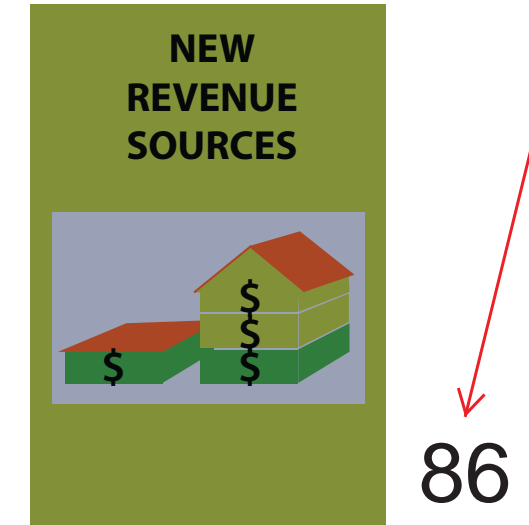


OLD LYME LIEUTENANT RIVER TRAIL

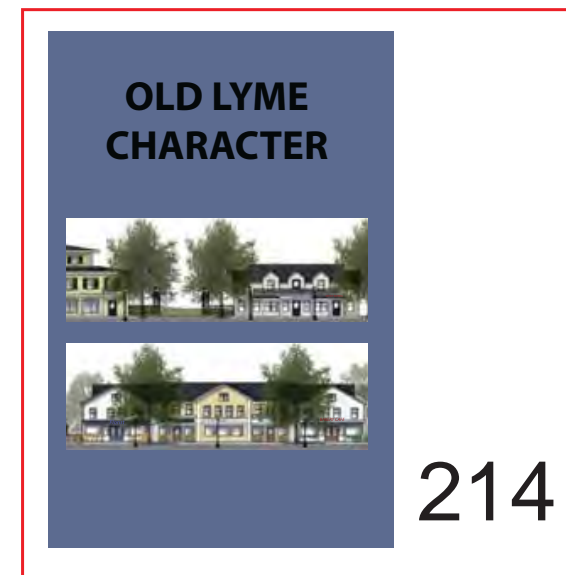
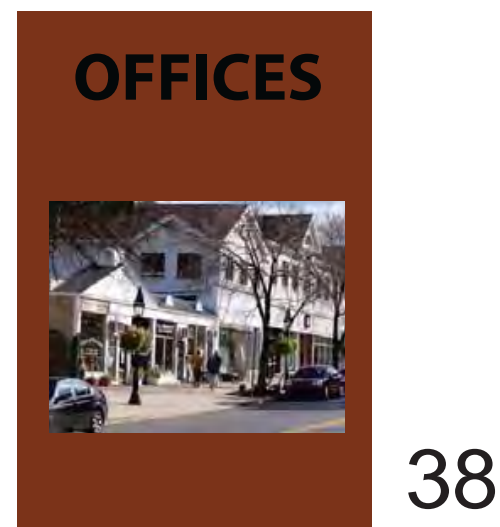
OLD LYME, CT



**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



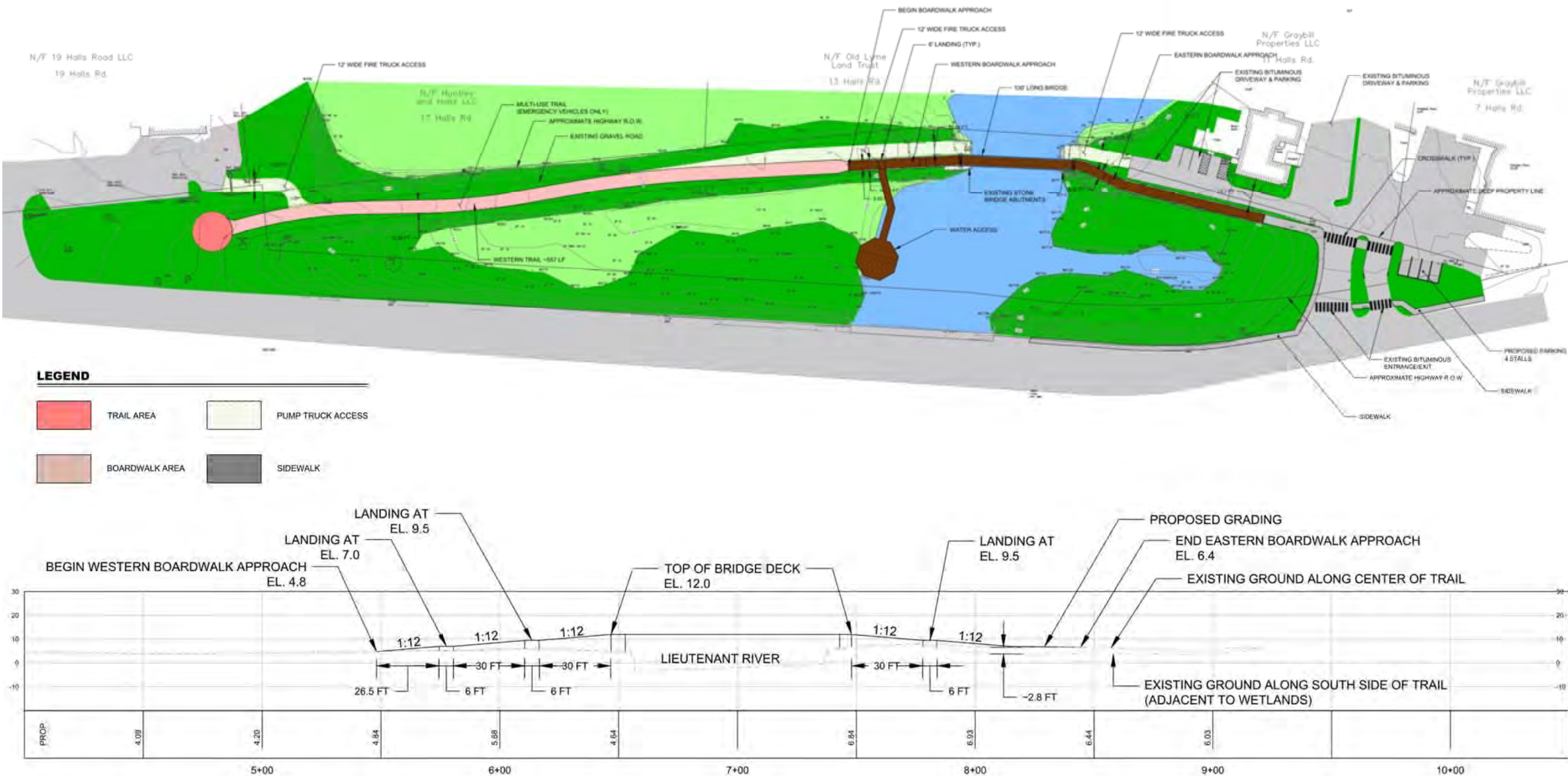
Numbers indicate votes per category



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



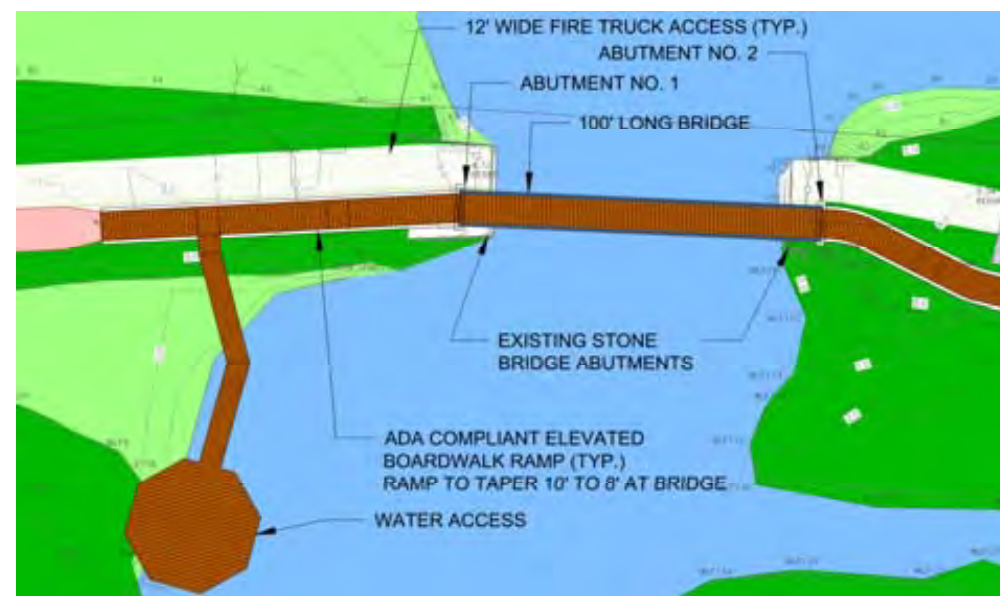
OVERALL TRAIL AND BRIDGE PLAN & PROFILE



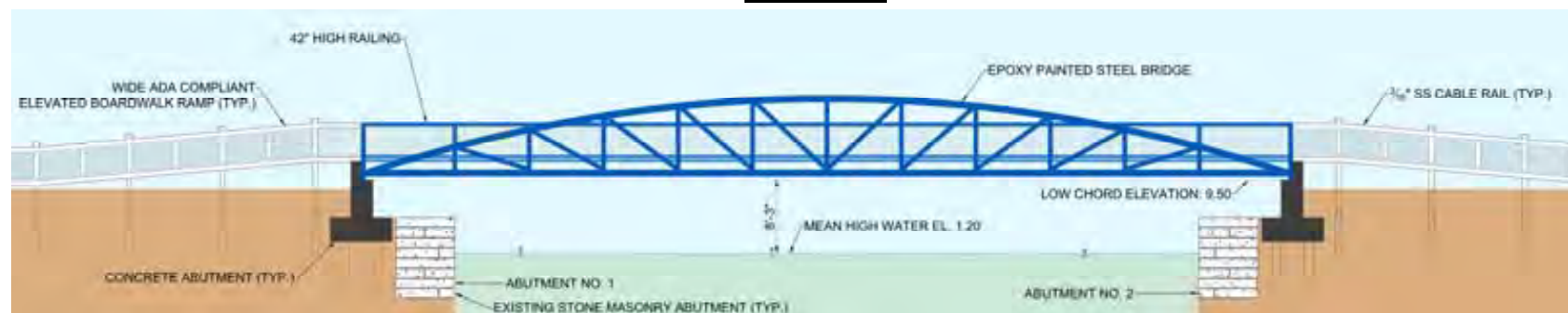
GENERAL DESIGN NOTES:

- 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

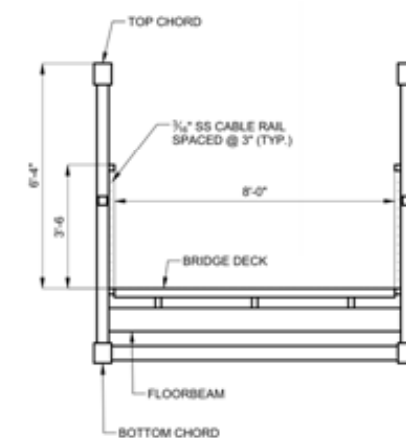
OPTION 'A' - STEEL BOW STRING BRIDGE



PLAN VIEW

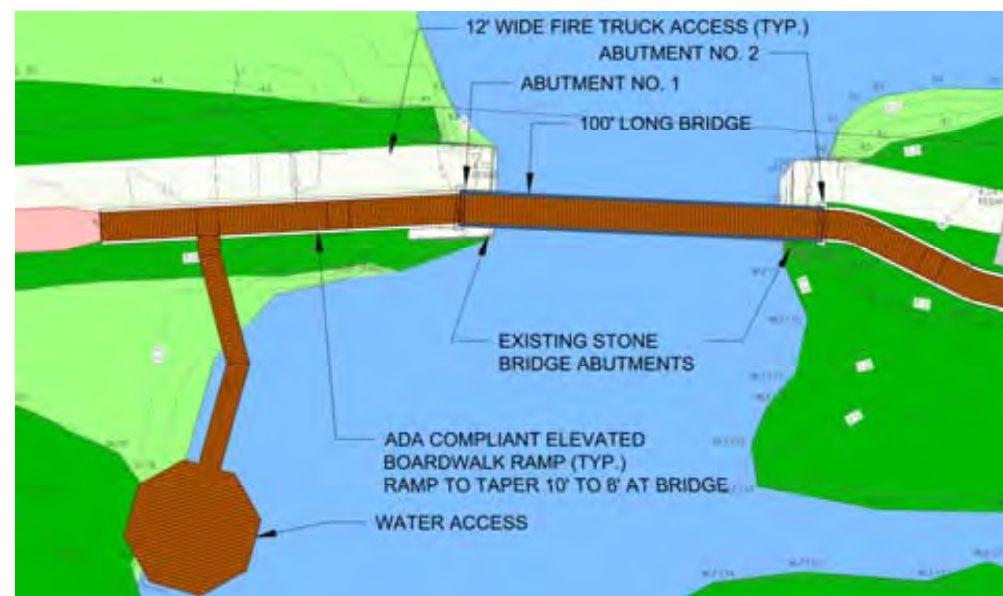


ELEVATION VIEW



TYPICAL BRIDGE SECTION

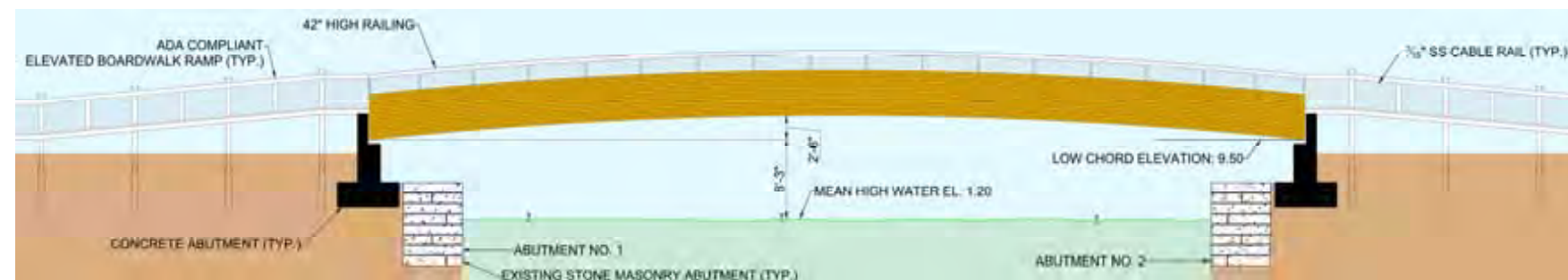
OPTION 'B' - TIMBER GLULAM ARCH BRIDGE



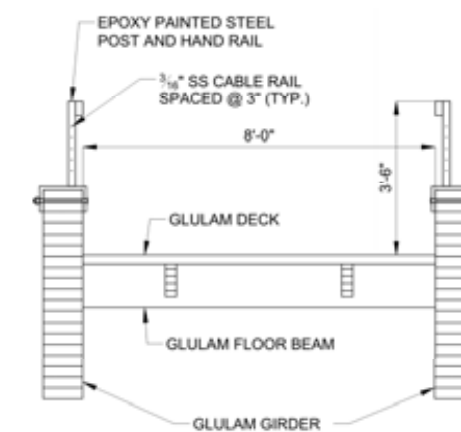
PLAN VIEW



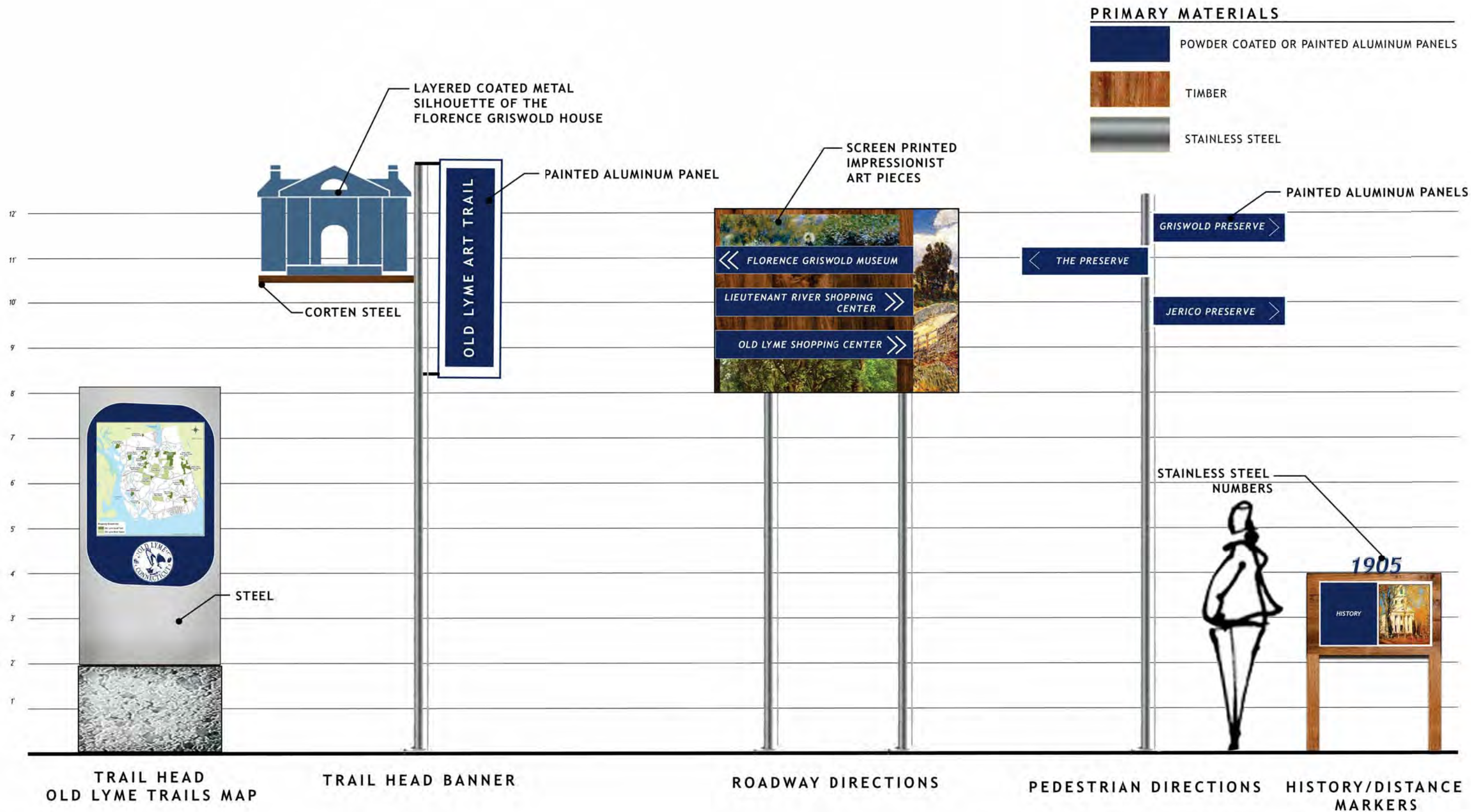
EXAMPLE PHOTO

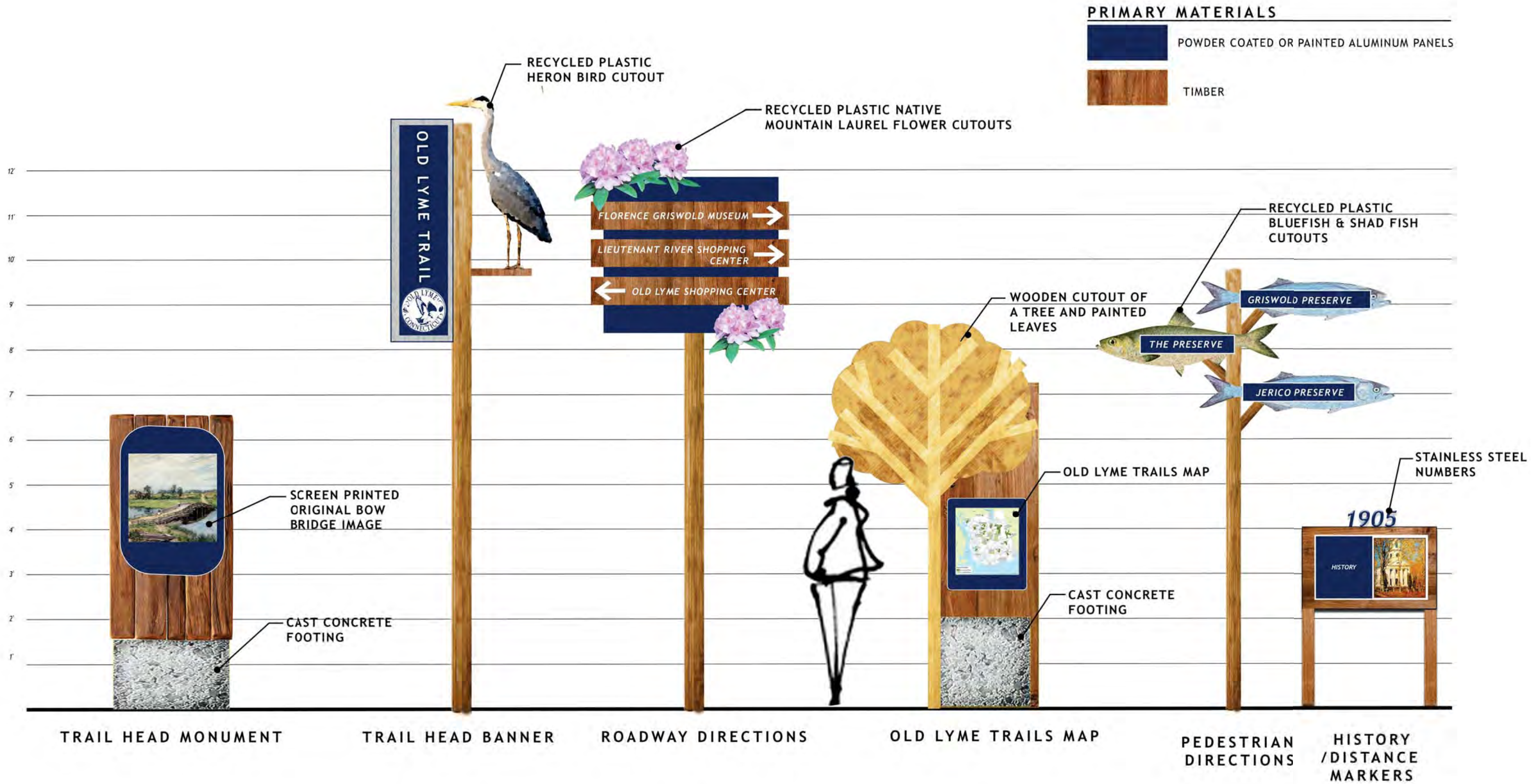


ELEVATION VIEW



TYPICAL BRIDGE SECTION





TAVELLA DESIGN GROUP, LLC
LANDSCAPE ARCHITECTS

WILLIAM KENNY ASSOCIATES
LANDSCAPE ARCHITECTURE • ECOLOGICAL SERVICES

1899 Bronson Road Fairfield CT 06424
203.366.0588 www.wkassociates.net

NATURE THEMED WAYFINDING

OLD LYME MULTI-USE TRAIL
OLD LYME, CT

SCALE: 1" = 0.5' = 1'

REF. NO. 5501



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

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

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	

All funding for the Lieutenant River Trails & Bridge design project
are provided by grants from the

American Rescue Plan Allocation

(ARPA by the town of Old Lyme) and

the **Connecticut Recreational Trails Program.**

***Additional grant funding will be applied for project
construction and maintenance.***

Project Element Options

1. Main Trail Paving Options



Asphalt with Chip Seal



Asphalt with Color Seal

2. Bridge Railing Options



Cable Steel with wood toprail



Cast Aluminum

3. Woodland Boardwalk Options



Trex Decking



Natural Wood

4. Water Access Options



Fishing Access



Boating Access

A
Art
Theme



B
Nature
Theme



5. Bench Options

A

Either option
to be on tim-
er 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



Tally from 2 open houses for the Lieutenant River Trails Bridge Design
9/30/2023 and 10/5/2023

Tally of votes from 09/39/23, 10/05/23, and additional from HRIC town web site. 64 voters & 92 attendees

	A	B	comments	issues	A	OUT COME
1	Paving Material	51	10	More Natural Visually Pleasing Flo Gris similarity Pervious material Natural looking	Asphalt toxins Drainage Need a bike lane in A	chip seal
2	Bridge & Boardwalk Railings	55	6	More Natural Visually Pleasing Wood Posts & cable Cable/Steel w/wood cap		cable with wood rail
3	Woodland Boardwalk	37	28	Wood More Natural Trex more durable Flo Gris similarity Durability Natural Wood	8 6 2 5	Natural and durable Trex
4	Water Access	26	24	No to both Unattractive Enviromentally friendly Fishing	2 1 2	Boat Access Fishing
5	Benches	31	34	Flo Gris similarity More Natural 1	4 5	Wood if durable enough therwise use trex
6	Lighting	11	50	No to both motion detectors down lights Flo Gris similarity Durability yellow light better of bugs 1 OFF 11 - 6am 19th century look 1	1 4 3 1 1 1	Historic District style 1 wildlife friendly 1 from ground 1
7	Trash Bins	29	38	More Natural Durability	2 3	Public Works should have a say
8	Bridge Style	14	56	Aaesthetics glulam Aaesthetics steel truss Make bowed as possible A discourages fishing B suitable to OL	1 1 2 2	Glulam with bowed railing to make more bow to appearance
		yes	no			
9	Bonus Gathering	21	15	Don't compete with FGM Noise from road Spontaneous gathering 1	1 2	
	A Art theme	13		More Durable Use w/ natural elements carving into wood is too easy on wood	6 4 3	Mixture of art and nature
	B Nature Theme		18	More Natural Like trail head monument! Wildlife cutouts & imprss. Art Nature trail layout best		Mixture of art, history, and nature