

RECONSTRUCTION OF MONMOUTH COUNTY BRIDGE W-38 SCHOOLHOUSE ROAD OVER SHARK RIVER

Presented by:

**Joseph M. Ettore, P.E., Monmouth County Engineer
& Jessica Kubida, Environmental Specialist**

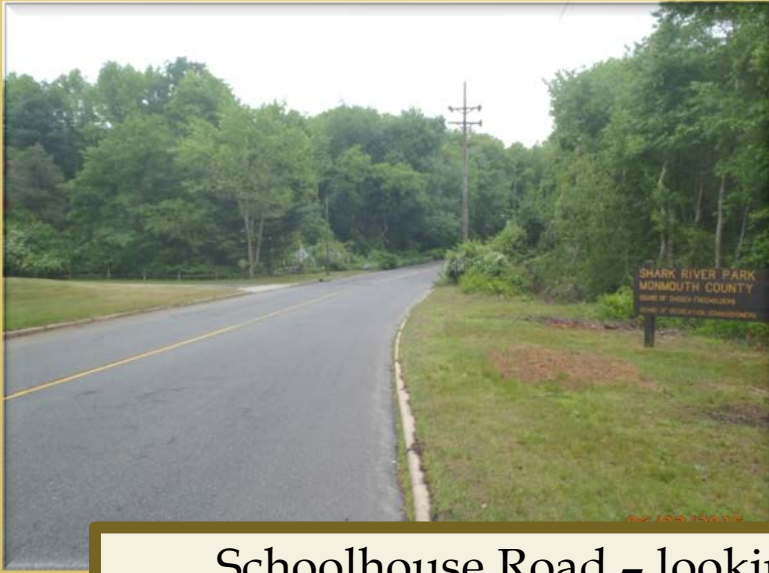
Replacement of Monmouth County Bridge W-38 Over Shark River

On the Municipal Border of Neptune and Wall Townships



Existing Structure

- ❑ Built in 1948;
- ❑ Timber Bridge with timber wing walls;
- ❑ 22.5' wide;
- ❑ Two vehicle travel lanes;
- ❑ Substructure in poor condition;
- ❑ Posted for 5 tons;
- ❑ Sharp curve in existing roadway alignment;
- ❑ No sidewalks on bridge.



Schoolhouse Road – looking southwest towards Wall Twp



Looking northeast towards Neptune Twp



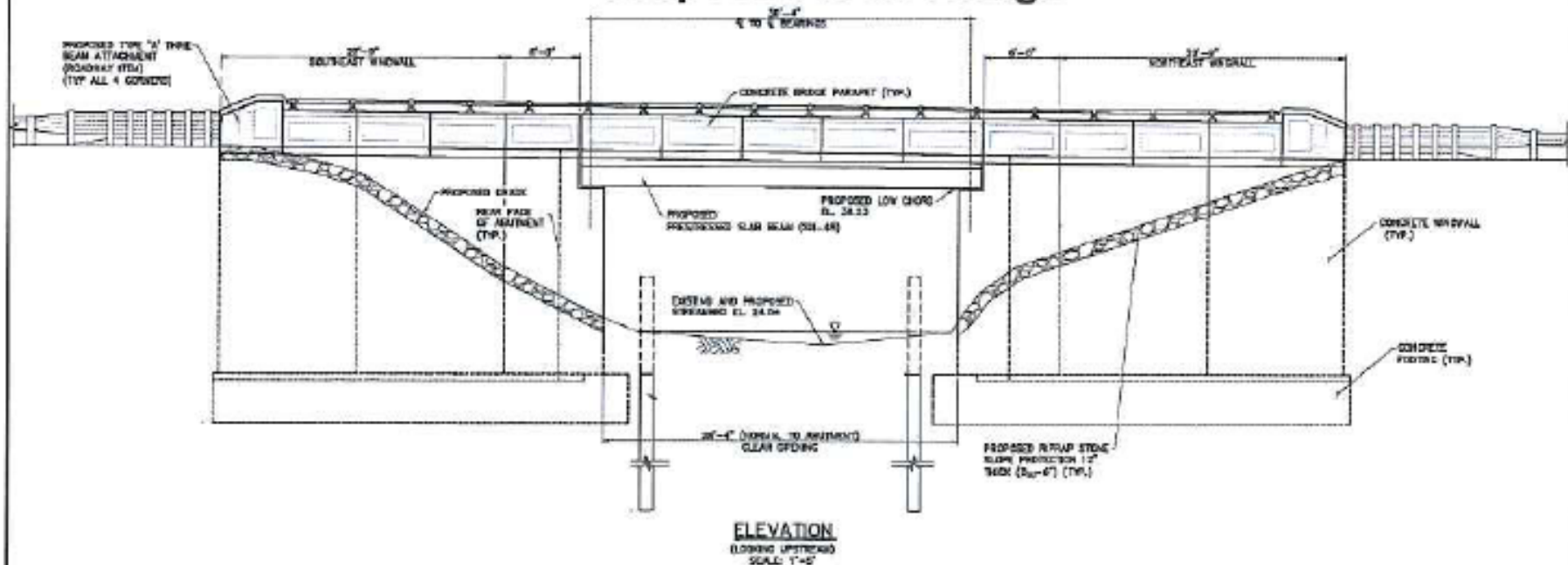
Structural Deficiencies



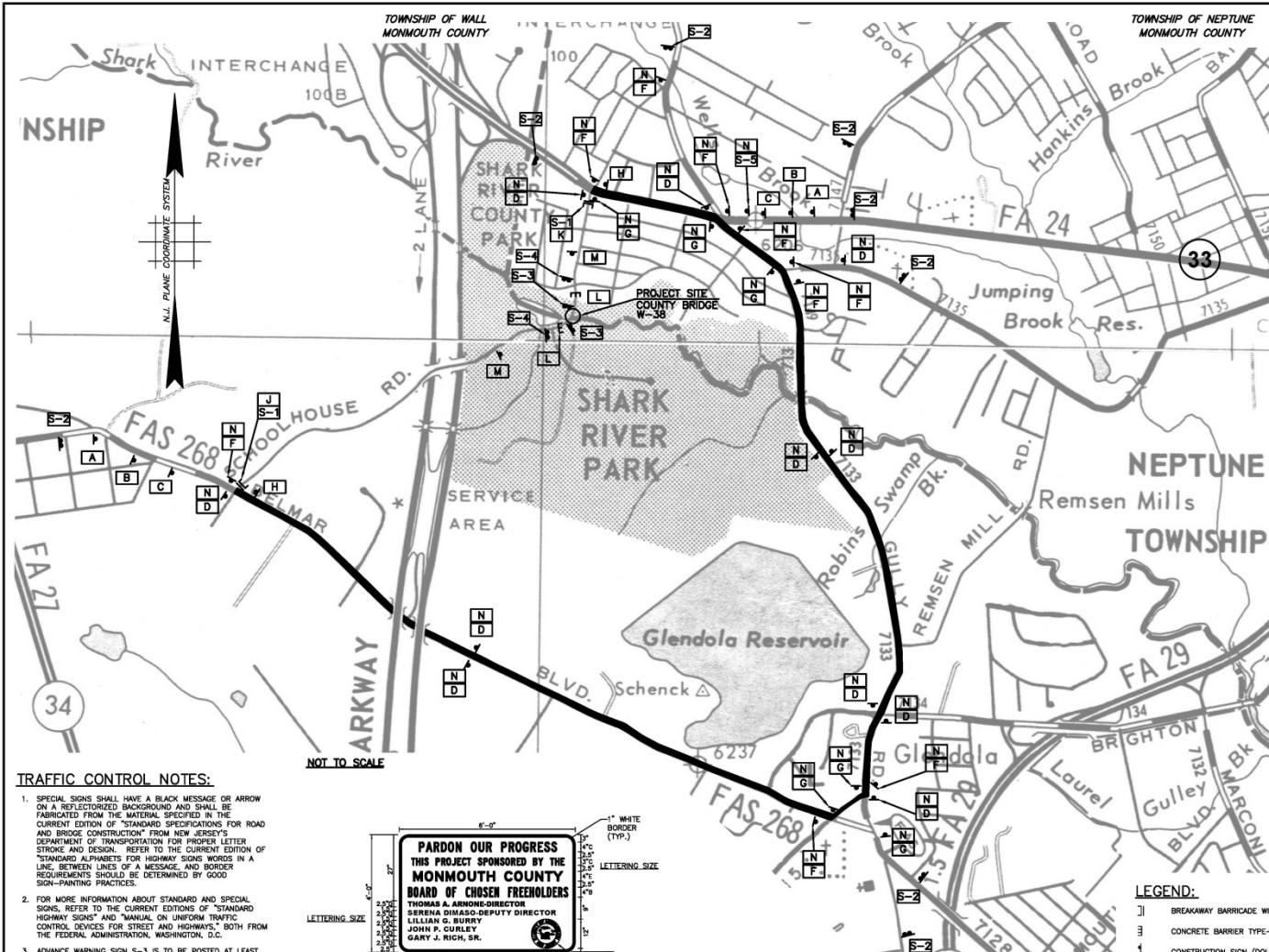
New Structure

- ❑ 50' wide bridge;
- ❑ Two 12-foot wide lanes, 6-foot wide shoulders, and a 6-foot wide sidewalk on either side;
- ❑ Improved horizontal and vertical realignments to provide for safer driving conditions;
- ❑ Widening and reconstruction of 750' of Schoolhouse Rd to match the existing 36' wide approach roadway;
- ❑ Replacement of curbing and guiderail and relocation of utilities.

Proposed W-38 Bridge







SIGN	DESIGN	TYPE	SIZE	NO. REQ'D
A		W20-2	48"x48"	2
B		W20-2	48"x48"	2
C		W20-2	48"x48"	2
D		M4-9X	30"x24"	11
F		M4-BL	30"x24"	9
G		M4-SR	30"x24"	6
H		M4-SA	30"x24"	2
J		M4-10R	48"x18"	1
K		M4-10L	48"x18"	1
L		R11-2	48"x30"	2
M		W20-3	48"x48"	2
N		SCHOOLHOUSE RD 4" C	30"x12"	27
S-1		SCHOOLHOUSE RD 5" C BRIDGE CLOSED NO TRAFFIC	60"x30"	2
S-2		SCHOOLHOUSE RD 5" C BRIDGE CLOSED PLAN ALT. ROUTE	60"x30"	8
S-3		ON OR ABOUT DATE THIS BRIDGE IS TO BE CLOSED PLAN ALT. ROUTE	84"x48"	2
S-4		MONMOUTH COUNTY PROJECT IDENTIFICATION SIGN (SEE DETAIL ON SHEET 38)	60"x48"	2
S-5		DETOUR NOT LEFT 7" C 7" C	30"x30"	1

Vehicular Traffic Detour During Construction

MONMOUTH COUNTY ENGINEERING

DETOUR PLAN
RECONSTRUCTION OF BRIDGE W-38
ON SCHOOLHOUSE ROAD
OVER SHARK RIVER

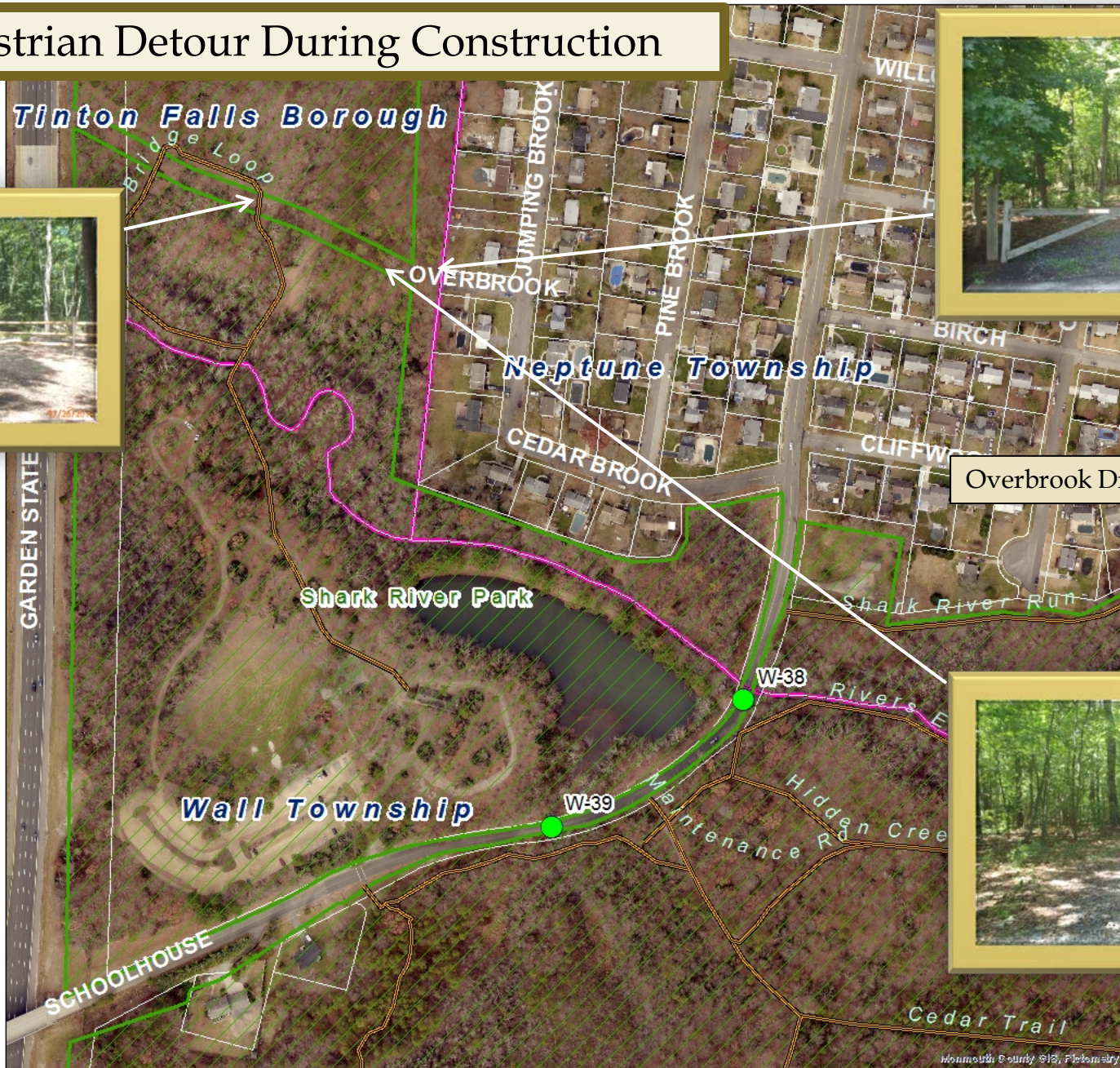
TOWNSHIPS OF WALL AND NEPTUNE MONMOUTH COUNTY

GREGORY D. BITSKO, P.E.
NEW JERSEY PROFESSIONAL ENGINEER LICENSE NUMBER 246030338

DATE: _____

Cherry, Weber & Associates, Inc.
SHEET 11 OF 39

Pedestrian Detour During Construction



Overbrook Drive Trail Access

Next Steps

August 2016

- Approve Plans, Specifications, and Estimates
- Advertise

September 2016

- Receive Bids

October 2016

- Award Contract

November 2016

- Notice to Proceed

Duration of Project: 210 Calendar Days

Estimated Completion Date: June 2017

Questions?