

Bow-Concord I-93 Transportation Planning Study

SCREENING SUMMARY - ALTERNATIVE 'A'

Alternative 'A' includes... *(A description of the alternative or concept would follow)*

Project Problem Statement

Marked by aging infrastructure and limited transportation options, the Bow-Concord I-93 Corridor neither meets the varied transportation and safety demands of interstate highway users, nor appropriately balances those demands against the interests of the Capital Region communities in their unique identities and visions, their economic vitality, preservation of and access to their natural and historic resources, and their quality of life. Future population and economic growth, in the region and beyond, will increase transportation demand and further exacerbate this problem.

Project Goal Statement

The Bow-Concord I-93 Corridor should balance the needs of all users and the surrounding communities by providing a safe, affordable, reliable, environmentally acceptable and community compatible transportation system. The system will offer mobility choices and complement the unique character of the Capital Region communities. It will support their economic initiatives, preserve and/or enhance their natural and historic resources, facilitate non-vehicular access, and sustain the communities' quality of life, now and into the future.

Category	Score				
	--	-	0	+	++
Access					
Aesthetics					
Community Resources					
Economic Vitality					
Historic and Archeological Resources					
Implementation					
Mobility					
Natural Environment					
Public Health					
Quality of Life					
Residential Neighborhoods					
Safety					
Support					
Transportation Choice					

<i>(The overall results of the screening would be described here.)</i>	Unreasonable	Reasonable
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SCREENING CRITERIA

The purpose of screening is to evaluate whether a concept is effective in addressing the problems and goals defined for this project. The criteria on the following pages will be used during the planning phase to determine if a concept is reasonable and should be included in the range of reasonable alternatives. The criteria are arranged into fourteen categories that are summarized on the previous page. The Scoring System outlined below is a qualitative measure of a concepts ability to meet the criteria. The Category Score is an overall score for the particular category that is not just the sum of the detailed scoring.

Scoring System				
(- -)	(-)	(0)	(+)	(++)
Fatal Flaw Impact Serious Degradation Unreasonable Strong Opposition	Negative Impact Degradation Opposition	Neutral Not Applicable No Impact	Benefit Improvement Enhancement Support	Substantial Benefit Substantial Improvement Reasonable Strong Support

Detailed Screening Criteria

Access	Score				
	--	-	0	+	++
Evaluate the access provided to and from I-93, I-89 & I-393 in Bow.					
Evaluate the access provided to and from I-93, I-89 & I-393 in Concord.					
Evaluate the access provided to and from I-93, I-89 & I-393 in Pembroke.					
Evaluate the access provided to and from tourist destinations.					
Comments: Category Score					

Aesthetics	Score				
	--	-	0	+	++
Evaluate the views of the adjacent communities <i>from I-93</i> .					
Evaluate the views <i>of I-93</i> from the adjacent communities.					
Evaluate the views of and from the Merrimack River.					
Evaluate whether the unique character of the Capital Region is complemented.					
Comments: Category Score					

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SCREENING CRITERIA

Community Resources	Score				
	--	-	0	+	++
Evaluate the effect on parks.					
Evaluate the effect on schools.					
Comments: Category Score					

Community Vision	Score				
	--	-	0	+	++
Evaluate the compatibility with the visions, land use plan, and major elements of the Bow Master Plan and/or other current planning documents.					
Evaluate the compatibility with the visions, land use plan, and major elements of the Concord Master Plan, the Opportunity Corridor Master Plan, and/or other current planning documents.					
Evaluate the compatibility with the visions, land use plan, and major elements of the Pembroke Master Plan and/or other current planning documents.					
Evaluate the compatibility with the visions, land use plan, and major elements of the master plans and/or other planning documents from the other communities in the region.					
Evaluate the compatibility with the visions, land use plan, and major elements of the CNHRPC Regional Master Plan.					
Evaluate the potential impacts on population and employment growth in the region.					
Comments: Category Score					

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SCREENING CRITERIA

Economic Vitality	Score				
	--	-	0	+	++
Evaluate the potential impacts to Bow's existing businesses and commercial districts.					
Evaluate the potential impacts to Concord's existing businesses and commercial districts.					
Evaluate the potential impacts to Pembroke's existing businesses and commercial districts.					
Evaluate the effects to anticipated economic initiatives in Bow.					
Evaluate the effects to anticipated economic initiatives in Concord.					
Evaluate the effects to anticipated economic initiatives in Pembroke.					
Evaluate the potential impacts to regional economic prospects.					
Comments: Category Score					

Historic and Archeological Resources	Score				
	--	-	0	+	++
Evaluate the effect on historic resources.					
Evaluate the effect on archeological resources.					
Comments: Category Score					

Implementation	Score				
	--	-	0	+	++
Evaluate the cost.					
Evaluate the ability to implement in phases over a period of time.					
Evaluate the ability to maintain mobility and access during construction.					
Comments: Category Score					

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SCREENING CRITERIA

Mobility	Score				
	--	-	0	+	++
Evaluate the effectiveness to provide mobility for tourists <u>to and</u> through the region during peak periods.					
Evaluate the effectiveness to provide mobility for commuters to and from the region during peak periods.					
Evaluate the effectiveness to provide mobility for local traffic movement during peak periods.					
Evaluate the effectiveness to provide for the movement of goods and services in the region.					
Evaluate the effectiveness to provide mobility for pedestrians and bicyclists.					
Comments: Category Score					

Natural Environment	Score				
	--	-	0	+	++
Evaluate the effect on wildlife habitat and fisheries based upon the NH Fish and Game Wildlife Action Plan priorities, for example, the floodplain forest of the Merrimack River and its tributaries and upland vegetated buffers around wetlands and surface waters.					
Evaluate the effect on known or potential habitat for endangered, threatened or special concern wildlife species based upon NH Natural Heritage Bureau mapping and the NH Fish and Game Wildlife Action Plan.					
Evaluate the effect on known or potential habitat for endangered, threatened or special concern plant species based upon NH Natural Heritage Bureau mapping.					
Evaluate the effect on large forest blocks, existing agricultural farms and prime soils for forest land and agriculture.					
Evaluate the effect on surface waters, aquifers, wetlands, floodplains, and riparian areas.					
Comments: Category Score					

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SCREENING CRITERIA

Public Health	Score				
	--	-	0	+	++
Evaluate the effect on air quality during construction (i.e., traffic jams, construction equipment, detours, etc) and post construction including mobile-source air toxins.					
Evaluate the effect on walkable communities.					
Evaluate the effect on drinking water quality and quantity.					
Comments: Category Score					

Quality of Life	Score				
	--	-	0	+	++
Evaluate the effect on the Quality of Life for those living in the region.					
Evaluate the effect on the Quality of Life for those working in the region.					
Evaluate the effect on the Quality of Life for those traveling through the region.					
Evaluate the effect on noise levels.					
Comments: Category Score					

Residential Neighborhoods	Score				
	--	-	0	+	++
Evaluate the effect on existing residential neighborhoods.					
Evaluate the effect on planned or developing residential neighborhoods.					
Comments: Category Score					

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SCREENING CRITERIA

Safety	Score				
	--	-	0	+	++
Evaluate the effectiveness to improve safety on I-93.					
Evaluate the effectiveness to improve safety on I-89.					
Evaluate the effectiveness to improve safety on I-393.					
Evaluate the effectiveness to improve safety on local streets.					
Evaluate the effectiveness to improve safety for pedestrians and bicyclists.					
Comments: Category Score					

Support	Score				
	--	-	0	+	++
Evaluate the support from the public in Bow.					
Evaluate the support from the public in Pembroke.					
Evaluate the support from the public in Concord.					
Evaluate the support from the public in the other communities in the Central NH Region.					
Evaluate the support from those communities whose livelihood is dependent upon travel through the region.					
Evaluate the support from resource agencies.					
Evaluate the support from resource groups.					
Comments: Category Score					

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SCREENING CRITERIA

Transportation Choice	Score				
	--	-	0	+	++
Evaluate the effectiveness to provide for future passenger rail service to the region.					
Evaluate the effectiveness to preserve the current freight rail service and enhance future freight rail service in the region.					
Evaluate the effectiveness to integrate all modes of freight transport in the region including rail, truck and air.					
Evaluate the effectiveness to expand bus service in the region.					
Evaluate the effectiveness to improve pedestrian and bicycle facilities in the region.					
Evaluate the effectiveness to reduce the number of single occupancy vehicles in the region.					
Evaluate the effectiveness to integrate all modes of transportation					
Comments: Category Score					