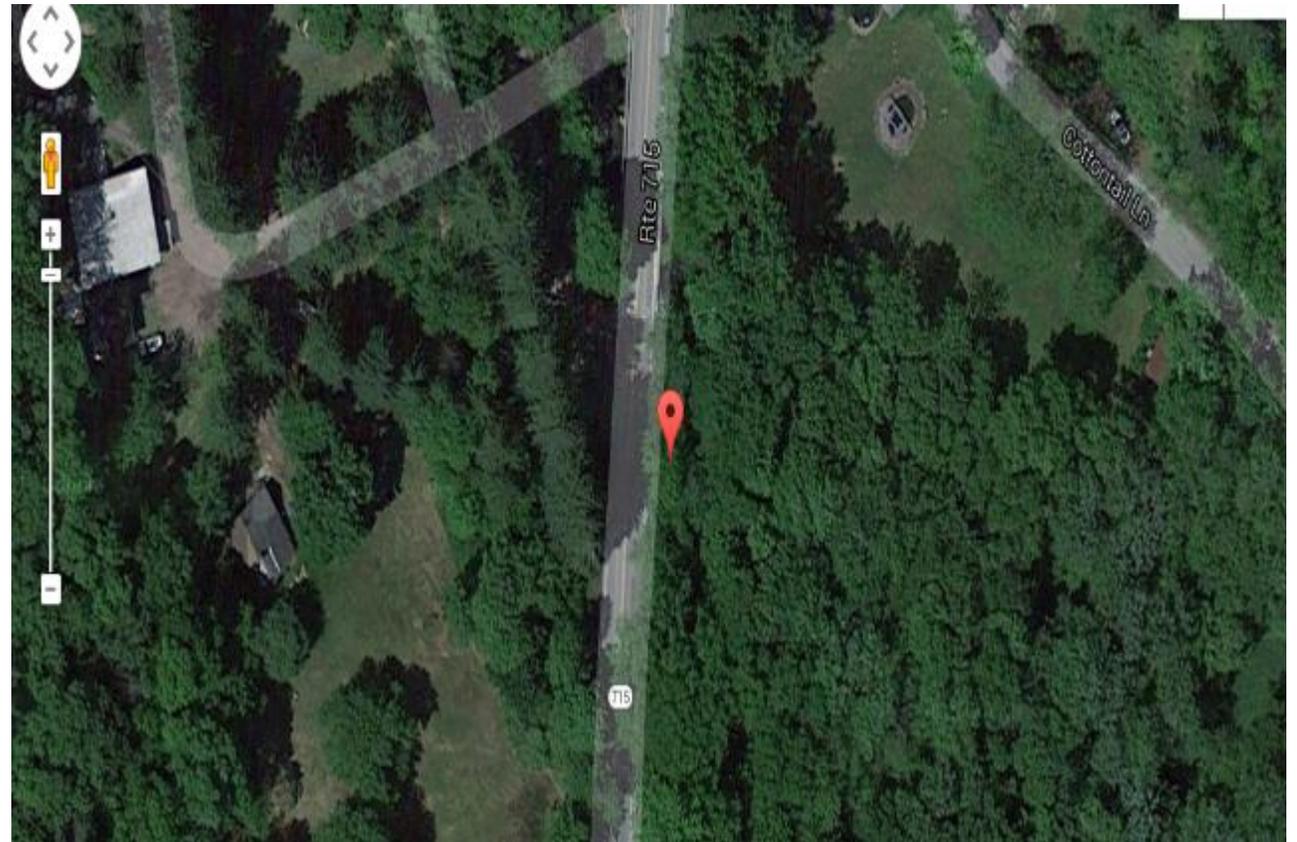
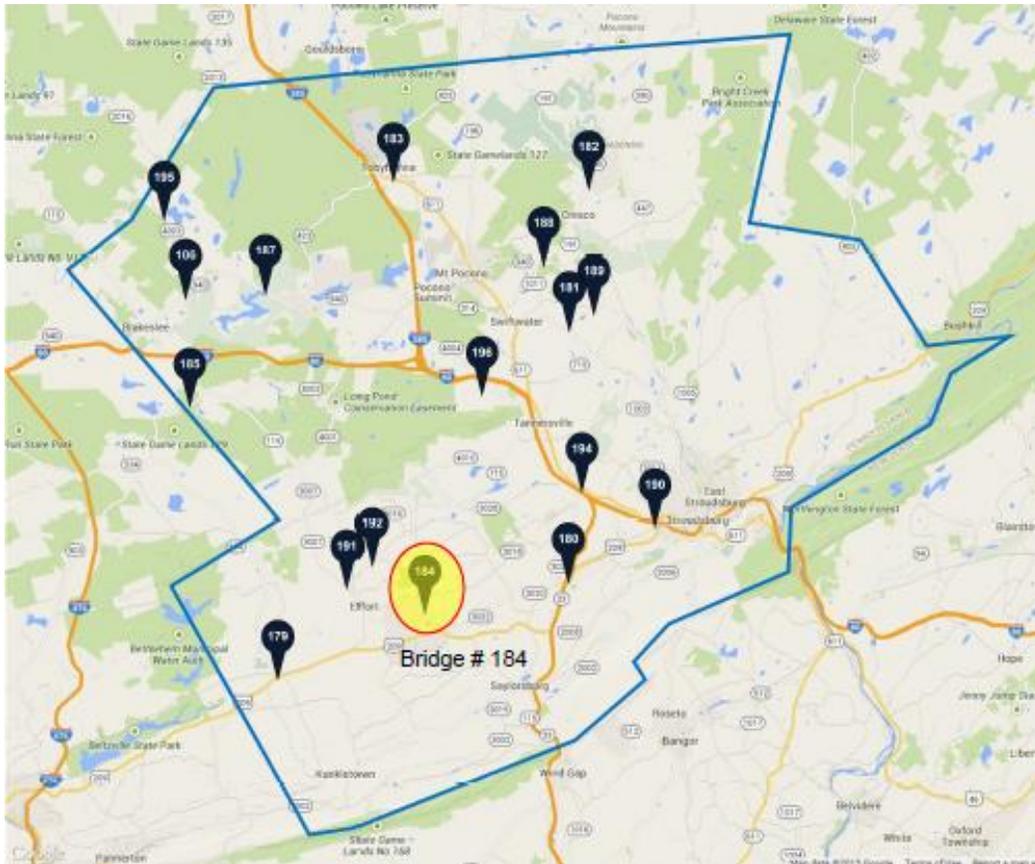


- Bridge #183
- SR 611
- Crossing over Tobyhanna Creek
- Scheduled June 2015 to February 2016.
- Staged Construction



# Rapid Bridge Replacement Project

## 184 Location



# Rapid Bridge Replacement Project



- Bridge #184
- SR715
- Crossing over McMichael Creek
- Scheduled from May to September 2015.
- Detour Route



# Rapid Bridge Replacement Project



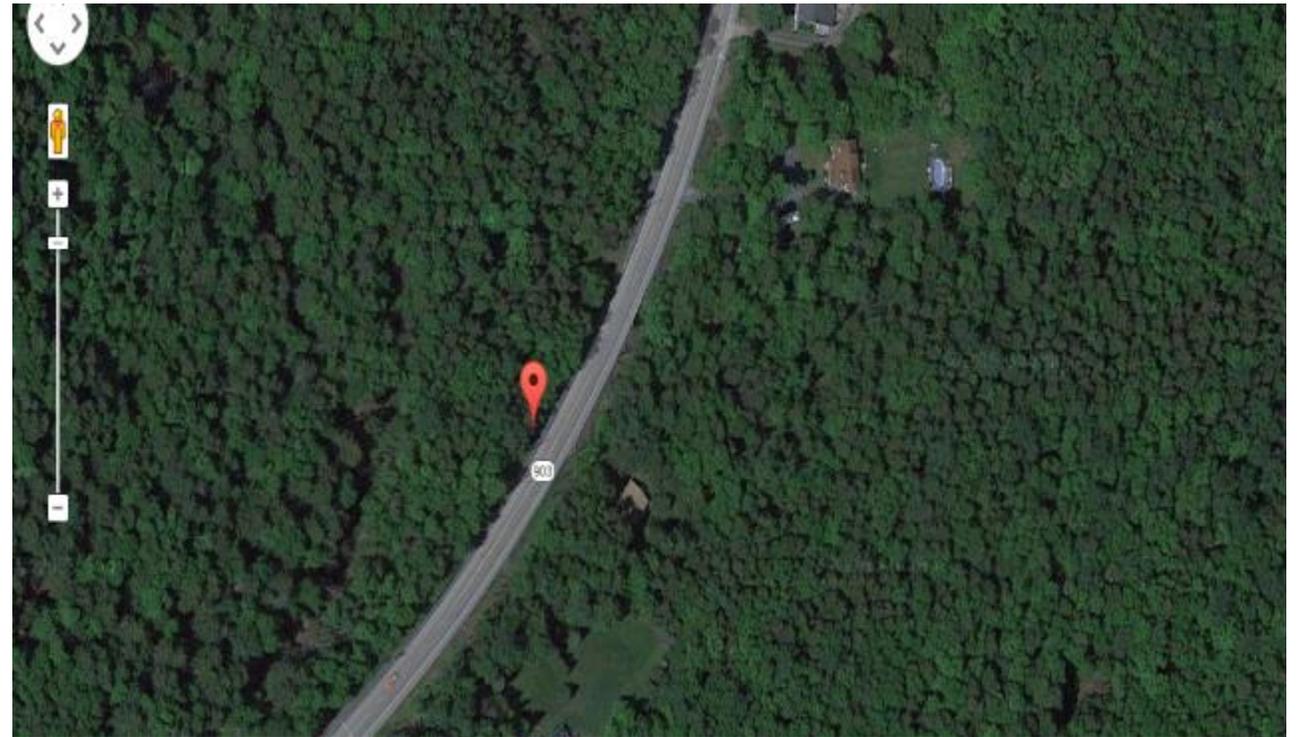
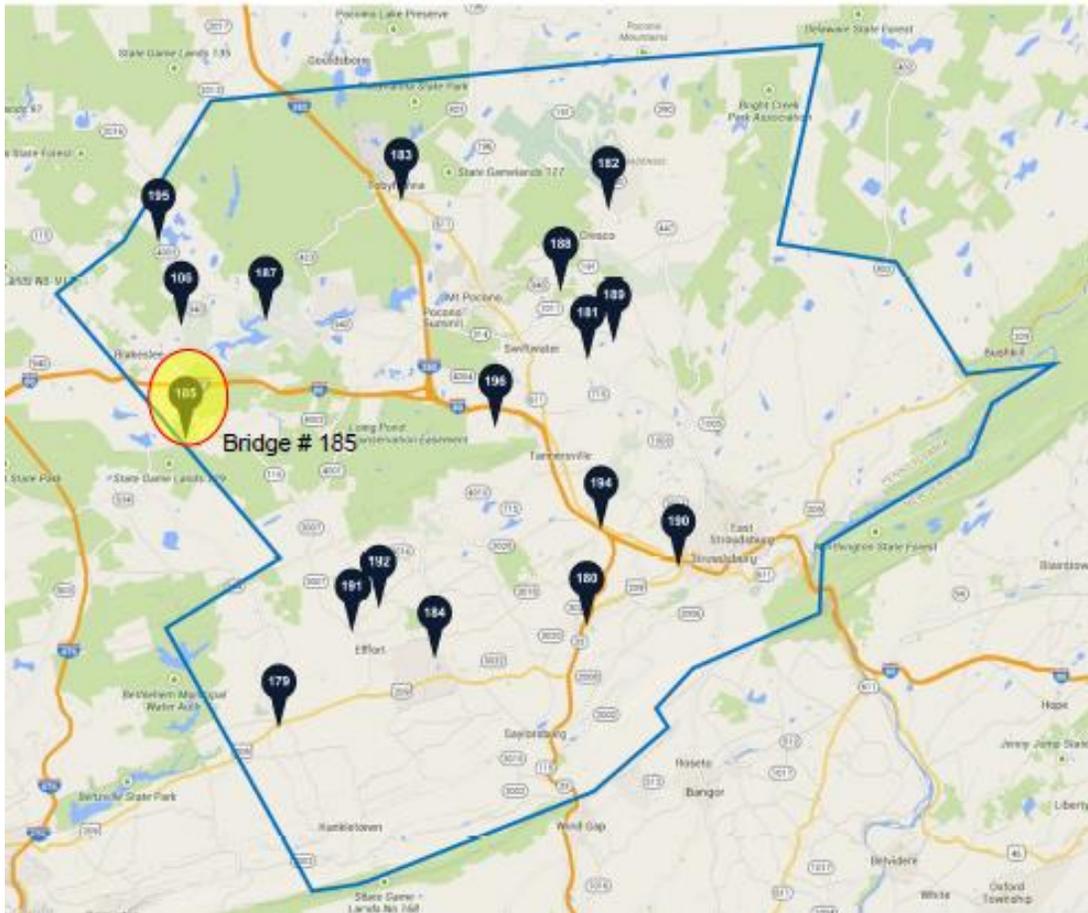
Detour while SR715 is closed.





# Rapid Bridge Replacement Project

## 185 Location





# Rapid Bridge Replacement Project

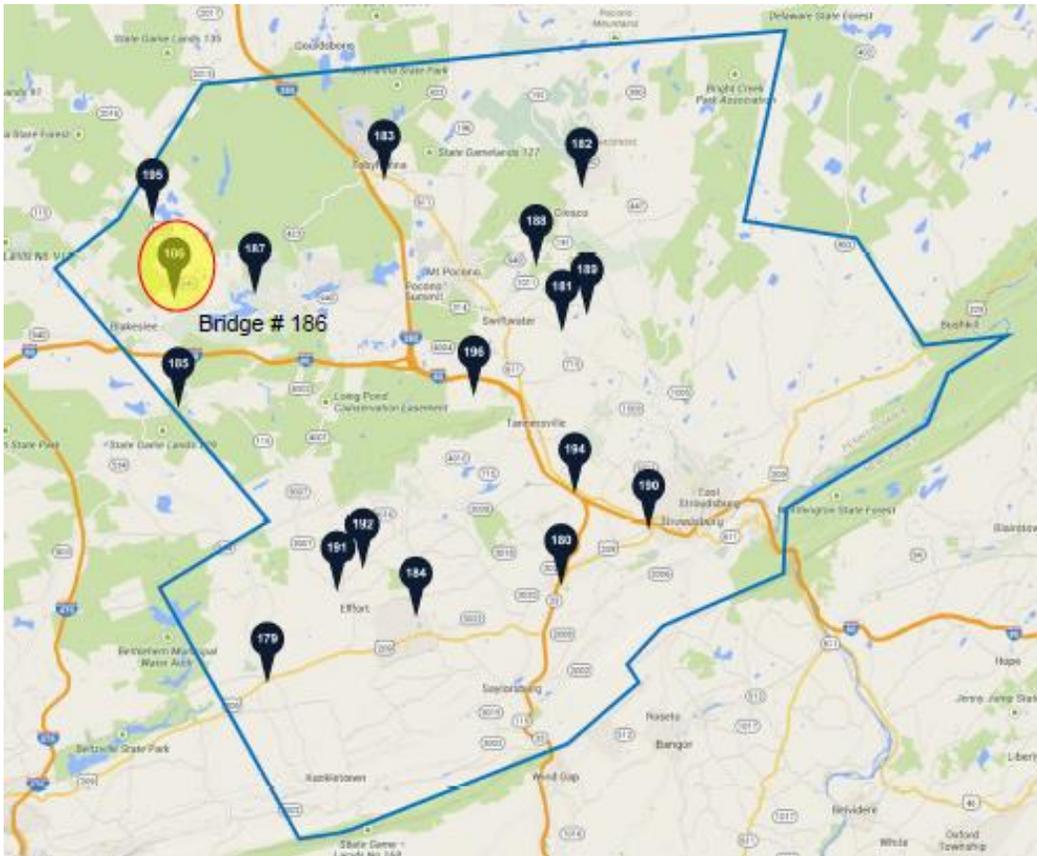


- Bridge JV185
- SR903
- Crossing over Tunkhannock Creek
- Scheduled from August to December 2015.
- Staged Construction



# Rapid Bridge Replacement Project

## 186 Location



# Rapid Bridge Replacement Project

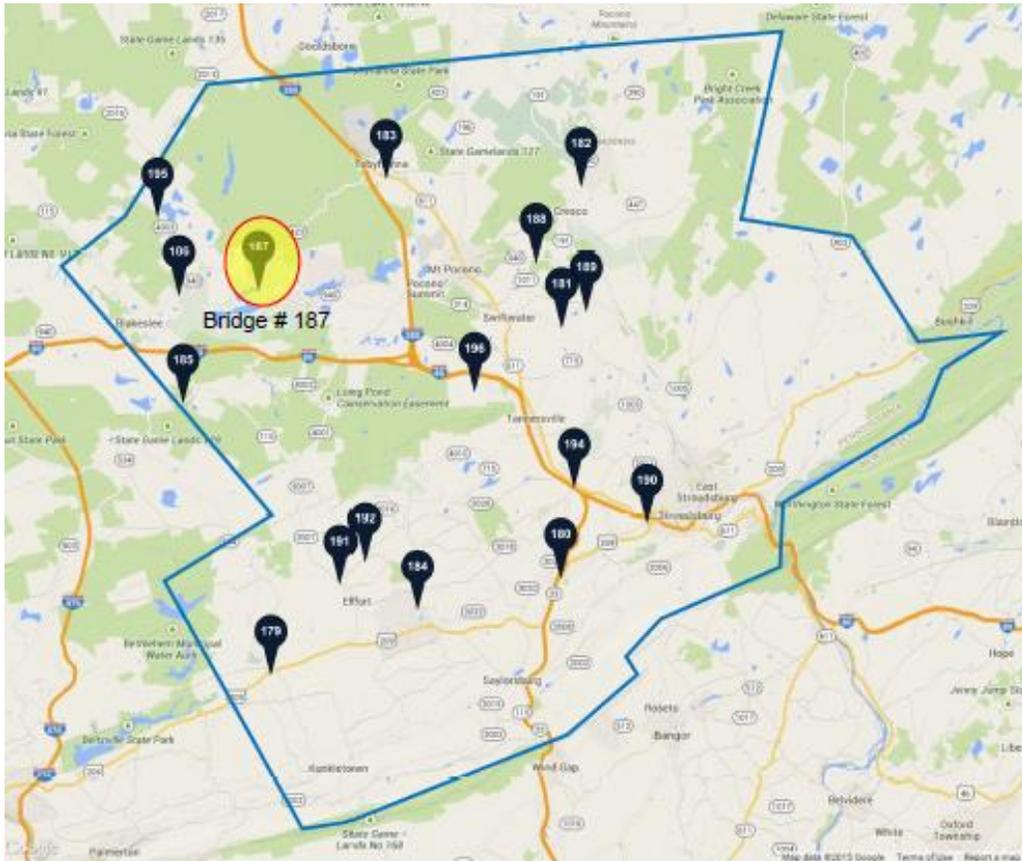


- Bridge #186
- SR940
- Crossing over Davey Run
- Scheduled from June 2015 to February 2016.
- Staged Construction



# Rapid Bridge Replacement Project

## 187 Location





# Rapid Bridge Replacement Project

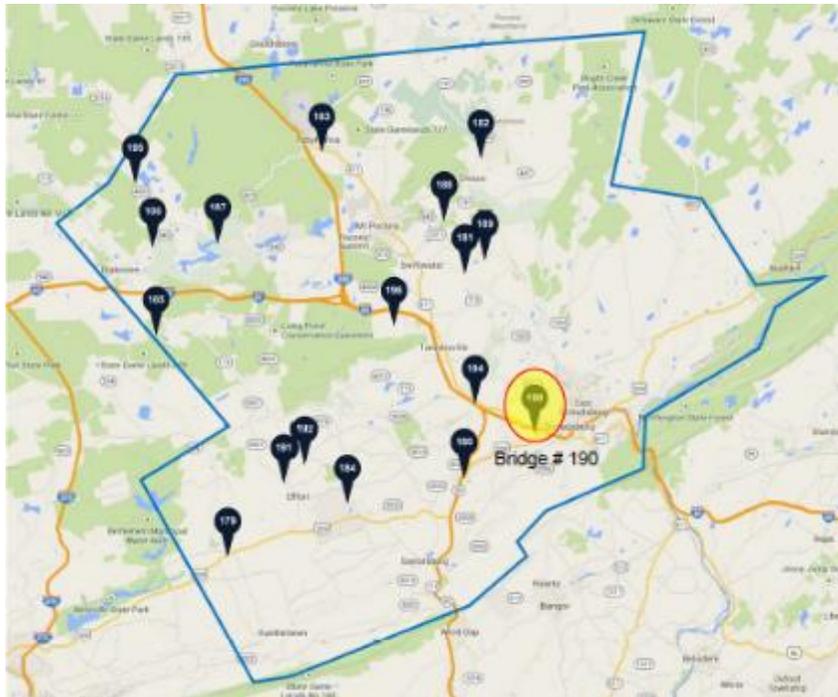


- Bridge #187
- SR940
- Crossing over Tobyhanna Creek
- Scheduled from July 2015 to February 2016.
- Staged Construction



# Rapid Bridge Replacement Project

## 190 Location





# Rapid Bridge Replacement Project

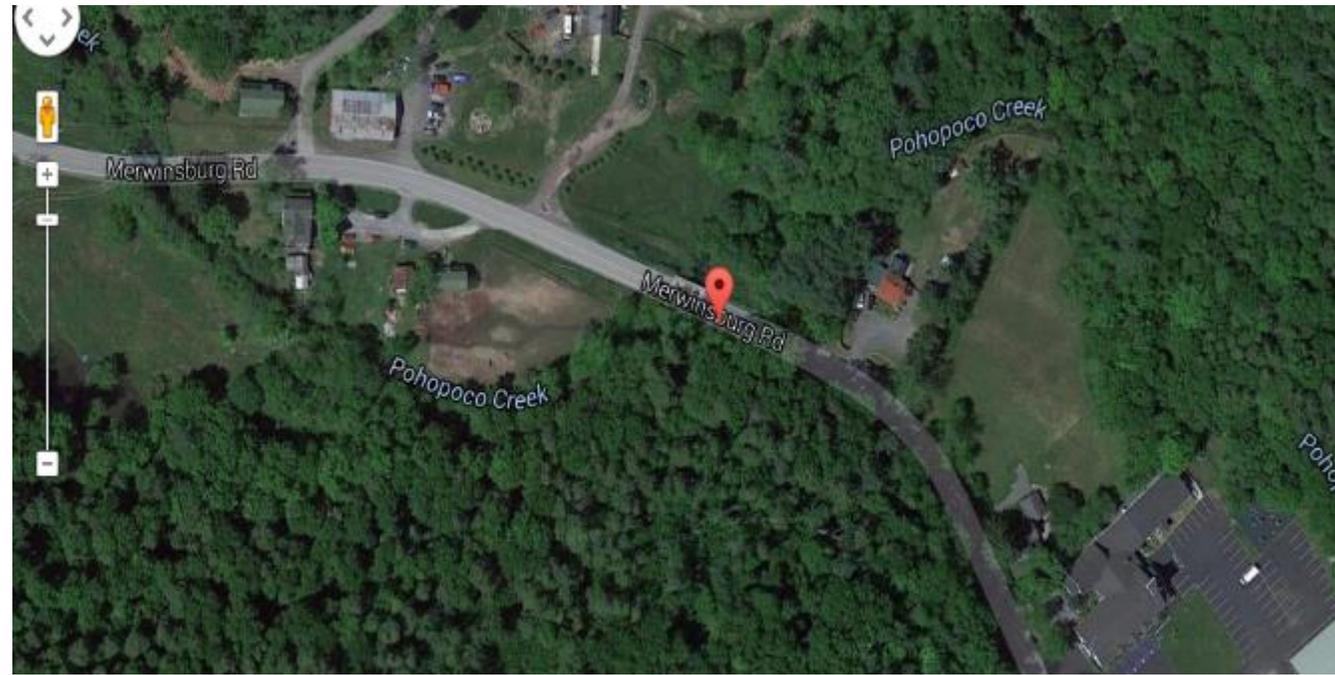
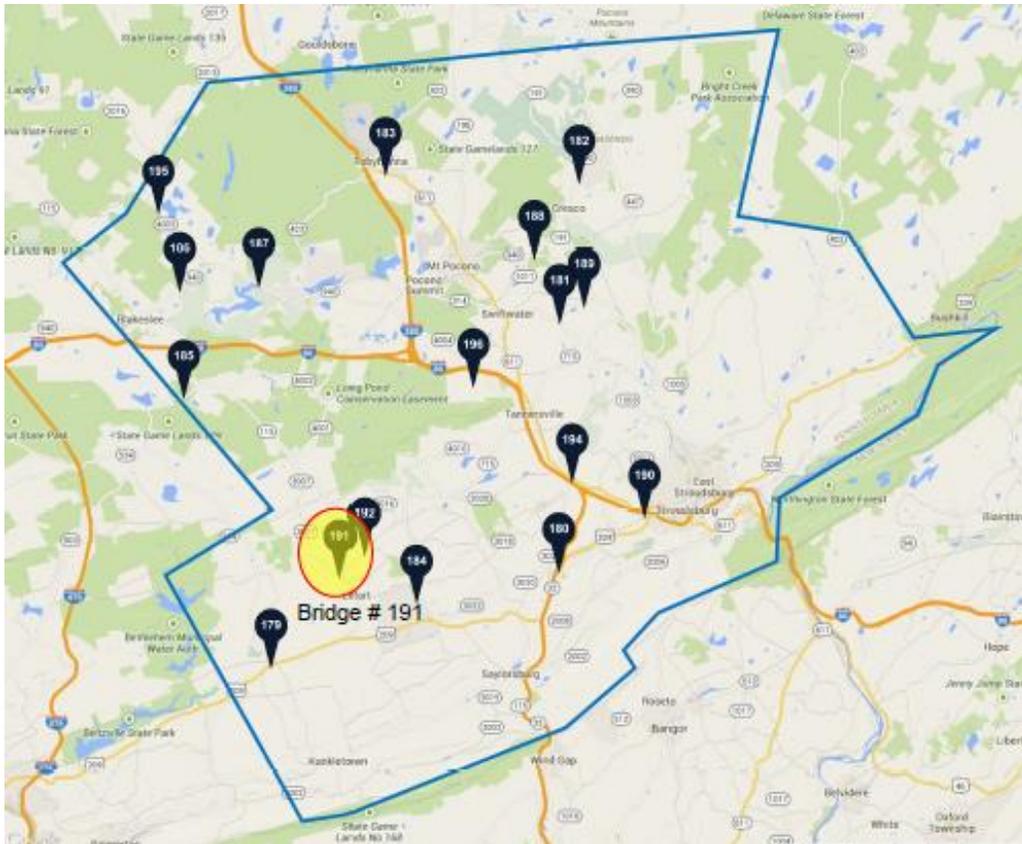


- Bridge #190
- (SR2009) Bridge Street
- Crossing over Pocono Creek
- Scheduled from December 2015 to October 2016
- Staged Construction



# Rapid Bridge Replacement Project

## 191 Location





# Rapid Bridge Replacement Project

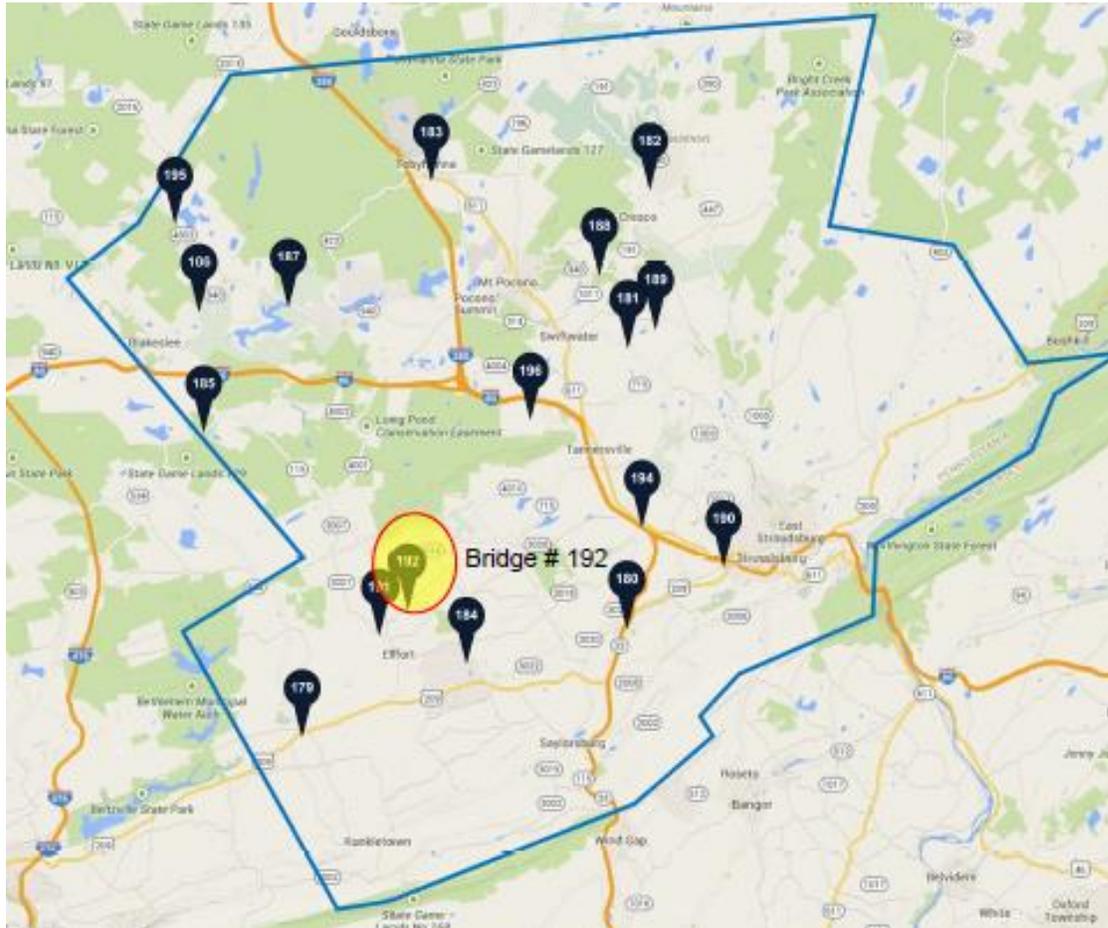


- Bridge #191
- (SR3009) Merwingsberg Road
- Crossing over Pohopoco Creek
- Scheduled from June to November 2015.
- Staged Construction



# Rapid Bridge Replacement Project

## 192 Location





# Rapid Bridge Replacement Project



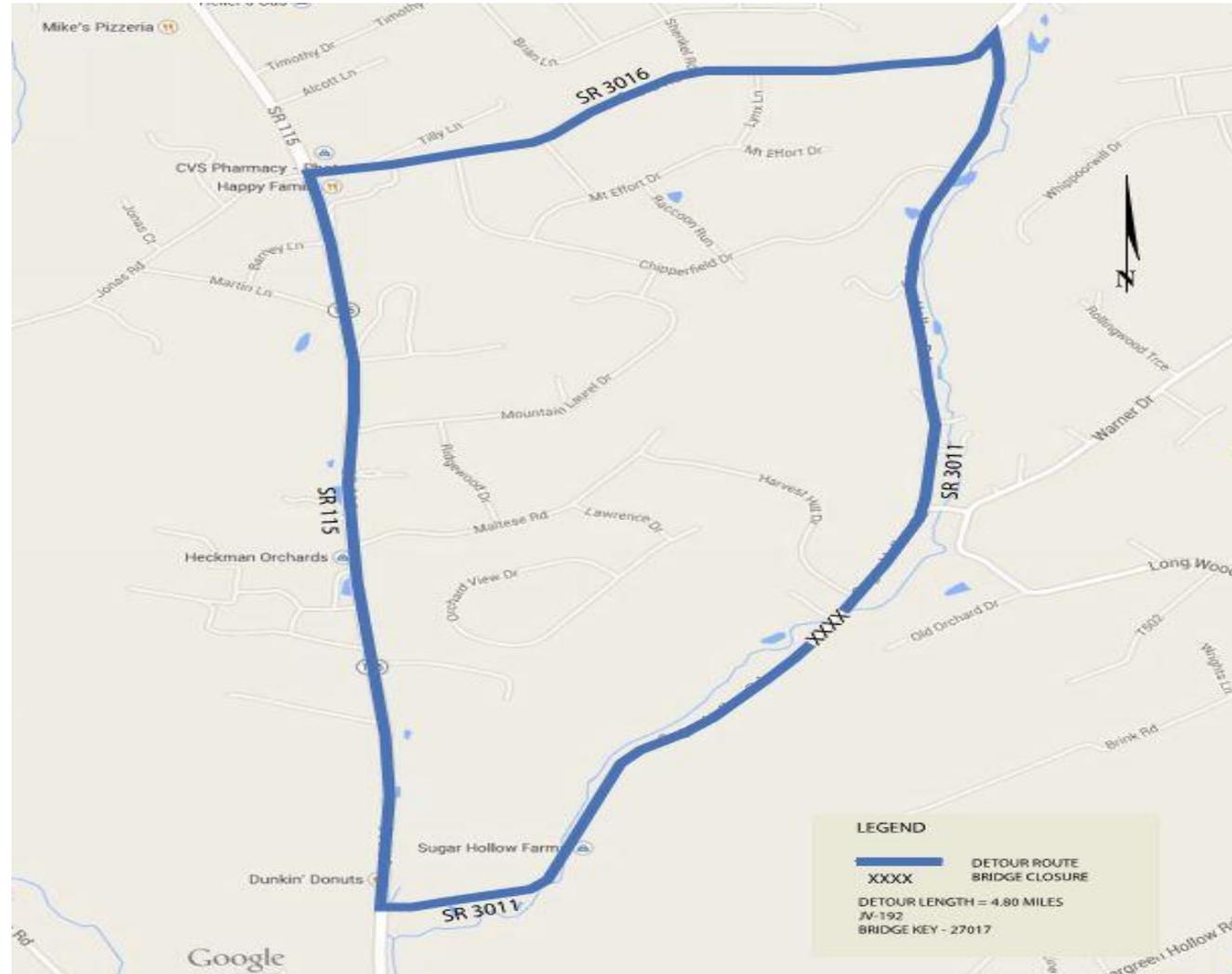
- Bridge #192
- (SR3011) Sugar Hollow Road
- Crossing over Sugar Hollow Creek
- Scheduled from July to October 2015.
- Detour Route



# Rapid Bridge Replacement Project



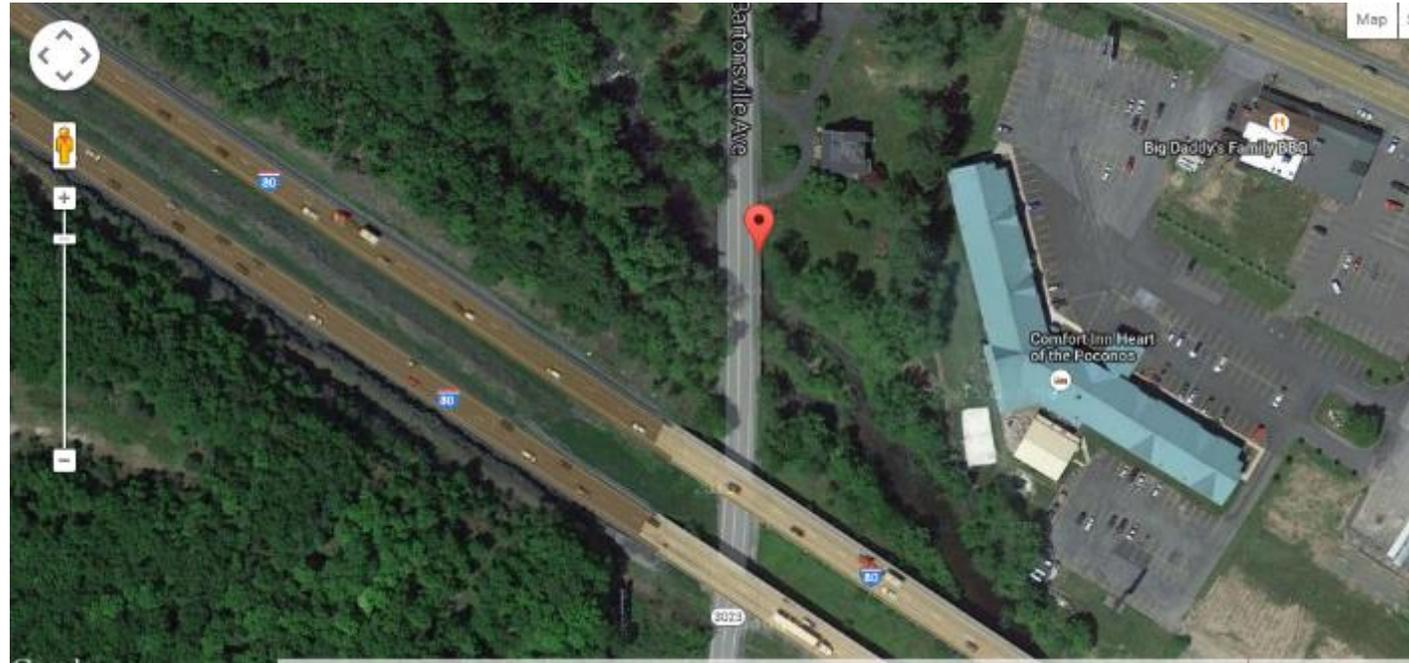
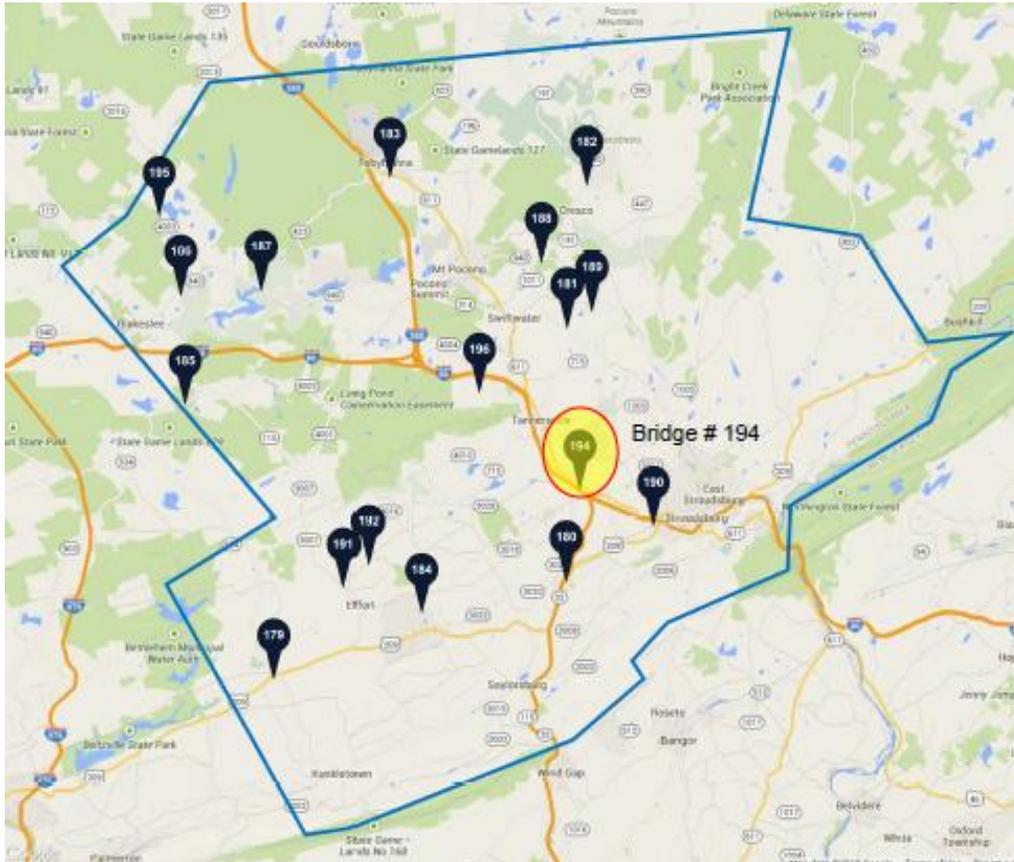
Detour while  
(SR314) Sugar  
Hollow Road is  
closed.





# Rapid Bridge Replacement Project

## 194 Location





# Rapid Bridge Replacement Project



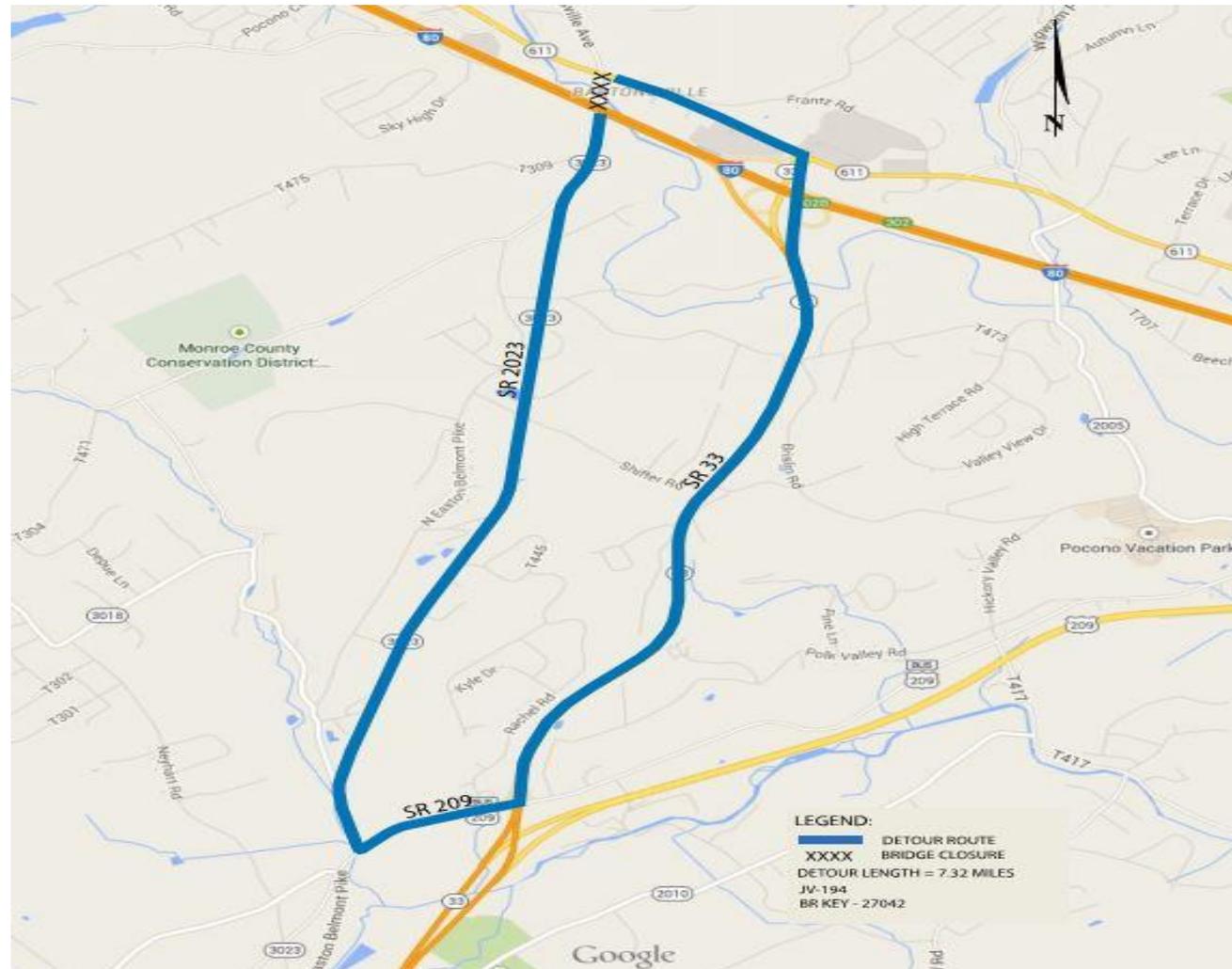
- Bridge #194
- (SR3023) Bartonville Avenue
- Crossing over Pocono Creek
- Scheduled from July to November 2015
- Detour Route



# Rapid Bridge Replacement Project



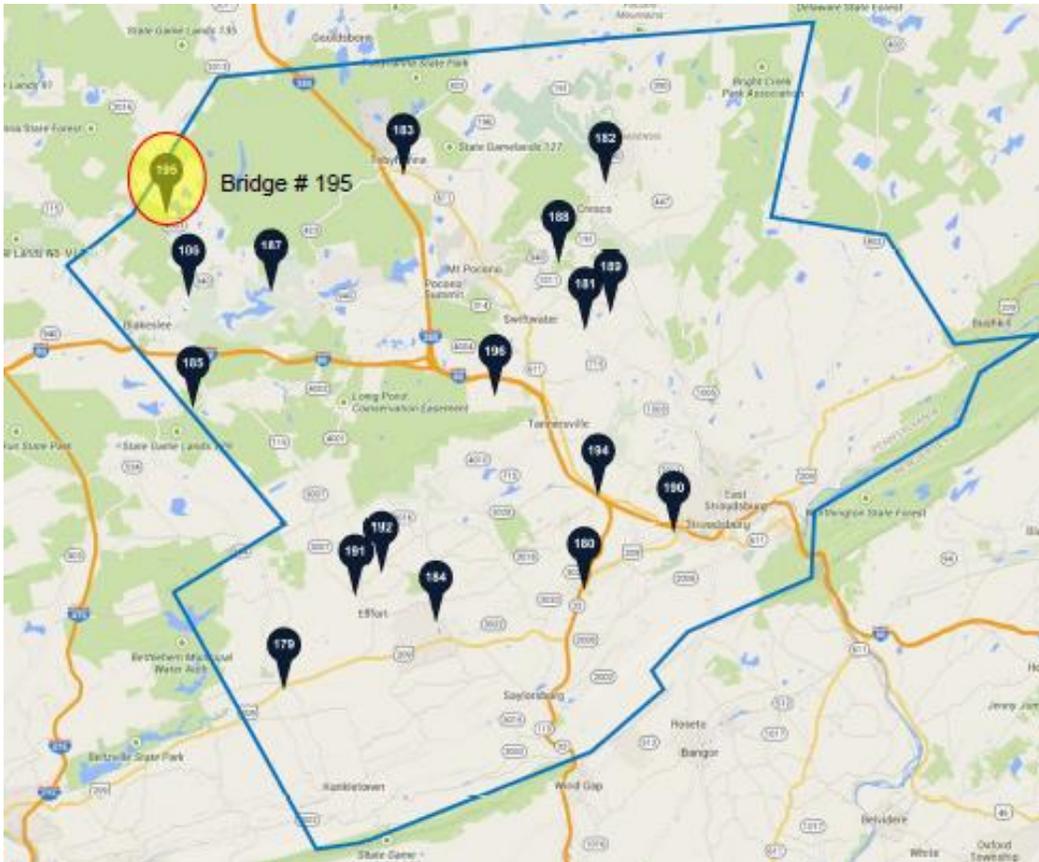
Detour route while (SR3023) Bartonsville Avenue is closed.





# Rapid Bridge Replacement Project

## 195 Location





# Rapid Bridge Replacement Project



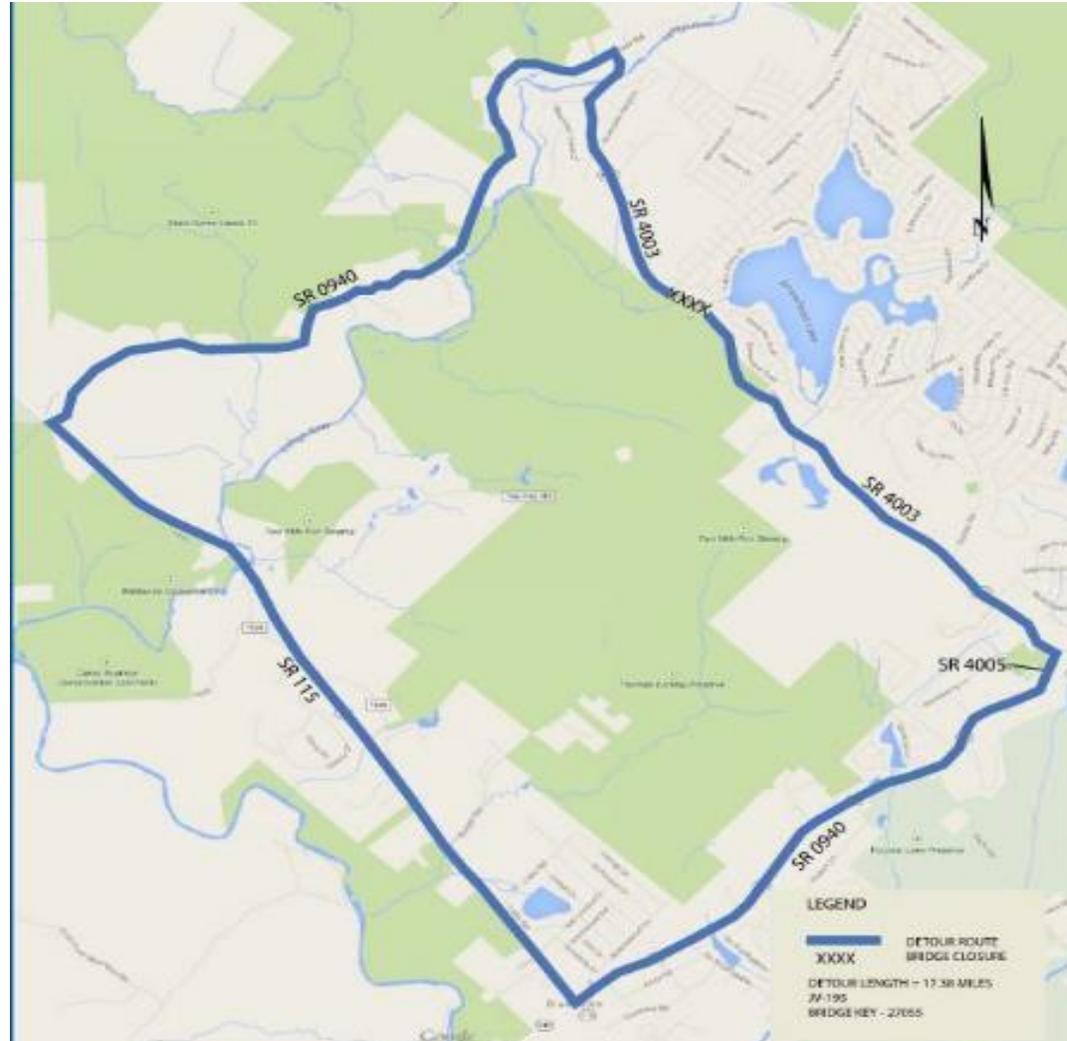
- Bridge #195
- (SR4003) Locust Ridge Road
- Crossing over Trout Creek
- Scheduled from August to November 2015.
- Detour Route



# Rapid Bridge Replacement Project



Detour route while (SR4003) Locust Ridge Road is closed.





# Rapid Bridge Replacement Project



Website:

[www.PaRapidBridges.com](http://www.PaRapidBridges.com)



Who is Plenary Walsh Keystone Partners?

What Is The PRB Replacement Project?

How Do I Bid On The PRB Replacement Project?

View The PRBR Project Outreach Calendar



# Rapid Bridge Replacement Project



## Walsh/Granite Public Information/Coordination

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