2050 LRTP Project Prioritization Weighting Factors - HIGHWAY

Highway Projects	
PROJECT UTILITY	
Congestion Level	**40.00**
% Reduction in Existing and Future V/C Ratios (Daily Delay)	*9.00*
Existing Peak Period Congestion/Level of Service	*8.00*
Congestion Duration	*5.00*
Person Throughput	*5.00*
Person Hours of Delay	*5.00*
Impact to Nearby Roadways	*8.00*
Travel Time Reliability	**15.00**
Level of Travel Time Reliability (LOTTR)	*10.00*
Truck Travel Time Reliability (TTTR)	*5.00*
System Continuity and Connectivity	**25.00**
Degree of Regional Impact	*12.00*
Improves Access to Major Employment or Population Centers	*3.00*
Minimizes Trip-Loss During Disruptive Events	*3.00*
Flooding Vulnerability Addressed/Not Vulnerable	*2.00*
Access to Critical Areas/Facilities	*2.00*
Maintains Access to Critical Areas/Facilities Maintained During Disruptive Events	*1.00*
Addresses a Gap	*2.00*
Safety and Security	**15.00**
Reduction of EPDO of Fatal and Serious Injury Crashes	*5.00*
Reduction of EPDO Rate of Fatal and Serious Injury Crashes	*5.00*
Improvement to Incident Management or Evacuation Routes	*5.00*
Modal Enhancements	**5.00**
Enhances Other Modal Categories	*3.00*
Access to Multimodal Choices	*2.00*
PROJECT UTILITY TOTAL	***100.00***
ECONOMIC VITALITY	
Travel Time and Delay Impacts	**30.00**
Total Reduction in Regional Travel Time	*15.00*
Total Reduction in Regional Delay	*15.00*
Labor Market Access	**10.00**
Increased Access for High Density Employment Areas	*10.00*
Addresses the Needs of Basic Sector Industries	**30.00**
Increases Access for Defense Installations	*6.00*
Facility part of STRAHNET/Roadway Serving the Military	*4.00/3.00*
Increases Access for Port Facilities	*5.00*
Provides Improved Access to Truck Zones	*5.00*
Increases Access to Tourist Destinations	*10.00*
Increased Opportunity	**20.00**
Provides New of Increased Access	*5.00*
Supports Plans for Future Growth	*5.00*
Provides Access to Institutions of Higher Education (including workforce development sites)	*5.00*
Improved Access to UDAs/GOZs/IEDAs	*5.00*
Economic Distress Factors	**10.00**
Provides Access to Low Income Areas	*4.00*
Provides Access to Areas with High Unemployment	*4.00*
Maintains Access to Transportation-Vulnerable Communities During Disruptive Events	*2.00*
ECONOMIC VITALITY TOTAL	***100.00***
PROJECT VIABILITY	
Project Readiness	**45.00**
Percentage of Committed Funding	*10.00*
Prior Commitment	*10.00*
Project alignment status	*5.00*
Percentage of Project Design Complete	*5.00*
Environmental Documents Status	*5.00*
Environmental Decisions Obtained	*5.00*
ROW Obtained/Utilities Coordinated	*5.00*
Land Use/Future Development Compatibility	**15.00**
Environmental:	**10.00**
Environmental MOEs	*3.00*
Acres of Natural and Cultural Resources	*3.00*
Project reduces traffic delay at a congested bottleneck with high percentage of truck traffic	*2.00*
Percentage of truck traffic (for congested bottlenecks with high truck traffic)	*2.00*
System Importance	**10.00**
Project Regret Score	*5.00*
Infrastructure Criticality	*5.00*
Cost Effectiveness	**20.00**
Benefits to Cost Comparison	*15.00*
Return on Investment Across Scenarios (includes delay and repair cost savings)	*5.00*
PROJECT VIABILITY TOTAL	**100.00**

2050 LRTP Project Prioritization Weighting Factors - INTERCHANGE

Interchange Projects	
PROJECT UTILITY	
Congestion Level	**40.00**
Existing Queue Conditions: Number of Approaches with Queues	*10.00*
Queue Improvements: Number of Approaches Improved	*10.00*
Person Throughput	*5.00*
Person Hours of Delay	*5.00*
Number of Movements Added or Improved	*10.00*
Travel Time Reliability	**15.00**
Level of Travel Time Reliability (LOTTR)	*10.00*
Truck Travel Time Reliability (TTTR)	*5.00*
System Continuity and Connectivity	**25.00**
Degree of Regional Impact	*12.00*
Improves Access to Major Employment or Population Centers	*3.00*
Minimizes Trip-Loss During Disruptive Events	*3.00*
Flooding Vulnerability Addressed/Not Vulnerable	*2.00*
Access to Critical Areas/Facilities	*2.00*
Maintains Access to Critical Areas/Facilities Maintained During Disruptive Events	*1.00*
Addresses a Gap	*2.00*
Safety and Security	**15.00**
Reduction of EPDO of Fatal and Serious Injury Crashes	*5.00*
Reduction of EPDO Rate of Fatal and Serious Injury Crashes	*5.00*
Improvement to Incident Management or Evacuation Routes	*5.00*
Modal Enhancements	**5.00**
Enhances Other Modal Categories	*3.00*
Access to Multimodal Choices	*2.00*
PROJECT UTILITY TOTAL	***100.00***
ECONOMIC VITALITY	
Travel Time and Delay Impacts	**30.00**
Total Reduction in Regional Travel Time	*15.00*
Total Reduction in Regional Delay	*15.00*
Labor Market Access	**10.00**
Increased Access for High Density Employment Areas	*10.00*
Addresses the Needs of Basic Sector Industries	**30.00**
Increases Access for Defense Installations	*6.00*
Facility part of STRAHNET/Roadway Serving the Military	*4.00/3.00*
Increases Access for Port Facilities	*5.00*
Provides Improved Access to Truck Zones	*5.00*
Increases Access to Tourist Destinations	*10.00*
Increased Opportunity	**20.00**
Provides New of Increased Access	*5.00*
Supports Plans for Future Growth	*5.00*
Provides Access to Institutions of Higher Education (including workforce development sites)	*5.00*
Improved Access to UDAs/GOZs/IEDAs	*5.00*
Economic Distress Factors	**10.00**
Provides Access to Low Income Areas	*4.00*
Provides Access to Areas with High Unemployment	*4.00*
Maintains Access to Transportation-Vulnerable Communities During Disruptive Events	*2.00*
ECONOMIC VITALITY TOTAL	***100.00***
PROJECT VIABILITY	
Project Readiness	**45.00**
Percentage of Committed Funding	*10.00*
Prior Commitment	*10.00*
Project alignment status	*5.00*
Percentage of Project Design Complete	*5.00*
Environmental Documents Status	*5.00*
Environmental Decisions Obtained	*5.00*
ROW Obtained/Utilities Coordinated	*5.00*
Land Use/Future Development Compatibility	**15.00**
Environmental:	**10.00**
Environmental MOEs	*3.00*
Acres of Natural and Cultural Resources	*3.00*
Project reduces traffic delay at a congested bottleneck with high percentage of truck traffic	*2.00*
Percentage of truck traffic (for congested bottlenecks with high truck traffic)	*2.00*
System Importance	**10.00**
Project Regret Score	*5.00*
Infrastructure Criticality	*5.00*
Cost Effectiveness	**20.00**
Benefits to Cost Comparison	*15.00*
Return on Investment Across Scenarios (includes delay and repair cost savings)	*5.00*
PROJECT VIABILITY TOTAL	**100.00**

2050 LRTP Project Prioritization Weighting Factors - BRIDGE/TUNNEL

Bridge & Tunnel Projects	
PROJECT UTILITY	
Congestion Level	**40.00**
% Reduction in Existing and Future V/C Ratios (Daily Delay)	*9.00*
Existing Peak Period Congestion/Level of Service	*8.00*
Congestion Duration	*5.00*
Person Throughput	*5.00*
Person Hours of Delay	*5.00*
Impact to Nearby Roadways	*8.00*
Travel Time Reliability	**15.00**
Level of Travel Time Reliability (LOTTR)	*10.00*
Truck Travel Time Reliability (TTTR)	*5.00*
Infrastructure Condition	**15.00**
Bridge State of Good Repair Ratings:	
Condition Factor	*5.50*
Importance Factor	*4.50*
Design Redundancy Factor	*3.00*
Structure Capacity	*2.00*
Tunnels:	
Age of Tunnel	*5.00*
Last Major Repair	*5.00*
Costs for Necessary Repairs/Upgrades	*5.00*
System Continuity and Connectivity	**15.00**
Degree of Regional Impact	*3.00*
Improves Access to Major Employment or Population Centers	*3.00*
Minimizes Trip-Loss During Disruptive Events	*2.00*
Flooding Vulnerability Addressed/Not Vulnerable	*2.00*
Access to Critical Areas/Facilities	*2.00*
Maintains Access to Critical Areas/Facilities During Disruptive Events	*1.00*
Addresses a Gap	*2.00*
Safety and Security	**10.00**
Reduction of EPDO of Fatal and Serious Injury Crashes	*2.50*
Reduction of EPDO Rate of Fatal and Serious Injury Crashes	*2.50*
Improvement to Incident Management or Evacuation Routes	*3.00*
Diversion Impact Due to Failure (Impact of Detour to Alternate Crossing)	*2.00*
Modal Enhancements	**5.00**
Enhances Other Modal Categories	*2.00*
Access to Multimodal Choices	*2.00*
Provides Continuous Maritime Crossing	*1.00*
PROJECT UTILITY TOTAL	***100.00***
ECONOMIC VITALITY	
Travel Time and Delay Impacts	**30.00**
Total Reduction in Regional Travel Time	*15.00*
Total Reduction in Regional Delay	*15.00*
Labor Market Access	**10.00**
Increased Access for High Density Employment Areas	*10.00*
Addresses the Needs of Basic Sector Industries	**30.00**
Increases Access for Defense Installations	*6.00*
Facility part of STRAHNET/Roadway Serving the Military	*4.00/3.00*
Increases Access for Port Facilities	*5.00*
Provides Improved Access to Truck Zones	*5.00*
Increases Access to Tourist Destinations	*10.00*
Increased Opportunity	**20.00**
Provides New of Increased Access	*5.00*
Supports Plans for Future Growth	*5.00*
Provides Access to Institutions of Higher Education (including workforce development sites)	*5.00*
Improved Access to UDAs/GOZs/IEDAs	*5.00*
Economic Distress Factors	**10.00**
Provides Access to Low Income Areas	*4.00*
Provides Access to Areas with High Unemployment	*4.00*
Maintains Access to Transportation-Vulnerable Communities During Disruptive Events	*2.00*
ECONOMIC VITALITY TOTAL	***100.00***
PROJECT VIABILITY	
Project Readiness	**45.00**
Percentage of Committed Funding	*10.00*
Prior Commitment	*10.00*
Project alignment status	*5.00*
Percentage of Project Design Complete	*5.00*
Environmental Documents Status	*5.00*
Environmental Decisions Obtained	*5.00*
ROW Obtained/Utilities Coordinated	*5.00*
Land Use/Future Development Compatibility	**15.00**
Environmental:	**10.00**
Environmental MOEs	*3.00*
Acres of Natural and Cultural Resources	*3.00*
Project reduces traffic delay at a congested bottleneck with high percentage of truck traffic	*2.00*
Percentage of truck traffic (for congested bottlenecks with high truck traffic)	*2.00*
System Importance	**10.00**
Project Regret Score	*5.00*
Infrastructure Criticality	*5.00*
Cost Effectiveness	**20.00**
Benefits to Cost Comparison	*15.00*
Return on Investment Across Scenarios (includes delay and repair cost savings)	*5.00*
PROJECT VIABILITY TOTAL	**100.00**

2050 LRTP Project Prioritization Weighting Factors - INTERMODAL/FREIGHT

Intermodal/Freight Projects	
PROJECT UTILITY	
Better Accommodates Intermodal Movements	**30.00**
Improves Rail/Vehicular Access	**30.00**
Travel Time Reliability	**15.00**
Level of Travel Time Reliability (LOTTR)	*5.00*
Truck Travel Time Reliability (TTTR)	*10.00*
System Continuity and Connectivity	**15.00**
Degree of Regional Impact	*7.00*
Minimizes Trip-Loss During Disruptive Events	*3.00*
Flooding Vulnerability Addressed/Not Vulnerable	*1.00*
Access to Critical Areas/Facilities	*1.00*
Maintains Access to Critical Areas/Facilities Maintained During Disruptive Events	*1.00*
Addresses a Gap	*2.00*
Modal Enhancements	**10.00**
Enhances Other Modal Categories	*6.00*
Access to Multimodal Choices	*4.00*
PROJECT UTILITY TOTAL	***100.00***
ECONOMIC VITALITY	
Travel Time and Delay Impacts	**30.00**
Total Reduction in Regional Travel Time	*15.00*
Total Reduction in Regional Delay	*15.00*
Labor Market Access	**20.00**
Impact on Truck Movement	*15.00*
Increases Access for High Density Employment Areas	*5.00*
Improves Interaction Between Modes of Travel for Basic Sector Industries	**20.00**
Increases Access for Port Facilities	*5.00*
Improves Access to Truck Zones	*5.00*
Improves Flow of Rail	*5.00*
Increases Access to Air	*5.00*
Increased Opportunity	**30.00**
Provides New or Increased Access	*15.00*
Supports Plans for Future Growth	*10.00*
Improved Access to UDAs/GOZs/IEDAs	*5.00*
ECONOMIC VITALITY TOTAL	***100.00***
PROJECT VIABILITY	
Project Readiness	**45.00**
Percentage of Committed Funding	*10.00*
Prior Commitment	*10.00*
Project alignment status	*5.00*
Percentage of Project Design Complete	*5.00*
Environmental Documents Status	*5.00*
Environmental Decisions Obtained	*5.00*
ROW Obtained/Utilities Coordinated	*5.00*
Land Use/Future Development Compatibility	**15.00**
Environmental:	**10.00**
Environmental MOEs	*3.00*
Acres of Natural and Cultural Resources	*4.00*
Percentage of truck traffic (for congested bottlenecks with high truck traffic)	*3.00*
System Importance	**10.00**
Project Regret Score	*5.00*
Infrastructure Criticality	*5.00*
Cost Effectiveness	**20.00**
Benefits to Cost Comparison	*15.00*
Return on Investment Across Scenarios (includes delay and repair cost savings)	*5.00*
PROJECT VIABILITY TOTAL	**100.00**

2050 LRTP Project Prioritization Weighting Factors - TRANSIT

Transit Projects	
PROJECT UTILITY	
Congestion - Percent of Trips Removed from Roadways	**10.00**
Existing Usage and/or Prospective Ridership, Coverage Area/ Population Served	**20.00**
System Continuity and Connectivity	**25.00**
Degree of Regional Impact	*8.00*
Improves Access to Major Employment or Population Centers	*7.00*
Minimizes Trip-Loss During Disruptive Events	*3.00*
Flooding Vulnerability Addressed/Not Vulnerable	*2.00*
Access to Critical Areas/Facilities	*2.00*
Maintains Access to Critical Areas/Facilities Maintained During Disruptive Events	*1.00*
Addresses a Gap	*2.00*
User Benefit	**35.00**
Annual Travel Time Savings per Rider	*10.00*
New Project	*5.00*
Increased Travel Time Reliability	*5.00*
Operating Efficiency	*5.00*
Accessibility (including ADA) and/or Customer Experience	*5.00*
Safety and Security	*5.00*
Modal Enhancements	**10.00**
Enhances Other Modal Categories	*6.00*
Access to Multimodal Choices	*4.00*
PROJECT UTILITY TOTAL	***100.00***
ECONOMIC VITALITY	
Labor Market Access	**30.00**
Increases Access for Major Employment Centers	*20.00*
Increases Frequency of Service	*10.00*
Addresses the Needs of Basic Sector Industries	**20.00**
Provides or Improves Access for Defense Installations	*10.00*
Provides/Improves Access for Tourist Destinations	*10.00*
Increased Opportunity - Provides New Access to the Network	**30.00**
Supported by Plans for Increased Density and Economic Activity	*15.00*
Provides New Access to the Network	*5.00*
Provides Access to Institutions of Higher Education (including workforce development sites)	*5.00*
Improved Access to UDAs/GOZs/IEDAs	*5.00*
Economic Distress Factors	**20.00**
Provides Access to Low Income Areas	*8.00*
Provides Access to Areas with High Unemployment	*8.00*
Maintains Access to Transportation-Vulnerable Communities During Disruptive Events	*4.00*
ECONOMIC VITALITY TOTAL	***100.00***
PROJECT VIABILITY	
Project Readiness	**45.00**
Percentage of Committed Funding	*10.00*
Prior Commitment	*10.00*
Project alignment status	*5.00*
Percentage of Project Design Complete	*5.00*
Environmental Documents Status	*5.00*
Environmental Decisions Obtained	*5.00*
ROW Obtained/Utilities Coordinated	*5.00*
Land Use/Future Development Compatibility	**15.00**
Environmental:	**10.00**
Environmental MOEs	*3.00*
Acres of Natural and Cultural Resources	*4.00*
Air Quality/Emissions Reduction (Tons of emissions (HC and Nox) reduced per year)	*3.00*
System Importance	**10.00**
Project Regret Score	*5.00*
Infrastructure Criticality	*5.00*
Cost Effectiveness	**20.00**
Benefits to Cost Comparison	*15.00*
Return on Investment Across Scenarios (includes delay and repair cost savings)	*5.00*
PROJECT VIABILITY TOTAL	**100.00**

2050 LRTP Project Prioritization Weighting Factors - ACTIVE TRANSPORTATION

Active Transportation Projects	
PROJECT UTILITY	
Existing Usage and/or User Demand	**20.00**
System Continuity and Connectivity	**30.00**
Access to Transit, Local, or Regional Destinations	*10.00*
Regional Significance	*4.00*
Connections to Existing Bicycle/Pedestrian Facilities	*5.00*
Elimination of Barriers to Major Destinations	*5.00*
Minimizes Trip-Loss During Disruptive Events	*1.00*
Flooding Vulnerability Addressed/Not Vulnerable	*2.00*
Access to Critical Areas/Facilities	*2.00*
Maintains Access to Critical Areas/Facilities Maintained During Disruptive Events	*1.00*
Safety	**30.00**
Crash History	*15.00*
Level of Separation/Network Quality	*10.00*
Associated with Safe Routes to School	*5.00*
Modal Enhancements	**20.00**
Enhances Other Modal Categories	*10.00*
Enhances First Mile - Last Mile Connections	*6.00*
Access to Multimodal Choices	*4.00*
PROJECT UTILITY TOTAL	***100.00***
ECONOMIC VITALITY	
Labor Market Access	**20.00**
Increases Access for Major Employment Centers	*20.00*
Addresses the Needs of Basic Sector Industries	**20.00**
Provides or Improves Access for Defense Installations	*10.00*
Provides/Improves Access for Tourist Destinations	*10.00*
Increased Opportunity - Provides New Access to the Network	**40.00**
Supports Plans for Future Growth	*10.00*
Provides New Access to the Network	*10.00*
Provides Access to Institutions of Higher Education (including workforce development sites)	*10.00*
Improved Access to UDAs/GOZs/IEDAs	*10.00*
Economic Distress Factors	**20.00**
Provides Access to Low Income Areas	*8.00*
Provides Access to Areas with High Unemployment	*8.00*
Maintains Access to Transportation-Vulnerable Communities During Disruptive Events	*4.00*
ECONOMIC VITALITY TOTAL	***100.00***
PROJECT VIABILITY	
Project Readiness	**45.00**
Percentage of Committed Funding	*10.00*
Prior Commitment	*10.00*
Project alignment status	*5.00*
Percentage of Project Design Complete	*5.00*
Environmental Documents Status	*5.00*
Environmental Decisions Obtained	*5.00*
ROW Obtained/Utilities Coordinated	*5.00*
Land Use/Future Development Compatibility	**15.00**
Environmental:	**10.00**
Access to Natural and Cultural Resources	*6.00*
Air Quality/Emissions Reduction (Tons of emissions (HC and Nox) reduced per year)	*4.00*
System Importance	**10.00**
Project Regret Score	*5.00*
Infrastructure Criticality	*5.00*
Cost Effectiveness	**20.00**
Benefits to Cost Comparison	*15.00*
Return on Investment Across Scenarios (includes delay and repair cost savings)	*5.00*
PROJECT VIABILITY TOTAL	**100.00**

2050 LRTP Project Prioritization Weighting Factors - SYSTEMS/DEMAND MANAGEMENT

Systems/Demand Management Projects	
PROJECT UTILITY	
Congestion Level	**40.00**
Existing Congestion Level	*20.00*
Project Improves Level of Service or Increases Service Capacity	*10.00*
Person Throughput	*5.00*
Person Hours of Delay	*5.00*
Travel Time Reliability	**15.00**
Level of Travel Time Reliability (LOTTR)	*10.00*
Truck Travel Time Reliability (TTTR)	*5.00*
System Continuity and Connectivity	**15.00**
Degree of Regional Impact	*3.00*
Improves Access to Major Employment or Population Centers	*3.00*
Minimizes Trip-Loss During Disruptive Events	*2.00*
Flooding Vulnerability Addressed/Not Vulnerable	*2.00*
Access to Critical Areas/Facilities	*2.00*
Maintains Access to Critical Areas/Facilities Maintained During Disruptive Events	*1.00*
Addresses a Gap	*2.00*
Safety and Security	**15.00**
Degree Project Will Reduce Crashes (use EPDO data when possible)	*5.00*
Improvement to Incident Management or Evacuation Routes	*5.00*
Emergency Preemption or Incident Detection	*5.00*
Project Type Dependent Measures	**10.00**
(refer to Project Type Measures for specifics)	*10.00*
Modal Enhancements	**5.00**
Enhances Other Modal Categories	*3.00*
Access to Multimodal Choices	*2.00*
PROJECT UTILITY TOTAL	***100.00***
ECONOMIC VITALITY	
Travel Time and Delay Impacts	**30.00**
Total Reduction in Regional Travel Time	*15.00*
Project Improves Delay During Peak Congestion and/or Special Events	*15.00*
Labor Market Access	**10.00**
Increased Access for High Density Employment Areas	*10.00*
Addresses the Needs of Basic Sector Industries	**30.00**
Increases Access for Defense Installations	*6.00*
Facility part of STRAHNET/Roadway Serving the Military	*4.00/3.00*
Increases Access for Port Facilities	*5.00*
Provides Improved Access to Truck Zones	*5.00*
Increases Access to Tourist Destinations	*10.00*
Increased Opportunity	**20.00**
Provides New of Increased Access	*5.00*
Supports Plans for Future Growth	*5.00*
Provides Access to Institutions of Higher Education (including workforce development sites)	*5.00*
Improved Access to UDAs/GOZs/IEDAs	*5.00*
Economic Distress Factors	**10.00**
Provides Access to Low Income Areas	*4.00*
Provides Access to Areas with High Unemployment	*4.00*
Maintains Access to Transportation-Vulnerable Communities During Disruptive Events	*2.00*
ECONOMIC VITALITY TOTAL	***100.00***
PROJECT VIABILITY	
Project Readiness	**45.00**
Percentage of Committed Funding	*10.00*
Prior Commitment	*10.00*
Project alignment status	*5.00*
Percentage of Project Design Complete	*5.00*
Environmental Documents Status	*5.00*
Environmental Decisions Obtained	*5.00*
ROW Obtained/Utilities Coordinated	*5.00*
Land Use/Future Development Compatibility	**15.00**
Environmental:	**10.00**
Environmental MOEs	*3.00*
Acres of Natural and Cultural Resources	*3.00*
Project reduces traffic delay at a congested bottleneck with high percentage of truck traffic	*2.00*
Percentage of truck traffic (for congested bottlenecks with high truck traffic)	*2.00*
System Importance	**10.00**
Project Regret Score	*5.00*
Infrastructure Criticality	*5.00*
Cost Effectiveness	**20.00**
Benefits to Cost Comparison	*15.00*
Return on Investment Across Scenarios (includes delay and repair cost savings)	*5.00*
PROJECT VIABILITY TOTAL	**100.00**