MOUNTAIN VIEW ROAD BRIDGE REPLACEMENT PROJECT
Tonight’s Meeting

6:15 – 6:45 pm Presentation
• Learn about the project
• Review project elements, community survey results and schedule

6:45 – 7:30 pm Open House
• View informational exhibits
• Discuss questions with project team
• Give feedback
Marin County Bridges

- 56 bridges responsible for maintaining
- Average age = 64 years (1952)
- Average Sufficiency Rating = 83.8
- Local bridge projects funded through Highway Bridge Program
Existing Structure

- Constructed in 1962
- Sufficiency Rating = 59.0
Existing Structure

- Steel supports are rusting and have experienced minor structural section loss
Existing Structure

- Erosion along the north bank and undermining of the bank protection
Existing Structure

• Bridge railings do not meet current safety standards
• Narrow bridge deck
Work Completed to Date

**Summer/Fall 2014**
- Authorization to Proceed
- Right of Entry Requests

**Early 2015**
- Caltrans Coordination
- Environmental Field Surveys
- Topographic Survey

**Late 2015**
- Hydraulic Modeling
- Preliminary Geotechnical Survey
- Community Survey
Environmental Field Surveys

Field surveys in April/May/July 2015

- Wildlife Habitat Assessment
- Vegetation Typing
- Wetland Delineation
- Rare Plant Survey
- Tree Survey
- Bat Reconnaissance
Preliminary Engineering

- Bridge width
- Bridge railing
- Creek clearance
- Construction Impacts
Bridge Width

- Input on width of lane and shoulders for bridge
  - HDM Design Standards = 32 feet
  - AAHSTO Design Standards = traveled way + 2 feet shoulders
    - Lagunitas Bridge is 21’-6”

Survey Results

- Current bridge is either too narrow (46%), or just right (54%)
- Lagunitas Bridge is just right (85%)
Bridge Railing

- Input on Style & Height
- Minimum Height for Bikes/Peds = 42”
Creek Clearance

- Input on height of bridge soffit above creek flows
  - Existing bridge provides clearance for a 10-year storm (deck elevation 223.5’)
  - County Standard = 100-year storm + 2’
  - Caltrans Standard = 100-year storm and 50-year storm + 2’

50-year storm ~ 224.4’  100-year storm ~ 225.1’
Survey Results

- Minimize construction duration – 58%
- Minimize impact to creek – 60%
- Minimize bridge closure duration – 46%
- Minimize construction costs – 29%

(Respondents who indicated this is “very important”)
Construction Impacts

- Temporary bridge closure vs. new crossing location (not feasible)
- Maintain access on south side of creek, along Mountain View Road/Corona Avenue, at all times
- Remove existing piers from creek
- Restore creek to natural conditions
- Utilize precast elements where possible to reduce construction time
- Consider extended work hours
Temporary Detour Option

Project Site

Detour
<table>
<thead>
<tr>
<th>Upcoming Milestones</th>
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<tbody>
<tr>
<td><strong>March 2016</strong></td>
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<tr>
<td>• Community Meeting</td>
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<tr>
<td><strong>Summer 2016</strong></td>
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<tr>
<td>• Preliminary Engineering</td>
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<tr>
<td><strong>Winter 2016/2017</strong></td>
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<tr>
<td>• Draft Environmental Document</td>
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<tr>
<td>• Community Meeting</td>
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<tr>
<td><strong>Spring/Summer 2017</strong></td>
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<tr>
<td>• Final Design</td>
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<tr>
<td><strong>Summer 2018</strong></td>
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<td>• Begin Construction</td>
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Open House

• View informational exhibits
• Speak with staff and technical team
• Provide input on bridge elements
  – Width
  – Railings
  – Creek clearance (height of bridge)
  – Construction (duration, work hours)