ITEM 4: REVIEW STATUS AND NEXT STEPS OF WEST MAIN STREET PEDESTRIAN BRIDGE

BOARD OF REPRESENTATIVES - OPERATIONS COMMITTEE
8/24/2021

12/30/2019 - REVIEW ITEM HELD
1/28/2020 - REPORT MADE & HELD BY COMMITTEE 8-0-0
7/28/2020 – PROGRESS UPDATE
5/25/2021 – PROGRESS UPDATE
6/29/2021 – MAYOR'S UPDATE OF NEXT STEPS

Presented by
Lou Casolo, City Engineer

PROGRESS UPDATE OF NEXT STEPS IDENTIFIED IN MAYOR'S 6/29/21 PRESENTATION

- Mayor's Office submitted presentation to Board's Office on 6/29/2021

Mayor's presentation indicated next steps as follows:

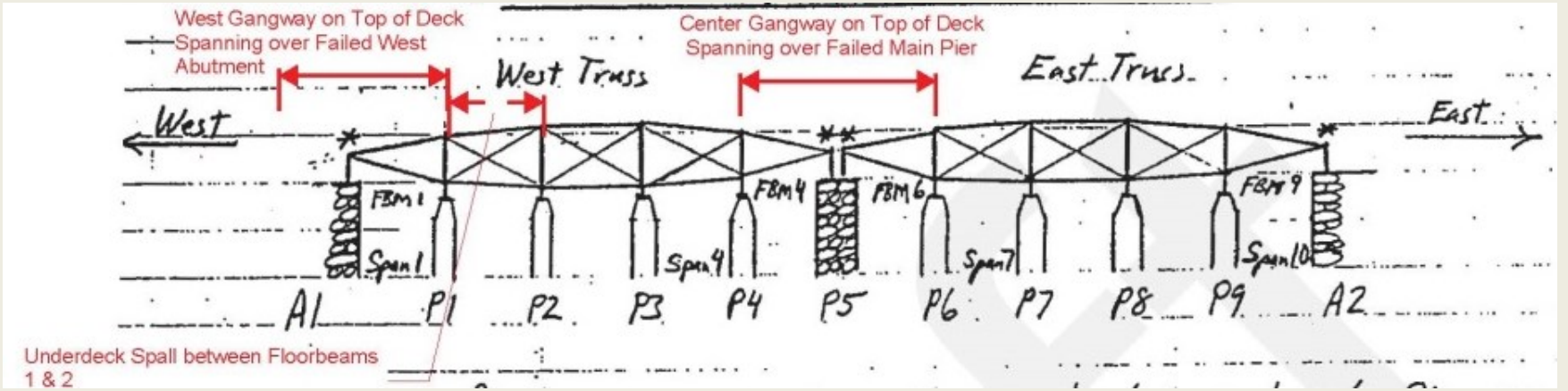
1. Check bridge integrity (Inspection of existing bridge)
2. Initiate Engineering Design Work
3. Initiate permitting
4. Bid bridge

1. CHECK BRIDGE INTEGRITY (INSPECTION OF EXISTING BRIDGE)

- In-depth inspection of existing bridge completed 7/20/2021
- Draft summary of findings, conclusions of repair recommendations submitted 8/20/2021

SUMMARY OF CONCLUSIONS AND REPAIR RECOMMENDATIONS

- Bridge remains in critical condition due to advanced destruction (2 on a scale of 9. 9 meaning excellent condition)
- Both gangways appear to be stable and secure and can remain open for pedestrian use at this time.



SUMMARY OF REPAIR RECOMMENDATIONS AND CONTINUED MONITORING

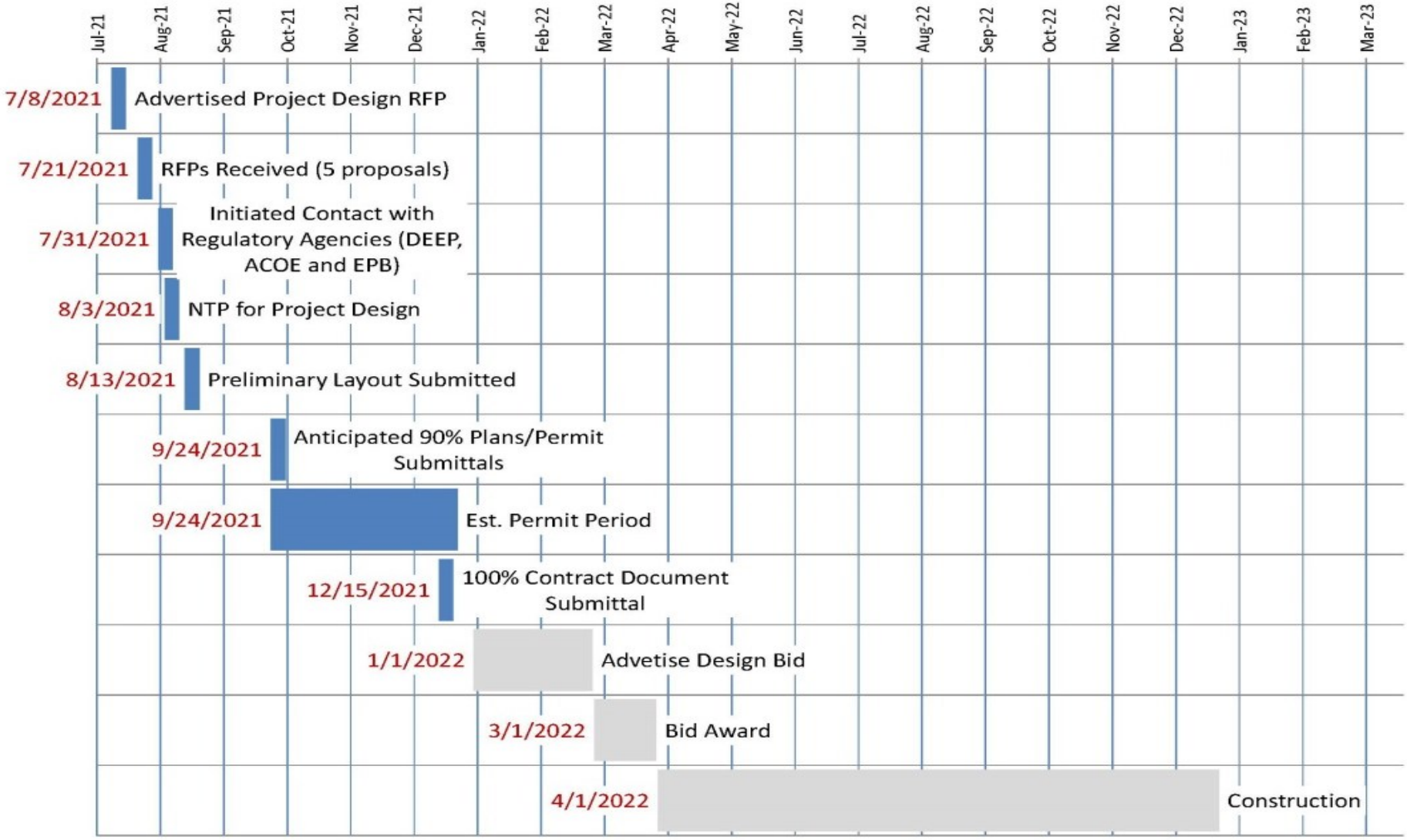
1. Restore the breached areas of protective / guide fencing across the bridge.
2. Remove the tree growing around the west end to prevent further displacement of the structure.
3. Routinely remove the drift and debris accumulations from beneath the bridge. At a minimum, the channel should be visually checked monthly and following all significant storm events for the development of such accumulations.

SUMMARY OF REPAIR RECOMMENDATIONS AND CONTINUED MONITORING (CONT.)

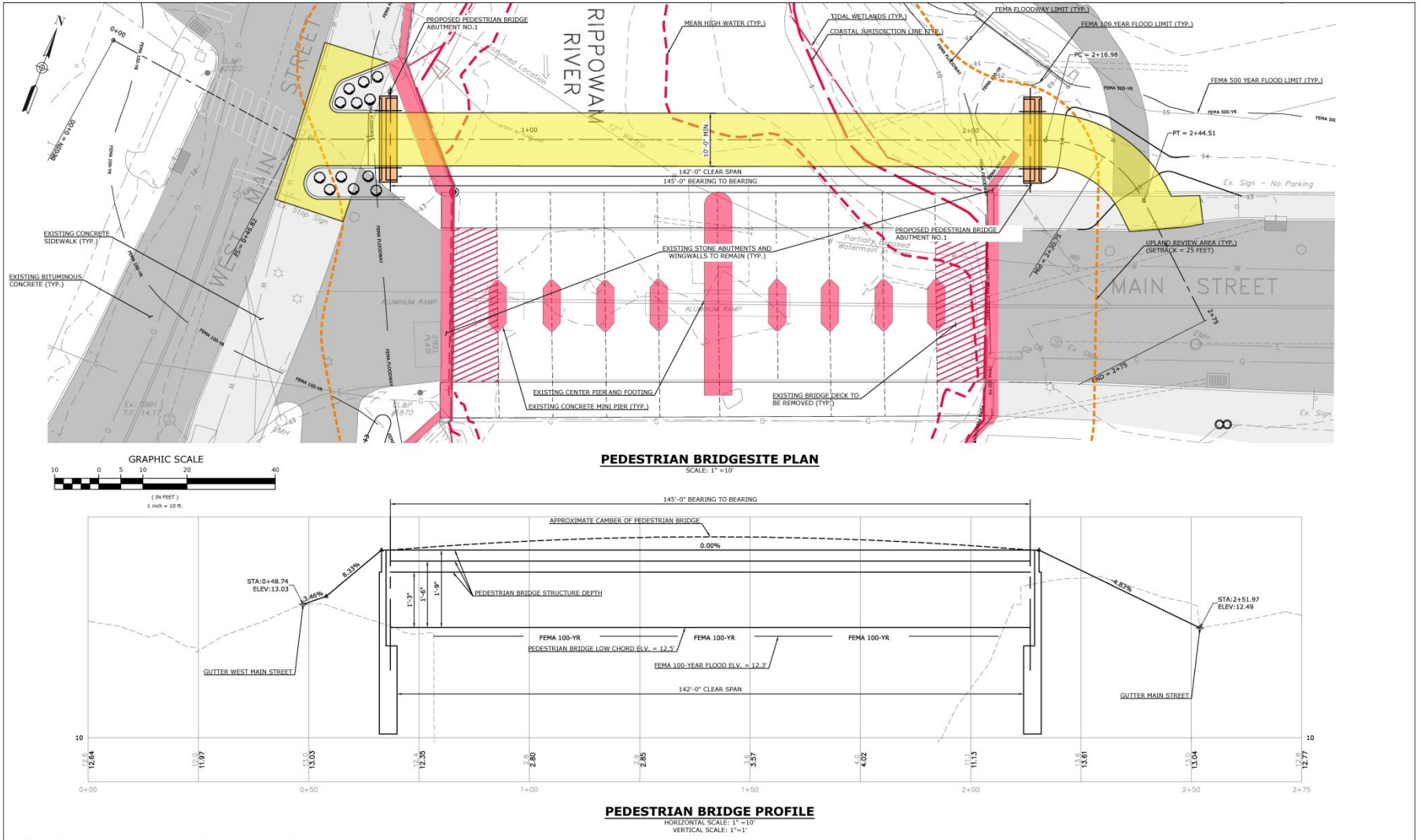
4. Routinely monitor the exposed pier footings for an increase in extent and the development of undermining. At a minimum, all 9 piers should be probed every 3 months and following all significant storm events.
5. Routinely monitor the failed portions of the dry stacked stone West Abutment and stone masonry Pier 5 for an increase in extent. At a minimum, the walls should be visually checked every 3 months and following all significant storm events.

2. INITIATE ENGINEERING DESIGN WORK

SCHEDULE



UPDATE FOR ENGINEERING DESIGN OF PEDESTRIAN BRIDGE PLAN & PROFILE



PEDESTRIAN BRIDGESITE PLAN
SCALE: 1" =10'

GRAPHIC SCALE
10 0 5 10 20 40
(IN FEET)
1 inch = 10 ft.

PEDESTRIAN BRIDGE PROFILE
HORIZONTAL SCALE: 1" =10'
VERTICAL SCALE: 1"=1'

NO.	DATE	DESCRIPTION
		REVISIONS

SUPV.	J.A.C.
DESIGN	J.A.W.
DRAWN	S.A.M.
CHECKED	J.A.W.
DATE	08/18/2021

WMC CONSULTING ENGINEERS
• WENGELL, McDONNELL & COSTELLO •
87 HOLMES ROAD
NEWINGTON, CT 06111
(860) 667-9624

PREPARED FOR
CITY OF STAMFORD
888 WASHINGTON BOULEVARD
STAMFORD, CT. 06901

MAIN STREET PEDESTRIAN BRIDGE OVER RIPPOWAM RIVER
SITE PLAN AND PROFILE 8

SIZE	PROJECT	FILE NAME	NUMBER	REV.	SHEET	OF
D	MAIN STREET	PE	18068.00		1	1

3. INITIATE PERMITTING

- Held initial meetings with EPB and DEEP to determine permit requirements as follows:
  - Update hydraulic model
  - Identify temporary/permanent impacts
  - Identify construction staging areas
  - Identify water handling methods
- Submit permit applications at 90% final design (EPB, DEEP and ACOE)
- Permit review and approval timeframe - Approx. 2-4 months

4. BID BRIDGE
SCHEDULE