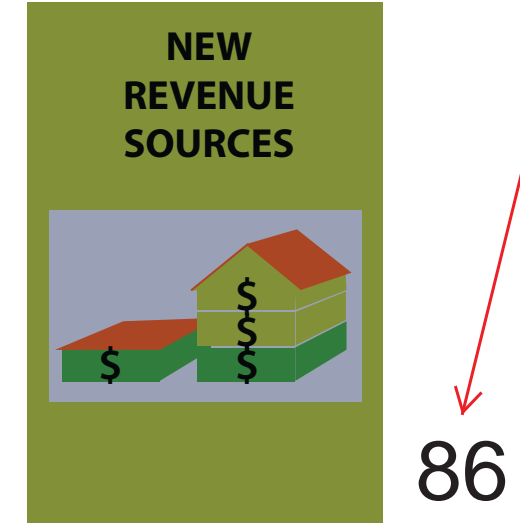


OLD LYME LIEUTENANT RIVER TRAIL

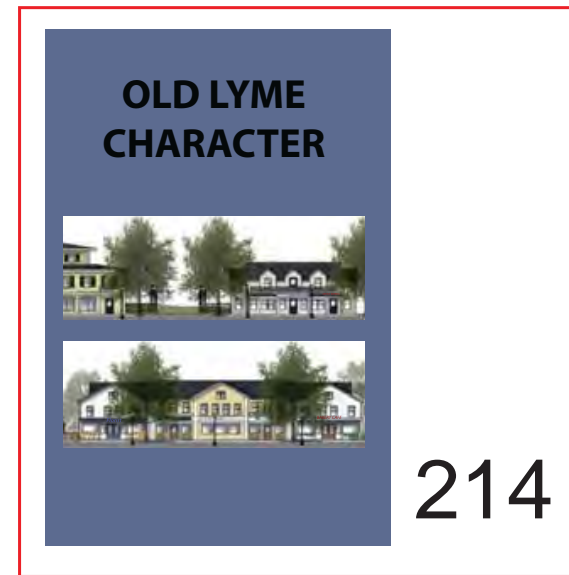
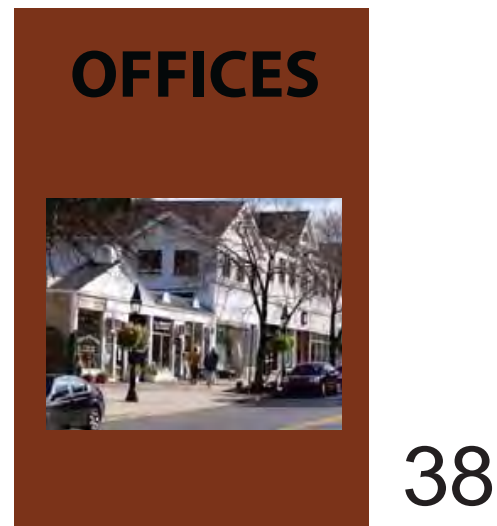
OLD LYME, CT



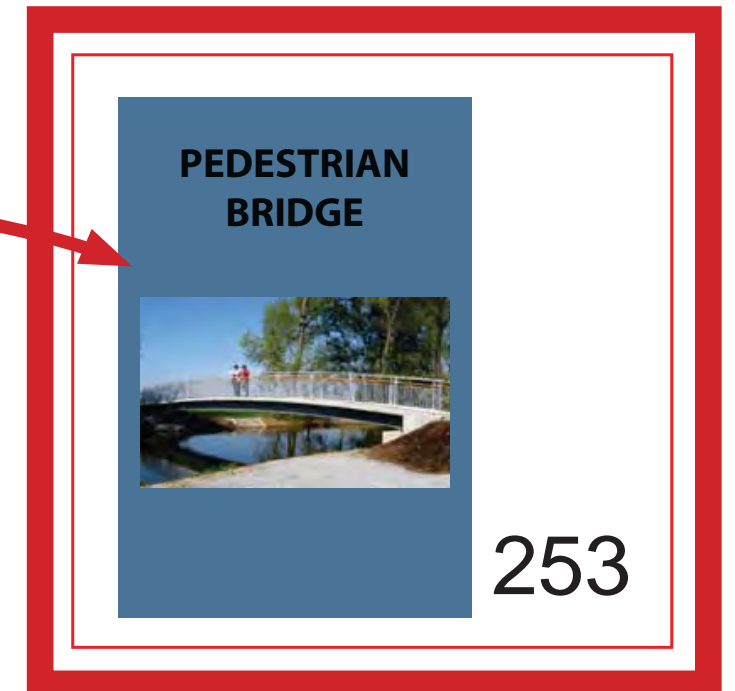
Vote with Coins Exercise
Each visitor was given 25 coins to drop into any of the 9 category bags to vote for which elements were of interest to them. This is the tally from our 2 open houses held June 15th & August 3rd, 2019



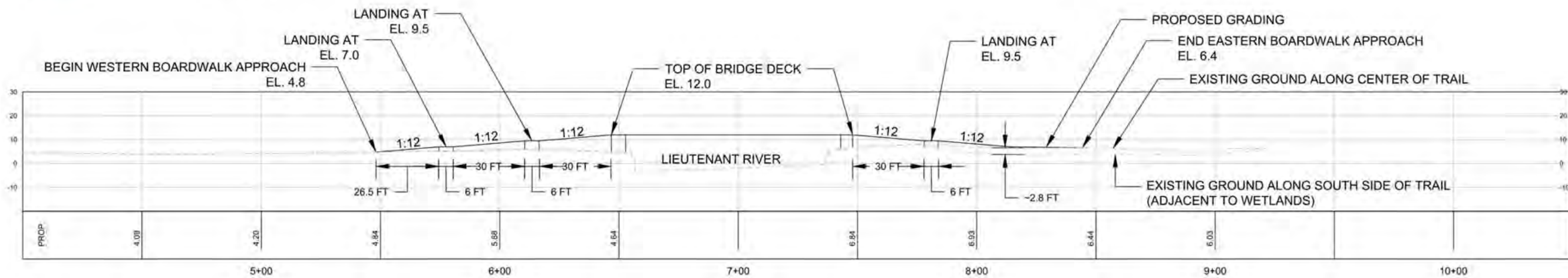
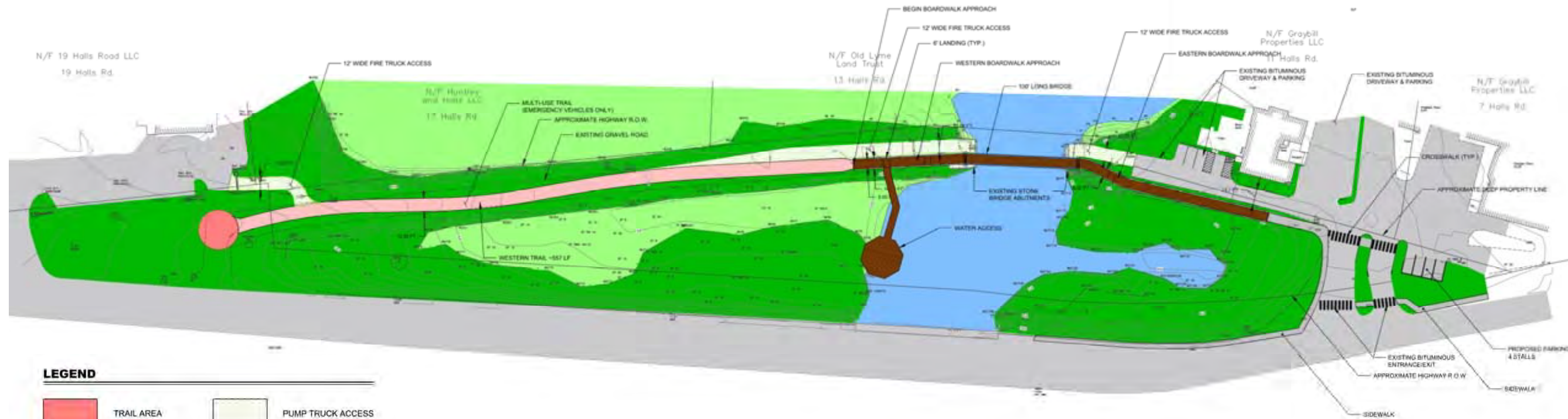
Numbers indicate votes per category



The most popular category for the Halls Road Vision Proposal was to build a Pedestrian Bridge



OVERALL TRAIL AND BRIDGE PLAN & PROFILE



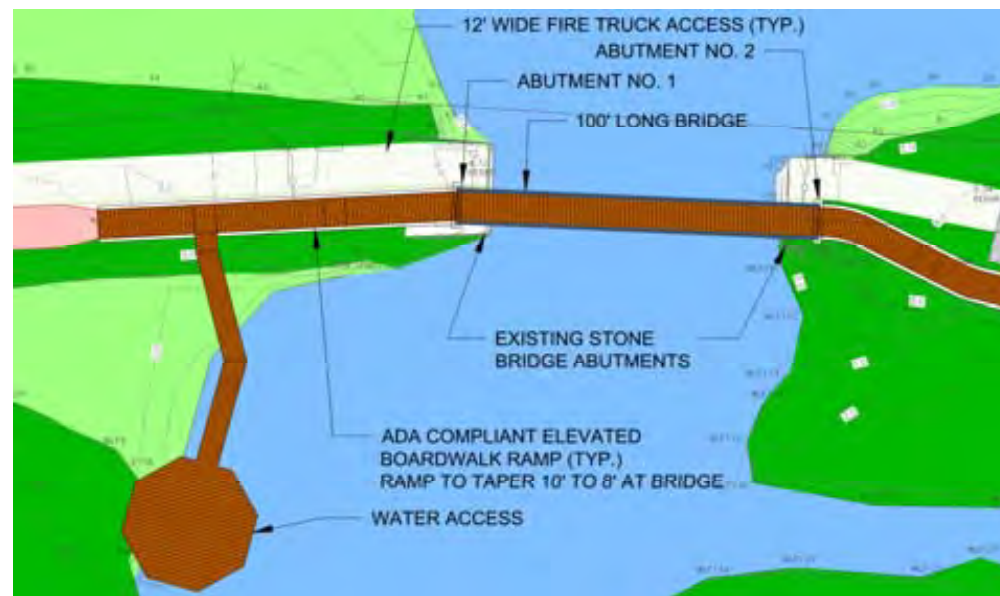
GENERAL DESIGN NOTES:

- NEW CONCRETE ABUTMENTS TO BE INSTALLED BEHIND EXISTING STONE ABUTMENTS
- NEW PREFABRICATED BRIDGE WILL BE CRANED INTO PLACE ON NEW ABUTMENTS
- NEW ADA COMPLIANT RAMPS AND BOARDWALKS INSTALLED ON SUPPORT PILES TO MINIMIZE DISTURBANCE
- WIDTH OF BRIDGE IS 8' (CLEAR)
- WIDTH OF BOARDWALKS IS 10' THEN TRANSITIONS TO 8' JUST BEFORE BRIDGE
- BICYCLES ARE ALLOWED ON THE BRIDGE BUT MUST BE WALKED ACCROSS
- ELEVATIONS SHOWN ARE BASED ON "MEAN SEA LEVEL"
- FISHING NOT ALLOWED OFF THE BRIDGE

OPTION 'A' - STEEL BOW STRING BRIDGE



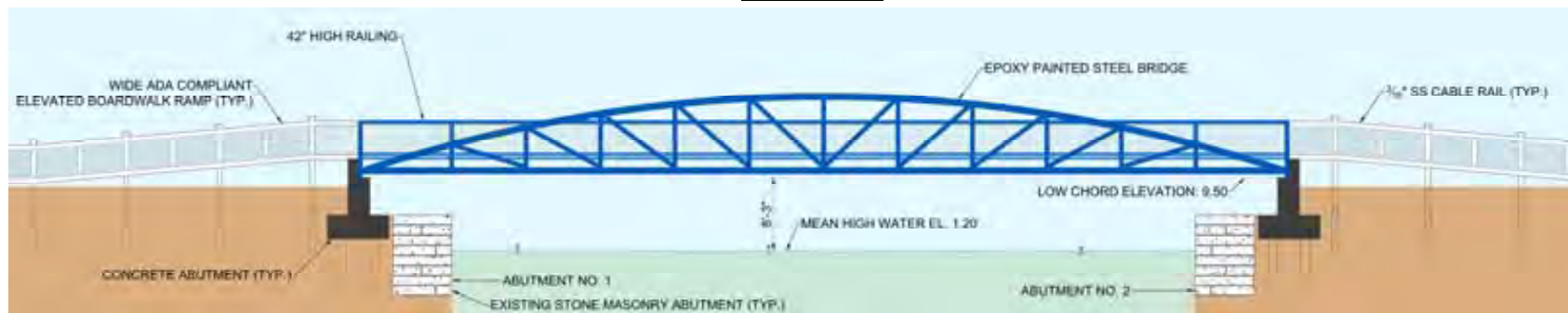
STEEL BOW TRUSS BRIDGE



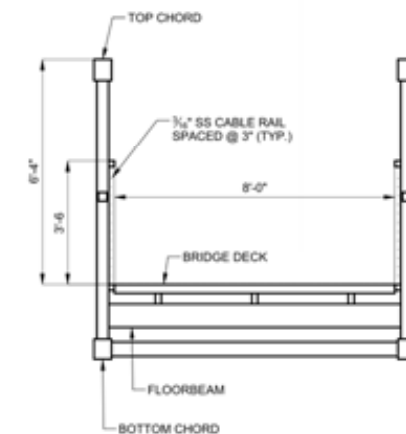
PLAN VIEW



EXAMPLE PHOTO



ELEVATION VIEW

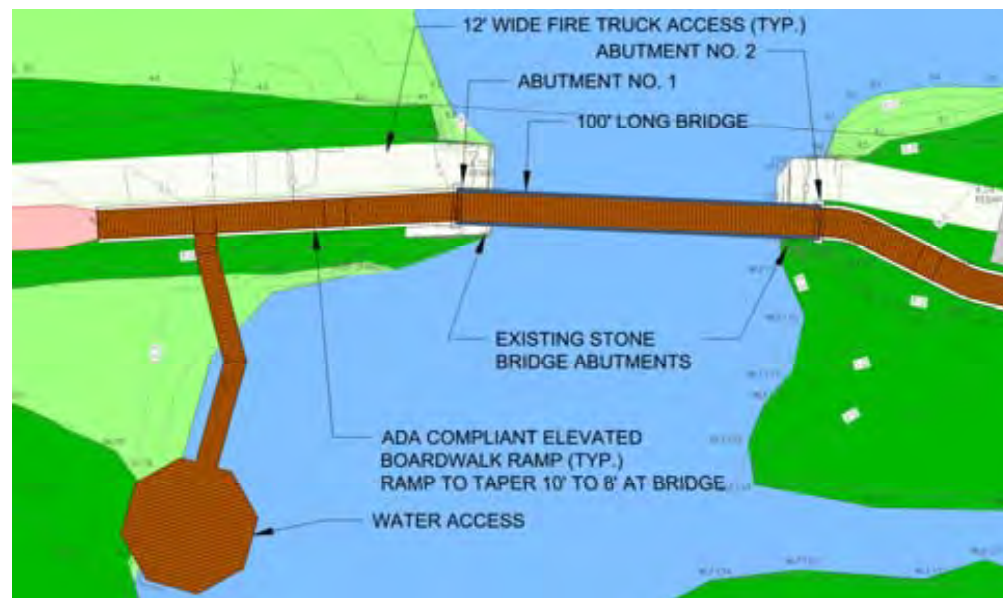


TYPICAL BRIDGE SECTION

OPTION 'B' - TIMBER GLULAM ARCH BRIDGE



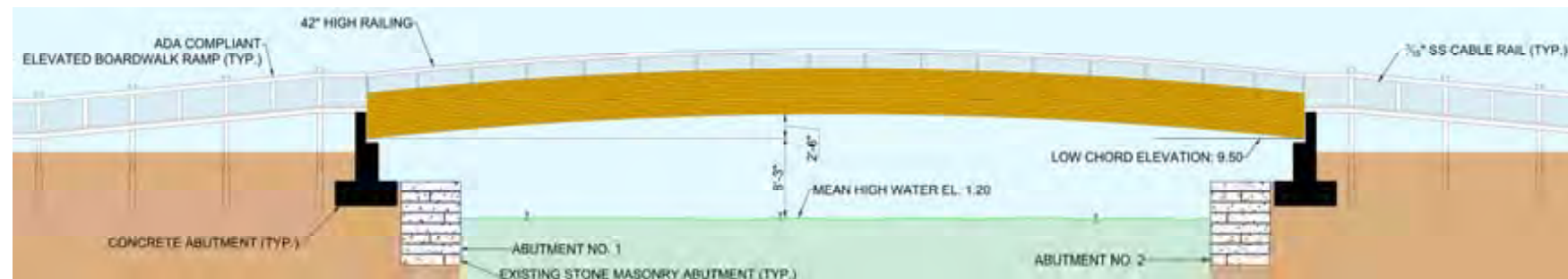
GLULAM GIRDER BRIDGE



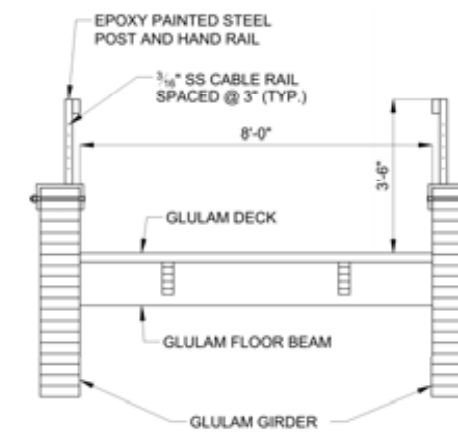
PLAN VIEW



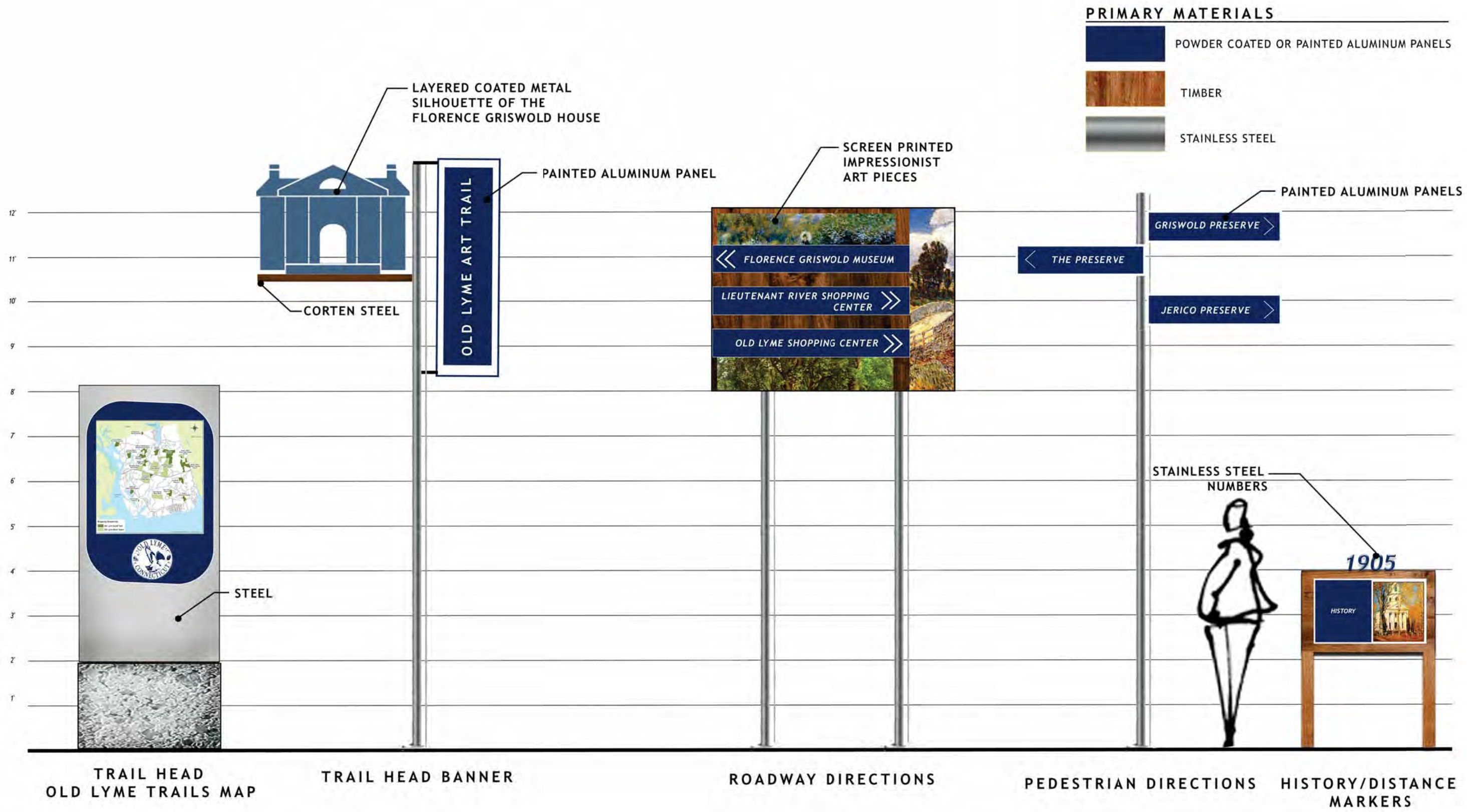
EXAMPLE PHOTO



ELEVATION VIEW



TYPICAL BRIDGE SECTION





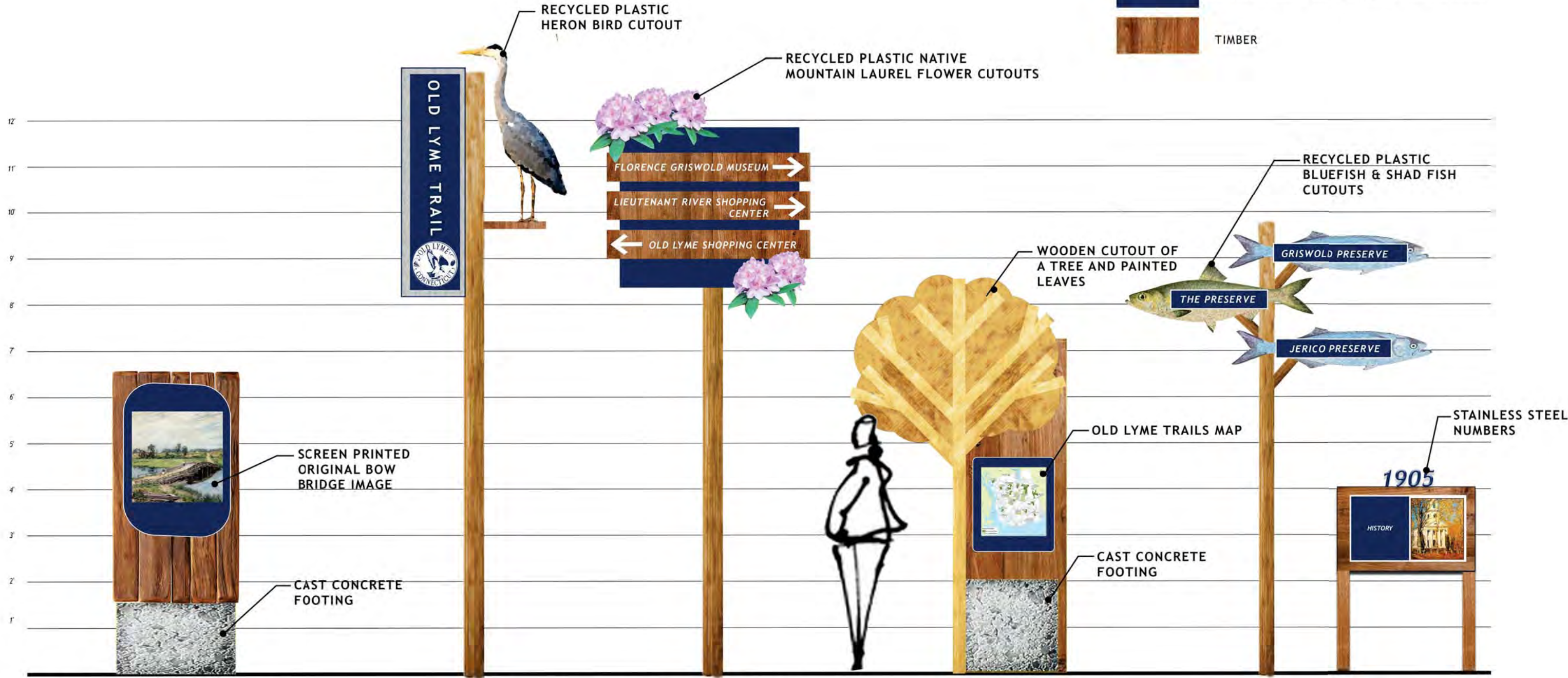


ART THEME TRAIL - PRELIMINARY CONCEPT

OLD LYME LIEUTENANT RIVER TRAIL
OLD LYME, CT

PRIMARY MATERIALS

-  POWDER COATED OR PAINTED ALUMINUM PANELS
-  TIMBER



TRAIL HEAD MONUMENT

TRAIL HEAD BANNER

ROADWAY DIRECTIONS

OLD LYME TRAILS MAP

PEDESTRIAN DIRECTIONS

HISTORY /DISTANCE MARKERS

NATURE THEMED WAYFINDING

OLD LYME MULTI-USE TRAIL
OLD LYME, CT



NATURE THEME TRAIL - PRELIMINARY CONCEPT

OLD LYME LIEUTENANT RIVER TRAIL
OLD LYME, CT

PRELIMINARY CONSTRUCTION COST ESTIMATES

OPTION 'A' - STEEL BOW STRING BRIDGE

Bridge & Foundation Construction:	\$525k to \$575k
East & West Boardwalks Approaches:	\$325k to \$520k
Water Access:	\$300k to \$400k
Themed Trail Work:	\$375k to \$440k
Site Work (demo, erosion control, etc.):	\$275k to \$350k
Overhead Utility Work (Approx.):	\$150k to \$225k

Preliminary Cost: \$1.95 to \$2.51 mil

OPTION 'B' - GLULAM GIRDER BRIDGE

Bridge & Foundation Construction:	\$500k to \$550k
East & West Boardwalks Approaches:	\$325k to \$520k
Water Access:	\$300k to \$400k
Themed Trail Work:	\$375k to \$440k
Site Work (demo, erosion control, etc.):	\$275k to \$350k
Overhead Utility Work (Approx.):	\$150k to \$225k

Preliminary Cost: \$1.93 to \$2.49 mil

Bridge Lifespan:	50 yrs +
Fiber Reinforced Decking:	50 yrs + (\$\$\$)
IPE Wood Decking:	20 yrs + (\$\$)(\$40k replacement cost)
Paint Finish:	20 to 25 yrs

Annual Maintenance Requirements -

- Bi-annual inspections recommended
- Keep bridge seats clean (ie. leaf blower, brush, etc.)
- Winter snow clearing
- Power wash bridge (only of salts are used)

Bridge Lifespan:	50 to 75 yrs
Fiber Grate Decking:	50 to 75 yrs (\$\$\$)
Sawn Glulam Decking	25 yrs + (\$\$)(\$40k replacement cost)
Wood Finish:	75 yrs (turns 'silver gray' over time)

Annual Maintenance Requirements -

- Bi-annual inspections recommended
- Keep bridge seats clean (ie. leaf blower, brush, etc.)
- Winter snow clearing

Anticipated Environmental Permits:

- U.S. Army Corps of Engineers (SV)
- DEEP Stormwater General Permit
- Old Lyme Conservation Commission
- Section 401 Clean Water Act (CWA)
- Harbor Management Commission
- Inland Wetland Commission

Project Element Options

1. Main Trail Paving Options



A

Asphalt with Chip Seal



B

Asphalt with Color Seal

2. Bridge Railing Options



A

Cable Steel with wood top rail



B

Cast Aluminum

3. Woodland Boardwalk Options



A

Trex Decking



B

Natural Wood

4. Water Access Options



A

Fishing Access



B

Boating Access

A
Art Theme



B
Nature Theme



5. Bench Options



A

Either option to be on timer with down lighting, pedestrian height, & dark sky friendly

B

6. Solar Light Fixtures



A Art Theme

B Nature Theme

7. Trash Barrel Options



BONUS: Concert Grounds similar to Flo Gris Museum

8. Bridge Options



A

Steel Bow Truss Bridge



B

Glulam Girder Bridge



STEEL BOW TRUSS BRIDGE



GLULAM GIRDER BRIDGE