

Project Delivery Process

PHASES	Project Delivery Process		
	Scoping	Final Design / Right of Way Acquisition	Construction
MAJOR TASKS	Purpose and Need Statement	Environmental Reevaluations	Complete Construction
	Data Collection & Environmental Screening	Environmental Permits	As-Built
	Prepare Environmental Studies	Acquisition of ROW	Close-Out Documentation
	Alternative Analysis / Evaluation	Construction Contract Documents and PS&E Package	
	Approved Environmental Document		
	Cost Estimate (Final Design, ROW and Construction)		

MONMOUTH COUNTY BRIDGES W-7, W-8 AND W-9 BOROUGHES OF BRIELLE AND MANASQUAN

PROJECT PURPOSE AND NEED STAKEHOLDER MEETING APRIL 21, 2016

PROJECT PURPOSE AND NEED *(DEFINITION)*

- PROJECT PURPOSE IDENTIFIES THE INTENT OF THE PROJECT UNDERTAKING
- PROJECT NEEDS IDENTIFY SPECIFIC DEFICIENCIES AND CRITICAL CONCERNS TO BE ADDRESSED BY THE PROJECT
- PROJECTS TYPICALLY ALSO HAVE GOALS AND OBJECTIVES THAT ARE STRIVED FOR AS PART OF THE PROJECT; NOT ALL MAY BE ACHIEVED BY THE FINAL SELECTED ALTERNATIVE

PROJECT PURPOSE

THE PURPOSE OF THE PROJECT IS TO PROVIDE SAFE AND EFFICIENT CROSSING FOR ALL MODES OF TRAVEL WITHIN THE PROJECT LIMITS BY ADDRESSING THE GEOMETRIC, STRUCTURAL AND OPERATIONAL AND MAINTENANCE DEFICIENCIES OF BRIDGE W-7 (GREEN AVENUE OVER DEBBIE'S CREEK), STRUCTURE W-8 (FISK AVENUE CULVERT), AND BRIDGE W-9 (BRIELLE ROAD OVER THE GLIMMER GLASS).

PROJECT NEED

- BRIDGE NEED (LOAD CAPACITY INCLUDING EMERGENCY VEHICLES, VERTICAL CLEARANCE, BRIDGE WIDTH)
- ROADWAY NEEDS (LANE AND SHOULDER WIDTHS, CROSS SLOPES)
- SYSTEM LINKAGE (ROADWAY NETWORK, EMERGENCY RESPONSE, COASTAL EVACUATION, MARINE)
- PEDESTRIAN AND BICYCLE COMPATIBILITY

PROJECT GOALS AND OBJECTIVES

- PROVIDE ADA COMPLIANT PEDESTRIAN FACILITIES AND CROSSINGS WITH CONNECTIVITY
- REDUCE SAFETY RISKS FOR ALL USERS
- REDUCE FREQUENCY OF MAJOR BRIDGE MAINTENANCE ACTIVITIES
- MAINTAIN TRAFFIC WITH MINIMUM DISRUPTION DURING CONSTRUCTION
- AVOID OR MINIMIZE SOCIAL, ECONOMIC AND ENVIRONMENTAL IMPACTS
- AVOID, MINIMIZE AND, IF NECESSARY, MITIGATE ADVERSE EFFECTS ON THE NATIONAL AND NJ REGISTER OF HISTORIC PLACES LISTED BRIDGE W-9
- INCORPORATE CONTEXT SENSITIVE SOLUTIONS APPROACH INTO THE DESIGN



MONMOUTH COUNTY BRIDGES W-7, W-8 AND W-9 BOROUGH OF BRIELLE AND MANASQUAN

W-7 (GREEN AVE.)



BRIDGE W-7 GREEN AVENUE OVER DEBBIE'S CREEK

KEY NOTES:

CONSTRUCTED 1944

120' LONG FIXED (7 SPAN) TIMBER BRIDGE

ROADWAY WIDTH 21.7'

2.9' WIDE SIDEWALK

10" FORCE SEWER MAIN

CONCERNS:

NARROW BRIDGE ROADWAY WIDTH (21.7')

SUBSTANDARD LIVE LOAD CAPACITY

SUBSTANDARD RAILINGS

2013 NBIS REPORT SUFFICIENCY RATING OF 18.7



BRIDGE W-7 (THE GLIMMER GLASS SIDE)
LOOKING WEST



BRIDGE W-7 (DEBBIE'S CREEK SIDE)
LOOKING SOUTHEAST



BRIDGE W-7
LOOKING SOUTH



BRIDGE W-7
LOOKING NORTH TOWARDS FISK AVENUE



BRIDGE W-7 APPROACH (GREEN AVE. NB)
LOOKING NORTH



BRIDGE W-7 APPROACH (GREEN AVE. SB)
LOOKING SOUTH

PHOTOS TAKEN: MARCH 2016

MONMOUTH COUNTY BRIDGES W-7, W-8 AND W-9 BOROUGH OF BRIELLE AND MANASQUAN

W-8 (FISK AVE.)



STRUCTURE W-8 FISK AVENUE CULVERT BETWEEN DEBBIE'S CREEK AND THE GLIMMER GLASS

KEY NOTES:

CONSTRUCTED 1946

80" x 80" FLAT BOTTOM REINFORCED CONCRETE PIPE STRUCTURE

34.8' CURB TO CURB WIDTH

6' WIDE SIDEWALK

CONCERNS:

CULVERT SUBMERGED & PARTIALLY SILTED

DETERIORATED STEEL SHEETING RETAINING WALLS AND CULVERT PIPE



STRUCTURE W-8 (THE GLIMMER GLASS SIDE)
LOOKING SOUTHEAST



STRUCTURE W-8 (DEBBIE'S CREEK SIDE)
LOOKING NORTHEAST



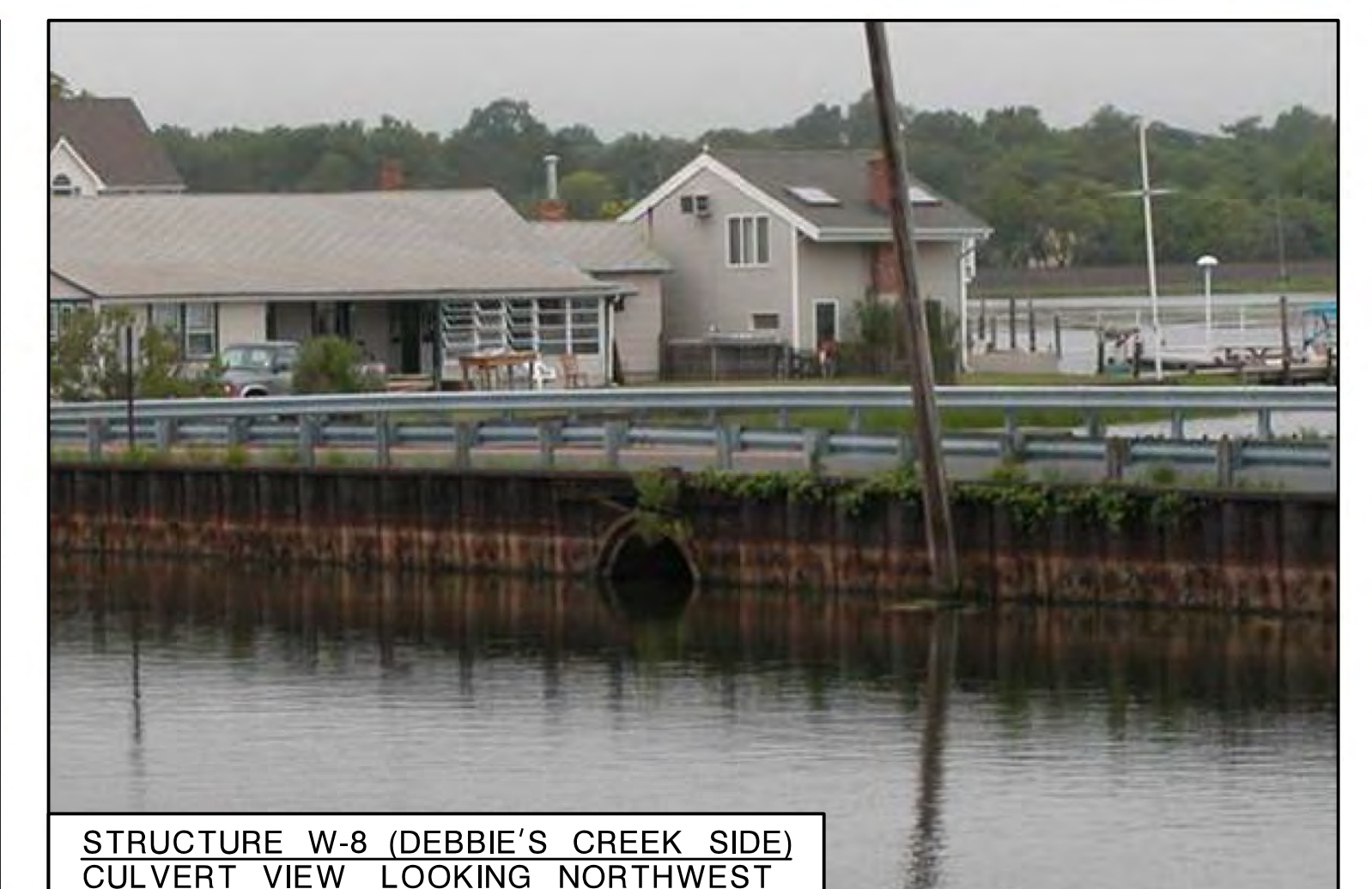
STRUCTURE W-8 - FISK AVENUE WESTBOUND
LOOKING WEST



STRUCTURE W-8 - FISK AVENUE EASTBOUND
LOOKING EAST



STRUCTURE W-8 (DEBBIE'S CREEK SIDE)
LOOKING NORTH



STRUCTURE W-8 (DEBBIE'S CREEK SIDE)
CULVERT VIEW LOOKING NORTHWEST

PHOTOS TAKEN: MARCH 2016

MONMOUTH COUNTY BRIDGES W-7, W-8 AND W-9 BOROUGH OF BRIELLE AND MANASQUAN

W-9 (BRIELLE RD.)



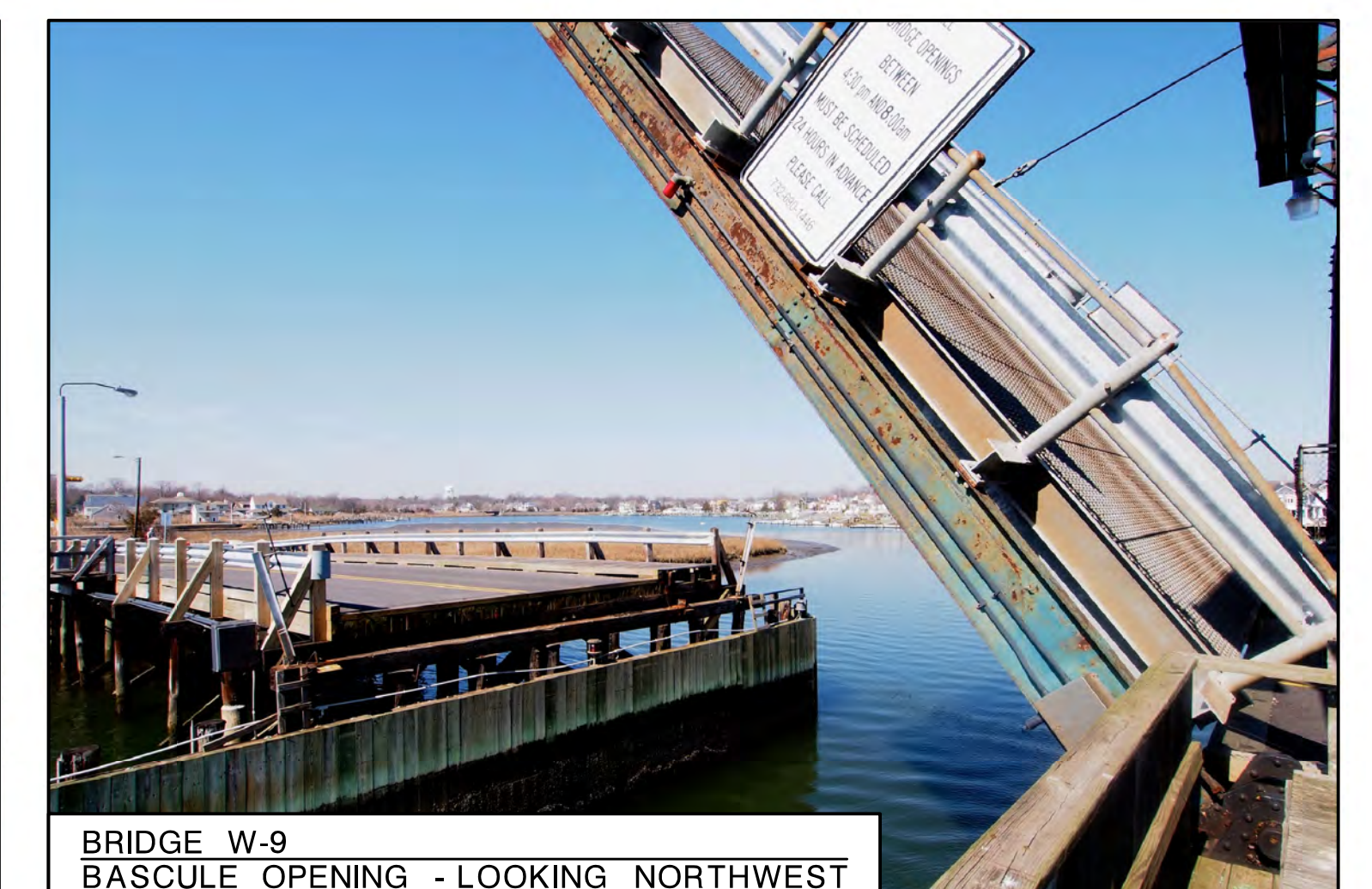
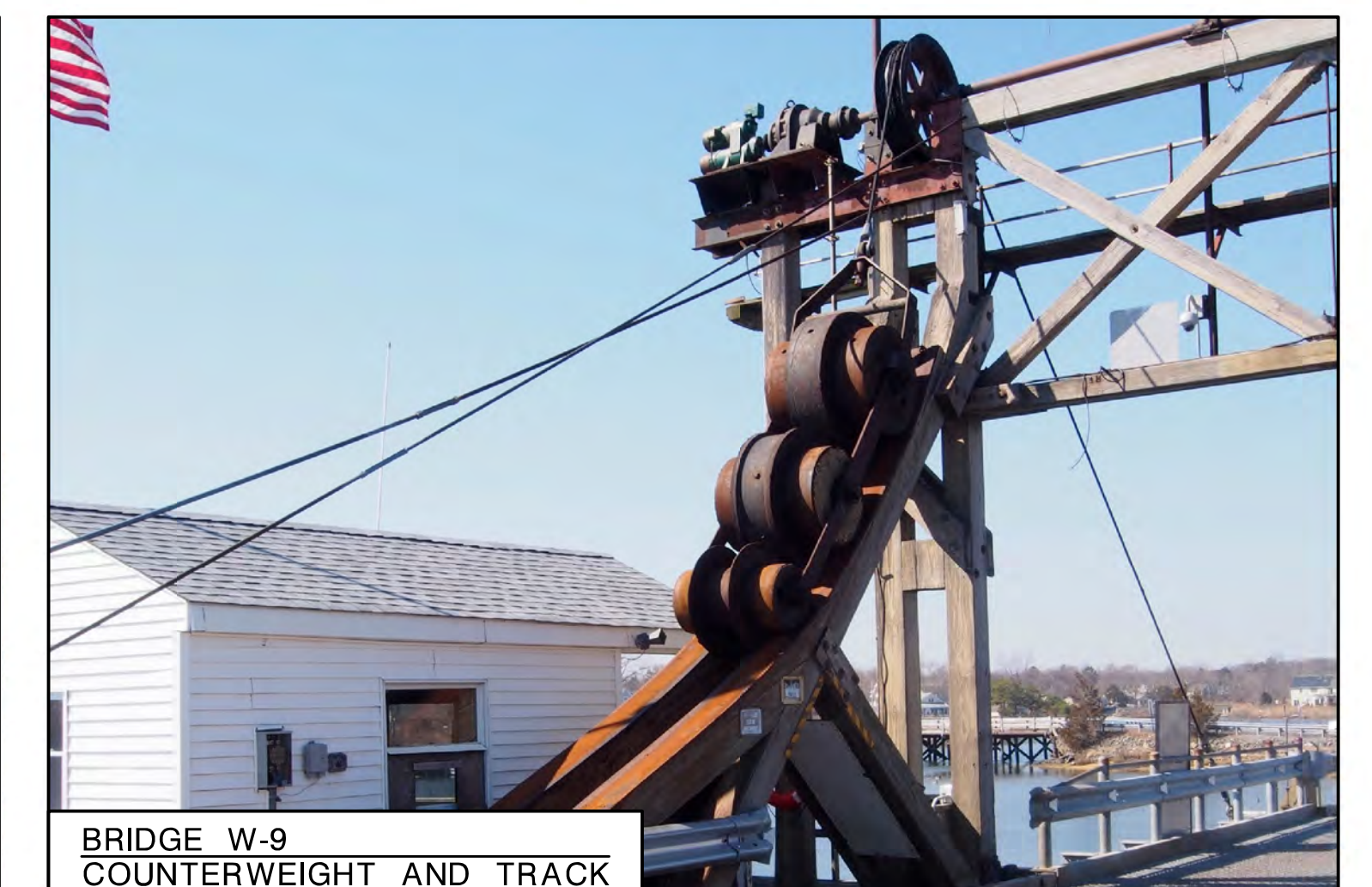
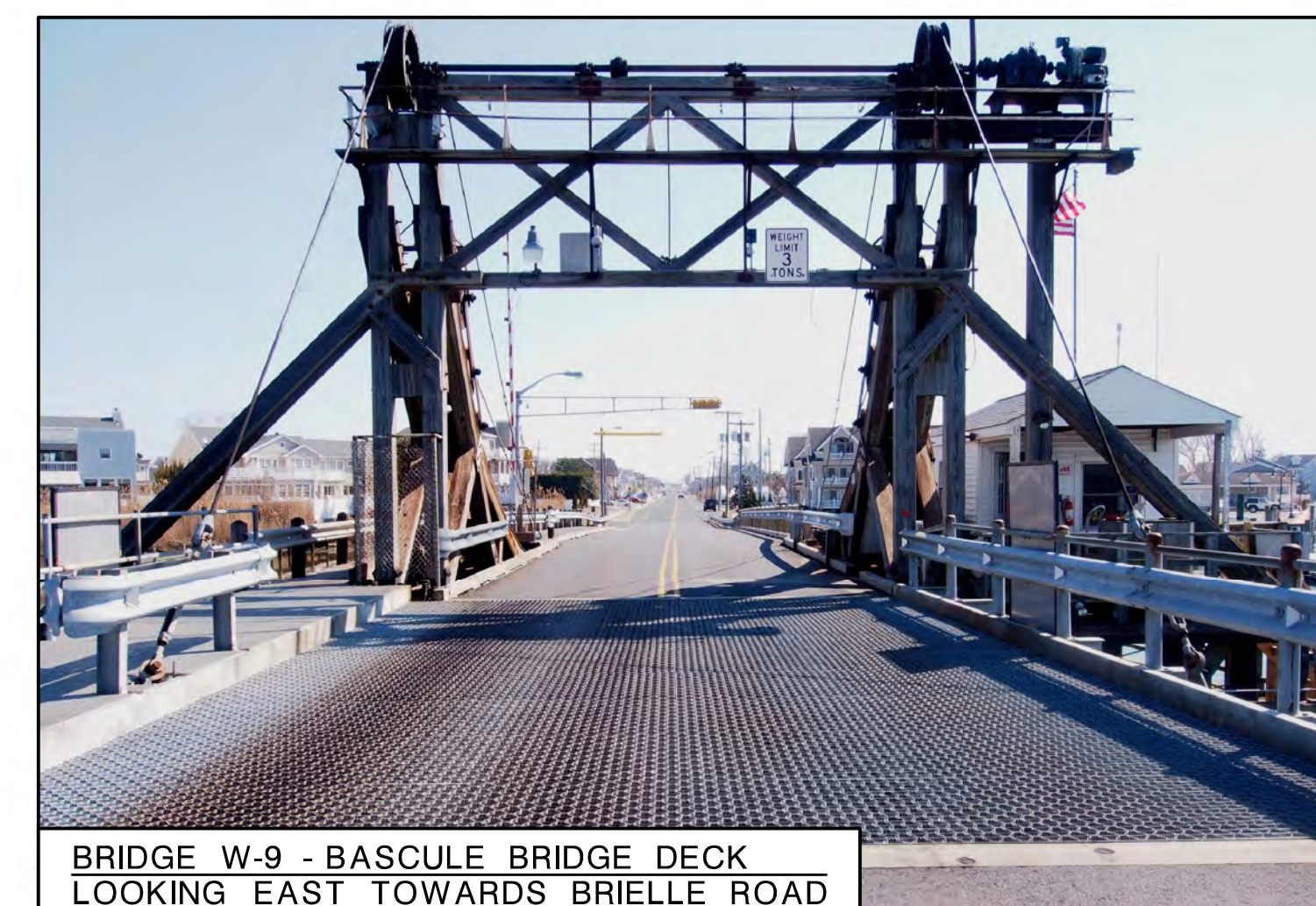
BRIDGE W-9 BRIELLE ROAD OVER THE GLIMMER GLASS

KEY NOTES:

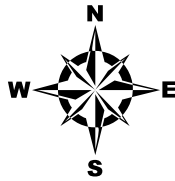
- 1889 - 590' LONG FIXED TIMBER TRESTLE BRIDGE
- 1938 - BASCULE MOVABLE SPAN INSERTED
- 1950 - MAJOR RECONSTRUCTION & REDUCED TO 279' LENGTH
- 2008 - NJ & NATIONAL REGISTERS OF HISTORIC PLACES
- 2014 - EMERGENCY INTERIM REPAIRS TO TIMBER APPROACH SPANS & PILES

CONCERNS:

- NARROW BRIDGE ROADWAY WIDTH (20' & VARIES)
- SUBSTANDARD LIVE LOAD CAPACITY
- SUBSTANDARD RAILINGS
- SUBSTANDARD VERTICAL CLEARANCE
- SUBSTANDARD AND NON-REDUNDANT MECHANICAL AND ELECTRICAL SYSTEMS
- 2013 NBIS REPORT SUFFICIENCY RATING OF 2.0



PHOTOS TAKEN: MARCH 2016



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Legend

Project Limits

Municipal Boundary

2012 NJDEP Mapped Freshwater Wetlands

Water Bodies

Known Contaminated Sites

Historic Sites

Coastal Evacuation Route

Land Use: Residential/Sensitive Receptors

Land Use: Brush/Shrubland

Green Acres/Conservation Area

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Shellfish harvesting suspended

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Shellfish harvesting restrictions

Anticipated Environmental Constraints

- Historic Sites/Districts and Green Acres parcels in proximity to the project area.
- Areas of groundwater contamination, chromate sites and other known contaminated sites. Contaminated properties are delineated.
- 2012 NJDEP Mapped Freshwater Wetlands adjacent to the project area.
- Shellfish beds throughout project area.
- Entire area in CAFRA Zone.

Historic Sites

- A. New York and Long Branch Railroad Historic District
- B. 329 Fisk Avenue
- C. Brielle Road Bridge over the Glimmer Glass

State/Green Acres Properties

- 1. Fisherman's Cove Conservation Area
- 2. Block 36, Lots 26.01 & 27

Monmouth County
Figure 11

Bridges W-7, W-8 and W-9
Boroughs of Manasquan and Brielle

April 2016

STAKEHOLDER MEETING: APRIL 21, 2016