

Section 7.1.1 Project Development and Transportation Prioritization

The transportation safety plan matrix includes a range of projects derived from public outreach comments, requests from the City Administrative staff, SAPT planning team members and existing plans. To estimate the costs of these proposed projects, order-of-magnitude estimates were calculated using average unit costs from past road Pribilof Island Road Projects, with quantities based on typical conditions for each improvement type. Cost estimates also included additional considerations for right-of-way acquisition, utility relocations, engineering fees, and a 20 percent contingency for unforeseen expenses. The prioritization of these safety projects was determined through a criteria-based approach, incorporating input from public outreach, to align with the goals and objectives of the Safety Action Plan.

Each project in the City of Saint Paul Capital Improvement Plan (CIP) and Safety Action Plan will receive a score based on a 1-10 ranking for specific criteria, with scores multiplied by weighted percentages to calculate a final Project Score. Projects are then categorized as **Essential** (46-60), **Desirable** (31-45), **Acceptable** (16-30), or **Deferrable** (0-15). Each is assigned a readiness timeline—short-term (0-5 years), mid-term (5-10 years), or long-term (10+ years). The City Council prioritizes higher-ranked projects for State and Federal funding, focusing on those with the greatest impact on safety and public welfare.

Table 8. Priority Project Scoring Matrix

Timeframe	Years	Description	Priority Level	Project Score Range	Description
Short-term	0-5 years	Immediate goals or projects to be completed within the next five years.	Essential	46-60	Urgent, high priority; addresses emergency or dangerous conditions, critical for improving road safety.
Mid-term	5-10 years	Medium-range goals or projects expected to be achieved within five to ten years.	Desirable	31-45	High-priority, valid timing; implement as funding becomes available.
Long-term	10+ years	Long-range goals or projects that will take over ten years to complete or plan for.	Acceptable	16-30	Worthwhile but can be deferred if needed; budget dependent.
			Deferrable	0-15	Low-priority, desirable but not essential; can be postponed.

Table 9. Project Priority Criteria Matrix

Criteria	Explanation	Evaluation Measure	Scoring Scale (Points Possible 1-10)				
			1	3	5	7	10
Goals and Emphasis Areas	Projects that address and provide connection to the goals and emphasis area highlighted in the plan	Number of goals and emphasis areas addressed as part of the project.	Does not address any of the goals or emphasis areas in the plan	↔	Addresses two or more goals or emphasis areas in the plan.	↔	Addresses all of the goals or emphasis areas highlighted in the plan.
Safe System Approach	Projects that address the Safe System Approach to improvements in transportation safety.	Number of Safe System Approach elements addressed by the project: Safer People, Safer Vehicles, Safer Speeds, Safer Roads, Post-Crash Care.	Does not address any of the elements in the Safe System Approach.	↔	Addresses two or more elements in the Safe System Approach.	↔	Addresses all of the elements in the Safe System Approach.
Crash Factor	Projects that address the Vision Zero approach to crashes that result in fatalities and serious injuries.	Intersections or roads where injuries or fatal accidents have occurred.	No crashes resulting in injury or death have occurred on the roadway or route segment.	↔	Three or more crashes resulting in serious injury or death have occurred on the roadway or route segment.	↔	Five or more crashes resulting in serious injury or death have occurred on the roadway or route segment.
Equity Considerations	Projects that equity considerations including Transportation Disadvantaged Communities (TDC) areas of concern around Accessibility, Health and Environment.	Project includes improvements that address Pribilof Islands TDC Areas of Concern.	Does not address any of the Pribilof Islands TDC Areas of Concern.	↔	Addresses two or more Pribilof Islands TDC Areas of Concern.	↔	Addresses all of the Pribilof Islands TDC Areas of Concern.
Existing Plan	Projects that support existing plans, policies, and development projects are already proposed.	Project is in an existing plan, policy, procedure or development project.	Project is not in an existing plan, policy or development project.	↔	Project has been listed within a plan or policy for three or more years.	↔	Project has been listed within a plan or policy for five or more years.
Public Input	Project has been cited by the public through public meetings or stakeholder engagement.	Project has been cited by the public through public meetings or stakeholder engagement by one or more individuals in the form of feedback, surveys or community outreach events.	Project not developed with public input	↔	Project part of public input received by two or more individuals.	↔	Project part of public input received by five or more individuals.

Table 10. Transportation Project Prioritization & Implementation Matrix

Description	ID#	Improvement Type	Lead Department	Priority Level	Cost Estimate	Partner Entities	Funding Sources	Timeline	Project Prioritization Scoring Criteria										
									Goals & Emphasis Area	Safe System Approach	Crash Factor	Equity Considerations	Existing Plan	Public Input	Total Priority Score				
Route Infrastructure																			
King Street Culvert Installation Project	1-R	Road Conditions	City of Saint Paul		\$375,960	Aleut Tribal Government of Saint Paul	SS4A, TTSP, USDOT	Mid-term											
Rim Rock Drive Drainage Improvement Project	2-R	Road Conditions	City of Saint Paul		\$407,290	Aleut Tribal Government of Saint Paul	SS4A, TTSP, USDOT	Mid-term											
Bartlett Boulevard (West) Drainage Improvement Project	3-R	Road Conditions	City of Saint Paul		\$626,600	Aleut Tribal Government of Saint Paul	SS4A, TTSP, USDOT	Mid-term											
Bartlett Boulevard (East) Drainage Improvement Project	4-R	Road Conditions	City of Saint Paul		\$1,159,210	Aleut Tribal Government of Saint Paul	SS4A, TTSP, USDOT	Mid-term											
Sidetown Road Drainage Improvement Project	5-R	Road Conditions	City of Saint Paul		\$751,920	Aleut Tribal Government of Saint Paul	SS4A, TTSP, USDOT	Mid-term											
Diamond Hill Road/Public Works Drainage Improvement Project	6-R	Road Conditions	City of Saint Paul		\$751,920	Aleut Tribal Government of Saint Paul	SS4A, TTSP, USDOT	Mid-term											
Haul Road Drainage Improvement Project	7-R	Road Conditions	City of Saint Paul		\$1,503,840	Aleut Tribal Government of Saint Paul	SS4A, TTSP, USDOT	Mid-term											

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Community Street Lighting Upgrade	8-R	Road Visibility	City of Saint Paul		\$125,000	Aleut Tribal Government of Saint Paul, TDX	SS4A, TTSP, USDOT, RAISE	Mid-term									
Old Town Road Drainage Improvement Project	9-R	Road Conditions	City of Saint Paul		\$1,879,800	Aleut Tribal Government of Saint Paul	SS4A, TTSP, USDOT, RAISE	Mid-term									
School Area Complete Streets Project	10-R	Complete Streets	City of Saint Paul		\$2,340,000	Aleut Tribal Government of Saint Paul	SS4A, TTSP, USDOT, RAISE	Mid-term									
New Town Road Drainage Improvement Project	11-R	Road Conditions	City of Saint Paul		\$1,879,800	Aleut Tribal Government of Saint Paul	SS4A, TTSP, USDOT, RAISE	Mid-term									
Harbor Road	12-R	Complete Streets	City of Saint Paul		\$2,600,000	Aleut Tribal Government of Saint Paul, TDX, CBSFA, ADOT&PF, USDOT	SS4A, TTSP, USDOT, RAISE, ADOT&PF	Long-Term									
Aalax Landfill Road	13-R	Complete Streets	City of Saint Paul		\$11,000,000	Aleut Tribal Government of Saint Paul, TDX, Aleut Corp, ADOT&PF	SS4A, TTSP, USDOT, RAISE, ADOT&PF	Long-Term									
Community & Island Wide Trail Improvements	14-R	Complete Streets	City of Saint Paul		\$200,000	Aleut Tribal Government of Saint Paul, TDX, Aleut Corp, ADNR, FWS, NOAA	SS4A, TTSP, TTP ADNR	Mid-term									
Saint Paul School Ballfield Pedestrian Project	16-R	Pedestrian Walkways	Aleut Tribal Government of Saint Paul Island		\$1,100,000	City of Saint Paul, TDX, Aleut Corp, NPS	SS4A, TTSP, USDOT, RAISE, NPS-RTCA	Mid-term									
Saint Paul Island Street Sign Development Project	17-R	Road Safety Signage	Aleut Tribal Government of Saint Paul Island		\$280,000	City of Saint Paul, TDX, Aleut Corp	SS4A, TTSP, USDOT, RAISE, NPS-RTCA	Mid-term									

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Saint Paul Island Safety Signage	18-R	Road Safety Signage	City of Saint Paul		\$125,000	Aleut Tribal Government of Saint Paul	SS4A, TTSP, USDOT	Short-Term									
Guardrail Replacement and Improvement Project	19-R	Roadway Departure	City of Saint Paul		\$792,000	Aleut Tribal Government of Saint Paul	SS4A, TTSP, USDOT	Mid-term									
Speed Limit & Feedback Signage	20-R	Speed Management	City of Saint Paul		\$80,000	Aleut Tribal Government of Saint Paul	SS4A, TTSP, USDOT	Mid-term									
NE Point Road Drainage Improvement Project	21-R	Road Conditions	City of Saint Paul		\$1,159,210	Aleut Tribal Government of Saint Paul	SS4A, TTSP, USDOT, RAISE	Long-Term									
SW Point Road Drainage Improvement Project	22-R	Road Conditions	City of Saint Paul		\$1,159,210	Aleut Tribal Government of Saint Paul	SS4A, TTSP, USDOT, RAISE	Long-Term									
Planning Projects																	
Community Road Lighting Plan	1-P	Safety Study	City of Saint Paul		\$35,000	Aleut Tribal Government of Saint Paul, TDX	SS4A, TTSP, USDOT, RAISE	Mid-term									
Safe Routes to Schools Plan	2-P	Safety Study	City of Saint Paul		\$45,000	Aleut Tribal Government of Saint Paul, Pribilof School District	SS4A, TTSP, USDOT, RAISE	Mid-term									
Transportation Equity Assessment	3-P	Safety Study	City of Saint Paul		\$35,000	Aleut Tribal Government of Saint Paul	SS4A, TTSP, USDOT, RAISE	Mid-term									
FAA Safety Management Systems (SMS) Manual and implementation plan	4-P	Safety Study	City of Saint Paul		\$80,000	FAA, ADOT&PF	FAA, ADOT&PF	Mid-term									
Road Safety Audit	5-P	Safety Study	City of Saint Paul		\$35,000	Aleut Tribal Government of Saint Paul, ADOT&PF	SS4A, TTSP, USDOT, RAISE	Mid-term									

Transportation, Utility & Community GIS Mapping Project	6-P	Mapping Study	City of Saint Paul		\$250,000	Aleut Tribal Government of Saint Paul, TDX	SS4A, TTSP, USDOT, RAISE	Mid-term									
Technical Analysis of High Incident Areas	7-P	Enforcement	City of Saint Paul		\$50,000	Aleut Tribal Government of Saint Paul, DPS	SS4A, TTSP, USDOT, DPS	Long-Term									
Road Safety Vehicles and Equipment																	
Public Safety UTV Vehicle	1-V	Vehicles	City of Saint Paul Public Safety		\$47,000	Aleut Tribal Government of Saint Paul, Alaska DPS	DPS, TTP, Denali	Short-Term									
Transportation Support Vehicle	2-V	Vehicles	City of Saint Paul Public Safety		\$55,000	Aleut Tribal Government of Saint Paul, Alaska DPS	DPS, TTP, Denali	Short-Term									
120 AWD Road Grader	3-V	Heavy Equipment	City of Saint Paul Public Works		\$370,000	Aleut Tribal Government of Saint Paul, ADOT&PF	ADOT&PF, TTP, Denali	Mid-term									
12 Yard Dump Truck	4-V	Heavy Equipment	City of Saint Paul Public Works		\$245,000	Aleut Tribal Government of Saint Paul, ADOT&PF	ADOT&PF, TTP, Denali	Mid-term									
Hooklift Truck	5-V	Heavy Equipment	City of Saint Paul Public Works		\$245,000	Aleut Tribal Government of Saint Paul, ADOT&PF	ADOT&PF, TTP, Denali	Mid-term									
Excavator	6-V	Heavy Equipment	City of Saint Paul Public Works		\$420,000	Aleut Tribal Government of Saint Paul, ADOT&PF	ADOT&PF, TTP, Denali	Mid-term									
12 Ton Flatbed Trailer	7-V	Heavy Equipment	City of Saint Paul Public Works		\$35,000	Aleut Tribal Government of Saint Paul, ADOT&PF	ADOT&PF, TTP, Denali	Short-Term									
Extended Boob Forklift`	8-V	Heavy Equipment	City of Saint Paul Public Works		\$360,000	Aleut Tribal Government of Saint Paul, ADOT&PF	ADOT&PF, TTP, Denali	Mid-term									

Snow Wing for 160 AWD Grader	9-V	Heavy Equipment	City of Saint Paul Public Works		\$58,500	Aleut Tribal Government of Saint Paul, ADOT&PF	ADOT&PF, TTP, Denali	Short-Term									
313 Excavator	10-V	Heavy Equipment	City of Saint Paul Public Works		\$403,891	Aleut Tribal Government of Saint Paul, ADOT&PF	ADOT&PF, TTP, Denali	Mid-term									
963 Tracked Loader	11-V	Heavy Equipment	City of Saint Paul Public Works		\$624,247	Aleut Tribal Government of Saint Paul, ADOT&PF	ADOT&PF, TTP, Denali	Mid-term									
Marine Infrastructure																	
Harbor Improvements and Expansion Project Phase 1a -City South Dock Renovations and New Berthing Dolphins	1-M	Harbor	City of Saint Paul, ADOT&PF		\$10,775,576	ADOT&PF, USDOT	Denali, MARAD, RAISE	Long-Term									
Harbor Improvements and Expansion Project Phase 1d - City North Docks and Piers	2-M	Harbor	City of Saint Paul, ADOT&PF		\$28,499,929	Aleut Tribal Government of Saint Paul	Denali, MARAD, RAISE	Long-Term									
Harbor Improvements and Expansion Project Phase 1c- Repair of TDX/Trident Dock; Fendering System for TDX/Trident Dock	3-M	Harbor	City of Saint Paul, ADOT&PF		\$16,750,000	ADOT&PF, USDOT	Denali, MARAD, RAISE	Long-Term									

Harbor Improvements and Expansion Project Phase 1d- Piling dock or dolphins east of TDX/Trident Dock	4-M	Harbor	City of Saint Paul, ADOT&PF		\$14,250,000	ADOT&PF, USDOT	Denali, MARAD, RAISE	Long-Term							
Harbor Improvements and Expansion Project Phase 2: Expand the breakwater and revise the entrance channel.	5-M	Harbor	City of Saint Paul, ADOT&PF		\$28,899,000	ADOT&PF, USDOT	Denali, MARAD, RAISE	Long-Term							
Harbor Improvements and Expansion Project Phase 3a: relocating the exit to the salt lagoon and creating new uplands and additional moorage.	6-M	Harbor	City of Saint Paul, ADOT&PF		\$24,892,500	ADOT&PF, USDOT	Denali, MARAD, RAISE	Long-Term							
Small Boat Harbor Dock Lighting	7-M	Harbor	City of Saint Paul, ADOT&PF		\$105,000	ADOT&PF, USDOT	Denali, MARAD, RAISE	Mid-term							
Search & Rescue Boat	8-M	Marine Vessel	City of Saint Paul, ADOT&PF		\$363,758	ADOT&PF, USDOT, Aleut Tribal Government of Saint Paul	Denali, MARAD, RAISE	Short-Term							

Post-Crash Care

Advanced AWOS System Installation and Monitoring	1-C	Care Access	City of Saint Paul,		\$750,000	Aleut Tribal Government of Saint Paul, Alaska DPS, ADOT&PF, FAA	FAA, ADOT&PF	Mid-term									
Airfield Operations Monitoring Systems	2-C	Airfield Monitoring	City of Saint Paul, ADOT&PF		\$890,000	Aleut Tribal Government of Saint Paul	FAA, ADOT&PF	Long-Term									
E911 Addressing System	3-C	Care Access	City of Saint Paul, ADOT&PF		\$550,000	Aleut Tribal Government of Saint Paul, DPS	DPS, TTP, Denali, SS4A	Long-Term									
Airfield Policy & Regulations	4-C	Care Access	City of Saint Paul, ADOT&PF, FAA		\$100,000	Aleut Tribal Government of Saint Paul, DPS	DPS, TTP, Denali, ADOT&PF	Long-Term									
Airfield Reporting System Integration	5-C	Care Access	City of Saint Paul, ADOT&PF, FAA		\$780,000	Aleut Tribal Government of Saint Paul, DPS	DPS, TTP, Denali, ADOT&PF	Long-Term									
Clinic Medevac Service Reporting System	6-C	Care Access	City of Saint Paul, Alaska DPH, Southcentral Foundation, APIA		\$250,000	Aleut Tribal Government of Saint Paul, DPS	DPS, TTP, Denali, ADOT&PF	Mid-term									
Airfield Operations Monitoring Systems Training Program	7-C	Airfield Monitoring	City of Saint Paul, ADOT&PF, FAA		\$400,000	Aleut Tribal Government of Saint Paul	FAA, ADOT&PF	Long-Term									
Education																	
ATV Safety Education	1-E	Care Access	City of Saint Paul,		\$15,000	Aleut Tribal Government of Saint Paul, DPS, ADOT&PF, Pribilof Island School District	DPS, TTP, Denali, SS4A	Long-Term									

Seatbelt and child restraint use	2-E	Airfield Monitoring	City of Saint Paul,		\$10,000	Aleut Tribal Government of Saint Paul, DPS, ADOT&PF, Pribilof Island School District	DPS, TTP, Denali, SS4A	Long-Term									
Boater Safety Education	3-E	Care Access	City of Saint Paul,		\$10,000	Aleut Tribal Government of Saint Paul, DPS, ADOT&PF, Pribilof Island School District	DPS, TTP, Denali, SS4A	Long-Term									
Driver Training School Initiative	4-E	Care Access	City of Saint Paul,		\$45,000	Aleut Tribal Government of Saint Paul, DPS, ADOT&PF, Pribilof Island School District	DPS, TTP, Denali, SS4A	Long-Term									
Policing & Enforcement																	
DUI Enforcement through targeted media outreach	1-P	Enforcement	City of Saint Paul,		\$20,000	Aleut Tribal Government of Saint Paul, DPS	DPS, TTP, Denali, SS4A	Long-Term									
Distracted driving initiatives through targeted media outreach	2-P	Airfield Monitoring	City of Saint Paul,		\$20,000	Aleut Tribal Government of Saint Paul, DPS	DPS, TTP, Denali, SS4A	Long-Term									
Policy Initiatives to address DUI incidents	3-P	Care Access	City of Saint Paul,		\$10,000	Aleut Tribal Government of Saint Paul, DPS	DPS, TTP, Denali, SS4A	Long-Term									
Speeding Enforcement Initiatives	4-P	Care Access	City of Saint Paul,		\$25,000	Aleut Tribal Government of Saint Paul, DPS	DPS, TTP, Denali, SS4A	Long-Term									