

Maine-NH Connections Study

Steering Committee Meeting

January 19, 2010

Kittery Trading Post



Agenda

- Welcome
- Process/Next Steps
- TIGER Grant Application Update
- Results of Round 3 Fatal Flaw Analysis
- Alternatives Recommended to be carried forward
- Detailed Evaluation of Feasible Alternatives

Process/Next Steps

- Steering Committee: Feedback from you today on Study Team recommendations
- Stakeholder Committee review this afternoon
- Finalize Fatal Flaw report/findings by January 31st
- DOT's/FHWA review/approval by mid-February
- Remaining alternatives to have a detailed analysis against all evaluation criteria between Feb-April 2010
- Next Public Meeting – February 10, 2010

TIGER Grant Application Update

- TIGER Grant Application for Memorial Bridge submitted in September
- February 17, 2010 decision deadline
- If TIGER Grant Application is successful, all remaining Memorial Bridge options in Study eliminated – focus on Sarah Long Bridge options
- Study schedule remains the same

Fatal Flaw Analysis

- Fatal Flaw Process
 - Study Purpose and Need
 - 16 Evaluation Criteria
 - Generated 63 different alternatives
- An OPTION is one piece of the ALTERNATIVE.
- An ALTERNATIVE is an entire solution.
- Round 1: 34 alternatives eliminated
- Round 2: 14 alternatives eliminated

Fatal Flaw - Round 1, 2, and 3 Results

- Steering Committee endorsed Round 1 recommendation
- Stakeholder Committee endorsed Round 1 recommendation, asked for additional alternatives be eliminated
- General Public, Steering and Stakeholder Committee concurrence on Round 1 and 2 findings at Dec. 16th Public Informational Meeting
- Looking for Steering Committee endorsement on Round 3 today

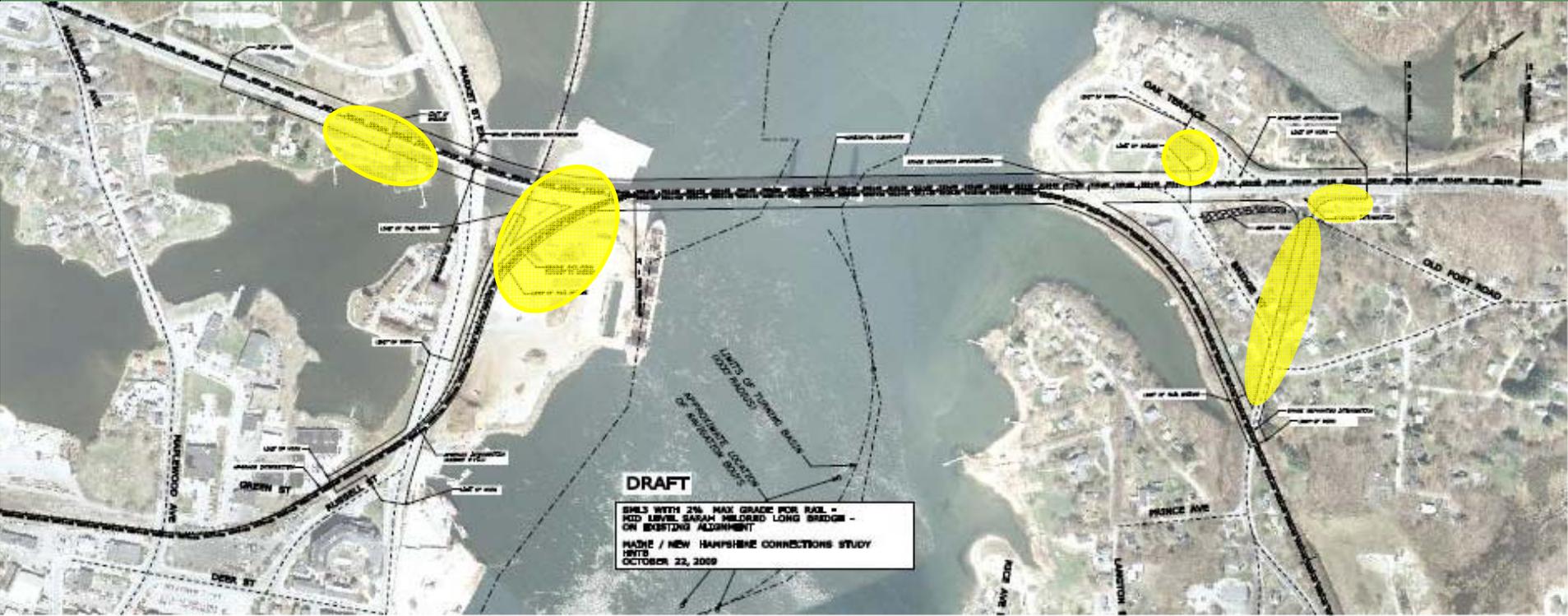
Alternatives and Options
Considered but Eliminated

Round 3

Fatal Flaw Analysis – Round 3

- Compared options and alternatives against:
 - Impacts at/near Port of New Hampshire
 - Order of Magnitude Life Cycle costs
 - Mobility of Study Area without Sarah Long bridge during construction
- Result – 15 alternatives reduce to 9*
 - * - includes No-build alternative*

SL3-Mid Level Bridge on Alignment



Sarah Long Bridge Option

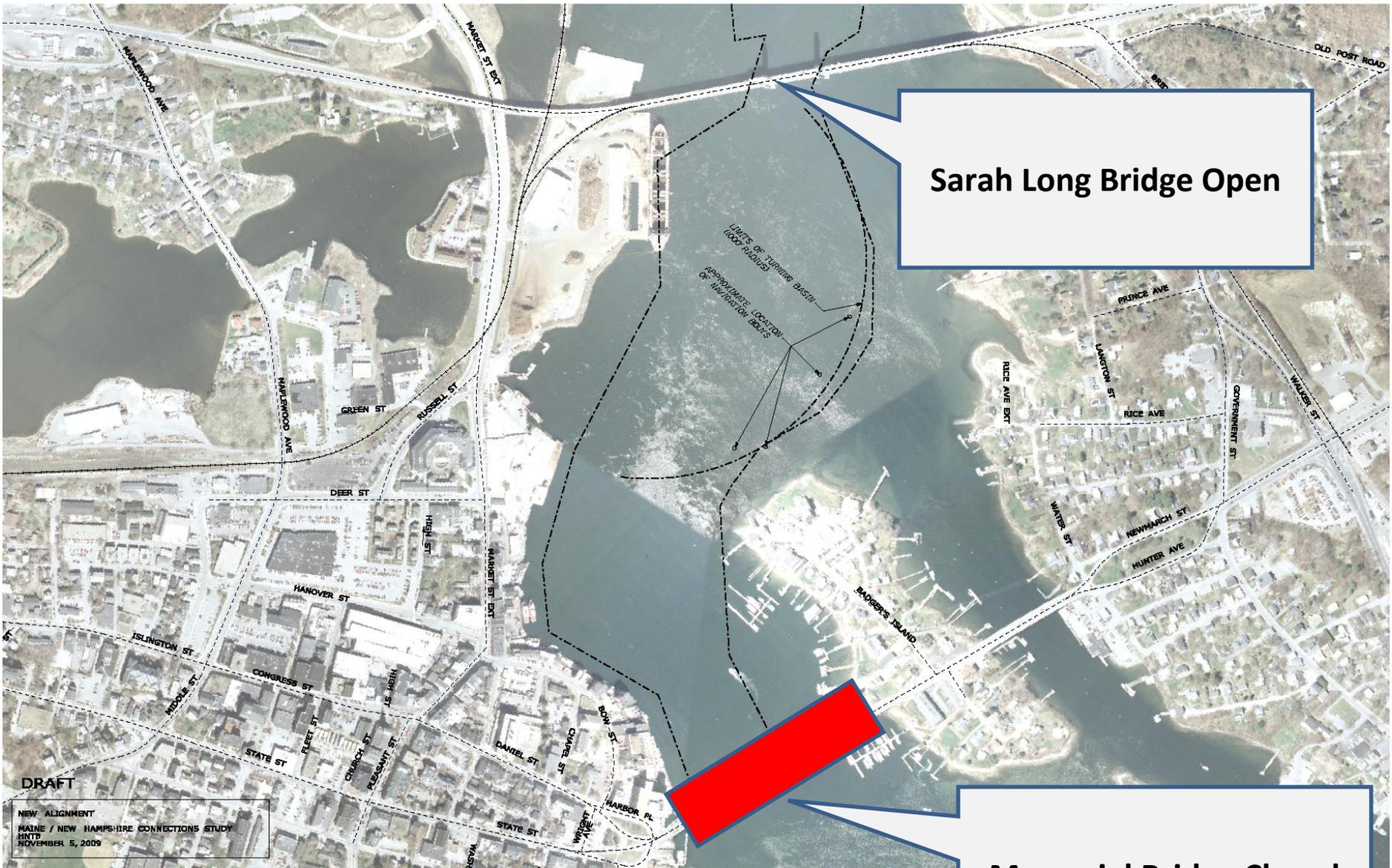
SL3A-Mid Level Bridge Upstream



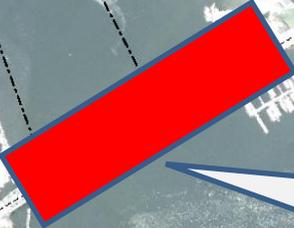
Sarah Long Bridge Option

Alternatives and Options
Carried forward for further Study

No Build Alternative



Sarah Long Bridge Open



Memorial Bridge Closed

DRAFT
NEW ALIGNMENT
MAINE / NEW HAMPSHIRE CONNECTIONS STUDY
HNTH
NOVEMBER 5, 2009

MB1 – Rehab on Existing Alignment



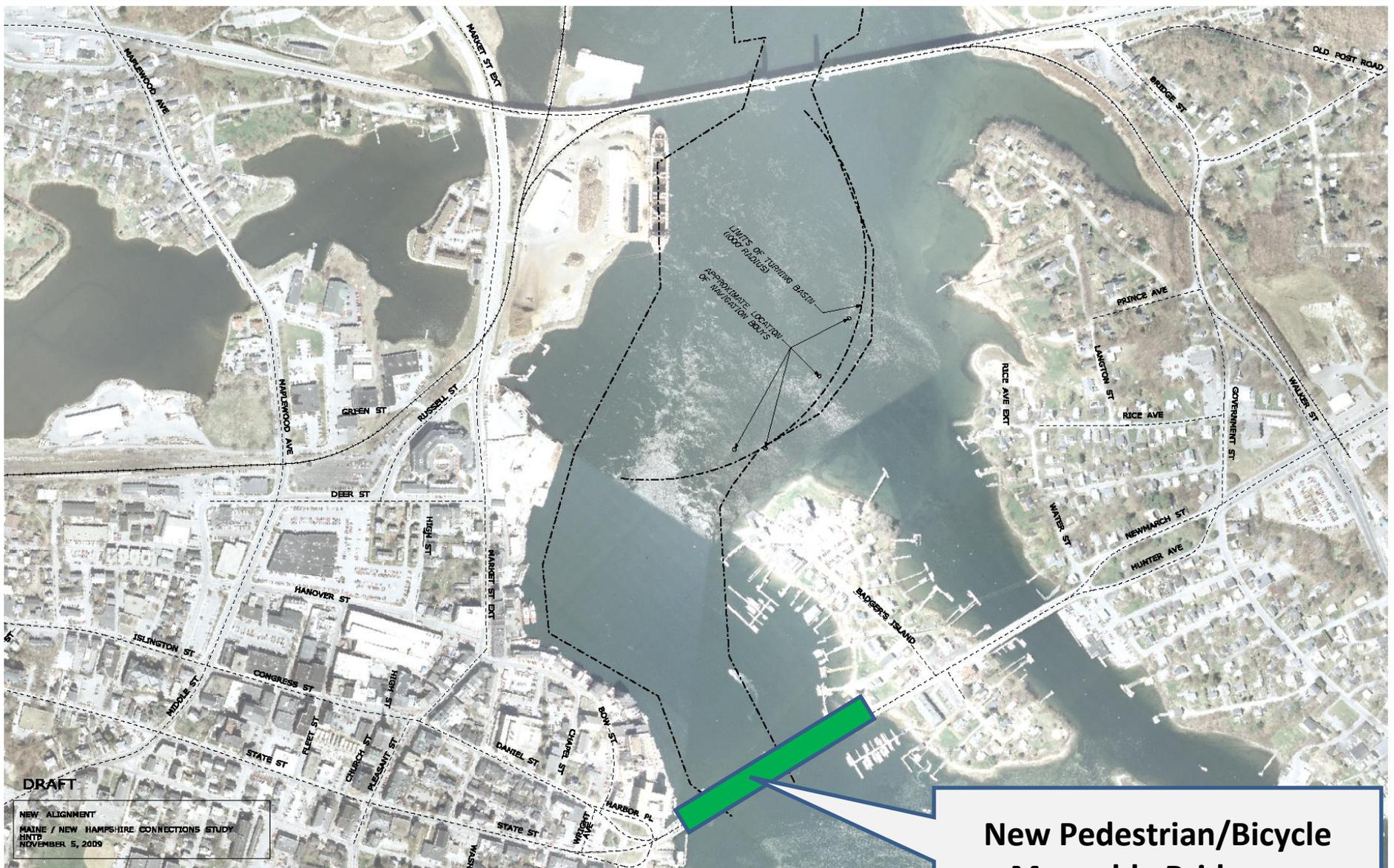
Memorial Bridge Option

MB2 – Replace on Existing Alignment



Memorial Bridge Option

MB6 - Ped/Bike Moveable Bridge



Memorial Bridge Option

SL1 – Rehab on Existing Alignment



Sarah Long Bridge Option

SL2 – Replace on Existing Alignment



Sarah Long Bridge Option

SL2A-Low Level Bridge Upstream



Sarah Long Bridge Option

SL2A-Low Level Bridge Upstream



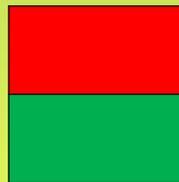
Sarah Long Bridge Option

Fatal Flaw - Round 1, 2, and 3 Results

- Study Team Recommendation :
 - 63 alternatives reduced to 8 alternatives plus No-Build
 - 3 Memorial Bridge options
 - Rehab (2-lane)
 - Low level replacement on existing alignment (2-lane)
 - Bike/Ped Moveable Bridge
 - 3 Sarah Long Bridge Options
 - Rehab (2-lane)
 - Low level replacement on existing alignment (2 and 4 lane)
 - Low level replacement on upstream alignment (2 and 4 lane)

Alternatives formed by combining Bridge Options

Memorial Bridge Options	Sarah Mildred Long Options						
	Rehab	Replacement	Replacement Upstream	Mid-Level	Mid-Level Upstream	High Level	Close but Rail Remains
Rehab							
Replacement (2-lane)							
Replacement Up/Downstream							
Mid-Level Replacement							
Mid-Level Replacement Up/Downstream							
High Level Replacement							
Close Entirely		1					
New Pedestrian/Bicycle Only		2	2	2	2		



Alternative Recommended to be Eliminated

Alternative Recommended to be Carried Forward

1 - Evaluated as both a 2 lane and 4 lane option. Both alternatives were eliminated.

2 - Evaluated as both a 2 lane and 4 lane option. 2 lane option was eliminated, the 4 lane option carried forward.

Detailed Evaluation of Feasible Alternatives

Overview of Detailed Evaluation

- A more detailed evaluation, analysis and assessment of feasible alternatives
- Compare findings to Study Purpose and Need and measure against criteria developed by all
- Criteria not previously assessed will be evaluated
- Work with DOT's, FHWA, SC, SHC, and Public to finalize how criteria should be weighed or scored

Preliminary Schedule

Task	February		March		April		May		June	
Engineering	█	█	█							
Travel Demand Modeling	█		█							
Traffic Analysis		█		█						
Life Cycle Cost				█	█	█				
Resource Impacts			█	█						
Permitting Feasibility			█	█	█	█				
Section 4(f) and 106	█	█	█	█	█	█	█	█	█	█
Draft and Final Report							█	█	█	█

Questions/Details for Early Input

- Detail of replacement Memorial bridge?
- If ped/bike Memorial bridge, how will it connect to the communities?
- What additional roadway connections might we need to consider to the 4-lane Sarah Long with the removal of the Memorial Bridge?
- What additional roadway connections might improve a rehab or replacement 2-lane Sarah Long Bridge?