



Montgomery County Department of Transportation (DOT)
Division of Transportation Engineering

Public Meeting #2

Replacement of Park Valley Road Bridge No. MPK-03 over Sligo Creek



June 12, 2013

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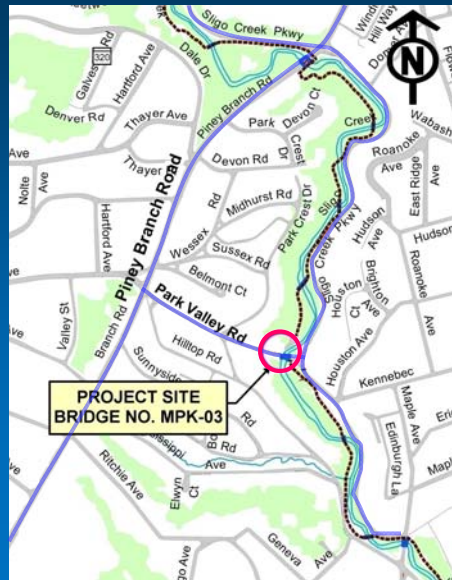
Purpose of the Meeting

- ◆ Present Modified Scope and Design Concepts
- ◆ Present Construction Phases and Traffic Maintenance
- ◆ Update Project Cost Estimates and Funding
- ◆ Update Project Schedule
- ◆ Obtain Community Feedback

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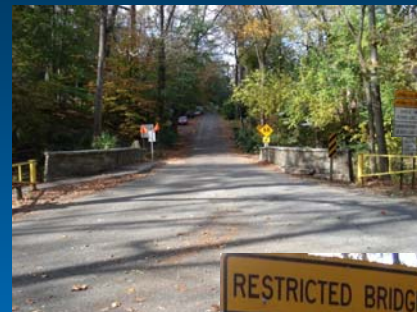
Project Location



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Existing Bridge



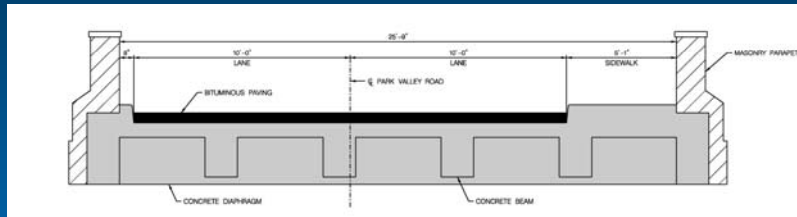
- 30-foot Span Concrete Deck/Beams with Asphalt Surface
- Stone Masonry Bridge Barriers
- Concrete Abutments/Wingwalls with Stone Masonry Façade
- Built in 1931 (81 years old)



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Existing Bridge

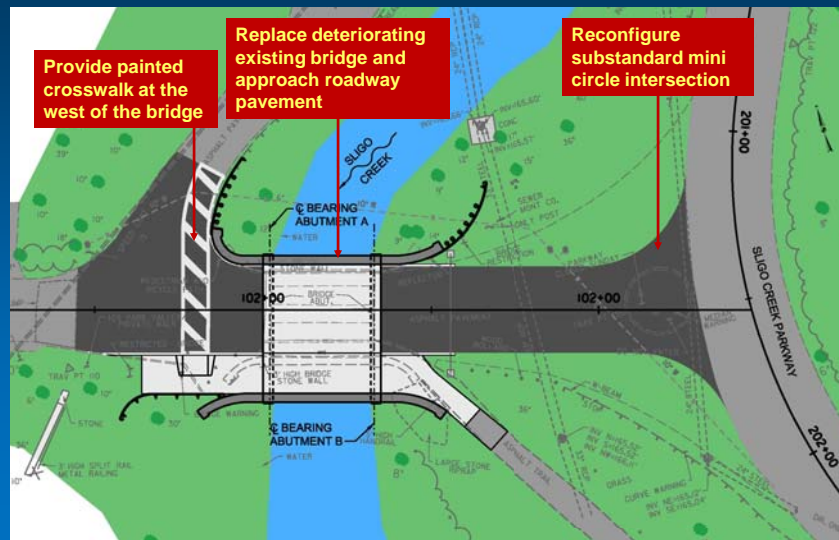


- Lane Width = Two 10 feet Lanes
- Shoulder Width = 0 feet
- Clear Roadway Width = 20 feet
- Sidewalk Width = 5 feet 1 inch

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Previous Project Scope

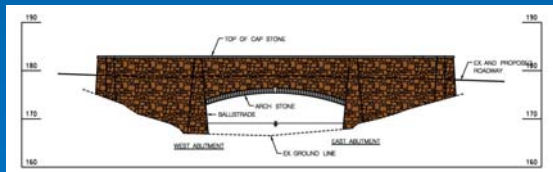
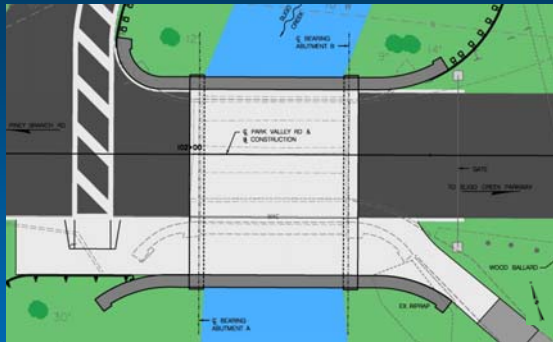


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Previous Proposed Bridge Plan & Elevation

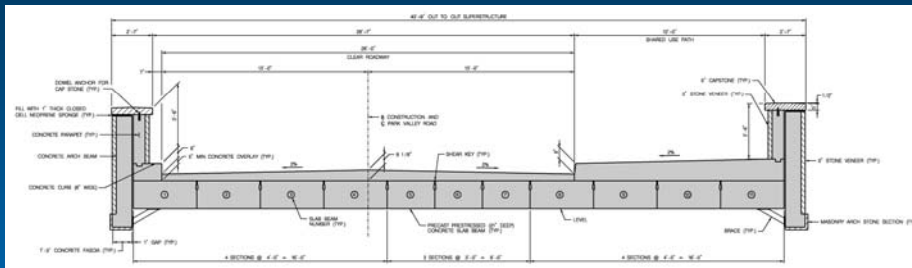
- Concrete structure with 26 feet wide roadway and 12 feet wide shared use path
- Crash tested solid concrete bridge barriers meeting FHWA safety standards
- New stone veneer on concrete bridge barriers
- New stone veneer on concrete arch beams/abutments/wingwalls
- Scour counter measures



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Previous Proposed Bridge Section



- Concrete Slab Beams with Concrete Overlay
- Concrete Bridge Barriers with Stone Veneer
- Concrete Exterior Arch Beams with Stone Veneer
- Lane Width = Two 10 feet Lanes
- Shoulder Width = 3 feet
- Clear Roadway Width = 26 feet
- Shared Use Path Width = 12 feet

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Public Comments and DOT's Responses

COMMENTS INCORPORATED:

1. Provide a separated pedestrian bridge
2. Narrow the bridge section
3. Improve the approach trail for ADA compliance
4. Community review stone veneer design plans and sample panel

COMMENTS NOT INCORPORATED:

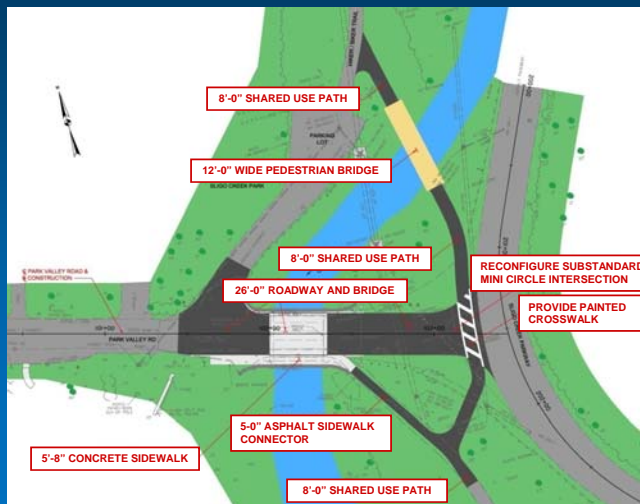
5. Reuse the existing stone masonry
6. Provide slot openings on bridge barriers
7. Provide colored exposed aggregate bridge surface

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Modified Project Scope

- Replace deteriorating existing bridge and approach roadway pavement
- Reconfigure substandard mini circle intersection
- Provide painted crosswalk at the intersection
- Install 12 feet wide pedestrian bridge
- Realign 8 feet wide hiker/biker trail
- Install 5 feet wide sidewalk connector

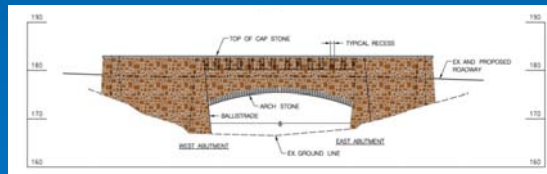


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Modified Proposed Bridge Plan & Elevation

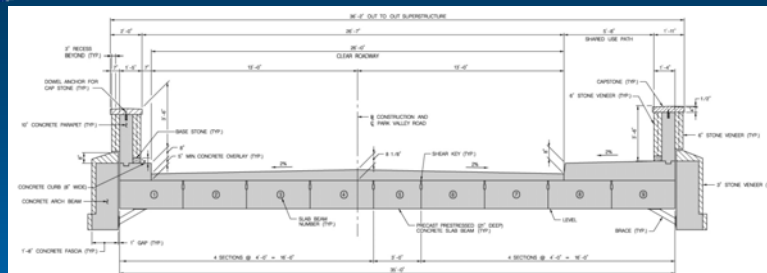
- Concrete structure with 26 feet wide roadway and 5 feet 8 inches wide sidewalk
- Crash tested solid concrete bridge barriers meeting FHWA safety standards
- New stone veneer with recess on both faces of concrete bridge barriers
- New stone veneer on concrete arch beams/abutments/wingwalls
- Scour counter measures



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Modified Proposed Bridge Section

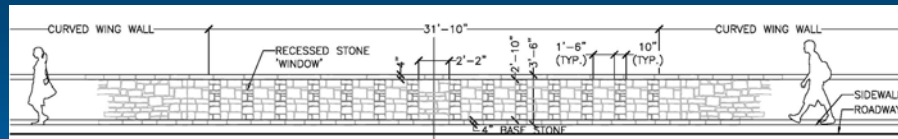


- Concrete Slab Beams with Concrete Overlay
- Concrete Bridge Barriers with Stone Veneer / Recess
- Concrete Exterior Arch Beams with Stone Veneer
- Lane Width = Two 10 feet Lanes
- Shoulder Width = 3 feet
- Clear Roadway Width = 26 feet
- Sidewalk Width = 5 feet 8 inches

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Bridge Barrier Elevation View



Proposed Bridge Barrier (Inside Elevation)



Existing Bridge Barrier (Inside Elevation)

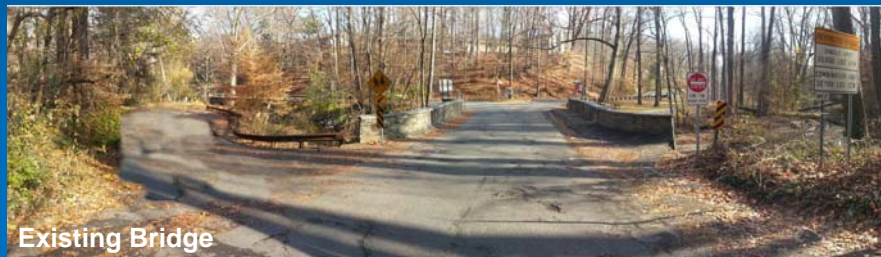
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Bridge Plan View



Proposed Bridge



Existing Bridge

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Bridge Elevation View



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Proposed Pedestrian Bridge

- Prefabricated bridge
- Steel truss
- 12 feet wide wooden deck

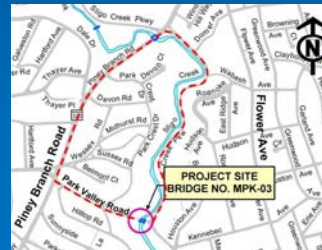


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Construction Phases/Traffic Maintenance

- ◆ **Construction Phases and Pedestrian/Bicycle Access**
 - Phase 1:** Construct intersection reconfiguration/ pedestrian bridge/trail realignment and maintain pedestrian/bicycle access thru the existing roadway bridge
 - Phase 2:** Construct roadway bridge/approach roadway and maintain pedestrian/bicycle access thru the new pedestrian bridge
- ◆ **Vehicular Traffic Detour**
 - 1.2 Miles Detour Route**
Park Valley Road – Piney Branch Road (MD 320) – Sligo Creek Parkway



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Project Cost and Funding

- ◆ **Roadway Bridge/Approach Roadway Replacement**
 - Current Estimated Total Cost = \$3.4M
 - 80% Funded by Federal Funds
 - 20% Funded by County Funds
- ◆ **Intersection Reconfiguration
Pedestrian Bridge
Trail Realignment**
 - Current Estimated Total Cost = \$750K
 - 100% Funded by County Funds

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Project Schedule

- ◆ **Preliminary Design Complete** Fall 2013
- ◆ **Final Design Complete** Summer 2014
- ◆ **Advertise for Construction** Winter 2014/15
- ◆ **Begin Construction** Spring 2015
- ◆ **End Construction** Spring 2016

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Public Input

- ◆ **Proceed with Final Design based on**
 - Comments from Agencies – FHWA, MSHA, MHT, MCDPS etc.
 - Feedback from Community – Comment Period thru July 10, 2013
 1. Tonight's Feedback
 2. By Postage Paid Public Comments Form
 3. By Mail or Email to MCDOT Project Manager

For project information, please contact

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Division of Transportation Engineering Home Page:
<http://www.montgomerycountymd.gov/DOT-DTE/index.html>

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