

Agency: Department of Transportation and Public Facilities**Project Title:****Project Type:** Remodel, Reconstruction and Upgrades

Juneau - Mendenhall Loop Road Improvements

State Funding Requested: \$12,000,000
One-Time Need**House District:** Juneau Areawide (3-4)**Brief Project Description:**

Widen Mendenhall Loop Road to enhance safety and improve the flow of traffic.

Funding Plan:

Total Project Cost:	\$12,000,000
Funding Already Secured:	(\$0)
FY2013 State Funding Request:	<u>(\$12,000,000)</u>
Project Deficit:	\$0

Detailed Project Description and Justification:

Widen Mendenhall Loop Road to four lanes with a center turn lane, carrying the current configuration from Egan to Nancy Street further into the Mendenhall Valley. The eventual scope of the project will carry this configuration, with appropriate pedestrian paths, to Mendenhall Boulevard, plus construct a roundabout at the intersection of Mendenhall Loop Road and Back Loop Road. This stretch of road serves several Juneau schools, as well as large residential areas, and these improvements will reduce wait times and improve safety for vehicles and pedestrians.

Project Timeline:

Design work can begin once the voters approve the bonds. If phased construction is selected, asphalt work can begin as soon as 2014. If the project waits for full funding, 2015 may be the first construction opportunity.

Entity Responsible for the Ongoing Operation and Maintenance of this Project:

ADOT&PF

Grant Recipient Contact Information:

Name:	Pat Kemp
Title:	Deputy Commissioner
Address:	PO Box 112500 Juneau, Alaska 99811
Phone Number:	465-3906
Email:	pat.kemp@alaska.gov

Has this project been through a public review process at the local level and is it a community priority? ☒ Yes ☐ No

STIP
SCOPE, SCHEDULE & ESTIMATE
CONFIRMATION
Date Entered: 8-30-11

Project Name: JNU Mendenhall Loop Road Widening and Intersection Improvements

Project Need ID: State Funded

Project Nomination Scope: Widen Mendenhall Loop Road to 5 lanes from Nancy to Mendenhall Blvd/Valley.

Project Nomination Estimate:

	Year 1	Year 2	Year 3	Year 4	TOTAL
Preliminary Engineering					
Utilities					
Right of Way					
Construction					
Total					

Confirmed Scope: Improve the capacity and safety of Mendenhall Loop Road. Mendenhall Loop Road has congestion during peak traffic hours. This overcapacity causes delay as well as attributes to accidents. This project would widening Mendenhall Loop Road from Nancy Street to Mendenhall Blvd/Valley and Roundabout at Back Loop. This would match the typical section on Mendenhall Loop Road from Egan to Nancy. The project would upgrade intersections as needed.

Confirmed Project Costs:

					TOTAL
Preliminary Engineering	550.0				550.0
Utilities	100.0	100.0			200.0
Right of Way	250.0				250.0
Construction		10,750.0			10,750.0
Total	900.0	10,850.0			11,750.0

- Estimate based on: ☐ System Averages ☐ Itemized Approximation
☒ Detailed Estimate
- Includes Field Review: ☐ Yes ☒ No
- Environmental Considerations:
 - Type of Document Anticipated: ☐ PCE ☐ CE ☐ EA
☐ EIS *state checklist*
 - ☐ RE-EVAL
 - 4(f) Involvement: ☐ Yes ☒ No

- Time to prepare Environmental Document: Environmental Checklist 12 months but design can happen concurrently.
- Permits Required: Duck Creek F&G Title 16, ACOE, APDES Stormwater construction and operation.
- Right of Way Considerations: Construction easements and minor land acquisition but that can also happen concurrently.
- Utility Considerations: Unknown at this time whether CBJ will have money for upgrades. Some relocations will be required.

Confirmed Scope, Schedule & Estimate prepared

by: Carolyn Morehouse
Carolyn Morehouse, PE

Confirmed Scope, Schedule & Estimate approved

by: Chuck Correa
Chuck Correa, PE, Preconstruction Engineer

☐ **Backup on file.**

ENGINEERS 'S ESTIMATE State of Alaska Department of Transportation & Public Facilities Southeast Region	Mendenhall Valley Traffic Study Preliminary Estimate AKSAS No.: Federal No.: Version ID: 12892 Printed: 8/30/2011 5:10:03 PM
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Basic Bid

Item Number	Description	Quantity	Unit	Unit Price	Amount
201(3B)	Clearing And Grubbing	All required	Lump Sum	30,000.00	30,000.00
202(1)	Removal Of Structures And Obstructions	All required	Lump Sum	30,000.00	30,000.00
202(2)	Removal Of Pavement	7,920	Square Yard	5.00	39,600.00
203(3)	Unclassified Excavation	36,400	Cubic Yard	20.00	728,000.00
203(5)	Borrow	72,650	Cubic Yard	35.00	2,542,750.00
301(1)	Aggregate Base Course, Grading ____	4,425	Ton	40.00	177,000.00
304(1)	Subbase, Grading ____	8,572	Ton	35.00	300,020.00
306(1)	Asphalt Treated Base	4,700	Ton	75.00	352,500.00
401(1)	Asphalt Concrete, Type ____; Class ____	4,700	Ton	95.00	446,500.00
402 (1)	STE-1 Asphalt For Tack Coat	23	Ton	1,200.00	27,600.00
403(1)	MC-30 Liquid Asphalt for Prime Coat	282	Ton	600.00	169,200.00
501(1)	Class A Concrete	All required	Lump Sum	30,000.00	30,000.00
607(4)	Reconstructed Fence	1,000	Linear Foot	25.00	25,000.00
615(7)	Remove And Relocate Existing Signs	All required	Lump Sum	15,000.00	15,000.00
618(1)	Seeding	5	Acre	3,000.00	15,000.00
618 (3)	Water For Seeding	1,000	M Gal.	25.00	25,000.00
619(2)	Matting	1,500	Square Yard	10.00	15,000.00
620(1)	Topsoil	23,630	Square Yard	5.00	118,150.00
640(1)	Mobilization And Demobilization	All required	Lump Sum	300,000.00	300,000.00
641(1)	Erosion And Pollution Control Administration	All required	Lump Sum	10,000.00	10,000.00
641(3)	Temporary Erosion And Pollution Control	All required	Lump Sum	50,000.00	50,000.00
642(1)	Construction Surveying	All required	Lump Sum	75,000.00	75,000.00

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Basic Bid

Item Number	Description	Quantity	Unit	Unit Price	Amount
642(3)	Three Person Survey Party	20	Hour	250.00	5,000.00
642(9)	Reference Existing Monument	10	Each	250.00	2,500.00
642(10)	Monument Case	10	Each	500.00	5,000.00
643(2)	Traffic Maintenance	All required	Lump Sum	500,000.00	500,000.00
643(3)	Permanent Construction Signs	All required	Lump Sum	10,000.00	10,000.00
643(14)	Interim Pavement Marking	1,000	Station	30.00	30,000.00
643(15)-A	Flagging	All required	Contingent Sum	250,000.00	250,000.00
645(1)	Training Program, ___ Trainees/Apprentices	200	Labor Hour	100.00	20,000.00
660(1)	Traffic Signal System Complete	All required	Lump Sum	1,400,000.00	1,400,000.00
660(8)	Temporary Illumination System Complete	All required	Lump Sum	75,000.00	75,000.00
660(21)	Center Median Island	All required	Lump Sum	25,000.00	25,000.00
663	Roundabout	All required	Lump Sum	1,000,000.00	1,000,000.00
670(10)	Methyl Methacrylate Pavement Markings	All required	Lump Sum	60,000.00	60,000.00
PROJECT Summary	Pay Items:	35 Items		Subtotal:	8,903,820.00
	Construction Engineering (Percentage)	15%		CENG Subtotal	1,335,573.00
	Indirect Cost Allocation Plan (ICAP)	4.79%			490,466.92
	TOTAL PARTICIPATING				10,729,859.92
	ADDED COSTS (Not part of the Contract)				
	PROJECT TOTAL				10,729,859.92