

Destination 2040: PACTS' Long Range Transportation Plan
Table of Contents

	<u>Page</u>
Introduction to the Plan	
Chapter 1: <i>Destination 2040</i> Executive Summary	
• Vision Statement and Goals	1-3
• Analysis of Present Conditions	1-4
• Financial Planning	1-5
• Plan Implementation	1-6
• Summary	1-7
Chapter 2: Plan Development Context	
• How the Plan is Developed	2-1
• Public Outreach, Member and Stakeholder Engagement	2-2
• PACTS Transportation Values and Priorities Survey, 2014	2-3
• State Regulatory Context	2-4
• The Maine Transit Tax Increment Financing (TIF) Law	2-5
• Maine DOT Complete Streets Policy	2-6
• Federal Regulatory Context and Legislation: “MAP-21” and Performance Based Planning	2-7
• Performance-Based Planning and Programming (PBPP)	2-8
• Metropolitan Transportation Planning Eight (8) Federally Required Planning Factors	2-9
• Six Principles of Livability from USDOT	2-10
• Sustain Southern Maine	2-11
• Destination – 2040 – PACTS’ Long Range Transportation Plan	2-12
Chapter 3: Present System Conditions, Trends, and Desired Future Transportation and Land Use	
• Summary of Present System Conditions	3-3
• Population, Employment and Other Demographic Trends	3-6
• PACTS Region 2040: Population and Households Growth	3-8
• PACTS Regional Travel Trends, Traffic Volumes, Patterns, Congestion and Conditions	3-13
• High Crash Locations and Congestion	3-19
• Characteristics of the Existing Transportation System	3-29
• Roadway Network	3-29
• MaineDOT Highway Corridor Priorities	3-34
• Bicycle and Pedestrian Networks	3-36
• Public Transportation Transit Networks	3-39
• Fixed Route Transit Providers	3-40
• Intercity Rail, Bus and Van	3-41
• Commuter Bus	3-42
• Subscription Carpool and Vanpool	3-42
• Paratransit and Demand Response	3-43

- The Existing Freight Network 3-46
- Trucked Freight 3-49
- Freight Rail 3-49
- Marine Freight 3-51
- Air Freight 3-51
- Road to Rail Intermodal Facilities 3-52
- Transportation Demand Management (TDM) 3-53
- PACTS Region 2040: Population and Household Growth 3-54
- Forecasted Regional Employment Growth to 2040 3-55
- The PACTS Transportation Land Use Policy 3-58
- Linked Priority Corridors and Priority Centers 3-59

Chapter 4: Plan Vision, Goals, Objectives, and Strategies

- A VISION for the Region in 2040 4-1
- Developing Goals: Focus on Outcomes 4-2
- The Six Goals of Destination 2040: Vision to Reality 4-3
- Seven Key Components of the Transportation System 4-4
- Interstate System 4-4
- Arterial Roadway System 4-4
- Collector Roadway System 4-4
- Public Transportation and Transit Systems (Bus, Passenger Rail and Ferry) 4-5
- Bicycle and Pedestrian Systems 4-5
- Freight System 4-5
- Travel Demand Management and Intelligent Transportation Systems 4-5
- Objectives and Strategies that Implement the Goals of Destination 2040 4-7

Chapter 5: Desired Trends, Performance Measures, and Targets

- Identifying Desired Trends or Targets 5-1
- Performance Measures Process Development 5-2
- Transportation Performance Management (TPM) framework In MAP-21 5-3
- Seven National Performance Areas 5-7
- Eight National Planning Factors 5-7

Chapter 6: Financial Plan: Regional Needs, Available Funding, and Funding Gap

- Regional Transportation Needs 6-2
- Capital Cost and Revenue Estimates 6-3
- PACTS Capital Allocation Past, Present, and Future 6-4
- Funding Commitments and Regional Needs 6-5
- Transit Funding 6-7
- Projects Identified as Needs but Exceeding Available Funding or Funding Uncertain 6-8
- Financing the Region’s Transportation System 6-9
- Raising Local and Regional Public Awareness 6-10

- Review PACTS Transportation Priorities 6-11
- Encouraging Legislators to Raise Awareness in the Halls of Augusta 6-11
- Digging deeper into our own collective local pockets 6-12

Chapter 7: Plan Implementation and Recommendations

- Implementing Destination 2040's Goals 7-3
- A Stronger Connection between the *Destination 2040* Plan and the Selection of Capital Projects 7-3
- Coordinate transportation and land use planning with multiple municipal & transit partners 7-4
- Develop regional approaches to funding solutions understanding it is a statewide problem 7-4
- Priority Corridors and Centers Program 7-4
- Visitor and Tourism Assets 7-5
- Freight-based businesses and opportunities 7-5
- I-295 and Maine Turnpike Corridor Analyses 7-5
- Invest in expanded transit service and infrastructure, with connections to other modes 7-6
- Focus on Intersections for Congestion and Safety Management 7-6
- Transportation Demand Management "TDM": Managing and encouraging low/non-polluting modes 7-7
- Development of a Variety of Fueling Infrastructure 7-7
- Transportation Project Land Use Policy 7-8
- Lessons of the 2012 Gorham East-West Corridor Study 7-8
- Regional Traffic Signal Coordination 7-8
- Development of a Variety of Fueling Infrastructure 7-8
- Recommendations 7-9
- Transportation and Land-Use Connection 7-9
- Multimodal Transportation System 7-11
- Regional Infrastructure Vulnerability Assessment 7-13
- Roadways – Collector Roads, Arterial Roadways, and Interstate Highways 7-14
- Collector Roadways 7-14
- Arterial Roadways 7-16
- Interstate Highways 7-17
- Pedestrian Transportation 7-18
- Bicyclist Transportation 7-19
- Public Passenger Transit Recommendations 7-20
- Freight and Commercial Vehicles 7-21
- Shared Vehicles 7-22
- Alternative Fuels 7-23
- Traffic Signals – PACTS Regional Traffic Management System "RTMS" 7-24
- Regional Transportation Financing 7-25
- Major Regional Projects 7-26
- Closing Thoughts 7-26

Appendices:

- A: Strategic Direction Workshop Regional Transportation Plan Update Meeting Report – June 27, 2013
- B: Summary of Public Outreach for PACTS Destination Tomorrow Update (Nov-Jan 2014)
- C: Transportation Needs and Priorities Survey (August, 2014)
- D: PACTS Multimodal Complete Centers and Corridors Planning Assessment (Notes from four forums, 2014)
- E: Subregional Maps: Municipal Stakeholder’s Identified Needs (November-December 2015)
- F: Sustain Southern Maine Multimodal Transportation Plan (Dec. 2013)

Tables

3-1:	Population Changes in PACTS Communities	3-10
3-2:	Average Annual Daily Traffic (AADT) Volumes in the PACTS Area	3-15
3-3:	PACTS Municipalities Estimated VMT 2014	3-17
3-4:	PACTS Municipalities Estimated VMT 2040	3-18
3-5:	High Crash Locations (2012-2014)	3-27
3-6:	Modes of Transportation for Shipments Originating in Maine	3-46
3-7:	Commodity Shipments Originating in Maine by Value	3-48
3-8:	Commodity Shipments Originating in Maine by Weight	3-48
3-9:	2040 Employment Forecast for the PACTS Area	3-54
3-10:	2040 Total Employment Forecast	3-55
4-1:	FHWA Required Planning Factors and <i>Destination 2040</i> Goals	4-2
5-1:	Initial Set of PACTS Region Transportation System Performance Measures	5-4
5-2:	Other Potential PACTS Region Transportation System Performance Measures	5-5
5-3:	Potential PACTS Region Transportation System Performance Measures and the Federal Transportation Priority Areas	5-6
6-1:	PACTS Region Forecasts of Capital Needs and Available Resources for 20 Years - - 2016 to 2035	6-3
6-2:	Comparison on PACTS Regional Available Capital Resources For 2016 to 2025	6-4
6-3:	Capital Needs for the PACTS Region for the next 10 Years (2016 to 2025)	6-6
6-4:	PACTS Transit Capital & Operating, Anticipated Grant Funds & Expense Plan for 2015 to 2021	6-7
6-5:	Other Major Projects Under Consideration in the PACTS Region	6-8
7-1:	Distribution of Residential Growth by Urban to Rural Pattern	7-10
7-2:	Distribution of Job Growth by Urban to Rural Pattern	7-11
7-3:	Collector Miles Paving Funding Needs for Next Ten Years	7-15
7-4:	PACTS Arterial Highway System Pavement Needs	7-16

Figures

1-1:	Priority Corridors and Centers in the PACTS Region	1-2
2-1:	Performance-based Planning and Programming	2-8
3-1:	The PACTS Area	3-2
3-2:	Geography and Population in Maine	3-3
3-3:	Population Density Changes in PACTS Communities	3-7
3-4:	PACTS Area Urban and Suburban Growth Trends	3-8
3-5:	PACTS Area Population Forecast 2014-2040	3-9
3-6:	PACTS Roadways – Factored Annual Average Daily Traffic (2013)	3-12
3-7:	Traffic Growth at Select Key Locations	3-14
3-8:	Estimated National VMT All Roads	3-16
3-9:	PACTS Central Subregion HCLs and Congestion	3-20
3-10:	PACTS Northern Subregion HCLs and Congestion	3-21
3-11:	PACTS Western Subregion HCLs and Congestion	3-22
3-12:	PACTS Southern Subregion HCLs and Congestion	3-23
3-13:	Crash Trends in the PACTS Region (2009-2013)	3-24
3-14:	PACTS Region - High Crash Roadway Segments	3-25
3-15:	PACTS Region - High Crash Roadway Intersections	3-26
3-16:	PACTS Region Existing Multi-modal infrastructure	3-28
3-17:	Mileage of Collector Roadways – by Condition Assessment	3-30
3-18:	Major Corridors by Federal Functional Classification (FFC)	3-31
3-19:	MaineDOT Highway Corridor Priorities	3-33
3-20:	PACTS Region Bike Network	3-37
3-21:	Southern Maine Transit Network	3-38
3-22:	National Transit Database Ridership	3-39
3-23:	Maine’s Freight System (2013)	3-47
3-24:	International Marine Terminal Expansion Master Plan	3-52
3-25:	PACTS Priority Corridors and Centers	3-59
7-1:	Major Regional Projects – In Progress or Under Consideration	7-27