



# Alaska Department of Transportation & Public Facilities

## Manley Hot Springs Slough Bridge #0272 Replacement

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March 17, 2026

Our mission is to *Keep Alaska Moving* through service and infrastructure.

# Project Corridor





# Manley Hot Springs Slough Bridge #0272 Replacement

**Scope:** Replace the existing Manley Hot Springs Slough Bridge.

**Purpose:** Improve safety, bridge reliability and the bridge's ability to accommodate heavy and large vehicles/equipment.

**Need:** The project is needed because the existing single lane bridge is considered functionally obsolete and at the end of its useful life.

# Background Information

## How was this project created?

The Manley Village Council sponsored and secured Federal Tribal Transportation Bridge Program Funds to replace the existing Manley Hot Springs Slough Bridge.



# Existing Conditions

- Restricted & substandard vertical clearance & width
- Bridge is beyond its lifespan
- Damaged bridge rail and guardrail. Neither meet current crash standards.
- Overhead utilities do not meet minimum vertical clearance requirements and need repair



Picture looking west/downstream

# Cultural & Historic

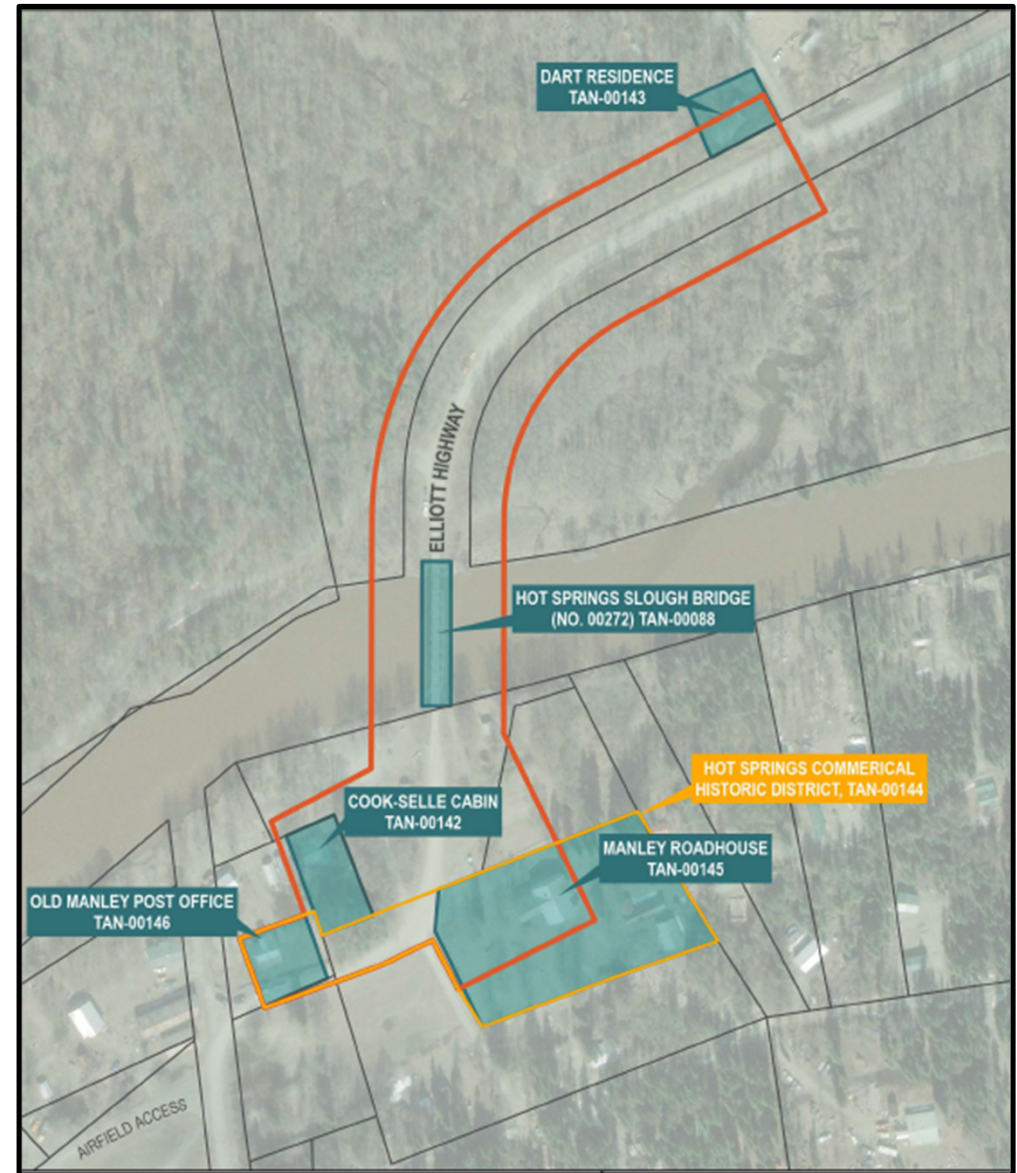
- The Manley Hot Springs Slough Bridge #272 is eligible to the National Register of Historic Places (NRHP) and is a historic property.
- The bridge is a camelback through truss bridge design with a period of significance of 1960-1965.



Picture looking northwest.

# Cultural & Historic

- In 2025 a cultural resource field investigation identified four additional historic properties.
  - Dart Residence
  - Manley Roadhouse
  - Old Manley Post Office
  - Hot Springs Commercial Historic District 1925-1935



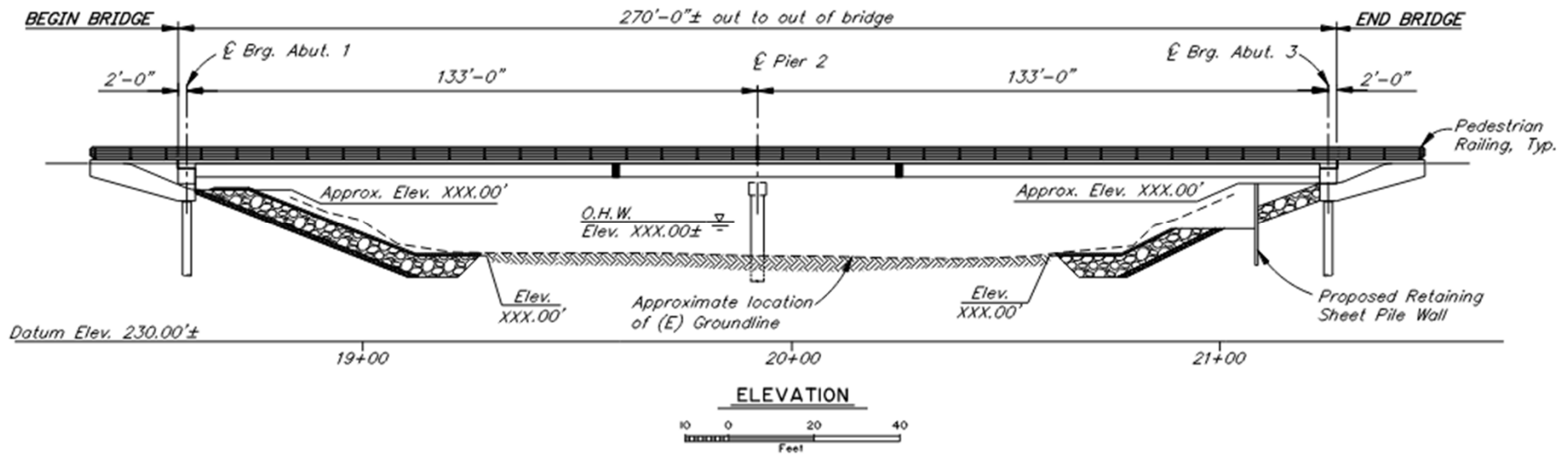
# Cultural & Historic

- Additional cultural resource survey in 2026 will include subsurface archaeological testing.
- Project removal of the Manley Hot Springs Slough Bridge is an adverse effect to a historic property
- Project will develop a plan to mitigate adverse effects



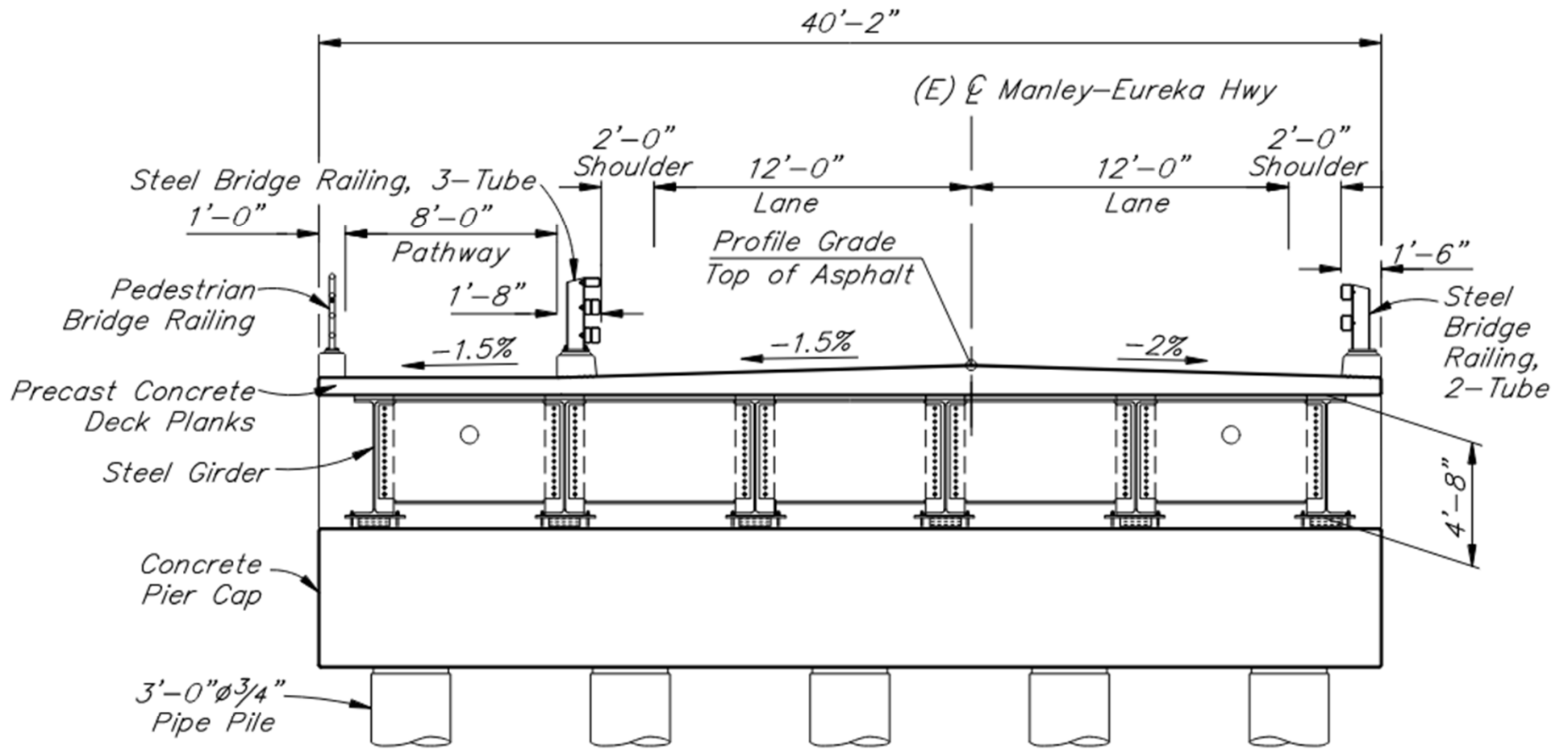
South portal of Hot Springs Slough Bridge, view north

# Proposed Bridge



- Two-Span Steel Girder
- Precast Deck Panels
- Constructability advantages
- Buoyancy

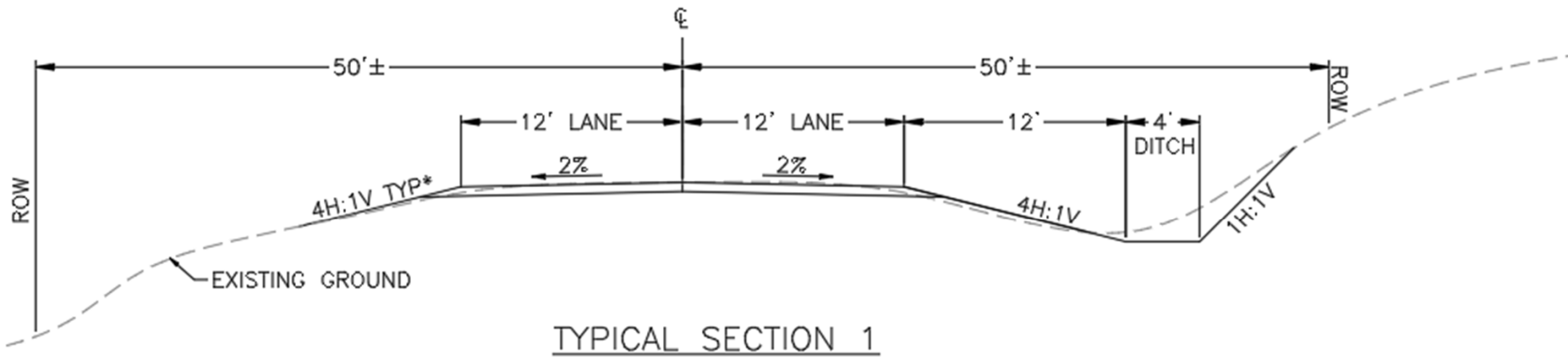
# Proposed Bridge Typical Section



**TYPICAL SECTION**



# Typical Road Section



# Project Challenges

- Summer 2026 intermittent short term bridge closures required to conduct geotechnical bridge foundation investigation
- Temporary detour bridge required to facilitate demolition & construction of new bridge



# Temporary Bridges During Construction



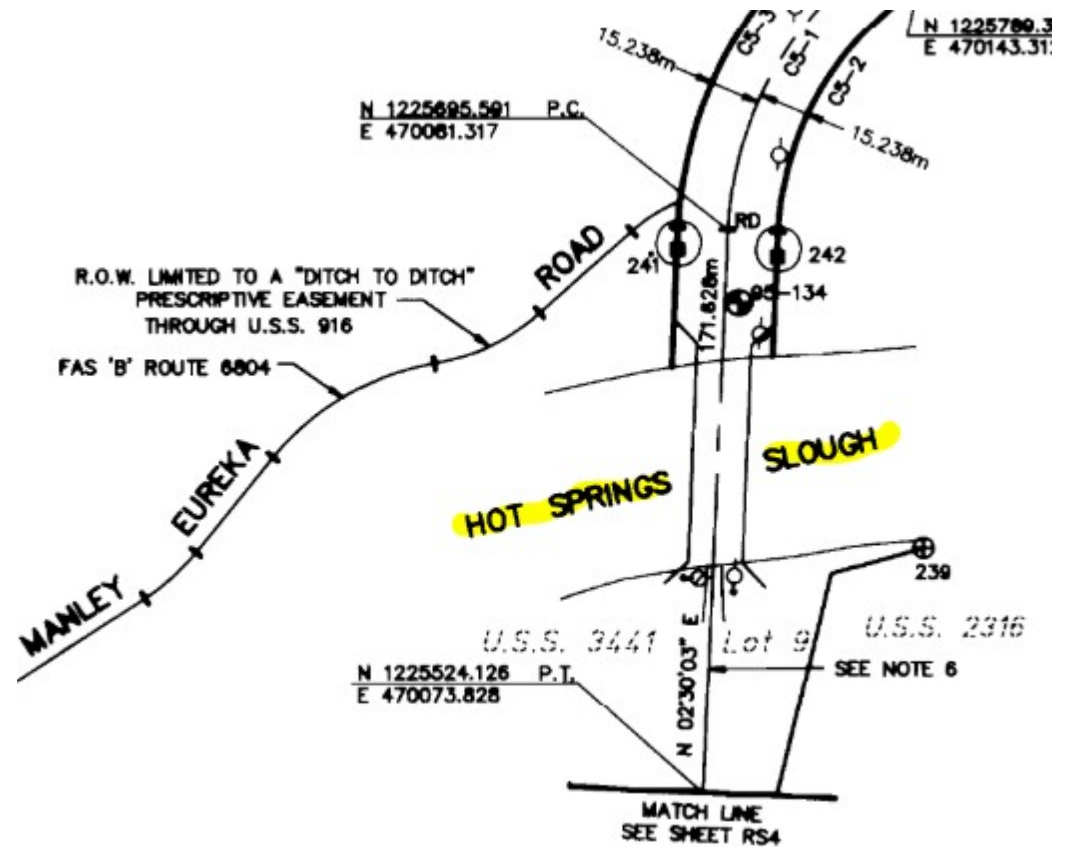
# Utility Relocations

- Existing Overhead Utilities do not meet minimum vertical clearance standards and need repairs:
  - TDX Power
  - GCI
- Existing utilities conflict with the project and need to be relocated



# Right-of-Way

- Existing Right-of-Way
- Right-of-Way needs:
  - ROW Acquisitions
  - TCEs
- Right-of-Way acquisition process



# Current Schedule & Estimates

Milestone	2023				2024				2025				2026				2027				2028				2029			
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Environmental Document					●	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—								
Design Study Report (70%)									●	—	—	—	—	—	—	—												
Preliminary PS&E (95%)													●	—	—	—	—	—	—	—								
Final PS&E (100%)																	●	—	—	—								
Right-of-Way Acquisitions													●	—	—	—	—	—	—	—								
Utility Relocations																	●	—	—	—								
Advertise & Award Project																					●	—	—	—				
Construct Project																									●	—	—	—

## Current Project Estimates:

- Design \$2,792,000
- Right of Way \$350,000
- Utilities \$750,000
- Construction \$16,500,000



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# Questions?