

SUBJECT: Award of bid number 24-112B to Northern Asphalt Construction Inc. for the contract amount of \$873,356.00 to Construct North Erica Drive Road Improvements.

AGENDA OF: April 16, 2024

ASSEMBLY ACTION:

Approved under the consent agenda 04/16/24 - *emw*

AGENDA ACTION REQUESTED: Present to the Assembly for consideration.

Route To:	Signature
Purchasing Officer	<div>4 / 3 / 2 0 2 4</div> <div>X Rustin Krafft</div> <div>Signed by: Rustin Krafft</div>
Public Works Director	<div>4 / 3 / 2 0 2 4</div> <div>X Tom Adams, P.E.</div> <div>Signed by: Tom Adams</div>
Finance Director	<div>4 / 4 / 2 0 2 4</div> <div>X Cheyenne Heindel</div> <div>Signed by: Cheyenne Heindel</div>
Borough Attorney	<div>4 / 4 / 2 0 2 4</div> <div>X Nicholas Spiropoulos</div> <div>Signed by: Nicholas Spiropoulos</div>
Borough Manager	<div>Recoverable Signature</div> <div>X Michael Brown</div> <div>Signed by: Michael Brown</div>
Borough Clerk	<div>Recoverable Signature</div> <div>X Lonnie McKeechie</div> <div>Signed by: Lonnie McKeechie</div>

ATTACHMENT (S) : Analysis Sheet (1p)
Scope of Work (3p)

SUMMARY STATEMENT: On March 28, 2024, the Matanuska-Susitna Borough Purchasing Division issued a solicitation requesting bids from qualified contractors to realign, upgrade and improve 2000 linear feet of North Erica Drive. Construction Services purchased will support the Public Works Department in assembly district #7.

In response to the advertisement, four bids were received. Award recommendation is being made to Northern Asphalt Construction Inc. as the lowest responsive and responsible bidder based on the total bid amount.

The substantial completion date for this project is June 30, 2025 with the final completion of September 30, 2025.

In accordance with MSB 3.08.170(B), Administration requests authority to modify the resulting contract completion date by 90 days for unforeseen circumstances.

The Public Works Department, Projects management Division will be administering the contract.

RECOMMENDATION OF ADMINISTRATION: Approve the subject action memorandum.

MATANUSKA-SUSITNA BOROUGH

FISCAL NOTE

Agenda Date: April 16, 2024

SUBJECT: Award of bid number 24-112B to Northern Asphalt Construction Inc. for the contract amount of \$873,356.00 to Construct North Erica Drive Road Improvements.

FISCAL ACTION (TO BE COMPLETED BY FINANCE)	FISCAL IMPACT YES NO
AMOUNT REQUESTED \$873,356	FUNDING SOURCE RSA Capital Projects
FROM ACCOUNT # 410.000.000 4xx.xxx	PROJECT# 30042/30049
TO ACCOUNT :	PROJECT #
VERIFIED BY: X <u>Liese l W e i l a n d</u> <small>Signed by: L i e s e l W e i l a n d</small>	CERTIFIED BY:
DATE: 4/3/2024	DATE:

EXPENDITURES/REVENUES:

(Thousands of Dollars)

OPERATING	FY2024	FY2025	FY2026	FY2027	FY2028	FY2029
Personnel Services						
Travel						
Contractual						
Supplies						
Equipment						
Land/Structures						
Grants, Claims						
Miscellaneous						
TOTAL OPERATING						

CAPITAL	873.4					
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REVENUE						
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FUNDING:

(Thousands of Dollars)

General Fund						
State/Federal Funds						
Other	873.4					
TOTAL	873.4					

POSITIONS:

Full-Time						
Part-Time						
Temporary						

ANALYSIS: (Attach a separate page if necessary)

PREPARED BY: _____ PHONE: _____

DEPARTMENT: _____ DATE: _____

4 / 4 / 2 0 2 4

X

C h e y e n n e H e i n d e l

APPROVED BY: _____ DATE: _____

Signed by: C h e y e n n e H e i n d e l

AM No. 24-046

DETAILED BID TABULATION: 24-112B

24-112B Construct North Erica Drive Road Improvements

					BIDDERS									
					Granite Construction Company		Nortern Asphalt Construction Inc		JTA Construction LLC		Western Construction & Equipment, LLC		Engineers Estimate	
24-112B Construct North Erica Drive Road Improvements														
Item Number	Item Code	Pay Item Description	Pay Unit	Estimated Quantity	UNIT PRICE	EXTENDED PRICE	UNIT PRICE	EXTENDED PRICE	UNIT PRICE	EXTENDED PRICE	UNIT PRICE	EXTENDED PRICE	UNIT PRICE	EXTENDED PRICE
1	201(3B)	Clearing and Grubbing	Lump Sum	ALL REQUIRED		\$ 50,000.00		\$ 30,000.00		\$ 40,800.00		\$ 30,000.00		\$ 15,000.00
2	202(1)	Removal of Structures and Obstructions	Lump Sum	ALL REQUIRED		\$ 10,000.00		\$ 1,000.00		\$ 7,000.00		\$ 3,000.00		\$ 1,000.00
3	202(2)	Removal of Pavement	Square Yard	50	\$ 10.00	\$ 500.00	\$ 3.00	\$ 150.00	\$ 28.00	\$ 1,400.00	\$ 20.00	\$ 1,000.00	\$ 400.00	\$ 20,000.00
4	203(3)	Unclassified Excavation	Cubic Yard	3,890	\$ 30.00	\$ 116,700.00	\$ 15.00	\$ 58,350.00	\$ 42.00	\$ 163,380.00	\$ 20.00	\$ 77,800.00	\$ 15.00	\$ 58,350.00
5	203(6B)	Borrow, Type B	Ton	3,500	\$ 5.00	\$ 17,500.00	\$ 16.00	\$ 56,000.00	\$ 30.00	\$ 105,000.00	\$ 15.00	\$ 52,500.00	\$ 25.00	\$ 87,500.00
6	203(19)	Borrow, Type IIA	Ton	3,480	\$ 30.00	\$ 104,400.00	\$ 22.00	\$ 76,560.00	\$ 41.00	\$ 142,680.00	\$ 30.00	\$ 104,400.00	\$ 30.00	\$ 104,400.00
7	301(1)	Aggregate Base Course, Grading D-1	Ton	890	\$ 100.00	\$ 89,000.00	\$ 32.00	\$ 28,480.00	\$ 45.00	\$ 40,050.00	\$ 50.00	\$ 44,500.00	\$ 30.00	\$ 26,700.00
8	401(1B)	HMA, Type II; Class B	Ton	630	\$ 250.00	\$ 157,500.00	\$ 145.00	\$ 91,350.00	\$ 139.00	\$ 87,570.00	\$ 150.00	\$ 94,500.00	\$ 135.00	\$ 85,050.00
9	603(1-12)	12 Inch CSP	Linear Foot	480	\$ 100.00	\$ 48,000.00	\$ 89.00	\$ 42,720.00	\$ 94.00	\$ 45,120.00	\$ 70.00	\$ 33,600.00	\$ 55.00	\$ 26,400.00
10	603(1-18)	18 Inch CSP	Linear Foot	48	\$ 200.00	\$ 9,600.00	\$ 97.00	\$ 4,656.00	\$ 92.00	\$ 4,416.00	\$ 90.00	\$ 4,320.00	\$ 90.00	\$ 4,320.00
11	610(1)	Ditch Lining	Cubic Yard	100	\$ 200.00	\$ 20,000.00	\$ 30.00	\$ 3,000.00	\$ 168.00	\$ 16,800.00	\$ 80.00	\$ 8,000.00	\$ 40.00	\$ 4,000.00
12	618(2)	Seeding	Pound	30	\$ 100.00	\$ 3,000.00	\$ 20.00	\$ 600.00	\$ 945.00	\$ 28,350.00	\$ 110.00	\$ 3,300.00	\$ 85.00	\$ 2,550.00
13	619(2)	Matting	Square Yard	210	\$ 20.00	\$ 4,200.00	\$ 10.00	\$ 2,100.00	\$ 38.00	\$ 7,980.00	\$ 8.00	\$ 1,680.00	\$ 6.50	\$ 1,365.00
14	620(1)	Topsoil	Square Yard	1,370	\$ 10.00	\$ 13,700.00	\$ 4.00	\$ 5,480.00	\$ 17.00	\$ 23,290.00	\$ 5.00	\$ 6,850.00	\$ 4.00	\$ 5,480.00
15	639(1)	Residence Driveway	Each	24	\$ 500.00	\$ 12,000.00	\$ 100.00	\$ 2,400.00	\$ 940.00	\$ 22,560.00	\$ 250.00	\$ 6,000.00	\$ 250.00	\$ 6,000.00
16	639(2)	Residence Driveway (Paved)	Each	1	\$ 1,000.00	\$ 1,000.00	\$ 300.00	\$ 300.00	\$ 230.00	\$ 230.00	\$ 500.00	\$ 500.00	\$ 500.00	\$ 500.00
17	640(1)	Mobilization and Demobilization	Lump Sum	ALL REQUIRED		\$ 80,000.00		\$ 7,460.00		\$ 73,000.00		\$ 60,000.00		\$ 30,000.00
18	641(1)	Erosion and Pollution Control Administration	Lump Sum	ALL REQUIRED		\$ 1,000.00		\$ 3,500.00		\$ 12,000.00		\$ 5,000.00		\$ 3,000.00
19	641(3)	Temporary Erosion and Pollution Control	Lump Sum	ALL REQUIRED		\$ 30,000.00		\$ 4,000.00		\$ 25,000.00		\$ 5,000.00		\$ 5,000.00
20	642(1)	Construction Surveying	Lump Sum	ALL REQUIRED		\$ 20,000.00		\$ 13,000.00		\$ 13,000.00		\$ 12,000.00		\$ 10,000.00
21	642(2)	Two Person Survey Party	Hour	8	\$ 300.00	\$ 2,400.00	\$ 325.00	\$ 2,600.00	\$ 250.00	\$ 2,000.00	\$ 200.00	\$ 1,600.00	\$ 250.00	\$ 2,000.00
22	643(2)	Traffic Maintenance	Lump Sum	ALL REQUIRED		\$ 25,000.00		\$ 4,000.00		\$ 35,000.00		\$ 8,000.00		\$ 10,000.00
23	643(3)	Permanent Construction Signs	Lump Sum	ALL REQUIRED		\$ 5,000.00		\$ 2,000.00		\$ 4,000.00		\$ 1,000.00		\$ 2,000.00
24	800(1)	Interim Work Authorization	Contingent Sum	ALL REQUIRED		\$ 15,000.00		\$ 15,000.00		\$ 15,000.00		\$ 15,000.00		\$ 15,000.00
Total Bid Amount					\$835,500.00		\$454,706.00		\$915,626.00		\$579,550.00		\$525,615.00	
Additive Alternate #1														
1	202(2)	Removal of Pavement	Square Yard	50	\$ 10.00	\$ 500.00	\$ 3.00	\$ 150.00	\$ 30.00	\$ 1,500.00	\$ 20.00	\$ 1,000.00	\$ 10.00	\$ 500.00
2	203(19A)	BORROW, TYPE IIA	Cubic Yard	200	\$ 100.00	\$ 20,000.00	\$ 32.00	\$ 6,400.00	\$ 80.00	\$ 16,000.00	\$ 35.00	\$ 7,000.00	\$ 30.00	\$ 6,000.00
3	203(27)	Ditch Linear Grading	Station	40	\$ 500.00	\$ 20,000.00	\$ 600.00	\$ 24,000.00	\$ 1,120.00	\$ 44,800.00	\$ 350.00	\$ 14,000.00	\$ 300.00	\$ 12,000.00
4	301(1)	Aggregate Base Course, Grading D-1	Ton	2,700	\$ 75.00	\$ 202,500.00	\$ 32.00	\$ 86,400.00	\$ 49.00	\$ 132,300.00	\$ 50.00	\$ 135,000.00	\$ 32.00	\$ 86,400.00
5	303(1)	Road Conitioning	Station	45	\$ 1,000.00	\$ 45,000.00	\$ 400.00	\$ 18,000.00	\$ 1,110.00	\$ 49,950.00	\$ 300.00	\$ 13,500.00	\$ 300.00	\$ 13,500.00
6	401(1)	HMA Typ.CSP	Ton	1,350	\$ 200.00	\$ 270,000.00	\$ 145.00	\$ 195,750.00	\$ 151.00	\$ 203,850.00	\$ 170.00	\$ 229,500.00	\$ 155.00	\$ 209,250.00
7	603(1-12)	12 Inch CSP	Linear Foot	450	\$ 100.00	\$ 45,000.00	\$ 89.00	\$ 40,050.00	\$ 106.00	\$ 47,700.00	\$ 70.00	\$ 31,500.00	\$ 55.00	\$ 24,750.00
8	639(1)	Residence Driveway	Each	24	\$ 500.00	\$ 12,000.00	\$ 100.00	\$ 2,400.00	\$ 940.00	\$ 22,560.00	\$ 250.00	\$ 6,000.00	\$ 250.00	\$ 6,000.00
9	639(3)	Public Approaches	Each	5	\$ 1,000.00	\$ 5,000.00	\$ 500.00	\$ 2,500.00	\$ 5,200.00	\$ 26,000.00	\$ 2,000.00	\$ 10,000.00	\$ 1,500.00	\$ 7,500.00
10	640(1)	Mobilization and Demobilization	Lump Sum	ALL REQUIRED		\$ 50,000.00		\$ 10,000.00		\$ 16,000.00		\$ 50,000.00		\$ 15,000.00
11	641(1)	Temporary Erosion and Pollution Control	Lump Sum	ALL REQUIRED		\$ 20,000.00		\$ 4,000.00		\$ 6,000.00		\$ 5,000.00		\$ 7,500.00
12	642(1)	Construction Surveying	Lump Sum	ALL REQUIRED		\$ 10,000.00		\$ 13,000.00		\$ 3,000.00		\$ 8,000.00		\$ 5,000.00
13	643(2)	Traffic Maintenance	Lump Sum	ALL REQUIRED		\$ 25,000.00		\$ 4,000.00		\$ 21,000.00		\$ 10,000.00		\$ 2,000.00
14	643(3)	Permanent Construction Signs	Lump Sum	ALL REQUIRED		\$ 3,000.00		\$ 2,000.00		\$ 5,000.00		\$ 1,000.00		\$ 10,000.00
15	800	Interim Work Authorization	Contingent Sum	ALL REQUIRED		\$ 10,000.00		\$ 10,000.00		\$ 10,000.00		\$ 10,000.00		Enter Amount
Total Bid Amount					\$738,000.00		\$418,650.00		\$605,660.00		\$531,500.00		\$405,400.00	

BID 24-112B
Construct North Erica Drive Road Improvements
SCOPE OF WORK

General

This project's purpose is to realign, upgrade and improve 2000 linear feet of N. Erica Drive. In Addition, the project includes drainage improvements and paving of 3,950 linear feet of E. Woodpecker Avenue. This project will involve, but is not limited to, clearing, grubbing, excavation, import and placement of borrow material, installing drainage culverts, paving, and placing topsoil and seed.

All construction shall be completed in accordance with the Alaska Department of Transportation and Public Facilities (DOT&PF) Standard Specifications for Highway Construction (SSHC) 2017 Edition. Project specific special provisions are provided in the following sections. The requirements contained in these specifications and special provisions are hereby made a part of this solicitation and resultant contract.

- This project is in Willow in the Nancy Lake State Recreation Area. The project may be accessed by heading north along S. Parks Hwy. and turning south at Buckingham Palace Rd. then east on Kime Ln. See project location and vicinity maps.
- Contractor is to provide resources to complete this project without any adjustments in the original bid amount or contract time.
- Contractor shall coordinate the road improvements with all utility relocation work. Request locates from the utilities having facilities in the area. Use the Alaska Digline, Inc. Locate Call Center. See Section 105-1.06 for digline number and a list of utility companies in the area.
- Work Zone speed limit: Limit speed of vehicles associated with construction to 20 miles per hour within project limits.
- Contractor shall complete ROW and utility easement staking and clearing and all necessary SWPPP items for utility relocation support upon NTP. This work shall be included in items 201(3B), 641(1), 641(3), and 642(1). Item 642(1) Construction Survey includes establishing centerline of the road, ditching layout and paving layout. During paving layout includes stringline painted marking on both edges of pavement and the centerline of the roadway. Additional stump removal for utility support will be directed if needed and is not included in these items. The anticipated additional utility support areas are as follows: None anticipated, the relocation plans are attached for reference only.
- The Contractor shall provide a proposed construction schedule. The Contractor shall periodically or, as requested, update the schedule. If work is completed over two seasons, the road must be in an acceptable condition for the Matanuska-Susitna Borough (MSB) Operations and Maintenance to maintain the road during the seasonal winter shutdown. One month before work is suspended for winter shutdown, the Contractor shall schedule an initial meeting with the MSB Project Manager and Operations & Maintenance representatives to outline the anticipated roadway condition and expected work to be completed before shutdown. The Contractor shall schedule a field review with the MSB for winter maintenance acceptance. The MSB Project Manager or approved representative will prepare a punch list for implementation before acceptance.
- Time is of the essence. Work shall be completed in one continuous timeframe after utility relocations are completed. Substantial completion shall be achieved by 6/30/2025. Final completion shall be achieved by 9/15/2025.
- Estimated project magnitude of the Base bid is less than \$525,000.

Work Description for Add Alternative #1

- Add Alternative #1 (Woodpecker Ave.): Remove 4" of existing surface course. Use the material for tapering gravel driveways, and as directed. Waste any excess off site. D-1 import is 3" thick. Pavement section is 2" HMA, 20' wide. Gravel shoulders are 2-3' wide of D-1. Estimated to be less than \$410,000.
- Ditch linear grading is to establish ditches, adjacent to the road and within the ROW. Remove vegetation, sediment, and other deleterious materials from ditches and/or fore slopes. Deepen and widen ditches as necessary to expose culvert ends and achieve positive drainage. Provide ditches 2 feet in depth off the shoulder of the road. Fore slopes shall be no steeper than 3:1 and back slopes shall be no steeper than 2:1. Stabilize disturbed back slopes higher than 2 feet above the ditch line with vegetative cover per sections 618 Seeding and 620 Topsoil. Clean out culverts and reshape deformed culvert ends prior to placement of base or surface course.
- Item 642(1) Construction Survey includes establishing centerline of the road, ditching layout and paving layout. During paving layout include stringline painted markings on both edges of pavement and the centerline of the roadway.
- Supply labor, equipment, materials, and supplies to perform the required work as described herein and shown on the attached maps.
- Failure to comply with any work as described in this scope of work may be considered a material breach of the contract and is subject to termination as a result of non-compliance.
- Contractor is required to call for utility locates prior to digging.
- Work Zone speed limit: Limit speed of vehicles associated with construction to 20 miles per hour within project limits.
- Use advance warning signs at each point of entry while construction is active.
- Provide traffic control and protect the HMA until temperatures are acceptable for vehicular traffic. A certified Traffic Control Supervisor is responsible for the set up and maintenance of the traffic control systems and devices utilized to ensure the safety of the workers and public. Traffic control shall comply with the Manual of Uniform Traffic Control Devices (MUTCD) and all other applicable federal, state and local standards, laws, and regulations. Submit Traffic Control Plans for each road for approval.
- Employee parking and equipment staging may be within the public right of way. Do not block private property access. A minimum of a 10-foot-wide access must be maintained at all times. If private property is used by the Contractor to stage equipment, the Contractor must have a hold harmless agreement signed by the Contractor and property owner releasing MSB from liability for damage to that property.
- Normal work time is between 7 am and 7 pm. Extensions will be considered and approved by the Engineer.
- Time is of the essence. All work shall be complete by September 30, 2024. Submit a construction schedule for the entirety of contract work at the pre-construction meeting. Submit weekly updates to the schedule to the Engineer.
- Finished pavement surface shall have a 2% crown and not exceed 4% cross slope.
- See attached maps for work locations.
- Contractors will be liable for any overruns above the bid quantities unless added work is directed in writing by the Engineer. The D-1 and HMA quantities have a 10% contingency included.
- Culvert markers will be installed by MSB, and are not included in this Contract.
- Bid schedules are pending available funds and assembly approval.
- Required submittals include, but are not limited to:

1. Hot Mix Asphalt job mix design for each source
2. Sieve analysis for each source of Borrow Type IIA and D-1
3. Culvert certification
4. Traffic Control Plans for each road group signed by certified Traffic Control Supervisor
5. Construction Schedule
6. Q/C for paving a minimum of one compaction test per road and every 500 tons