

US 113 (Phase 4)

From North of MD 365 to North of
Five Mile Branch

Design-Build Project

Contract No. WO6355170

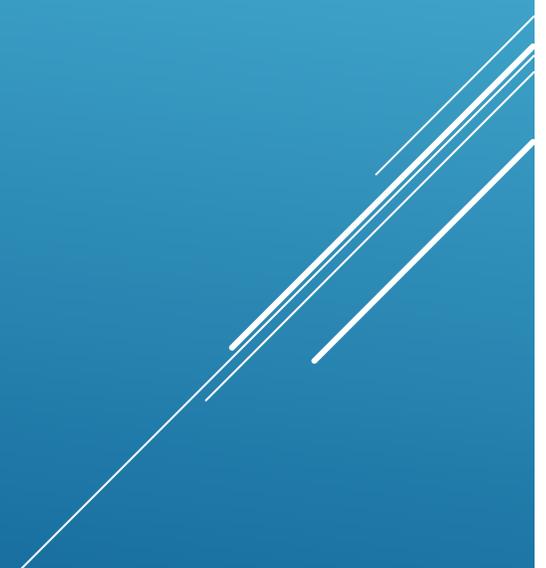
Industry Informational Meeting

April 13, 2016



PRESENTATION OVERVIEW

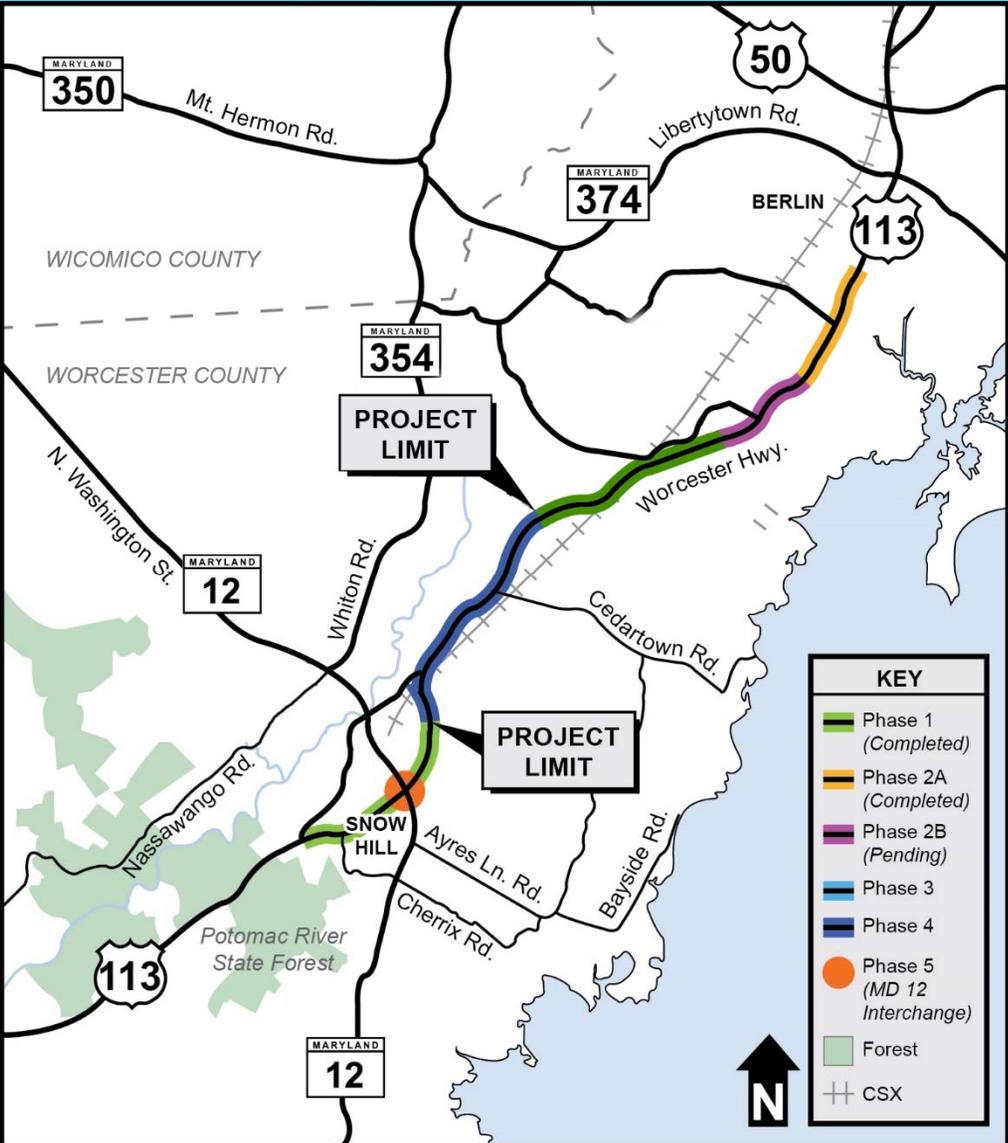
- Project Overview
 - Project Location
 - Project History
 - Project Description
 - Project Goals
- Procurement Overview
 - Step 1
 - Step 2
 - Procurement Schedule



PROJECT OVERVIEW

- Project Location
 - Worcester County
 - US 113 Phase 4 Project Limits
 - North of MD 365 (Phase 1) to North of Five Mile Branch (Phase 3)
 - Total Mileage +/- 4.6 miles
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LOCATION MAP



PROJECT HISTORY

- Final Environmental Impact Study (FEIS) for US 113 Snow Hill to Delaware State Line – Southern Study Area was approved in 1998
 - The purpose of the US 113 Planning Study was to improve vehicle safety conditions and traffic operations along US 113.
 - The Southern Study Area had a higher number of fatal accidents than the statewide average for similar two-lane rural highways in Maryland.
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PROJECT HISTORY

- Project development was phased due to funding constraints:
 - Phase 1 - From Market Street to North of MD 365 - COMPLETE
 - Phase 2A - Hayes Landing Road to North of Goody Hill Road - COMPLETE
 - Phase 2B - North of Goody Hill Road to South of Massey Branch - COMPLETE
 - Phase 3 - North of Massey Branch to Five Mile Branch Road - UNDERCONSTRUCTION
 - Phase 4 - North of MD 365 to North of Five Mile Branch Road

PROJECT DESCRIPTION

- Proposed roadway will be a 4-Lane Divided Highway
 - 2 – 12' Lanes in each direction
 - 4' inside and 10' outside paved shoulders in each direction
 - Generally a 34' open section median w/ traffic barrier. Reduced median width at specific locations to reduce Environmental impacts
 - Partial acceleration/deceleration lanes at intersections
 - Intersections will eliminate through movements and unprotected left turns from side streets – proposed “J-Turns” and Maryland “T” intersections

PROJECT DESCRIPTION

- Structures
 - New Bridge over Purnell Branch
 - Small Structures – Box and Pipe Culverts
- Pavement
 - New roadway
 - Existing roadway – Rehabilitation
- Environmental Impacts/Issues
 - Impacts to Wetlands, Streams, and Forest
 - Bald Cypress Swamp – rare swamp area
 - Sea Level Rise
 - In stream restriction – March 1 thru June 15
 - Forest Inland Dwelling Creatures (FIDS) Restrictions
No forest clearing in breeding season of May-August
- Traffic – Signing, Marking, Signal and Lighting
- Stormwater Management – Water Quality and Water Quantity

PROJECT DESCRIPTION

- Permits
 - Stormwater Management/Erosion & Sediment Control – Acquired by Design–Builder and issued by SHA through MDE delegated authority
 - Joint MDE/COE Permit – Acquired by SHA and modifications by Design–Builder
 - Reforestation – Acquired by SHA and modifications by Design–Builder
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PROJECT DESCRIPTION

- Right of Way
 - Right-of-way from North of MD 365 (Phase 1) to approximately US 113 Business previously acquired
 - Remainder of Acquisition to be completed by SHA and phased (Anticipated clearance June–August 2017)
 - Approximately 5 Total Takes and Approximately 77 Parcels / 97 Acres of Strip Takes
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PROJECT DESCRIPTION

- Utility Coordination
 - Choptank Electric
 - Delmarva Power
 - Verizon
 - Comcast
 - Maryland Broadband Cooperative
 - Inclusion of Maryland Broadband Relocations in Contract is under consideration
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PROJECT DESCRIPTION

- MD-DE Railroad Coordination for At-Grade Railroad Crossing of US 113
 - MD-DE Railroad will need to take this line out of service in order to allow new expanded crossing to be constructed
 - MD-DE Railroad is willing to allow flexibility in the scheduling of this outage if Design-Builder minimizes the duration of the outage
 - Line must be open no later than November 1, 2017

PROJECT GOALS

- **Schedule** – Minimize the outage of the MD-DE Railroad line and total days of project construction
 - **Safety** – Safe roadway during and after construction
 - **Mobility** – Minimize delay for all roadway users
 - **Environment** – No Impacts to FIDS and Reduce Impacts to Environmental Resources
 - **Maintenance** – facility that is able to be adequately maintained.
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PROCUREMENT OVERVIEW

- Project Classification “J” – \$50,000,001 to \$75,000,000
 - Competitive Sealed Proposals (COMAR 21.05.03)
 - Lowest Responsive Price
 - Two –Step Procurement Process
 - Step 1 – Technical Proposal
 - Step 2 – Price Proposal
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STEP 1- TECHNICAL PROPOSAL

- Objective is to establish a Reduced Candidate List (RCL) of the Most Highly Qualified Proposers.

STEP 1 – TECHNICAL PROPOSAL

- Evaluations Factors
 - Lead Design Firm Experience, Qualifications, and Past Performance
 - Lead Construction Firm Experience, Qualifications, and Past Performance
 - Project Understanding and Design–Build Approach
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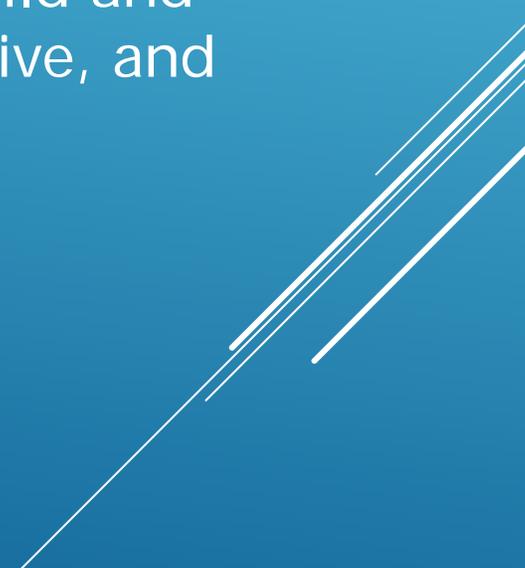
STEP 1 – TECHNICAL PROPOSAL

- Lead Design Firm Experience, Qualifications, and Past Performance
 - Key Staff (at a minimum)
 - Project Design Manager
 - Highway Engineer
 - Water Resources Engineer
 - Structural Engineer
 - Project Past Performance
 - Description of 3 relevant projects that demonstrate ability to be successful on this project. Must have been Prime Engineer.

STEP 1 – TECHNICAL PROPOSAL

- Lead Construction Firm Experience, Qualifications, and Past Performance
 - Key Staff (at a minimum)
 - Design-Build Manager
 - Construction Manager
 - Project Past Performance
 - Description of 3 relevant projects that demonstrate ability to be successful on this project. Must have been Prime or JV Contractor.
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STEP 1 – TECHNICAL PROPOSAL

- Project Understanding and Design-Build Approach
 - Understanding of the project scope, goals, and risks
 - Proposer's approach to Design-Build and building a professional, collaborative, and integrated team
 - Organizational chart
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STEP 1 – TECHNICAL PROPOSAL

- Evaluations
 - Separate Evaluation Teams for a specific factor or factors
 - Evaluation Committee recommends RCL
 - Selection Committee approves RCL
 - Adjectival Rating Process
 - Relative Importance of factors – Critical, Significant, Important
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STEP 1 – TECHNICAL PROPOSAL

- Once Technical Proposal evaluations are completed, a reduced candidate list (RCL) will be developed of the most highly qualified Proposers.
 - Those DB Teams who have made the RCL will be invited to submit Price Proposals.
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STEP 2- PRICE PROPOSAL

- One on One Meetings
 - CONFIDENTIAL
 - Proposers may
 - Ask Questions related to the RFP (Proprietary or Clarifications)
 - Identify Concerns/Conflicts in RFP
 - Discuss solutions to address project goals
 - Present Potential ATCs
 - Agenda is set by Proposer +/- 1 week prior

STEP 2- PRICE PROPOSAL

- Alternative Technical Concepts
 - CONFIDENTIAL
 - Pre-approval of alternatives to RFP requirements
 - Confirm Design-Builder solutions meet or exceed RFP requirements
 - “Practical” Design solutions to advance project goals without compromising safety
 - Approval of ATC alternative will be for proposer only.
 - Must demonstrate that the ATC will meet/exceed/advance the project goals and/or be equal to or better than RFP requirements
 - One-on-One Meetings for ATC may be requested

STEP 2- PRICE PROPOSAL

- The price shall be on a lump sum basis, and shall include all engineering, design, research investigation, construction, labor, equipment and materials, and all incidentals necessary to complete the design and construction of this project.
- The Proposer will also provided their duration for the outage of the MD-DE Railroad line and the completion date for the project

STEP 2- PRICE PROPOSAL

- The price will then be adjusted based on the total number of days for the duration of the outage of the MD-DE Railroad line and total days of project construction, each multiplied by the loss of public benefit for each situation to determine the Evaluated Price
- The contract will be awarded to the Proposer from the Reduced Candidate List that submits the lowest Evaluated Price Proposal.

Proposed Procurement Schedule – Step 1

Advertise Request for Proposals (RFP)	May 31, 2016
Final Date for Receipt of Proposer's Technical Proposal Questions	June 23, 2016
Letter of Interest	June 23, 2016
Submit Technical Proposal	July 7, 2016
Notify Reduced Candidate List (RCL)	July 28, 2016

Proposed Procurement Schedule – Step 2

One-on-One Meetings	August 17-18, 2016
One-on-One Meetings	September 21-22, 2016
Last Day to Submit ATCs	October 5, 2016
Last Day for Questions	October 27, 2016
Submit Price Proposals	November 10, 2016
Selection of Successful Team	December 2016
Notice to Proceed (Anticipated)	January 2017

Information related to this presentation will be available at the following: www.roads.maryland.gov under Business Center, Contracts, Bids & Proposals, Design-Build Projects.

Email: WO6355170_US_113@sha.state.md.us

Statement of Qualifications and Technical Proposals from previous projects are available at the following: www.roads.maryland.gov under Business Center, Contracts, Bids & Proposals, Design-Build Projects.

QUESTIONS?

