

2017-2021 TIP - Cape Cod 'Highway' Projects

5-9-16 Draft for Discussion

TIP Year 2017

Project	Score	Equity	Status	Fund	Programmed Amount
606707 Dennis, Rte 28 Corridor & Streetscape Improvements [Total TIP Funding = \$5,597,012]	79	I, M	75sub	TAP	\$193,036
				HSIP	\$458,514
				CMAQ	\$4,945,462
Cape Cod, Bicycle Rack Program	52	TDB	final	CMAQ	\$100,000
Barnstable, CCRTA Hyannis Loop Demo (Year 2 of 3)	60	I, M, LEP	final	CMAQ	\$685,464
Target				Programmed	
Regional Target Subtotal	\$9,517,607			\$6,382,476	\$3,135,131 Available
Total				\$6,382,476	

TIP Year 2018

Project	Score	Equity	Status	Fund	Programmed Amount
607444 Falmouth, Rte 28A at Rte 151 [Total TIP Funding = \$2,909,773]	63	M	25sub	TAP	\$210,307
				HSIP	\$2,699,466
607435 Barnstable, Rte 28 at Osterville-West Barnstable Rd	65	M, LEP	25sub	CMAQ	\$2,404,331
606596 Chatham, Rte 28 - George Ryder Rd to Barn Hill Rd	66	None	75sub	STP	\$3,465,044
Cape Cod, Bicycle Rack Program	52	TDB	final	CMAQ	\$100,000
Barnstable, CCRTA Hyannis Loop Demo (Year 3 of 3)	60	I, M, LEP	final	CMAQ	\$711,828
607398 Yarmouth-Barnstable, Cape Cod Rail Trail Extension	82	I, M, LEP	25sub	CMAQ	\$7,349,832
608201 Har-Brew-Orl, Route 6 Resurfacing	48	I, M	prelim	NHPP & STP-TE	\$6,879,600
Target				Programmed	
Regional Target Subtotal	\$9,884,419			\$9,590,976	\$293,443 Available
Statewide Subtotal				\$14,229,432	
Total				\$23,820,408	

TIP Year 2019

Project	Score	Equity	Status	Fund	Programmed Amount
607397 Wellfleet, Rte 6 at Main St [Total TIP Funding = \$2,320,464]	82	None	prelim	TAP	\$193,036
				HSIP	\$2,127,428
606272 Barnstable, Rte 28 at Yarmouth Rd [Total TIP Funding = \$6,646,775]	83	I, M, LEP	25sub	CMAQ	\$6,105,975
				Statewide CMAQ	\$540,800
Cape Cod, Bicycle Rack Program	52	TDB	final	CMAQ	\$100,000
Target				Programmed	
Regional Target Subtotal	\$9,884,419			\$8,874,203	\$1,010,216 Available
Statewide Subtotal				\$540,800	
Total				\$8,874,203	

TIP Year 2020

Project	Score	Equity	Status	Fund	Programmed Amount
607319 Mashpee, Rte 151 [AC Year 1 of 2] [Total Estimated Cost (2020 dollars) = \$9,240,112 - AC over 2020 and 2021]	80	M, LEP	prelim	TAP	\$242,367
				HSIP	\$2,997,745
606900 Bourne, Belmont Circle Multi-modal Improvements	82	M	prelim	CMAQ	\$6,048,000
Cape Cod, Bicycle Rack Program	52	TDB	final	CMAQ	\$100,000
Target				Programmed	
Regional Target Subtotal	\$10,118,502			\$9,388,112	\$730,390 Available
Total				\$9,388,112	

TIP Year 2021

Project	Score	Equity	Status	Fund	Programmed Amount
Mashpee, Rte 151 [AC Year 2 of 2]	80	M, LEP	prelim	TAP	\$319,725
				HSIP	\$5,680,275
607405 Chatham, Rte 28 at Main St, Depot Rd, Queen Anne Rd and Crowell	76	None	prelim	CMAQ	\$3,072,000
Cape Cod, Bicycle Rack Program	52	TDB	final	CMAQ	\$100,000
Target				Programmed	
Regional Target Subtotal	\$10,118,502			\$9,172,000	\$946,502 Available
Total				\$9,172,000	

Unprogrammed Projects for Discussion

Project	Score	Equity	Status	Potential Fund	Est. Construction Cost
608422 Sandwich, Shared Use Path on Service Rd (Rte 130 to Chase Rd)	76	M	prelim	STP	\$5,000,400
608196 Dennis, Route 28 Streetscape Improvements (Phase 2)	79	I, M	prelim	STP	\$4,500,000
607394 Yarmouth, Rte 6 Exit 8 Ramps	71	I, M, LEP	prelim	HSIP	\$5,000,400
606082 Bourne, Rte 6 Scenic Highway Median Installation	60	M	prelim	HSIP	\$8,050,000
608264 Yarmouth, Rte 28 Resurfacing and Related Work	61	I, M, LEP	prelim	STP	\$4,000,000
606276 Barnstable, Route 132 at Route 6A	67	I, M, LEP	prelim	STP	\$1,200,000
606236 Barnstable, Rte 28 Resurfacing and Related Work	51	I, M, LEP	prelim	STP	\$2,875,000

Notes: 25app = 25% design plans approved, 25sub = 25% design plans submitted, AC = advanced construction; CCNS = Cape Cod National Seashore; CCRT = Cape Cod Rail Trail; CCRTA = Cape Cod Regional Transit Authority; CMAQ = Congestion Mitigation and Air Quality Program; Equity analysis included for Title VI and other equity considerations; FDR = Functional Design Report; HSIP = Highway Safety Improvement Program; I = Income; LEP = Limited English Proficiency; M = Minority; NHPP = National Highway Performance Program; prelim = preliminary design phase; RSA = Road Safety Audit; STP = Surface Transportation Program; TAP = Transportation Alternatives Program; TIP = Transportation Improvement Program; TL = Town line

See www.capecodcommission.org/tip for an interactive map and the latest information on TIP development

Cape Cod TIP Project Evaluation (For FFY2017-2021 TIP)**Project# Potential TIP Year**

Dennis, Rte 28 Corridor & Streetscape Improvements

606707

2017

Basic Project Information	
MassDOT Project Name	DENNIS- CORRIDOR AND STREETScape IMPROVEMENTS ON MAIN STREET (ROUTE 28) FROM DENNIS COMMONS DRIVE TO UPPER COUNTY ROAD.
Proponent	Town
Design Status	75sub
Cost Estimate	\$5,597,012
Project Length (miles)	.66
Anticipated Number of Users	10,000
Anticipated Funding Program(s)	CMAQ
Detailed Project Description	This project is intended to improve multi-modal accommodation through the reconstruction of sidewalks to ADA specification, providing wider, bicycle accommodating shoulders and streetscape elements including new plantings and street lighting.

Project Scoring Summary	Score	Comments
A - System Preservation and Modernization	27 / 35	
B - Mobility	8 / 10	
C - Safety	9 / 10	
D - Economic Impact	10 / 10	
E - Environmental and Health Effects	7 / 10	
F - Cost Effectiveness	10 / 15	
G - Policy Support	8 / 10	
Total	79 / 100	Note: see next page for scoring details.

Questions for Challenge and Opportunity Identification	Response	Anticipated Action/Response
Location includes gap in bicycle/pedestrian network?	Yes	Improved accommodation to address gap within the project limits
Location within a key signal corridor?	No	
Bottleneck location?	No	
Location within a stormwater management sensitive area?	Yes	A portion of the project is in a sensitive area; some LID features included, more should be
Project provides access to or within village centers (identify)	Yes	Improves ped access to Dennisport
Location susceptible to sea level rise? (describe)	Yes	In SLOSH & FEMA floodplain; stormwater improvements included
Project affects includes a bridge or culvert? (identify)	No	
Location is proximate to a Title VI community? (specify type: I = Income, M = Minority, LEP = Limited English Proficiency)	I, M	Improved bicycle/ pedestrian access, safety

Cape Cod TIP Project Evaluation (For FFY2017-2021 TIP)**Project# Potential TIP Year**

Dennis, Rte 28 Corridor & Streetscape Improvements

606707

2017

A - System Preservation and Modernization Scoring	Score
1. Primary asset condition / effect on condition	12 / 15
2. Enhancements to other assets	10 / 10
3. Use of modern technology to improve efficiency and support ITS regional efforts	5 / 10
Subtotal	27 / 35
B - Mobility Scoring	Score
1. Existing motorist congestion / effect on motorist congestion	2 / 4
2. Effect on mobility / accommodation of non-motorists	3 / 3
3. Effect on connectivity / access	3 / 3
Subtotal	8 / 10
C - Safety Scoring	Score
1. Motorist crash history and anticipated safety impact	5 / 5
2. Non-motorist crash history and anticipated safety impact	4 / 5
Subtotal	9 / 10
D - Economic Impact Scoring	Score
1. Effect on access to or within a regionally-designated economic development area	4 / 4
2. Effect on access to or within a locally-designated business district	3 / 3
3. Effect on connections between housing, job, cultural centers, & essential services within & beyond the region or effect on the freight network	3 / 3
Subtotal	10 / 10
E - Environmental and Health Effects Scoring	Score
1. Effect on wetlands, wildlife, or other resource protection	2 / 2
2. Effect on water quality through stormwater management and treatment with an emphasis on for nitrogen	1 / 2
3. Effect on air quality / GHG emission	2 / 2
4. Coastal Resiliency / Sea Level Rise Vulnerability	0 / 2
5. Effect on cultural resources or open space	1 / 1
6. Healthy Transportation Options	1 / 1
Subtotal	7 / 10
F - Cost Effectiveness Scoring	Score
1. Project cost per user	10 / 15
G - Policy Support Scoring	Score
1. Community support (as demonstrated through highest elected officials)	2 / 3
2. Regional plans/policies	3 / 3
3. Local plans/policies	2 / 2
4. Project supports Federal or State (including MassDOT) policies and goals not accounted for in other criteria	1 / 2
Subtotal	8 / 10
Total	79 / 100

Cape Cod TIP Project Evaluation (For FFY2017-2021 TIP)

Project# Potential TIP Year

Cape Cod, Bicycle Rack Program

245317

2017-2021

Basic Project Information	
MassDOT Project Name	NA
Proponent	CCC
Design Status	final
Cost Estimate	\$100,000
Project Length (miles)	NA
Anticipated Number of Users	
Anticipated Funding Program(s)	CMAQ
Detailed Project Description	Reimbursement program for the towns and other eligible entities to receive bicycle racks.

Project Scoring Summary	Score	Comments
A - System Preservation and Modernization	15 / 35	
B - Mobility	5 / 10	
C - Safety	1 / 10	
D - Economic Impact	5 / 10	
E - Environmental and Health Effects	4 / 10	
F - Cost Effectiveness	15 / 15	
G - Policy Support	7 / 10	
Total	52 / 100	Note: see next page for scoring details.

Questions for Challenge and Opportunity Identification	Response	Anticipated Action/Response
Location includes gap in bicycle/pedestrian network?	NA	
Location within a key signal corridor?	NA	
Bottleneck location?	NA	
Location within a stormwater management sensitive area?	NA	
Project provides access to or within village centers (identify)	NA	
Location susceptible to sea level rise? (describe)	NA	
Project affects includes a bridge or culvert? (identify)	NA	
Location is proximate to a Title VI community? (specify type: I = Income, M = Minority, LEP = Limited English Proficiency)	TDB	Improved bicycle amenities

A - System Preservation and Modernization Scoring		Score
1. Primary asset condition / effect on condition		15 / 15
2. Enhancements to other assets		0 / 10
3. Use of modern technology to improve efficiency and support ITS regional efforts		0 / 10
	Subtotal	15 / 35
B - Mobility Scoring		Score
1. Existing motorist congestion / effect on motorist congestion		1 / 4
2. Effect on mobility / accommodation of non-motorists		2 / 3
3. Effect on connectivity / access		2 / 3
	Subtotal	5 / 10
C - Safety Scoring		Score
1. Motorist crash history and anticipated safety impact		0 / 5
2. Non-motorist crash history and anticipated safety impact		1 / 5
	Subtotal	1 / 10
D - Economic Impact Scoring		Score
1. Effect on access to or within a regionally-designated economic development area		2 / 4
2. Effect on access to or within a locally-designated business district		2 / 3
3. Effect on connections between housing, job, cultural centers, & essential services within & beyond the region or effect on the freight network		1 / 3
	Subtotal	5 / 10
E - Environmental and Health Effects Scoring		Score
1. Effect on wetlands, wildlife, or other resource protection		0 / 2
2. Effect on water quality through stormwater management and treatment with an emphasis on for nitrogen		0 / 2
3. Effect on air quality / GHG emission		2 / 2
4. Coastal Resiliency / Sea Level Rise Vulnerability		0 / 2
5. Effect on cultural resources or open space		1 / 1
6. Healthy Transportation Options		1 / 1
	Subtotal	4 / 10
F - Cost Effectiveness Scoring		Score
1. Project cost per user		15 / 15
G - Policy Support Scoring		Score
1. Community support (as demonstrated through highest elected officials)		3 / 3
2. Regional plans/policies		2 / 3
3. Local plans/policies		1 / 2
4. Project supports Federal or State (including MassDOT) policies and goals not accounted for in other criteria		1 / 2
	Subtotal	7 / 10
Total		52 / 100

Cape Cod TIP Project Evaluation (For FFY2017-2021 TIP)

Project# Potential TIP Year

Barnstable, CCRTA Hyannis Loop Demo

201701 2017/2018

Basic Project Information	
MassDOT Project Name	BARNSTABLE - HYANNIS LOOP DEMONSTATION
Proponent	CCRTA
Design Status	final
Cost Estimate	\$685,464/\$711,828
Project Length (miles)	NA
Anticipated Number of Users	106
Anticipated Funding Program(s)	CMAQ>FTA
Detailed Project Description	

Project Scoring Summary	Score	Comments
A - System Preservation and Modernization	14 / 35	
B - Mobility	9 / 10	
C - Safety	4 / 10	
D - Economic Impact	10 / 10	
E - Environmental and Health Effects	2 / 10	
F - Cost Effectiveness	15 / 15	
G - Policy Support	6 / 10	
Total	60 / 100	Note: see next page for scoring details.

Questions for Challenge and Opportunity Identification	Response	Anticipated Action/Response
Location includes gap in bicycle/pedestrian network?		
Location within a key signal corridor?		
Bottleneck location?		
Location within a stormwater management sensitive area?		
Project provides access to or within village centers (identify)		
Location susceptible to sea level rise? (describe)		
Project affects includes a bridge or culvert? (identify)		
Location is proximate to a Title VI community? (specify type: I = Income, M = Minority, LEP = Limited English Proficiency)	I, M, LEP	Improved transit connections

A - System Preservation and Modernization Scoring		Score
1. Primary asset condition / effect on condition		8 / 15
2. Enhancements to other assets		3 / 10
3. Use of modern technology to improve efficiency and support ITS regional efforts		3 / 10
	Subtotal	14 / 35
B - Mobility Scoring		Score
1. Existing motorist congestion / effect on motorist congestion		3 / 4
2. Effect on mobility / accommodation of non-motorists		3 / 3
3. Effect on connectivity / access		3 / 3
	Subtotal	9 / 10
C - Safety Scoring		Score
1. Motorist crash history and anticipated safety impact		2 / 5
2. Non-motorist crash history and anticipated safety impact		2 / 5
	Subtotal	4 / 10
D - Economic Impact Scoring		Score
1. Effect on access to or within a regionally-designated economic development area		4 / 4
2. Effect on access to or within a locally-designated business district		3 / 3
3. Effect on connections between housing, job, cultural centers, & essential services within & beyond the region or effect on the freight network		3 / 3
	Subtotal	10 / 10
E - Environmental and Health Effects Scoring		Score
1. Effect on wetlands, wildlife, or other resource protection		0 / 2
2. Effect on water quality through stormwater management and treatment with an emphasis on for nitrogen		0 / 2
3. Effect on air quality / GHG emission		1 / 2
4. Coastal Resiliency / Sea Level Rise Vulnerability		0 / 2
5. Effect on cultural resources or open space		0 / 1
6. Healthy Transportation Options		1 / 1
	Subtotal	2 / 10
F - Cost Effectiveness Scoring		Score
1. Project cost per user		15 / 15
G - Policy Support Scoring		Score
1. Community support (as demonstrated through highest elected officials)		2 / 3
2. Regional plans/policies		2 / 3
3. Local plans/policies		1 / 2
4. Project supports Federal or State (including MassDOT) policies and goals not accounted for in other criteria		1 / 2
	Subtotal	6 / 10
Total		60 / 100

Cape Cod TIP Project Evaluation (For FFY2017-2021 TIP)**Project# Potential TIP Year**

Falmouth, Rte 28A at Rte 151

607444

2018

Basic Project Information	
MassDOT Project Name	FALMOUTH- INTERSECTION IMPROVEMENTS & RELATED WORK AT NORTH FALMOUTH HIGHWAY (ROUTE 28A),NATHAN ELLIS HIGHWAY (ROUTE 151) AND COUNTY ROAD
Proponent	MassDOT
Design Status	25sub
Cost Estimate	\$2,797,859
Project Length (miles)	.25
Anticipated Number of Users	15,000
Anticipated Funding Program(s)	HSIP
Detailed Project Description	This project is intended to address the following needs: upgrading of traffic signals; geometric work in the form of minor widening; providing multi-modal accommodation.

Project Scoring Summary	Score	Comments
A - System Preservation and Modernization	28 / 35	
B - Mobility	7 / 10	
C - Safety	7 / 10	
D - Economic Impact	4 / 10	
E - Environmental and Health Effects	3 / 10	
F - Cost Effectiveness	8 / 15	
G - Policy Support	6 / 10	
Total	63 / 100	Note: see next page for scoring details.

Questions for Challenge and Opportunity Identification	Response	Anticipated Action/Response
Location includes gap in bicycle/pedestrian network?	Yes	Improved accommodation to address gap within the project limits
Location within a key signal corridor?	No	
Bottleneck location?	No	
Location within a stormwater management sensitive area?	Yes	
Project provides access to or within village centers (identify)	No	
Location susceptible to sea level rise? (describe)	No	
Project affects includes a bridge or culvert? (identify)	No	
Location is proximate to a Title VI community? (specify type: I = Income, M = Minority, LEP = Limited English Proficiency)	M	Improved bicycle/ pedestrian access, safety, traffic flow

Cape Cod TIP Project Evaluation (For FFY2017-2021 TIP)**Project# Potential TIP Year**

Falmouth, Rte 28A at Rte 151

607444

2018

A - System Preservation and Modernization Scoring	Score
1. Primary asset condition / effect on condition	10 / 15
2. Enhancements to other assets	10 / 10
3. Use of modern technology to improve efficiency and support ITS regional efforts	8 / 10
Subtotal	28 / 35
B - Mobility Scoring	Score
1. Existing motorist congestion / effect on motorist congestion	1 / 4
2. Effect on mobility / accommodation of non-motorists	3 / 3
3. Effect on connectivity / access	3 / 3
Subtotal	7 / 10
C - Safety Scoring	Score
1. Motorist crash history and anticipated safety impact	5 / 5
2. Non-motorist crash history and anticipated safety impact	2 / 5
Subtotal	7 / 10
D - Economic Impact Scoring	Score
1. Effect on access to or within a regionally-designated economic development area	0 / 4
2. Effect on access to or within a locally-designated business district	3 / 3
3. Effect on connections between housing, job, cultural centers, & essential services within & beyond the region or effect on the freight network	1 / 3
Subtotal	4 / 10
E - Environmental and Health Effects Scoring	Score
1. Effect on wetlands, wildlife, or other resource protection	0 / 2
2. Effect on water quality through stormwater management and treatment with an emphasis on for nitrogen	1 / 2
3. Effect on air quality / GHG emission	1 / 2
4. Coastal Resiliency / Sea Level Rise Vulnerability	0 / 2
5. Effect on cultural resources or open space	0 / 1
6. Healthy Transportation Options	1 / 1
Subtotal	3 / 10
F - Cost Effectiveness Scoring	Score
1. Project cost per user	8 / 15
G - Policy Support Scoring	Score
1. Community support (as demonstrated through highest elected officials)	3 / 3
2. Regional plans/policies	1 / 3
3. Local plans/policies	1 / 2
4. Project supports Federal or State (including MassDOT) policies and goals not accounted for in other criteria	1 / 2
Subtotal	6 / 10
Total	63 / 100

Cape Cod TIP Project Evaluation (For FFY2017-2021 TIP)**Project# Potential TIP Year**

Barnstable, Rte 28 at Osterville-West Barnstable Rd

607435

2018

Basic Project Information	
MassDOT Project Name	BARNSTABLE- INTERSECTION IMPROVEMENTS @ FALMOUTH ROAD (ROUTE 28) & OSTERVILLE-WEST BARNSTABLE ROAD
Proponent	MassDOT
Design Status	25sub
Cost Estimate	\$2,311,857
Project Length (miles)	.25
Anticipated Number of Users	25,000
Anticipated Funding Program(s)	CMAQ
Detailed Project Description	This project proposes to address vehicular safety by upgrading traffic signals to include exclusive left turn lanes at the Route 28 approaches in addition to emergency vehicle pre-emption. There is also a need to improve bicycle and pedestrian accommodation at the intersection in addition to updating pavement markings and signage.

Project Scoring Summary	Score	Comments
A - System Preservation and Modernization	26 / 35	
B - Mobility	8 / 10	
C - Safety	7 / 10	
D - Economic Impact	2 / 10	
E - Environmental and Health Effects	3 / 10	
F - Cost Effectiveness	12 / 15	
G - Policy Support	7 / 10	
Total	65 / 100	Note: see next page for scoring details.

Questions for Challenge and Opportunity Identification	Response	Anticipated Action/Response
Location includes gap in bicycle/pedestrian network?	Yes	Improved accommodation to address gap within the project limits
Location within a key signal corridor?	No	
Bottleneck location?	Yes	
Location within a stormwater management sensitive area?	Yes	
Project provides access to or within village centers (identify)	Yes	
Location susceptible to sea level rise? (describe)	No	
Project affects includes a bridge or culvert? (identify)	No	
Location is proximate to a Title VI community? (specify type: I = Income, M = Minority, LEP = Limited English Proficiency)	M, LEP	Improved bicycle/ pedestrian access, safety, traffic flow

Cape Cod TIP Project Evaluation (For FFY2017-2021 TIP)**Project# Potential TIP Year**

Barnstable, Rte 28 at Osterville-West Barnstable Rd

607435

2018

A - System Preservation and Modernization Scoring	Score
1. Primary asset condition / effect on condition	8 / 15
2. Enhancements to other assets	10 / 10
3. Use of modern technology to improve efficiency and support ITS regional efforts	8 / 10
Subtotal	26 / 35
B - Mobility Scoring	Score
1. Existing motorist congestion / effect on motorist congestion	3 / 4
2. Effect on mobility / accommodation of non-motorists	3 / 3
3. Effect on connectivity / access	2 / 3
Subtotal	8 / 10
C - Safety Scoring	Score
1. Motorist crash history and anticipated safety impact	5 / 5
2. Non-motorist crash history and anticipated safety impact	2 / 5
Subtotal	7 / 10
D - Economic Impact Scoring	Score
1. Effect on access to or within a regionally-designated economic development area	0 / 4
2. Effect on access to or within a locally-designated business district	0 / 3
3. Effect on connections between housing, job, cultural centers, & essential services within & beyond the region or effect on the freight network	2 / 3
Subtotal	2 / 10
E - Environmental and Health Effects Scoring	Score
1. Effect on wetlands, wildlife, or other resource protection	0 / 2
2. Effect on water quality through stormwater management and treatment with an emphasis on for nitrogen	1 / 2
3. Effect on air quality / GHG emission	1 / 2
4. Coastal Resiliency / Sea Level Rise Vulnerability	0 / 2
5. Effect on cultural resources or open space	0 / 1
6. Healthy Transportation Options	1 / 1
Subtotal	3 / 10
F - Cost Effectiveness Scoring	Score
1. Project cost per user	12 / 15
G - Policy Support Scoring	Score
1. Community support (as demonstrated through highest elected officials)	2 / 3
2. Regional plans/policies	3 / 3
3. Local plans/policies	1 / 2
4. Project supports Federal or State (including MassDOT) policies and goals not accounted for in other criteria	1 / 2
Subtotal	7 / 10
Total	65 / 100

Cape Cod TIP Project Evaluation (For FFY2017-2021 TIP)**Project# Potential TIP Year**

Chatham, Rte 28 - George Ryder Rd to Barn Hill Rd

606596

2018

Basic Project Information	
MassDOT Project Name	CHATHAM- IMPROVEMENTS ON WEST MAIN STREET (ROUTE 28), FROM GEORGE RYDER ROAD TO BARN HILL ROAD
Proponent	town
Design Status	75sub
Cost Estimate	\$3,331,773
Project Length (miles)	.32
Anticipated Number of Users	15,800
Anticipated Funding Program(s)	STP
Detailed Project Description	The purpose of this project is to construct safety and multimodal improvements along a 1700 foot linear segment of West Main Street (Route 28) between George Ryder Road and Barn Hill Road. The intent of the project is to provide improved safety and accessibility for bicyclists, pedestrians and motorists traveling through this corridor.

Project Scoring Summary	Score	Comments
A - System Preservation and Modernization	26 / 35	
B - Mobility	9 / 10	
C - Safety	5 / 10	
D - Economic Impact	4 / 10	
E - Environmental and Health Effects	4 / 10	
F - Cost Effectiveness	10 / 15	
G - Policy Support	8 / 10	
Total	66 / 100	Note: see next page for scoring details.

Questions for Challenge and Opportunity Identification	Response	Anticipated Action/Response
Location includes gap in bicycle/pedestrian network?	Yes	Improved accommodation to address gap within the project limits
Location within a key signal corridor?	No	
Bottleneck location?	No	
Location within a stormwater management sensitive area?	Yes	
Project provides access to or within village centers (identify)	No	
Location susceptible to sea level rise? (describe)	No	
Project affects includes a bridge or culvert? (identify)	No	
Location is proximate to a Title VI community? (specify type: I = Income, M = Minority, LEP = Limited English Proficiency)	None	

Cape Cod TIP Project Evaluation (For FFY2017-2021 TIP)**Project# Potential TIP Year**

Chatham, Rte 28 - George Ryder Rd to Barn Hill Rd

606596

2018

A - System Preservation and Modernization Scoring	Score
1. Primary asset condition / effect on condition	6 / 15
2. Enhancements to other assets	10 / 10
3. Use of modern technology to improve efficiency and support ITS regional efforts	10 / 10
Subtotal	26 / 35
B - Mobility Scoring	Score
1. Existing motorist congestion / effect on motorist congestion	3 / 4
2. Effect on mobility / accommodation of non-motorists	3 / 3
3. Effect on connectivity / access	3 / 3
Subtotal	9 / 10
C - Safety Scoring	Score
1. Motorist crash history and anticipated safety impact	2 / 5
2. Non-motorist crash history and anticipated safety impact	3 / 5
Subtotal	5 / 10
D - Economic Impact Scoring	Score
1. Effect on access to or within a regionally-designated economic development area	0 / 4
2. Effect on access to or within a locally-designated business district	2 / 3
3. Effect on connections between housing, job, cultural centers, & essential services within & beyond the region or effect on the freight network	2 / 3
Subtotal	4 / 10
E - Environmental and Health Effects Scoring	Score
1. Effect on wetlands, wildlife, or other resource protection	0 / 2
2. Effect on water quality through stormwater management and treatment with an emphasis on for nitrogen	1 / 2
3. Effect on air quality / GHG emission	1 / 2
4. Coastal Resiliency / Sea Level Rise Vulnerability	0 / 2
5. Effect on cultural resources or open space	1 / 1
6. Healthy Transportation Options	1 / 1
Subtotal	4 / 10
F - Cost Effectiveness Scoring	Score
1. Project cost per user	10 / 15
G - Policy Support Scoring	Score
1. Community support (as demonstrated through highest elected officials)	3 / 3
2. Regional plans/policies	3 / 3
3. Local plans/policies	1 / 2
4. Project supports Federal or State (including MassDOT) policies and goals not accounted for in other criteria	1 / 2
Subtotal	8 / 10
Total	66 / 100

Cape Cod TIP Project Evaluation (For FFY2017-2021 TIP)

Project# Potential TIP Year

Yarmouth-Barnstable, Cape Cod Rail Trail Extension

607398

2018

Basic Project Information	
MassDOT Project Name	YARMOUTH- BARNSTABLE- CAPE COD RAIL TRAIL EXTENSION, FROM STATION AVENUE (YARMOUTH) TO ROUTE 132 (BARNSTABLE)
Proponent	towns
Design Status	25sub
Cost Estimate	\$7,067,146
Project Length (miles)	3.84
Anticipated Number of Users	2,000
Anticipated Funding Program(s)	CMAQ
Detailed Project Description	This project is intended to provide an extension of the Cape Cod Rail Trail multi-use path connecting the communities of Barnstable and Yarmouth.

Project Scoring Summary	Score	Comments
A - System Preservation and Modernization	32 / 35	
B - Mobility	9 / 10	
C - Safety	8 / 10	
D - Economic Impact	10 / 10	
E - Environmental and Health Effects	4 / 10	
F - Cost Effectiveness	10 / 15	
G - Policy Support	9 / 10	
Total	82 / 100	Note: see next page for scoring details.

Questions for Challenge and Opportunity Identification	Response	Anticipated Action/Response
Location includes gap in bicycle/pedestrian network?	Yes	Improved accommodation to address gap within the project limits
Location within a key signal corridor?	No	
Bottleneck location?	No	
Location within a stormwater management sensitive area?	Yes	Relatively minor impacts anticipated
Project provides access to or within village centers (identify)	Yes	Will improve access to Hyannis
Location susceptible to sea level rise? (describe)	No	
Project affects includes a bridge or culvert? (identify)	No	
Location is proximate to a Title VI community? (specify type: I = Income, M = Minority, LEP = Limited English Proficiency)	I, M, LEP	Improved bicycle/ pedestrian access, safety

Cape Cod TIP Project Evaluation (For FFY2017-2021 TIP)**Project# Potential TIP Year**

Yarmouth-Barnstable, Cape Cod Rail Trail Extension

607398

2018

A - System Preservation and Modernization Scoring	Score
1. Primary asset condition / effect on condition	15 / 15
2. Enhancements to other assets	10 / 10
3. Use of modern technology to improve efficiency and support ITS regional efforts	7 / 10
Subtotal	32 / 35
B - Mobility Scoring	Score
1. Existing motorist congestion / effect on motorist congestion	3 / 4
2. Effect on mobility / accommodation of non-motorists	3 / 3
3. Effect on connectivity / access	3 / 3
Subtotal	9 / 10
C - Safety Scoring	Score
1. Motorist crash history and anticipated safety impact	3 / 5
2. Non-motorist crash history and anticipated safety impact	5 / 5
Subtotal	8 / 10
D - Economic Impact Scoring	Score
1. Effect on access to or within a regionally-designated economic development area	4 / 4
2. Effect on access to or within a locally-designated business district	3 / 3
3. Effect on connections between housing, job, cultural centers, & essential services within & beyond the region or effect on the freight network	3 / 3
Subtotal	10 / 10
E - Environmental and Health Effects Scoring	Score
1. Effect on wetlands, wildlife, or other resource protection	0 / 2
2. Effect on water quality through stormwater management and treatment with an emphasis on for nitrogen	0 / 2
3. Effect on air quality / GHG emission	2 / 2
4. Coastal Resiliency / Sea Level Rise Vulnerability	0 / 2
5. Effect on cultural resources or open space	1 / 1
6. Healthy Transportation Options	1 / 1
Subtotal	4 / 10
F - Cost Effectiveness Scoring	Score
1. Project cost per user	10 / 15
G - Policy Support Scoring	Score
1. Community support (as demonstrated through highest elected officials)	3 / 3
2. Regional plans/policies	3 / 3
3. Local plans/policies	2 / 2
4. Project supports Federal or State (including MassDOT) policies and goals not accounted for in other criteria	1 / 2
Subtotal	9 / 10
Total	82 / 100

Cape Cod TIP Project Evaluation (For FFY2017-2021 TIP)

Project# Potential TIP Year

Har-Brew-Orl, Route 6 Resurfacing

608201

2018

Basic Project Information	
MassDOT Project Name	HARWICH- BREWSTER- ORLEANS- RESURFACING AND RELATED WORK ON ROUTE 6
Proponent	
Design Status	prelim
Cost Estimate	\$6,615,000
Project Length (miles)	18.1
Anticipated Number of Users	24,000
Anticipated Funding Program(s)	
Detailed Project Description	Work on this project includes roadway resurfacing (mill and overlay) of the existing roadway from the east of the Route 124 interchange in Harwich to the west of the Orleans Rotary.

Project Scoring Summary	Score	Comments
A - System Preservation and Modernization	17 / 35	
B - Mobility	2 / 10	
C - Safety	2 / 10	
D - Economic Impact	5 / 10	
E - Environmental and Health Effects	2 / 10	
F - Cost Effectiveness	15 / 15	
G - Policy Support	5 / 10	
Total	48 / 100	Note: see next page for scoring details.

Questions for Challenge and Opportunity Identification	Response	Anticipated Action/Response
Location includes gap in bicycle/pedestrian network?	No	
Location within a key signal corridor?	No	
Bottleneck location?	Yes	
Location within a stormwater management sensitive area?	Yes	
Project provides access to or within village centers (identify)	Yes	
Location susceptible to sea level rise? (describe)	Yes	Near the Eastham/Orleans rotary
Project affects includes a bridge or culvert? (identify)	Yes	
Location is proximate to a Title VI community? (specify type: I = Income, M = Minority, LEP = Limited English Proficiency)	I, M	Improved pavement condition

Cape Cod TIP Project Evaluation (For FFY2017-2021 TIP)**Project# Potential TIP Year**

Har-Brew-Orl, Route 6 Resurfacing

608201

2018

A - System Preservation and Modernization Scoring		Score
1. Primary asset condition / effect on condition		12 / 15
2. Enhancements to other assets		5 / 10
3. Use of modern technology to improve efficiency and support ITS regional efforts		0 / 10
	Subtotal	17 / 35
B - Mobility Scoring		Score
1. Existing motorist congestion / effect on motorist congestion		1 / 4
2. Effect on mobility / accommodation of non-motorists		0 / 3
3. Effect on connectivity / access		1 / 3
	Subtotal	2 / 10
C - Safety Scoring		Score
1. Motorist crash history and anticipated safety impact		2 / 5
2. Non-motorist crash history and anticipated safety impact		0 / 5
	Subtotal	2 / 10
D - Economic Impact Scoring		Score
1. Effect on access to or within a regionally-designated economic development area		2 / 4
2. Effect on access to or within a locally-designated business district		1 / 3
3. Effect on connections between housing, job, cultural centers, & essential services within & beyond the region or effect on the freight network		2 / 3
	Subtotal	5 / 10
E - Environmental and Health Effects Scoring		Score
1. Effect on wetlands, wildlife, or other resource protection		1 / 2
2. Effect on water quality through stormwater management and treatment with an emphasis on for nitrogen		1 / 2
3. Effect on air quality / GHG emission		0 / 2
4. Coastal Resiliency / Sea Level Rise Vulnerability		0 / 2
5. Effect on cultural resources or open space		0 / 1
6. Healthy Transportation Options		0 / 1
	Subtotal	2 / 10
F - Cost Effectiveness Scoring		Score
1. Project cost per user		15 / 15
G - Policy Support Scoring		Score
1. Community support (as demonstrated through highest elected officials)		1 / 3
2. Regional plans/policies		2 / 3
3. Local plans/policies		1 / 2
4. Project supports Federal or State (including MassDOT) policies and goals not accounted for in other criteria		1 / 2
	Subtotal	5 / 10
		Total
		48 / 100

Cape Cod TIP Project Evaluation (For FFY2017-2021 TIP)

Project# Potential TIP Year

Wellfleet, Rte 6 at Main St

607397

2019

Basic Project Information	
MassDOT Project Name	WELLFLEET- INTERSECTION IMPROVEMENTS & RELATED WORK AT ROUTE 6 & MAIN STREET
Proponent	town
Design Status	prelim
Cost Estimate	\$2,000,400
Project Length (miles)	.25
Anticipated Number of Users	16,000
Anticipated Funding Program(s)	HSIP
Detailed Project Description	This project proposes to address traffic safety, multi-modal accommodation and the need for updated pavement markings. Upgrading of the traffic signals to include ped activation is proposed, in addition to the construction of sidewalks and extensions at the intersection. Pavement markings are also proposed to be updated at the intersection crossings.

Project Scoring Summary	Score	Comments
A - System Preservation and Modernization	34 / 35	
B - Mobility	9 / 10	
C - Safety	9 / 10	
D - Economic Impact	9 / 10	
E - Environmental and Health Effects	5 / 10	
F - Cost Effectiveness	8 / 15	
G - Policy Support	8 / 10	
Total	82 / 100	Note: see next page for scoring details.

Questions for Challenge and Opportunity Identification	Response	Anticipated Action/Response
Location includes gap in bicycle/pedestrian network?	Yes	Improved accommodation to address gap within the project limits
Location within a key signal corridor?	No	
Bottleneck location?	No	
Location within a stormwater management sensitive area?	Yes	
Project provides access to or within village centers (identify)	Yes	
Location susceptible to sea level rise? (describe)	Yes	In SLOSH & FEMA floodplain
Project affects includes a bridge or culvert? (identify)	Yes	
Location is proximate to a Title VI community? (specify type: I = Income, M = Minority, LEP = Limited English Proficiency)	None	NA

A - System Preservation and Modernization Scoring		Score
1. Primary asset condition / effect on condition		15 / 15
2. Enhancements to other assets		10 / 10
3. Use of modern technology to improve efficiency and support ITS regional efforts		9 / 10
	Subtotal	34 / 35
B - Mobility Scoring		Score
1. Existing motorist congestion / effect on motorist congestion		3 / 4
2. Effect on mobility / accommodation of non-motorists		3 / 3
3. Effect on connectivity / access		3 / 3
	Subtotal	9 / 10
C - Safety Scoring		Score
1. Motorist crash history and anticipated safety impact		5 / 5
2. Non-motorist crash history and anticipated safety impact		4 / 5
	Subtotal	9 / 10
D - Economic Impact Scoring		Score
1. Effect on access to or within a regionally-designated economic development area		3 / 4
2. Effect on access to or within a locally-designated business district		3 / 3
3. Effect on connections between housing, job, cultural centers, & essential services within & beyond the region or effect on the freight network		3 / 3
	Subtotal	9 / 10
E - Environmental and Health Effects Scoring		Score
1. Effect on wetlands, wildlife, or other resource protection		1 / 2
2. Effect on water quality through stormwater management and treatment with an emphasis on for nitrogen		1 / 2
3. Effect on air quality / GHG emission		2 / 2
4. Coastal Resiliency / Sea Level Rise Vulnerability		0 / 2
5. Effect on cultural resources or open space		0 / 1
6. Healthy Transportation Options		1 / 1
	Subtotal	5 / 10
F - Cost Effectiveness Scoring		Score
1. Project cost per user		8 / 15
G - Policy Support Scoring		Score
1. Community support (as demonstrated through highest elected officials)		3 / 3
2. Regional plans/policies		3 / 3
3. Local plans/policies		1 / 2
4. Project supports Federal or State (including MassDOT) policies and goals not accounted for in other criteria		1 / 2
	Subtotal	8 / 10
Total		82 / 100

Cape Cod TIP Project Evaluation (For FFY2017-2021 TIP)**Project# Potential TIP Year**

Barnstable, Rte 28 at Yarmouth Rd

606272

2019

Basic Project Information	
MassDOT Project Name	BARNSTABLE- INTERSECTION IMPROVEMENTS AT IYANOUGH ROAD (ROUTE 28) AND YARMOUTH ROAD
Proponent	MassDOT
Design Status	25sub
Cost Estimate	\$6,154,421
Project Length (miles)	.26
Anticipated Number of Users	27,000
Anticipated Funding Program(s)	CMAQ
Detailed Project Description	This project involves improving safety and congestion for all users at the intersection of Iyanough Road (Route 28) and Yarmouth Road. Additional approach turn lanes are required at the intersection to alleviate congestion and improve corridor/intersection level of service. Traffic signal upgrades are also planned, in addition to new pavement markings and signage. Sidewalks will be reconstructed to ADA standards where necessary.

Project Scoring Summary	Score	Comments
A - System Preservation and Modernization	34 / 35	This project is considered Phase I of the Hyannis Access Study Implementation recommendations.
B - Mobility	10 / 10	
C - Safety	7 / 10	
D - Economic Impact	10 / 10	
E - Environmental and Health Effects	3 / 10	
F - Cost Effectiveness	10 / 15	
G - Policy Support	9 / 10	
Total	83 / 100	Note: see next page for scoring details.

Questions for Challenge and Opportunity Identification	Response	Anticipated Action/Response
Location includes gap in bicycle/pedestrian network?	Yes	Improved accommodation to address gap within the project limits
Location within a key signal corridor?	Yes	Signal operations will be improved
Bottleneck location?	Yes	Bottleneck will be addressed by increasing capacity and signal efficiency
Location within a stormwater management sensitive area?	Yes	
Project provides access to or within village centers (identify)	Yes	Will improve access to Hyannis
Location susceptible to sea level rise? (describe)	No	
Project affects includes a bridge or culvert? (identify)	No	
Location is proximate to a Title VI community? (specify type: I = Income, M = Minority, LEP = Limited English Proficiency)	I, M, LEP	Improved bicycle/ pedestrian access, safety, traffic flow

Cape Cod TIP Project Evaluation (For FFY2017-2021 TIP)**Project# Potential TIP Year**

Barnstable, Rte 28 at Yarmouth Rd

606272

2019

A - System Preservation and Modernization Scoring		Score
1. Primary asset condition / effect on condition		15 / 15
2. Enhancements to other assets		10 / 10
3. Use of modern technology to improve efficiency and support ITS regional efforts		9 / 10
	Subtotal	34 / 35
B - Mobility Scoring		Score
1. Existing motorist congestion / effect on motorist congestion		4 / 4
2. Effect on mobility / accommodation of non-motorists		3 / 3
3. Effect on connectivity / access		3 / 3
	Subtotal	10 / 10
C - Safety Scoring		Score
1. Motorist crash history and anticipated safety impact		5 / 5
2. Non-motorist crash history and anticipated safety impact		2 / 5
	Subtotal	7 / 10
D - Economic Impact Scoring		Score
1. Effect on access to or within a regionally-designated economic development area		4 / 4
2. Effect on access to or within a locally-designated business district		3 / 3
3. Effect on connections between housing, job, cultural centers, & essential services within & beyond the region or effect on the freight network		3 / 3
	Subtotal	10 / 10
E - Environmental and Health Effects Scoring		Score
1. Effect on wetlands, wildlife, or other resource protection		0 / 2
2. Effect on water quality through stormwater management and treatment with an emphasis on for nitrogen		1 / 2
3. Effect on air quality / GHG emission		1 / 2
4. Coastal Resiliency / Sea Level Rise Vulnerability		0 / 2
5. Effect on cultural resources or open space		0 / 1
6. Healthy Transportation Options		1 / 1
	Subtotal	3 / 10
F - Cost Effectiveness Scoring		Score
1. Project cost per user		10 / 15
G - Policy Support Scoring		Score
1. Community support (as demonstrated through highest elected officials)		3 / 3
2. Regional plans/policies		3 / 3
3. Local plans/policies		2 / 2
4. Project supports Federal or State (including MassDOT) policies and goals not accounted for in other criteria		1 / 2
	Subtotal	9 / 10
Total		83 / 100

Cape Cod TIP Project Evaluation (For FFY2017-2021 TIP)

Project# Potential TIP Year

Mashpee, Rte 151

607319

2020-2021

Basic Project Information	
MassDOT Project Name	MASHPEE- CORRIDOR IMPROVEMENTS & RELATED WORK ON NATHAN ELLIS HIGHWAY (ROUTE 151), FROM MASHPEE ROTARY TO FALMOUTH T.L.
Proponent	town
Design Status	prelim
Cost Estimate	\$8,250,100
Project Length (miles)	2.3
Anticipated Number of Users	18,000
Anticipated Funding Program(s)	HSIP
Detailed Project Description	Work on this project will consist of corridor improvements on Route 151. Work will include intersection improvements, channelization, and potential exclusive left turn lanes at key driveways. In addition, traffic signals upgrading is required at key intersections such as Frank Ellis Drive/Job Fishing Rd. and Old Barnstable Rd. The project will address the lack of continuous 'complete streets' (bicycle and pedestrian accommodation) along the corridor, particularly at 2 key intersections: Frank Ellis Drive/Job Fishing Rd. and Old Barnstable Rd. Also, there is a need to update the crosswalks and pedestrian actuation equipment at the intersections to ADA compliance. Finally, signage, pavement markings and drainage need upgrading.

Project Scoring Summary	Score	Comments
A - System Preservation and Modernization	29 / 35	
B - Mobility	10 / 10	
C - Safety	9 / 10	
D - Economic Impact	9 / 10	
E - Environmental and Health Effects	5 / 10	
F - Cost Effectiveness	12 / 15	
G - Policy Support	6 / 10	
Total	80 / 100	Note: see next page for scoring details.

Questions for Challenge and Opportunity Identification	Response	Anticipated Action/Response
Location includes gap in bicycle/pedestrian network?	Yes	Improved accommodation to address gap within the project limits
Location within a key signal corridor?	No	
Bottleneck location?	Yes	
Location within a stormwater management sensitive area?	Yes	
Project provides access to or within village centers (identify)	Yes	
Location susceptible to sea level rise? (describe)	No	
Project affects includes a bridge or culvert? (identify)	Yes	
Location is proximate to a Title VI community? (specify type: I = Income, M = Minority, LEP = Limited English Proficiency)	M, LEP	Improved bicycle/ pedestrian access, safety, traffic flow

Cape Cod TIP Project Evaluation (For FFY2017-2021 TIP)**Project# Potential TIP Year**

Mashpee, Rte 151

607319

2020-2021

A - System Preservation and Modernization Scoring	Score
1. Primary asset condition / effect on condition	12 / 15
2. Enhancements to other assets	10 / 10
3. Use of modern technology to improve efficiency and support ITS regional efforts	7 / 10
Subtotal	29 / 35
B - Mobility Scoring	Score
1. Existing motorist congestion / effect on motorist congestion	4 / 4
2. Effect on mobility / accommodation of non-motorists	3 / 3
3. Effect on connectivity / access	3 / 3
Subtotal	10 / 10
C - Safety Scoring	Score
1. Motorist crash history and anticipated safety impact	5 / 5
2. Non-motorist crash history and anticipated safety impact	4 / 5
Subtotal	9 / 10
D - Economic Impact Scoring	Score
1. Effect on access to or within a regionally-designated economic development area	3 / 4
2. Effect on access to or within a locally-designated business district	3 / 3
3. Effect on connections between housing, job, cultural centers, & essential services within & beyond the region or effect on the freight network	3 / 3
Subtotal	9 / 10
E - Environmental and Health Effects Scoring	Score
1. Effect on wetlands, wildlife, or other resource protection	1 / 2
2. Effect on water quality through stormwater management and treatment with an emphasis on for nitrogen	1 / 2
3. Effect on air quality / GHG emission	1 / 2
4. Coastal Resiliency / Sea Level Rise Vulnerability	0 / 2
5. Effect on cultural resources or open space	1 / 1
6. Healthy Transportation Options	1 / 1
Subtotal	5 / 10
F - Cost Effectiveness Scoring	Score
1. Project cost per user	12 / 15
G - Policy Support Scoring	Score
1. Community support (as demonstrated through highest elected officials)	2 / 3
2. Regional plans/policies	2 / 3
3. Local plans/policies	1 / 2
4. Project supports Federal or State (including MassDOT) policies and goals not accounted for in other criteria	1 / 2
Subtotal	6 / 10
Total	80 / 100

Cape Cod TIP Project Evaluation (For FFY2017-2021 TIP)**Project# Potential TIP Year**

Bourne, Belmont Circle Multi-modal Improvements

606900

2020

Basic Project Information	
MassDOT Project Name	BOURNE- TRAFFIC IMPROVEMENTS @ BELMONT CIRCLE AT ROUTES 6/25/28
Proponent	state
Design Status	prelim
Cost Estimate	\$5,040,000
Project Length (miles)	.5
Anticipated Number of Users	41,000
Anticipated Funding Program(s)	TAP
Detailed Project Description	This project is intended to address safety and congestion issues at Belmont Circle. Proposed improvements being considered include: reconstruction, minor widening, reconfiguration of travel/turn lanes, signalization of nodes, and improved signage and pavement markings.

Project Scoring Summary	Score	Comments
A - System Preservation and Modernization	27 / 35	
B - Mobility	9 / 10	
C - Safety	9 / 10	
D - Economic Impact	10 / 10	
E - Environmental and Health Effects	5 / 10	
F - Cost Effectiveness	15 / 15	
G - Policy Support	7 / 10	
Total	82 / 100	Note: see next page for scoring details.

Questions for Challenge and Opportunity Identification	Response	Anticipated Action/Response
Location includes gap in bicycle/pedestrian network?	Yes	Improved accommodation to address gap within the project limits
Location within a key signal corridor?	No	
Bottleneck location?	Yes	
Location within a stormwater management sensitive area?	No	
Project provides access to or within village centers (identify)	Yes	
Location susceptible to sea level rise? (describe)	Yes	In SLOSH & FEMA floodplain
Project affects includes a bridge or culvert? (identify)	No	
Location is proximate to a Title VI community? (specify type: I = Income, M = Minority, LEP = Limited English Proficiency)	M	Improved bicycle/ pedestrian access, safety, traffic flow

Cape Cod TIP Project Evaluation (For FFY2017-2021 TIP)**Project# Potential TIP Year**

Bourne, Belmont Circle Multi-modal Improvements

606900

2020

A - System Preservation and Modernization Scoring	Score
1. Primary asset condition / effect on condition	12 / 15
2. Enhancements to other assets	10 / 10
3. Use of modern technology to improve efficiency and support ITS regional efforts	5 / 10
Subtotal	27 / 35
B - Mobility Scoring	Score
1. Existing motorist congestion / effect on motorist congestion	3 / 4
2. Effect on mobility / accommodation of non-motorists	3 / 3
3. Effect on connectivity / access	3 / 3
Subtotal	9 / 10
C - Safety Scoring	Score
1. Motorist crash history and anticipated safety impact	5 / 5
2. Non-motorist crash history and anticipated safety impact	4 / 5
Subtotal	9 / 10
D - Economic Impact Scoring	Score
1. Effect on access to or within a regionally-designated economic development area	4 / 4
2. Effect on access to or within a locally-designated business district	3 / 3
3. Effect on connections between housing, job, cultural centers, & essential services within & beyond the region or effect on the freight network	3 / 3
Subtotal	10 / 10
E - Environmental and Health Effects Scoring	Score
1. Effect on wetlands, wildlife, or other resource protection	1 / 2
2. Effect on water quality through stormwater management and treatment with an emphasis on for nitrogen	1 / 2
3. Effect on air quality / GHG emission	1 / 2
4. Coastal Resiliency / Sea Level Rise Vulnerability	0 / 2
5. Effect on cultural resources or open space	1 / 1
6. Healthy Transportation Options	1 / 1
Subtotal	5 / 10
F - Cost Effectiveness Scoring	Score
1. Project cost per user	15 / 15
G - Policy Support Scoring	Score
1. Community support (as demonstrated through highest elected officials)	2 / 3
2. Regional plans/policies	3 / 3
3. Local plans/policies	1 / 2
4. Project supports Federal or State (including MassDOT) policies and goals not accounted for in other criteria	1 / 2
Subtotal	7 / 10
Total	82 / 100

Basic Project Information	
MassDOT Project Name	CHATHAM- INTERSECTION IMPROVEMENTS & RELATED WORK AT MAIN STREET (ROUTE 28), DEPOT ROAD, QUEEN ANNE ROAD AND CROWELL ROAD
Proponent	town
Design Status	prelim
Cost Estimate	\$2,400,000
Project Length (miles)	.25
Anticipated Number of Users	17,000
Anticipated Funding Program(s)	CMAQ
Detailed Project Description	This project is intended to address the need for geometric, safety and multimodal improvements at the intersection. Proposed improvements include realignment of approach travel lanes and traffic islands at the intersection. The existing traffic signals also need upgrading to include pedestrian activation. There is also a lack of sidewalks on the South side of the intersection in addition to bike accommodating shoulders. Existing signage and pavement markings need upgrading. New sidewalk extensions and provision of upgraded pavement markings including ADA compliant crosswalks and ramps will serve to improve multimodal accommodation.

Project Scoring Summary	Score	Comments
A - System Preservation and Modernization	34 / 35	
B - Mobility	10 / 10	
C - Safety	6 / 10	
D - Economic Impact	6 / 10	
E - Environmental and Health Effects	3 / 10	
F - Cost Effectiveness	10 / 15	
G - Policy Support	7 / 10	
Total	76 / 100	Note: see next page for scoring details.

Questions for Challenge and Opportunity Identification	Response	Anticipated Action/Response
Location includes gap in bicycle/pedestrian network?	Yes	Improved accommodation to address gap within the project limits
Location within a key signal corridor?	No	
Bottleneck location?	No	
Location within a stormwater management sensitive area?	Yes	
Project provides access to or within village centers (identify)	Yes	
Location susceptible to sea level rise? (describe)	No	
Project affects includes a bridge or culvert? (identify)	No	
Location is proximate to a Title VI community? (specify type: I = Income, M = Minority, LEP = Limited English Proficiency)	None	NA

A - System Preservation and Modernization Scoring	Score
1. Primary asset condition / effect on condition	15 / 15
2. Enhancements to other assets	10 / 10
3. Use of modern technology to improve efficiency and support ITS regional efforts	9 / 10
Subtotal	34 / 35
B - Mobility Scoring	Score
1. Existing motorist congestion / effect on motorist congestion	4 / 4
2. Effect on mobility / accommodation of non-motorists	3 / 3
3. Effect on connectivity / access	3 / 3
Subtotal	10 / 10
C - Safety Scoring	Score
1. Motorist crash history and anticipated safety impact	3 / 5
2. Non-motorist crash history and anticipated safety impact	3 / 5
Subtotal	6 / 10
D - Economic Impact Scoring	Score
1. Effect on access to or within a regionally-designated economic development area	0 / 4
2. Effect on access to or within a locally-designated business district	3 / 3
3. Effect on connections between housing, job, cultural centers, & essential services within & beyond the region or effect on the freight network	3 / 3
Subtotal	6 / 10
E - Environmental and Health Effects Scoring	Score
1. Effect on wetlands, wildlife, or other resource protection	0 / 2
2. Effect on water quality through stormwater management and treatment with an emphasis on for nitrogen	1 / 2
3. Effect on air quality / GHG emission	1 / 2
4. Coastal Resiliency / Sea Level Rise Vulnerability	0 / 2
5. Effect on cultural resources or open space	0 / 1
6. Healthy Transportation Options	1 / 1
Subtotal	3 / 10
F - Cost Effectiveness Scoring	Score
1. Project cost per user	10 / 15
G - Policy Support Scoring	Score
1. Community support (as demonstrated through highest elected officials)	2 / 3
2. Regional plans/policies	3 / 3
3. Local plans/policies	1 / 2
4. Project supports Federal or State (including MassDOT) policies and goals not accounted for in other criteria	1 / 2
Subtotal	7 / 10
Total	76 / 100

Cape Cod TIP Project Evaluation (For FFY2017-2021 TIP)

Project# Potential TIP Year

Sandwich, Shared Use Path on Service Rd (Rte 130 to Chase Rd)

608422

Future

Basic Project Information	
MassDOT Project Name	SANDWICH- CONSTRUCTION OF SHARED USE PATH ALONG SERVICE ROAD FROM ROUTE 130 TO CHASE ROAD
Proponent	
Design Status	prelim
Cost Estimate	\$5,000,400
Project Length (miles)	4.28
Anticipated Number of Users	1,500
Anticipated Funding Program(s)	TAP
Detailed Project Description	In 2013, National Grid (NGRID, an international electricity and gas company, approached the Town of Sandwich with a request to construct and maintain a 20" gas main in the roadside area between the Service Road pavement and the Mid-Cape Highway right-of-way. The Town of Sandwich, as part of the local permit process, mandated that a variety of public betterments be included in the project. One such betterment requires National Grid to include tree removal and rough grading along the proposed gas line alignment that would serve as a base for constructing this first phase of a multi-phase shared-use path project from Route 130 to Chase Road.

Project Scoring Summary	Score	Comments
A - System Preservation and Modernization	30 / 35	
B - Mobility	9 / 10	
C - Safety	7 / 10	
D - Economic Impact	8 / 10	
E - Environmental and Health Effects	4 / 10	
F - Cost Effectiveness	10 / 15	
G - Policy Support	8 / 10	
Total	76 / 100	Note: see next page for scoring details.

Questions for Challenge and Opportunity Identification	Response	Anticipated Action/Response
Location includes gap in bicycle/pedestrian network?	Yes	Will improve bicycle network
Location within a key signal corridor?	No	
Bottleneck location?	No	
Location within a stormwater management sensitive area?	No	
Project provides access to or within village centers (identify)	No	
Location susceptible to sea level rise? (describe)	No	
Project affects includes a bridge or culvert? (identify)	No	
Location is proximate to a Title VI community? (specify type: I = Income, M = Minority, LEP = Limited English Proficiency)	M	Improved bicycle/ pedestrian access, safety

A - System Preservation and Modernization Scoring		Score
1. Primary asset condition / effect on condition		15 / 15
2. Enhancements to other assets		10 / 10
3. Use of modern technology to improve efficiency and support ITS regional efforts		5 / 10
	Subtotal	30 / 35
B - Mobility Scoring		Score
1. Existing motorist congestion / effect on motorist congestion		3 / 4
2. Effect on mobility / accommodation of non-motorists		3 / 3
3. Effect on connectivity / access		3 / 3
	Subtotal	9 / 10
C - Safety Scoring		Score
1. Motorist crash history and anticipated safety impact		3 / 5
2. Non-motorist crash history and anticipated safety impact		4 / 5
	Subtotal	7 / 10
D - Economic Impact Scoring		Score
1. Effect on access to or within a regionally-designated economic development area		3 / 4
2. Effect on access to or within a locally-designated business district		2 / 3
3. Effect on connections between housing, job, cultural centers, & essential services within & beyond the region or effect on the freight network		3 / 3
	Subtotal	8 / 10
E - Environmental and Health Effects Scoring		Score
1. Effect on wetlands, wildlife, or other resource protection		0 / 2
2. Effect on water quality through stormwater management and treatment with an emphasis on for nitrogen		0 / 2
3. Effect on air quality / GHG emission		2 / 2
4. Coastal Resiliency / Sea Level Rise Vulnerability		0 / 2
5. Effect on cultural resources or open space		1 / 1
6. Healthy Transportation Options		1 / 1
	Subtotal	4 / 10
F - Cost Effectiveness Scoring		Score
1. Project cost per user		10 / 15
G - Policy Support Scoring		Score
1. Community support (as demonstrated through highest elected officials)		3 / 3
2. Regional plans/policies		3 / 3
3. Local plans/policies		1 / 2
4. Project supports Federal or State (including MassDOT) policies and goals not accounted for in other criteria		1 / 2
	Subtotal	8 / 10
Total		76 / 100

Cape Cod TIP Project Evaluation (For FFY2017-2021 TIP)**Project# Potential TIP Year**

Truro-Wellfleet, Route 6 Bicycle Accommodations

608349

Future

Basic Project Information	
MassDOT Project Name	TRURO- BICYCLE ACCOMMODATION IMPROVEMENTS ON ROUTE 6
Proponent	
Design Status	prelim
Cost Estimate	\$500,000
Project Length (miles)	6.97
Anticipated Number of Users	15,000
Anticipated Funding Program(s)	TAP
Detailed Project Description	Work on this project consists of installing Pavement Markings including bike lane symbols along with associated signage along Route 6 in the Town of Truro from the Wellfleet/Truro Town Line to the Route 6/Aldrich Road intersection. Also included is repair to the shoulders at erosion locations.

Project Scoring Summary	Score	Comments
A - System Preservation and Modernization	15 / 35	
B - Mobility	9 / 10	
C - Safety	5 / 10	
D - Economic Impact	6 / 10	
E - Environmental and Health Effects	4 / 10	
F - Cost Effectiveness	15 / 15	
G - Policy Support	8 / 10	
Total	62 / 100	Note: see next page for scoring details.

Questions for Challenge and Opportunity Identification	Response	Anticipated Action/Response
Location includes gap in bicycle/pedestrian network?	Yes	Will improve bicycle accommodation
Location within a key signal corridor?	No	
Bottleneck location?	No	
Location within a stormwater management sensitive area?	Yes	
Project provides access to or within village centers (identify)	Yes	
Location susceptible to sea level rise? (describe)	Yes	
Project affects includes a bridge or culvert? (identify)	Yes	
Location is proximate to a Title VI community? (specify type: I = Income, M = Minority, LEP = Limited English Proficiency)	None	NA

Cape Cod TIP Project Evaluation (For FFY2017-2021 TIP)**Project# Potential TIP Year**

Truro-Wellfleet, Route 6 Bicycle Accommodations

608349

Future

A - System Preservation and Modernization Scoring	Score
1. Primary asset condition / effect on condition	10 / 15
2. Enhancements to other assets	5 / 10
3. Use of modern technology to improve efficiency and support ITS regional efforts	0 / 10
Subtotal	15 / 35
B - Mobility Scoring	Score
1. Existing motorist congestion / effect on motorist congestion	3 / 4
2. Effect on mobility / accommodation of non-motorists	3 / 3
3. Effect on connectivity / access	3 / 3
Subtotal	9 / 10
C - Safety Scoring	Score
1. Motorist crash history and anticipated safety impact	1 / 5
2. Non-motorist crash history and anticipated safety impact	4 / 5
Subtotal	5 / 10
D - Economic Impact Scoring	Score
1. Effect on access to or within a regionally-designated economic development area	2 / 4
2. Effect on access to or within a locally-designated business district	2 / 3
3. Effect on connections between housing, job, cultural centers, & essential services within & beyond the region or effect on the freight network	2 / 3
Subtotal	6 / 10
E - Environmental and Health Effects Scoring	Score
1. Effect on wetlands, wildlife, or other resource protection	0 / 2
2. Effect on water quality through stormwater management and treatment with an emphasis on for nitrogen	0 / 2
3. Effect on air quality / GHG emission	2 / 2
4. Coastal Resiliency / Sea Level Rise Vulnerability	0 / 2
5. Effect on cultural resources or open space	1 / 1
6. Healthy Transportation Options	1 / 1
Subtotal	4 / 10
F - Cost Effectiveness Scoring	Score
1. Project cost per user	15 / 15
G - Policy Support Scoring	Score
1. Community support (as demonstrated through highest elected officials)	3 / 3
2. Regional plans/policies	3 / 3
3. Local plans/policies	1 / 2
4. Project supports Federal or State (including MassDOT) policies and goals not accounted for in other criteria	1 / 2
Subtotal	8 / 10
Total	62 / 100

Cape Cod TIP Project Evaluation (For FFY2017-2021 TIP)**Project# Potential TIP Year**

Dennis, Route 28 Streetscape Improvements (Phase 2)

608196

Future

Basic Project Information	
MassDOT Project Name	DENNIS- CORRIDOR AND STREETScape IMPROVEMENTS ON MAIN STREET (ROUTE 28), FROM UNCLE BARNEYS ROAD TO OLD MAIN STREET (PHASE 2)
Proponent	
Design Status	prelim
Cost Estimate	\$4,500,000
Project Length (miles)	1.05
Anticipated Number of Users	14,000
Anticipated Funding Program(s)	TAP
Detailed Project Description	This project is the second phase of improvements on Route 28 to address a lack of adequate bicycle and pedestrian accommodation. Work on this project includes the installation of sidewalks and bike lanes along Route 28. The Route 28/School Street intersection will be evaluated for traffic signal installation. Old Main Street will be realigned at Route 28. The project also includes drainage improvements and street lighting.

Project Scoring Summary	Score	Comments
A - System Preservation and Modernization	29 / 35	
B - Mobility	8 / 10	
C - Safety	7 / 10	
D - Economic Impact	10 / 10	
E - Environmental and Health Effects	6 / 10	
F - Cost Effectiveness	12 / 15	
G - Policy Support	7 / 10	
Total	79 / 100	Note: see next page for scoring details.

Questions for Challenge and Opportunity Identification	Response	Anticipated Action/Response
Location includes gap in bicycle/pedestrian network?	Yes	Improved accommodation to address gap within the project limits
Location within a key signal corridor?	No	
Bottleneck location?	No	
Location within a stormwater management sensitive area?	Yes	
Project provides access to or within village centers (identify)	Yes	
Location susceptible to sea level rise? (describe)	Yes	In SLOSH & FEMA floodplain
Project affects includes a bridge or culvert? (identify)	No	
Location is proximate to a Title VI community? (specify type: I = Income, M = Minority, LEP = Limited English Proficiency)	I, M	Improved bicycle/ pedestrian access, safety

Cape Cod TIP Project Evaluation (For FFY2017-2021 TIP)**Project# Potential TIP Year**

Dennis, Route 28 Streetscape Improvements (Phase 2)

608196

Future

A - System Preservation and Modernization Scoring		Score
1. Primary asset condition / effect on condition		12 / 15
2. Enhancements to other assets		10 / 10
3. Use of modern technology to improve efficiency and support ITS regional efforts		7 / 10
	Subtotal	29 / 35
B - Mobility Scoring		Score
1. Existing motorist congestion / effect on motorist congestion		2 / 4
2. Effect on mobility / accommodation of non-motorists		3 / 3
3. Effect on connectivity / access		3 / 3
	Subtotal	8 / 10
C - Safety Scoring		Score
1. Motorist crash history and anticipated safety impact		3 / 5
2. Non-motorist crash history and anticipated safety impact		4 / 5
	Subtotal	7 / 10
D - Economic Impact Scoring		Score
1. Effect on access to or within a regionally-designated economic development area		4 / 4
2. Effect on access to or within a locally-designated business district		3 / 3
3. Effect on connections between housing, job, cultural centers, & essential services within & beyond the region or effect on the freight network		3 / 3
	Subtotal	10 / 10
E - Environmental and Health Effects Scoring		Score
1. Effect on wetlands, wildlife, or other resource protection		1 / 2
2. Effect on water quality through stormwater management and treatment with an emphasis on for nitrogen		1 / 2
3. Effect on air quality / GHG emission		2 / 2
4. Coastal Resiliency / Sea Level Rise Vulnerability		0 / 2
5. Effect on cultural resources or open space		1 / 1
6. Healthy Transportation Options		1 / 1
	Subtotal	6 / 10
F - Cost Effectiveness Scoring		Score
1. Project cost per user		12 / 15
G - Policy Support Scoring		Score
1. Community support (as demonstrated through highest elected officials)		2 / 3
2. Regional plans/policies		3 / 3
3. Local plans/policies		1 / 2
4. Project supports Federal or State (including MassDOT) policies and goals not accounted for in other criteria		1 / 2
	Subtotal	7 / 10
		Total
		79 / 100

Cape Cod TIP Project Evaluation (For FFY2017-2021 TIP)**Project# Potential TIP Year**

Yarmouth, Rte 6 Exit 8 Ramps

607394

Future

Basic Project Information	
MassDOT Project Name	YARMOUTH- INTERSECTION IMPROVEMENTS ON ROUTE 6 RAMPS @ UNION STREET & STATION AVENUE
Proponent	town
Design Status	prelim
Cost Estimate	\$5,000,400
Project Length (miles)	.56
Anticipated Number of Users	15,000
Anticipated Funding Program(s)	HSIP
Detailed Project Description	This project is intended to address safety issues on the Route 6 ramps at Exit 8 (Union Street/Station Avenue).

Project Scoring Summary	Score	Comments
A - System Preservation and Modernization	29 / 35	
B - Mobility	8 / 10	
C - Safety	7 / 10	
D - Economic Impact	10 / 10	
E - Environmental and Health Effects	3 / 10	
F - Cost Effectiveness	10 / 15	
G - Policy Support	4 / 10	
Total	71 / 100	Note: see next page for scoring details.

Questions for Challenge and Opportunity Identification	Response	Anticipated Action/Response
Location includes gap in bicycle/pedestrian network?	No	
Location within a key signal corridor?	No	
Bottleneck location?	No	
Location within a stormwater management sensitive area?	Yes	
Project provides access to or within village centers (identify)	No	
Location susceptible to sea level rise? (describe)	No	
Project affects includes a bridge or culvert? (identify)	No	
Location is proximate to a Title VI community? (specify type: I = Income, M = Minority, LEP = Limited English Proficiency)	I, M, LEP	Improved bicycle/ pedestrian access, safety, traffic flow

Cape Cod TIP Project Evaluation (For FFY2017-2021 TIP)**Project# Potential TIP Year**

Yarmouth, Rte 6 Exit 8 Ramps

607394

Future

A - System Preservation and Modernization Scoring		Score
1. Primary asset condition / effect on condition		15 / 15
2. Enhancements to other assets		7 / 10
3. Use of modern technology to improve efficiency and support ITS regional efforts		7 / 10
	Subtotal	29 / 35
B - Mobility Scoring		Score
1. Existing motorist congestion / effect on motorist congestion		3 / 4
2. Effect on mobility / accommodation of non-motorists		3 / 3
3. Effect on connectivity / access		2 / 3
	Subtotal	8 / 10
C - Safety Scoring		Score
1. Motorist crash history and anticipated safety impact		5 / 5
2. Non-motorist crash history and anticipated safety impact		2 / 5
	Subtotal	7 / 10
D - Economic Impact Scoring		Score
1. Effect on access to or within a regionally-designated economic development area		4 / 4
2. Effect on access to or within a locally-designated business district		3 / 3
3. Effect on connections between housing, job, cultural centers, & essential services within & beyond the region or effect on the freight network		3 / 3
	Subtotal	10 / 10
E - Environmental and Health Effects Scoring		Score
1. Effect on wetlands, wildlife, or other resource protection		0 / 2
2. Effect on water quality through stormwater management and treatment with an emphasis on for nitrogen		1 / 2
3. Effect on air quality / GHG emission		1 / 2
4. Coastal Resiliency / Sea Level Rise Vulnerability		0 / 2
5. Effect on cultural resources or open space		0 / 1
6. Healthy Transportation Options		1 / 1
	Subtotal	3 / 10
F - Cost Effectiveness Scoring		Score
1. Project cost per user		10 / 15
G - Policy Support Scoring		Score
1. Community support (as demonstrated through highest elected officials)		1 / 3
2. Regional plans/policies		1 / 3
3. Local plans/policies		1 / 2
4. Project supports Federal or State (including MassDOT) policies and goals not accounted for in other criteria		1 / 2
	Subtotal	4 / 10
Total		71 / 100

Cape Cod TIP Project Evaluation (For FFY2017-2021 TIP)

Project# Potential TIP Year

Bourne, Rte 6 Scenic Highway Median Installation

606082

Future

Basic Project Information	
MassDOT Project Name	BOURNE- MEDIAN INSTALLATION ON ROUTE 6 (SCENIC HIGHWAY)
Proponent	state
Design Status	prelim
Cost Estimate	\$8,050,000
Project Length (miles)	2.4
Anticipated Number of Users	26,000
Anticipated Funding Program(s)	HSIP
Detailed Project Description	Work on this project consists of installing a median and shoulders to the existing four travel lane cross section providing separation between the eastbound and westbound opposing directions.

Project Scoring Summary	Score	Comments
A - System Preservation and Modernization	19 / 35	
B - Mobility	4 / 10	
C - Safety	7 / 10	
D - Economic Impact	7 / 10	
E - Environmental and Health Effects	1 / 10	
F - Cost Effectiveness	15 / 15	
G - Policy Support	7 / 10	
Total	60 / 100	Note: see next page for scoring details.

Questions for Challenge and Opportunity Identification	Response	Anticipated Action/Response
Location includes gap in bicycle/pedestrian network?	No	
Location within a key signal corridor?	No	
Bottleneck location?	No	
Location within a stormwater management sensitive area?	No	
Project provides access to or within village centers (identify)	Yes	
Location susceptible to sea level rise? (describe)	No	
Project affects includes a bridge or culvert? (identify)	No	
Location is proximate to a Title VI community? (specify type: I = Income, M = Minority, LEP = Limited English Proficiency)	M	Improved safety, traffic flow

Cape Cod TIP Project Evaluation (For FFY2017-2021 TIP)**Project# Potential TIP Year**

Bourne, Rte 6 Scenic Highway Median Installation

606082

Future

A - System Preservation and Modernization Scoring	Score
1. Primary asset condition / effect on condition	12 / 15
2. Enhancements to other assets	7 / 10
3. Use of modern technology to improve efficiency and support ITS regional efforts	0 / 10
Subtotal	19 / 35
B - Mobility Scoring	Score
1. Existing motorist congestion / effect on motorist congestion	1 / 4
2. Effect on mobility / accommodation of non-motorists	1 / 3
3. Effect on connectivity / access	2 / 3
Subtotal	4 / 10
C - Safety Scoring	Score
1. Motorist crash history and anticipated safety impact	5 / 5
2. Non-motorist crash history and anticipated safety impact	2 / 5
Subtotal	7 / 10
D - Economic Impact Scoring	Score
1. Effect on access to or within a regionally-designated economic development area	3 / 4
2. Effect on access to or within a locally-designated business district	2 / 3
3. Effect on connections between housing, job, cultural centers, & essential services within & beyond the region or effect on the freight network	2 / 3
Subtotal	7 / 10
E - Environmental and Health Effects Scoring	Score
1. Effect on wetlands, wildlife, or other resource protection	0 / 2
2. Effect on water quality through stormwater management and treatment with an emphasis on for nitrogen	1 / 2
3. Effect on air quality / GHG emission	0 / 2
4. Coastal Resiliency / Sea Level Rise Vulnerability	0 / 2
5. Effect on cultural resources or open space	0 / 1
6. Healthy Transportation Options	0 / 1
Subtotal	1 / 10
F - Cost Effectiveness Scoring	Score
1. Project cost per user	15 / 15
G - Policy Support Scoring	Score
1. Community support (as demonstrated through highest elected officials)	2 / 3
2. Regional plans/policies	3 / 3
3. Local plans/policies	1 / 2
4. Project supports Federal or State (including MassDOT) policies and goals not accounted for in other criteria	1 / 2
Subtotal	7 / 10
Total	60 / 100

Cape Cod TIP Project Evaluation (For FFY2017-2021 TIP)**Project# Potential TIP Year**

Dennis-Yarmouth, Route 6 Resurfacing and Related Work

608409

Future

Basic Project Information	
MassDOT Project Name	DENNIS- YARMOUTH- RESURFACING AND RELATED WORK ON ROUTE 6
Proponent	
Design Status	prelim
Cost Estimate	\$2,500,000
Project Length (miles)	3
Anticipated Number of Users	43,000
Anticipated Funding Program(s)	
Detailed Project Description	Work on this project consists of resurfacing (mill/overlay) on Route 6 from MM 75.5, approximately 1 mile east Exit 8 (Union Street/Station Ave) in Yarmouth to MM 78.5, approximately 1 mile east of Exit 9 (Route 134) in Dennis

Project Scoring Summary	Score	Comments
A - System Preservation and Modernization	12 / 35	
B - Mobility	2 / 10	
C - Safety	2 / 10	
D - Economic Impact	5 / 10	
E - Environmental and Health Effects	2 / 10	
F - Cost Effectiveness	15 / 15	
G - Policy Support	4 / 10	
Total	42 / 100	Note: see next page for scoring details.

Questions for Challenge and Opportunity Identification	Response	Anticipated Action/Response
Location includes gap in bicycle/pedestrian network?	No	
Location within a key signal corridor?	No	
Bottleneck location?	Yes	Lane drop
Location within a stormwater management sensitive area?	Yes	
Project provides access to or within village centers (identify)	No	
Location susceptible to sea level rise? (describe)	Yes	In the vicinity of Bass River
Project affects includes a bridge or culvert? (identify)	Yes	Bass River
Location is proximate to a Title VI community? (specify type: I = Income, M = Minority, LEP = Limited English Proficiency)	I, M, LEP	Improved pavement condition

Cape Cod TIP Project Evaluation (For FFY2017-2021 TIP)**Project# Potential TIP Year**

Dennis-Yarmouth, Route 6 Resurfacing and Related Work

608409

Future

A - System Preservation and Modernization Scoring		Score
1. Primary asset condition / effect on condition		12 / 15
2. Enhancements to other assets		0 / 10
3. Use of modern technology to improve efficiency and support ITS regional efforts		0 / 10
	Subtotal	12 / 35
B - Mobility Scoring		Score
1. Existing motorist congestion / effect on motorist congestion		1 / 4
2. Effect on mobility / accommodation of non-motorists		0 / 3
3. Effect on connectivity / access		1 / 3
	Subtotal	2 / 10
C - Safety Scoring		Score
1. Motorist crash history and anticipated safety impact		2 / 5
2. Non-motorist crash history and anticipated safety impact		0 / 5
	Subtotal	2 / 10
D - Economic Impact Scoring		Score
1. Effect on access to or within a regionally-designated economic development area		2 / 4
2. Effect on access to or within a locally-designated business district		1 / 3
3. Effect on connections between housing, job, cultural centers, & essential services within & beyond the region or effect on the freight network		2 / 3
	Subtotal	5 / 10
E - Environmental and Health Effects Scoring		Score
1. Effect on wetlands, wildlife, or other resource protection		1 / 2
2. Effect on water quality through stormwater management and treatment with an emphasis on for nitrogen		1 / 2
3. Effect on air quality / GHG emission		0 / 2
4. Coastal Resiliency / Sea Level Rise Vulnerability		0 / 2
5. Effect on cultural resources or open space		0 / 1
6. Healthy Transportation Options		0 / 1
	Subtotal	2 / 10
F - Cost Effectiveness Scoring		Score
1. Project cost per user		15 / 15
G - Policy Support Scoring		Score
1. Community support (as demonstrated through highest elected officials)		0 / 3
2. Regional plans/policies		2 / 3
3. Local plans/policies		1 / 2
4. Project supports Federal or State (including MassDOT) policies and goals not accounted for in other criteria		1 / 2
	Subtotal	4 / 10
Total		42 / 100

Cape Cod TIP Project Evaluation (For FFY2017-2021 TIP)**Project# Potential TIP Year**

Yarmouth, Rte 28 Resurfacing and Related Work

608264

Future

Basic Project Information	
MassDOT Project Name	YARMOUTH- RESURFACING AND RELATED WORK ON ROUTE 28
Proponent	
Design Status	prelim
Cost Estimate	\$4,000,000
Project Length (miles)	5.24
Anticipated Number of Users	25,000
Anticipated Funding Program(s)	
Detailed Project Description	Work on this project consists of resurfacing and related work on Route 28. Also included is sidewalk reconstruction, ADA curb ramp upgrades, drainage improvements, pavement markings and signs.

Project Scoring Summary	Score	Comments
A - System Preservation and Modernization	22 / 35	
B - Mobility	5 / 10	
C - Safety	5 / 10	
D - Economic Impact	4 / 10	
E - Environmental and Health Effects	4 / 10	
F - Cost Effectiveness	15 / 15	
G - Policy Support	6 / 10	
Total	61 / 100	Note: see next page for scoring details.

Questions for Challenge and Opportunity Identification	Response	Anticipated Action/Response
Location includes gap in bicycle/pedestrian network?	Yes	
Location within a key signal corridor?	Yes	
Bottleneck location?	Yes	
Location within a stormwater management sensitive area?	Yes	
Project provides access to or within village centers (identify)	Yes	
Location susceptible to sea level rise? (describe)	Yes	
Project affects includes a bridge or culvert? (identify)	Yes	
Location is proximate to a Title VI community? (specify type: I = Income, M = Minority, LEP = Limited English Proficiency)	I, M, LEP	Improved bicycle/ pedestrian access, safety

Cape Cod TIP Project Evaluation (For FFY2017-2021 TIP)**Project# Potential TIP Year**

Yarmouth, Rte 28 Resurfacing and Related Work

608264

Future

A - System Preservation and Modernization Scoring	Score
1. Primary asset condition / effect on condition	15 / 15
2. Enhancements to other assets	7 / 10
3. Use of modern technology to improve efficiency and support ITS regional efforts	0 / 10
Subtotal	22 / 35
B - Mobility Scoring	Score
1. Existing motorist congestion / effect on motorist congestion	1 / 4
2. Effect on mobility / accommodation of non-motorists	2 / 3
3. Effect on connectivity / access	2 / 3
Subtotal	5 / 10
C - Safety Scoring	Score
1. Motorist crash history and anticipated safety impact	2 / 5
2. Non-motorist crash history and anticipated safety impact	3 / 5
Subtotal	5 / 10
D - Economic Impact Scoring	Score
1. Effect on access to or within a regionally-designated economic development area	2 / 4
2. Effect on access to or within a locally-designated business district	1 / 3
3. Effect on connections between housing, job, cultural centers, & essential services within & beyond the region or effect on the freight network	1 / 3
Subtotal	4 / 10
E - Environmental and Health Effects Scoring	Score
1. Effect on wetlands, wildlife, or other resource protection	1 / 2
2. Effect on water quality through stormwater management and treatment with an emphasis on for nitrogen	1 / 2
3. Effect on air quality / GHG emission	0 / 2
4. Coastal Resiliency / Sea Level Rise Vulnerability	0 / 2
5. Effect on cultural resources or open space	1 / 1
6. Healthy Transportation Options	1 / 1
Subtotal	4 / 10
F - Cost Effectiveness Scoring	Score
1. Project cost per user	15 / 15
G - Policy Support Scoring	Score
1. Community support (as demonstrated through highest elected officials)	1 / 3
2. Regional plans/policies	3 / 3
3. Local plans/policies	1 / 2
4. Project supports Federal or State (including MassDOT) policies and goals not accounted for in other criteria	1 / 2
Subtotal	6 / 10
Total	61 / 100

Cape Cod TIP Project Evaluation (For FFY2017-2021 TIP)**Project# Potential TIP Year**

Barnstable, Route 132 at Route 6A

606276

Future

Basic Project Information	
MassDOT Project Name	BARNSTABLE- INTERSECTION IMPROVEMENTS AT IYANOUGH ROAD (ROUTE 132) AND MAIN STREET (ROUTE 6A)
Proponent	
Design Status	prelim
Cost Estimate	\$1,200,000
Project Length (miles)	.35
Anticipated Number of Users	11,000
Anticipated Funding Program(s)	
Detailed Project Description	This project addresses the need for intersection improvements at Iyanough Road (Route 132) and Main Street (Route 6A). The intersection has undefined pavement areas that contribute to confusing and unsafe traffic movements for motorists. A modern roundabout is being considered to replace the current undefined intersection.

Project Scoring Summary	Score	Comments
A - System Preservation and Modernization	27 / 35	
B - Mobility	6 / 10	
C - Safety	6 / 10	
D - Economic Impact	7 / 10	
E - Environmental and Health Effects	4 / 10	
F - Cost Effectiveness	10 / 15	
G - Policy Support	7 / 10	
Total	67 / 100	Note: see next page for scoring details.

Questions for Challenge and Opportunity Identification	Response	Anticipated Action/Response
Location includes gap in bicycle/pedestrian network?	No	
Location within a key signal corridor?	No	
Bottleneck location?	No	
Location within a stormwater management sensitive area?	No	
Project provides access to or within village centers (identify)	Yes	Barnstable Village and West Barnstable
Location susceptible to sea level rise? (describe)	No	
Project affects includes a bridge or culvert? (identify)	No	
Location is proximate to a Title VI community? (specify type: I = Income, M = Minority, LEP = Limited English Proficiency)	I, M, LEP	Improved bicycle/ pedestrian access, safety, traffic flow

Cape Cod TIP Project Evaluation (For FFY2017-2021 TIP)**Project# Potential TIP Year**

Barnstable, Route 132 at Route 6A

606276

Future

A - System Preservation and Modernization Scoring	Score
1. Primary asset condition / effect on condition	12 / 15
2. Enhancements to other assets	7 / 10
3. Use of modern technology to improve efficiency and support ITS regional efforts	8 / 10
Subtotal	27 / 35
B - Mobility Scoring	Score
1. Existing motorist congestion / effect on motorist congestion	3 / 4
2. Effect on mobility / accommodation of non-motorists	2 / 3
3. Effect on connectivity / access	1 / 3
Subtotal	6 / 10
C - Safety Scoring	Score
1. Motorist crash history and anticipated safety impact	3 / 5
2. Non-motorist crash history and anticipated safety impact	3 / 5
Subtotal	6 / 10
D - Economic Impact Scoring	Score
1. Effect on access to or within a regionally-designated economic development area	2 / 4
2. Effect on access to or within a locally-designated business district	3 / 3
3. Effect on connections between housing, job, cultural centers, & essential services within & beyond the region or effect on the freight network	2 / 3
Subtotal	7 / 10
E - Environmental and Health Effects Scoring	Score
1. Effect on wetlands, wildlife, or other resource protection	0 / 2
2. Effect on water quality through stormwater management and treatment with an emphasis on for nitrogen	1 / 2
3. Effect on air quality / GHG emission	1 / 2
4. Coastal Resiliency / Sea Level Rise Vulnerability	0 / 2
5. Effect on cultural resources or open space	1 / 1
6. Healthy Transportation Options	1 / 1
Subtotal	4 / 10
F - Cost Effectiveness Scoring	Score
1. Project cost per user	10 / 15
G - Policy Support Scoring	Score
1. Community support (as demonstrated through highest elected officials)	3 / 3
2. Regional plans/policies	2 / 3
3. Local plans/policies	1 / 2
4. Project supports Federal or State (including MassDOT) policies and goals not accounted for in other criteria	1 / 2
Subtotal	7 / 10
Total	67 / 100

Cape Cod TIP Project Evaluation (For FFY2017-2021 TIP)**Project# Potential TIP Year**

Barnstable, Rte 28 Resurfacing and Related Work

606236

Future

Basic Project Information	
MassDOT Project Name	BARNSTABLE- RESURFACING & RELATED WORK ON ROUTE 28 (FALMOUTH ROAD)
Proponent	
Design Status	prelim
Cost Estimate	\$2,875,000
Project Length (miles)	2.44
Anticipated Number of Users	19,000
Anticipated Funding Program(s)	
Detailed Project Description	The purpose of this proeject is to cold plane and resurface the deteriorated roadway surface of Route 28 from milemarker 28.26 to milemarker 30.70, an approximate distance of 2.44 miles.

Project Scoring Summary	Score	Comments
A - System Preservation and Modernization	18 / 35	
B - Mobility	3 / 10	
C - Safety	4 / 10	
D - Economic Impact	4 / 10	
E - Environmental and Health Effects	2 / 10	
F - Cost Effectiveness	15 / 15	
G - Policy Support	5 / 10	
Total	51 / 100	Note: see next page for scoring details.

Questions for Challenge and Opportunity Identification	Response	Anticipated Action/Response
Location includes gap in bicycle/pedestrian network?	Yes	
Location within a key signal corridor?	Yes	
Bottleneck location?	Yes	
Location within a stormwater management sensitive area?	Yes	
Project provides access to or within village centers (identify)	Yes	
Location susceptible to sea level rise? (describe)	No	
Project affects includes a bridge or culvert? (identify)	Yes	
Location is proximate to a Title VI community? (specify type: I = Income, M = Minority, LEP = Limited English Proficiency)	I, M, LEP	Improved pavement condition

Cape Cod TIP Project Evaluation (For FFY2017-2021 TIP)**Project# Potential TIP Year**

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606236

Future

A - System Preservation and Modernization Scoring		Score
1. Primary asset condition / effect on condition		15 / 15
2. Enhancements to other assets		3 / 10
3. Use of modern technology to improve efficiency and support ITS regional efforts		0 / 10
	Subtotal	18 / 35
B - Mobility Scoring		Score
1. Existing motorist congestion / effect on motorist congestion		1 / 4
2. Effect on mobility / accommodation of non-motorists		1 / 3
3. Effect on connectivity / access		1 / 3
	Subtotal	3 / 10
C - Safety Scoring		Score
1. Motorist crash history and anticipated safety impact		2 / 5
2. Non-motorist crash history and anticipated safety impact		2 / 5
	Subtotal	4 / 10
D - Economic Impact Scoring		Score
1. Effect on access to or within a regionally-designated economic development area		2 / 4
2. Effect on access to or within a locally-designated business district		1 / 3
3. Effect on connections between housing, job, cultural centers, & essential services within & beyond the region or effect on the freight network		1 / 3
	Subtotal	4 / 10
E - Environmental and Health Effects Scoring		Score
1. Effect on wetlands, wildlife, or other resource protection		1 / 2
2. Effect on water quality through stormwater management and treatment with an emphasis on for nitrogen		1 / 2
3. Effect on air quality / GHG emission		0 / 2
4. Coastal Resiliency / Sea Level Rise Vulnerability		0 / 2
5. Effect on cultural resources or open space		0 / 1
6. Healthy Transportation Options		0 / 1
	Subtotal	2 / 10
F - Cost Effectiveness Scoring		Score
1. Project cost per user		15 / 15
G - Policy Support Scoring		Score
1. Community support (as demonstrated through highest elected officials)		1 / 3
2. Regional plans/policies		2 / 3
3. Local plans/policies		1 / 2
4. Project supports Federal or State (including MassDOT) policies and goals not accounted for in other criteria		1 / 2
	Subtotal	5 / 10
		Total
		51 / 100