

Task Force Administration



- Minutes
- Website (<u>www.mass.gov/massdot/I90Allston</u>)
- Information Requests



Viaduct Discussion



- Physical Condition of Existing Structure
- Additional Deficiencies of Existing Structure
- Extent of Viaduct Replacement
- Constraints on Viaduct Reconstruction
- Conceptual Reconstruction Approach





Viaduct Condition



- Deteriorated components (steel and concrete) throughout
- Material Testing Results Chloride Contamination









Additional Viaduct Deficiencies



- Early 1960's Design Criteria
- User Volumes over 140,000 vehicles per day
- No Shoulders
- · Previous repairs
- Numerous Deck Joints
- Substandard railings





Extent of Viaduct Reconstruction





Extent of Viaduct Reconstruction

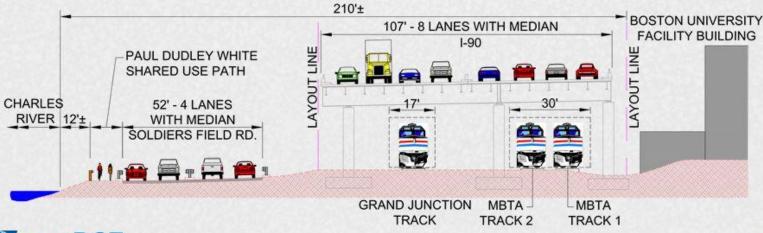




Constraints on Viaduct Reconstruction



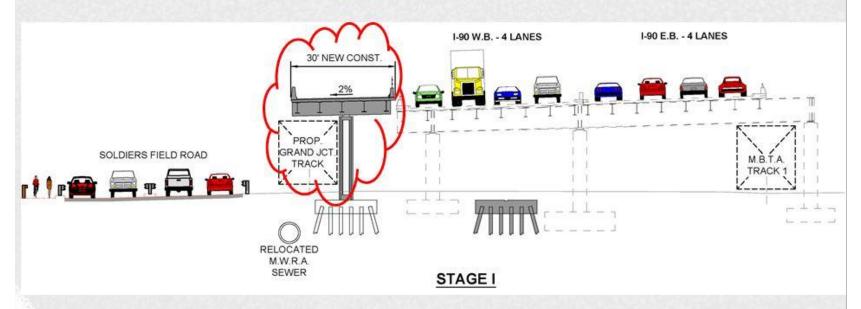
- Maintenance of Traffic (4 lanes each direction)
- Maintain MBTA Rail Line
- Maintain Grand Junction Connection
- Maintain Rail Connection to Houghton Chemical
- Limited ROW





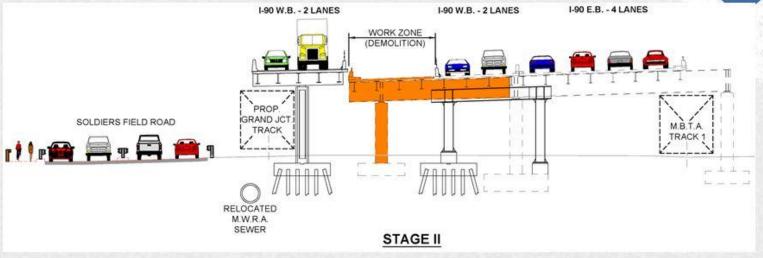


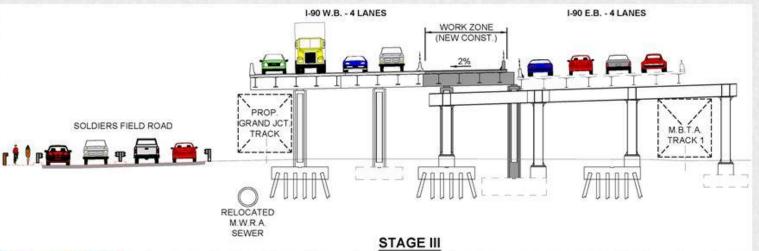
- Stage Construction 2 Lanes Reconstructed per Phase
- Widen Structure to North towards Soldiers Field Road
- Maintain Rail Lines with Temporary/Permanent Track Realignment







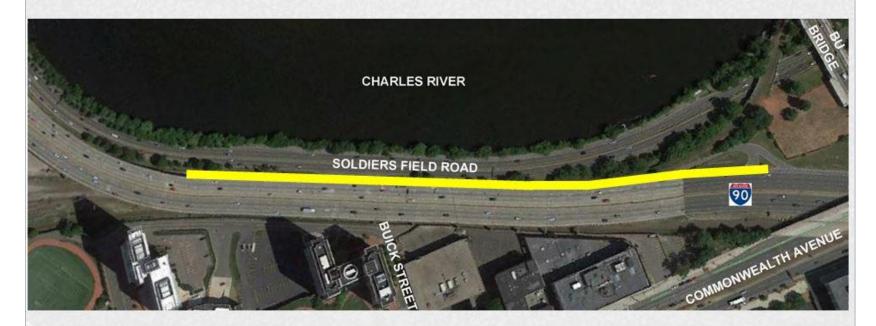








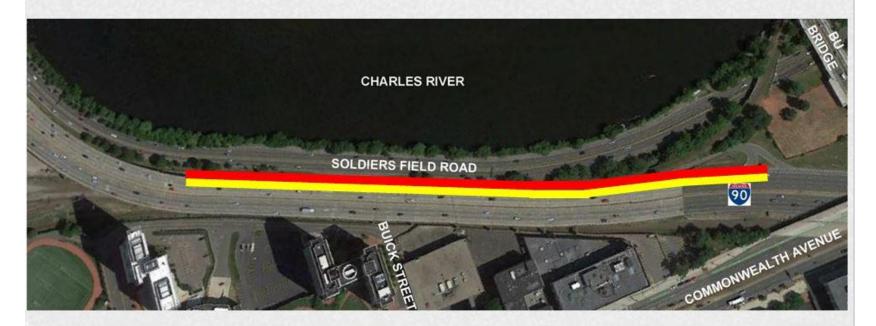
- Stage Construction 2 Lanes Reconstructed per Phase From North to South.
- Then make connection to realigned I-90







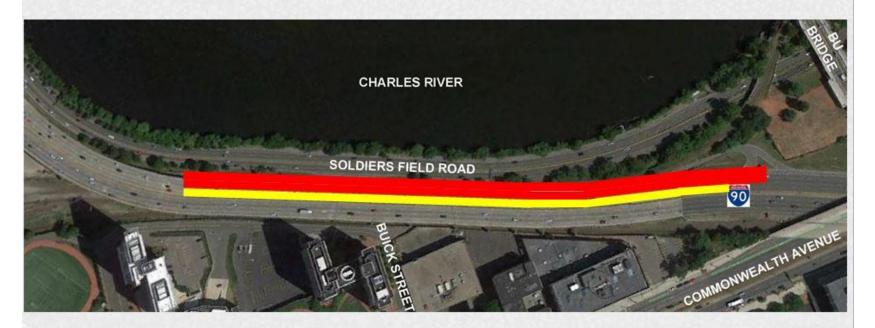
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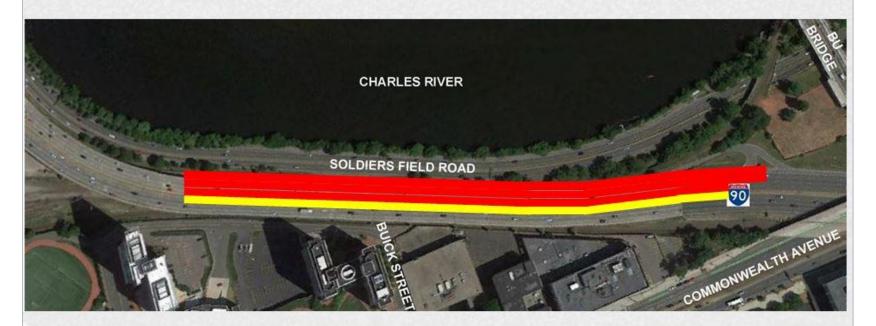
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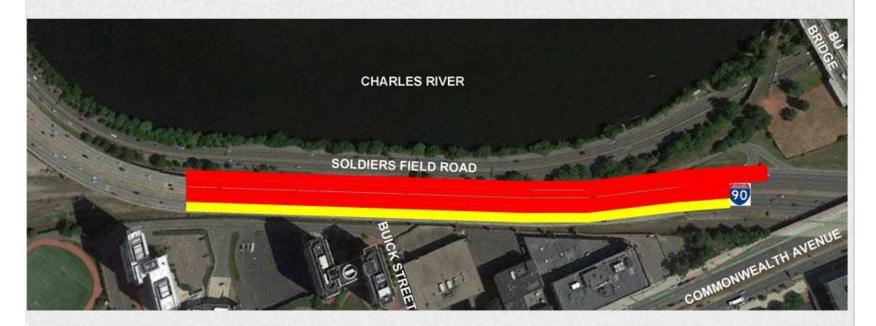
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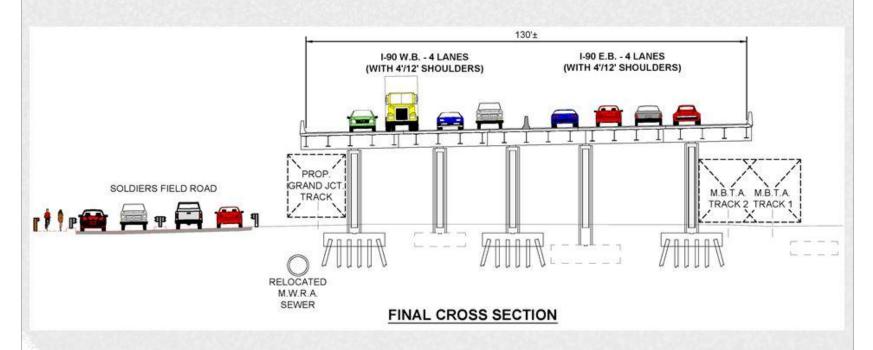




Final Cross Section



- Proposed Section Wider than Existing
- Provides for Shoulders and/or Acceleration-Deceleration Lanes





NEPA / MEPA Alternatives Analysis



- "Heart" of Environmental Impact Analysis
- All Reasonable (Feasible) Alternatives, including No Action (No Build)
- "Reasonable" means technically and economically feasible alternatives that satisfy the primary objectives defined in the Purpose and Need statement
- Logical project termini (rational end points) must be considered
- Public involvement in developing range of alternatives
- Avoidance alternatives under Section 4(f) no "feasible or prudent alternative"
- Avoidance alternatives under Section 106 avoid adverse effect



Council on Environmental Quality Regulations



- Explore and objectively evaluate all reasonable alternatives
- For alternatives eliminated, discuss the reasons for elimination
- Consider in detail so reviewers may evaluate comparative merits
- Include the alternative of No Action
- Identify the agency's preferred alternative or alternatives
- Include appropriate mitigation measures not already included in the proposed action or alternatives



MEPA Regulations



- An analysis of feasible alternatives in light of the objectives of the Proponent
- An analysis of the principal differences among feasible alternatives







- Safety
- Pedestrian Routes
- Bicycle Routes
- · Rail Access
- Bus Access



Traffic Operation



- Safety
- Travel Time/LOS
- Intersection Connectivity







- Cambridge Street
- · Soldiers Field Road
- Future Development Street Network







- Drainage and Stormwater
- Historic Impacts
- Wetlands
- Noise
- Parks/Open Space
- Contaminated Soils
- · Air Quality









- Accommodate Future Development
- Community Cohesion







- Logistics
- Construction Phase Impacts









- Construction Cost
- Construction Schedule
- Maintenance/Life Cycle Cost.





Meets Purpose and Need





Project Alternatives Rating Matrix



Negative 👝

		GROUP I - SUBURBAN TYPE					JEURBAN TYPE	GROUP 3 - URBAN TYPE					
	NG BUILD	OPTION IA	OPTION 18	OPTION IC	OPTION 10	OPTION 24	OPTION 28	DPTION 3A	OPTION 38	OPTION 3C	OPTION 20	DPTION SE	DPTION OF
Traffic Operation				-	HEAT							15 -100	-
Safety		E 1900 P		44.00				17.50		C101001			
Travel Time/LOS								_					
Intersection Connectivity			163 33	2500				lessia.	CERT				
Multi-Modal Connectivity						Till							
Safety													
Pedestrian Routes													
Bicycle Routes			-										
Rail Access			3 3						(1)		(9 9	
Bus Access							7	7075		NO.			
Streetscape				24									
Environmental	524			0.30		33/4	I A	THE P					
Drainage and Stormwater	1 4 5 6 5				100			100					
Historic Impacts				V 6		1000							
Wetlands										CARRO			
Noise					V/								
Parks/Open Space	1000				A					77103			
Contaminated Soils			2 3			o l							
Air		- 1	-										
Land Use													
Accommodate Future Development			-							W. S. Y.			
Community Cohesion					- 0		8 4		- 11	- 11			
Construction									4	//-			
Logistics			7	10 10	10			15-15					
Construction Phase Impacts			10			100	10.	1/3					
Cost/Schedule				JV									
Construction Cost													
Construction Schedule													
Maintenance/Life Cycle Cost		-00											
Meets Purpose & Need						TO THE		M. W.					



Continued Discussion on Preliminary Alternatives



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Next Meeting

- Schedule
- Agenda Items



