LOCAL OFFICIALS MEETING

OCEAN DRIVE (CR 621) UPGRAGES AND BRIDGE IMPROVEMENTS
LOCAL CONCEPT DEVELOPMENT STUDY

SOUTH JERSEY TRANSPORTATION PLANNING ORGANIZATION
CAPE MAY COUNTY
AGENDA

• Welcome and Introductions
• Project Overview
• The Concept Development Process
• Next Steps
PROJECT TEAM MEMBERS

SJTPO
Jennifer Marandino, P.E. – SJTPO Executive Director

Cape May County
Dale Foster, P.E. – Cape May County Project Manager

NJDOT
David Cihocki – NJDOT District 4 Local Aid Project Manager
Jim Sweet – NJDOT Environmental Project Manager

Cape May County Bridge Commission
Karen Coughlin – Executive Director of the Bridge Commission

Michael Baker International Team
Maher (Mike) Sidani, P.E., PMP – Baker Project Manager
James Yeager, P.E., PTP – Baker Deputy Project Manager
Joseph Romano, P.E. – Baker Structural Engineering Lead
Martin Wade, P.E. – Baker Project Engineer
Miguel Santiago, P.E. – WSP Project Engineer
Debbie Hartman, P.E. – WSP Outreach Coordinator
Steven Balzano – WSP Environmental Documentation
Churchill Consulting Engineers – Survey
Richard Grubb & Assoc. – Cultural Resources
PROJECT LOCATION – TWO MILE BRIDGE
# Project Delivery Process

<table>
<thead>
<tr>
<th>Local Concept Development</th>
<th>Local Preliminary Engineering</th>
<th>Final Design/ Right of Way Acquisition</th>
<th>Construction</th>
</tr>
</thead>
<tbody>
<tr>
<td>Purpose and Need Statement</td>
<td>Approved Design Exception Report</td>
<td>Construction Contract Documents, and Plans, Specs. &amp; Estimates</td>
<td>Completed Construction</td>
</tr>
<tr>
<td>Data Collection and Environmental Screening Report</td>
<td>Cost Estimates (Final Design, Right of Way &amp; Construction)</td>
<td>Environmental Reevaluations</td>
<td>As-Built</td>
</tr>
<tr>
<td>Selection of Preliminary Preferred Alternative (PPA)</td>
<td>Approved Environmental Document</td>
<td>Environmental Permits</td>
<td>Update and Finalize Design Communications Report</td>
</tr>
<tr>
<td>National Environmental Policy Act Classification</td>
<td>Approved Project Plan</td>
<td>Acquisition of Right of Way</td>
<td>Close-out Documentation</td>
</tr>
<tr>
<td>Concept Development Report</td>
<td>Preliminary Engineering Report</td>
<td>Update Design Communications Report</td>
<td></td>
</tr>
<tr>
<td>Create Design Communications Report</td>
<td>Update Design Communications Report</td>
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</tr>
</tbody>
</table>

**Michael Baker International**
LOCAL CONCEPT DEVELOPMENT PHASE

1. **Data Collection – Fall 2017**


3. **Develop Alternatives – Spring 2018**

4. **Analyze Alternatives – Summer 2018**

5. **Select PPA, Develop Plans, Documentation – Fall 2018**

- Conduct Data Collection
- Identify Right of Way
- Identify Stakeholders
- Develop Public Involvement Action Plan
LOCAL CONCEPT DEVELOPMENT PHASE

1. Data Collection – Fall 2017


3. Develop Alternatives – Spring 2018

4. Analyze Alternatives – Summer 2018

5. Select PPA, Develop Plans, Documentation – Fall 2018

- Evaluate Deficiencies
  - Utilities
  - Geotechnical
  - Stormwater Management
  - Traffic - Marine and Vehicular
  - Structural
  - Identify Substandard Design Elements

- Identify Resources
  - Environmental Screenings
  - Constraints Mapping

- Existing Conditions Documentation
- Local Officials Meeting
- Stakeholder Coordination Meeting
- Public Information Center
- Purpose and Need Statement
LOCAL CONCEPT DEVELOPMENT PHASE

1. Data Collection – Fall 2017


3. Develop Alternatives – Spring 2018

4. Analyze Alternatives – Summer 2018

5. Select PPA, Develop Plans, Documentation – Fall 2018

• Development of Alternatives
LOCAL CONCEPT DEVELOPMENT PHASE

1. Data Collection – Fall 2017


3. Develop Alternatives – Spring 2018

4. Analyze Alternatives – Summer 2018

5. Select PPA, Develop Plans, Documentation – Fall 2018

- Alternatives Analysis & Documentation
- Local Officials Meeting
- Stakeholder Coordination Meeting
- Public Information Center
- Inter-Agency Review Committee Meeting
LOCAL CONCEPT DEVELOPMENT PHASE

1. Data Collection – Fall 2017


3. Develop Alternatives – Spring 2018

4. Analyze Alternatives – Summer 2018

5. Select PPA, Develop Plans, Documentation – Fall 2018

- Select Preliminary Preferred Alternative
- Preliminary Preferred Alternative Cost Estimate
- Local Officials Meeting
- Stakeholder Coordination Meeting
- Public Information Center
- Obtain Resolutions of Support
- Concept Development Report
DATA COLLECTION EFFORTS

- Project Mapping
  - Zoning
  - Tax
  - Soil
  - Flood Control
- Utilities
- Geodetic Surveys
- Bridge Evaluation Report
- Substandard Elements
- Americans with Disabilities Act (ADA) and Complete Streets
- Crash Data
- Traffic Data
- Bridge Operator’s Logs
ENVIRONMENTAL PROCESS

• Environmental Screening

• NEPA Classification and Documentation

• Potential Environmental Agency Coordination
  • US Army Corps of Engineers Regulatory Program Philadelphia District
  • NJ Department of Environmental Protection including:
    • Division of Land Use Regulation
    • Division of Fish and Wildlife Endangered and Nongame Species Program
    • State Historic Preservation Office.
  • National Oceanic and Atmospheric Administration National Marine Fisheries Service
  • US Fish and Wildlife Service NJ Field Office and Cape May Wildlife Refuge
  • US Coast Guard Bridge Program District 5
  • US Environmental Protection Agency
Bridge Information

Three Bridges over Mill Creek, Upper Thorofare and Middle Thorofare. All were originally constructed in 1939.

<table>
<thead>
<tr>
<th>Condition</th>
<th>Mill Creek</th>
<th>Upper Thorofare</th>
<th>Middle Thorofare</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bridge Sufficiency</td>
<td>47.3 (Functionally Obsolete)</td>
<td>34 (Structurally Deficient)</td>
<td>7 (Structurally Deficient)</td>
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<tr>
<td>Deck</td>
<td>5 (Fair)</td>
<td>5 (Fair)</td>
<td>6 (Satisfactory)</td>
</tr>
<tr>
<td>Superstructure</td>
<td>5 (Fair)</td>
<td>5 (Fair)</td>
<td>4 (Poor)</td>
</tr>
<tr>
<td>Substructure</td>
<td>5 (Fair)</td>
<td>4 (Poor)</td>
<td>4 (Poor)</td>
</tr>
<tr>
<td>Inspection Year</td>
<td>2016</td>
<td>2016</td>
<td>2015</td>
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PUBLIC OUTREACH

Goals:
• Effective and broad engagement
• Meaningful public involvement
• Resolutions of Support
GOALS

The Public Outreach Approach is ITERATIVE

Present initial concepts → Stakeholder feedback → Concept refinement
**Next Steps**

Local Officials Meeting 2, Community Stakeholders Meeting 1, and Public Information Center 1
*Existing Conditions and Purpose and Need*
Winter 2017-2018

Local Officials Meeting 3, Community Stakeholders Meeting 2, Public Information Center 2
*Alternatives Evaluation*
Summer 2018

Final Local Officials Meeting, Final Community Stakeholders Meeting, Final Public Information Center
*Presentation of Preliminary Preferred Alternative*
Fall 2018

Resolution Of Support Will Be Requested From:
City of Cape May, Lower Township, Borough of Wildwood Crest,
City of Wildwood and Cape May County