

Hyannis Access Study Implementation - Evaluation Criteria

<i>Goal</i>		
<i>Improve Mobility and Safety for all Users within the Study Area</i>		
Objective	Evaluation Criteria	Source/Comments
Improve Automobile Traffic Flow In and Around the Study Area	Travel Times, Delays, Level of Service Analysis	Modeling
Improve Safety for Bicyclists, Pedestrian and Motorists	Crash Reduction	Safety Improvement Methods
Improve Emergency Access to the Hospital	Lane Widths and Increased Paved Shoulders	AASHTO and MassDOT Guidelines
Increase Mobility and Transportation Choice for Non-automotive Users	Increase Pedestrian and Bicycle Modes within the Study Area	Sidewalks and Multi-Use Path, ADA Compliance
Improve Pedestrian and Bicyclists' Access and a future connection to the Cape Cod Rail Trail	Multi-Use Path Layout and Connections	Sidewalks and Multi-Use Path, ADA Compliance
<i>Goal</i>		
<i>Decrease Impacts to Residential Neighborhoods</i>		
Objective	Evaluation Criteria	Source/Comments
Minimize Impacts to Local Streets	Traffic Volumes, Access to Local Streets	Modeling
Minimize Impacts to Residential Neighborhoods	Reduced Traffic Congestion, Loss of Residential Neighborhood	Synchro, GIS Mappings of Existing Neighborhood
<i>Goal</i>		
<i>Support Land Use and Cultural Interests</i>		
Objective	Evaluation Criteria	Source/Comments
Support Local Land Use Goals	Barnstable Local Comprehensive Plan - Land Use Goals	Barnstable Local Comprehensive Plan
Support Access to Hyannis Growth Incentive Zone and Land Use Vision	Barnstable Local Comprehensive Plan - Land Use Goals for Growth Incentive Zone	Barnstable Local Comprehensive Plan - Economic Development Component
Minimize Impacts to Historical, Cultural and Architectural Resources	Number of Historic Structures Demolished or Altered	Cape Cod Commission Staff Evaluation of Historic Structures
<i>Goal</i>		
<i>Decrease Impacts to the Natural Environment</i>		
Objective	Evaluation Criteria	Source/Comments
Minimize Impacts to the Natural Environment	Acres of New Disturbance to Woodland, Meadow, etc.	Regional Policy Plan, Local Conservation Commissions
Minimize Impacts to Water Resources	Acres of Disturbance to Contributing Area to Public Supply Wells	Regional Policy Plan - Water Resources Classification, Time of Travel Flow Paths
Minimize Impacts to Rare Species	Acres of Impacts to Rare Species Habitat	Natural Heritage & Endangered Species Program
Minimize Impacts to Wetlands	Acres or Square Feet of New Disturbance to Wetlands or Buffer Areas	Local Conservation Commissions
Improve Air Quality	Emissions of VOCs and NOx	Traffic Volumes, Delays, Modeling
<i>Goal</i>		
<i>Improve Economic Opportunities</i>		
Objective	Evaluation Criteria	Source/Comments
Minimize Impacts to Local Businesses along Route 28	Number of Properties Affected by Concept Plan and Business Turnover	Concept Plans and County Business Patterns
Convenient and reliable access to the Growth Incentive Zone	Ease of travel into/out of Growth Incentive Zone	Modeling and Concept Plans
<i>Goal</i>		
<i>To Evaluate Project Costs and Impacts</i>		
Objective	Evaluation Criteria	Source/Comments
Reduce Construction Costs	MassDOT Cost Estimating	MassDOT
Reduce Right of Way Impacts along Route 28	Number of Properties Affected and Square Feet of Impact	Concept Plans
<i>Goal</i>		
<i>To Maintain Transportation Choices Within The Study Area</i>		
Objective	Evaluation Criteria	Source/Comments
Minimize Impacts to the Railroad	Delays to Existing Rail Service, New At Grade Crossings	Modeling, New At Grade Crossing
Improve Access to Hyannis Transportation Center	Maintain/Improve Access to Hyannis Transportation Center	Modeling/Concept Plans
Improve Access to the Hyannis Ferries	Maintain/Improve Access to Hyannis Ferries	Modeling
To Enhance and/or Reduce Impacts to Barnstable Municipal Airport	Access to Barnstable Municipal Airport (BMA) and BMA Land Affected	Concept Plans