

TABLE OF CONTENTS

GWRC/FAMPO TITLE VI NONDISCRIMINATION STATEMENT	1
MISSION STATEMENT	2
CHAPTER 1 – INTRODUCTION	3
1.1 About the Fredericksburg Area Metropolitan Planning Organization.....	3
1.1.1 The George Washington Regional Commission.....	4
1.1.2 GWRC/FAMPO Relationship	4
1.2 THE METROPOLITAN PLANNING PROCESS	4
1.3 KEY FAMPO PLANNING DOCUMENTS.....	7
1.3.1 Unified Planning Work Program (UPWP).....	7
1.3.2 Transportation Improvement Program (TIP).....	8
1.3.3 Congestion Management Process (CMP)	8
1.3.4 The Long Range Transportation Plan (LRTP).....	8
1.3.5 Title VI Nondiscrimination Plan.....	9
1.3.6 Public Participation Plan (PPP)	9
1.3.7 Limited English Proficiency Plan (LEP)	9
1.4 STATEWIDE PLANNING AND PROGRAMMING	10
1.4.1 VTrans 2040	10
1.4.2 Rural Long Range Planning (RLRP)	11
1.4.3 VDOT Six Year Improvement Program (SYIP).....	11
CHAPTER 2 – THE GEORGE WASHINGTON REGION TODAY	12
2.1 THE REGION DEFINED	12
2.1.1 Built Environment.....	13
2.1.2 Cultural Environment	13
2.1.3 Natural Environment	13
2.2 GOALS AND OBJECTIVES.....	14
CHAPTER 3 – DEMOGRAPHIC AND SOCIOECONOMIC TRENDS AND PROJECTIONS	17
3.1 DEMOGRAPHIC TRENDS AND PROJECTIONS	17
3.1.1 Population Trends	17
3.1.2 Population Projections	21
3.1.3 Household Trends	25
3.2 EMPLOYMENT TRENDS AND PROJECTIONS.....	26
3.2.1 Employment Trends	26
3.2.2 Commuting Patterns.....	31
3.2.3 Employment Projections.....	31

3.3	ENVIRONMENTAL JUSTICE	35
3.3.1	Minority Populations	35
CHAPTER 4 – FUTURE TRENDS.....		44
4.1	LAND USE SCENARIO PLANNING	44
4.1.1	Phase I Study Outcomes	44
4.1.2	Phase II Scenarios	45
4.1.3	Phase II Scenario Results	46
4.1.4	Planning and Implementation	49
4.2	CONNECTED AND AUTONOMOUS VEHICLES	52
CHAPTER 5 – THE EXISTING TRANSPORTATION SYSTEM.....		53
5.1	NATIONAL AND STATE TRENDS.....	53
5.1.1	National Trends	53
5.2.1	State Trends.....	53
5.2	THE GEORGE WASHINGTON REGION	54
5.2.1	Safety and Congestion	54
5.2.2	Highways and Bridges	59
5.2.3	Public Transportation/Transportation Demand Management	65
5.2.4	Bicycle and Pedestrian Network.....	75
5.2.5	Freight Movement.....	80
5.2.6	Aviation	98
CHAPTER 6 – REGIONAL TRANSPORTATION NEEDS PLAN		104
6.1	REGIONAL TRANSPORTATION NEEDS PLAN	104
6.2	REGIONAL HIGHWAY NEEDS	108
6.3	REGIONAL TRANSIT/TDM NEEDS.....	114
6.3.1	Regional Local Transit/TDM Needs.....	114
6.3.2	Regional Commuter Transit/TDM Needs.....	124
6.4	REGIONAL BICYCLE AND PEDESTRIAN NEEDS	149
6.5	REGIONAL FREIGHT MOVEMENT NEEDS	154
6.6	REGIONAL AVIATION NEEDS.....	158
6.6.1	Stafford Regional Airport.....	158
6.6.2	Shannon Airport	158
CHAPTER 7 – THE FISCALLY CONSTRAINED LONG RANGE PLAN.....		159
7.1	INTRODUCTION	Error! Bookmark not defined.
7.2	CONSTRAINED FUNDING SCENARIO	159
7.3	FORECASTED REVENUES FROM VDOT	159
7.3.1	Comparison of 2045 and 2040 LRTP Revenue Projections	160

7.3.2	Other Potential Revenue Sources	161
7.4	COMMITTED PROJECTS.....	161
7.4.1	Atlantic Gateway Initiative	165
7.4.2	95 Express Lanes Fredericksburg Extension.....	166
7.4.3	SMART SCALE Funded Projects	166
7.5	FUTURE SMART SCALE FUNDING.....	172
7.6	FORECASTED REVENUES FROM DRPT AND TRANSIT PROVIDERS.....	172
7.6.1	Fredericksburg Regional Transit Funding	172
7.6.2	Virginia Railway Express (VRE) Funding	174
7.6.3	GWRideConnect Funding	175
7.7	FORECASTED LOCAL REVENUES.....	177
7.7.1	Total Projected Revenues	177
7.7.2	New Revenue Sources.....	177
7.8	PROJECT PRIORITIZATION	178
7.8.1	Highway Prioritization.....	178
7.8.2	Constrained Highway, Bicycle and Pedestrian Projects	179
7.8.3	Constrained Transit/TDM/Intercity	188
7.9	PRELIMINARY ENGINEERING/STUDY PROJECT LIST	194
7.10	MAP-21 PERFORMANCE MEASURES.....	200
7.10.1	Transportation Performance Management and FAMPO's Next Long-Range Plan	200
7.10.2	Safety.....	205
7.10.3	Resiliency, Reliability, Stormwater and Vulnerability.....	212
7.10.4	Transit and tdm	218
7.10.5	Tourism.....	223