

Structure Inventory and Appraisal Sheet (English Units)

| | | | |
|------------------|-----------------|----------|-----------|
| Bridge Key: 0574 | Agency ID: 0574 | SR: 78.6 | SD/FO: SD |
|------------------|-----------------|----------|-----------|

| IDENTIFICATION | | | |
|------------------------|-----------------------|------------------------|------------------|
| State 1: | 02 Alaska | Struc Number 8: | 0574 |
| Facility Carried 7: | RICHARDSON HIGHWAY | Location 9: | MILE POINT 129.8 |
| Rte.(On/Under)5A: | Route On Structure | Rte Signing Prefix 5B: | 3 State Hwy |
| Level of Service 5C: | 1 Mainline | Rte. Number 5D: | 00071 |
| Directional Suffix 5E: | 0 N/A (NBI) | % Responsibility: | |
| SHD District 2: | 05 North., S. Central | County Code 3: | Valdez-Cordova |
| Place Code 4: | Gulkana | Mile Post 11: | 129.785 mi |
| Feature Intersected 6: | GULKANA RIVER | | |
| Latitude 16: | 62d 16' 11.0 " | Longitude 17: | 145d 23' 5.0 " |
| Border Bridge Code 98: | Unknown (P) | | |
| Border Bridge No. 99: | NA | | |

| INSPECTION | | | |
|---------------------|------------|---------------------|------------|
| Frequency 91: | 24 months | Inspection Date 90: | 07/14/2017 |
| FC Freq. 92A: | NA | FC Insp. Date 93A: | NA |
| UW Freq. 92B: | 60 months | UW Insp. Date 93B: | 07/21/2015 |
| SI Freq. 92C: | NA | SI Date 93C: | NA |
| Next Inspection: | 07/14/2019 | Next FC Inspection: | NA |
| Next UW Inspection: | 07/21/2020 | Next SI: | NA |

| CLASSIFICATION | | | |
|------------------------|------------------------|--------------------------|-------------------------|
| Defense Highway 100: | 1 STRAHNET hwy | Parallel Structure 101: | No bridge exists |
| Traffic Direction 102: | 2 2-way traffic | Temporary Structure 103: | Unknown (NBI) |
| Highway System 104: | 1 On the NHS | NBIS Length 112: | Long Enough |
| Toll Facility 20: | 3 On free road | Functional Class 26: | 01 Rural Interstate |
| Natl. Network 110: | 0 Not on truck network | Historical Sig. 37: | 5 Not eligible for NRHP |
| Owner 22: | State Highway Agency | | |
| Custodian 21: | State Highway Agency | | |

| STRUCTURE TYPE AND MATERIALS | |
|-------------------------------|--------------------------|
| Number of Approach Spans 46: | 0 |
| Number of Spans Main Unit 45: | 3 |
| Main Span 43A/B: | |
| 4 Steel, continuous | 2 Stringer/Girder |
| Appr Span 44A/B: | |
| 0 Other | 0 |
| Deck Type 107: | 1 Concrete Cast-in-Place |
| Wearing Surface 108A: | 1 Monolithic Concrete |
| Membrane 108B: | 0 None |
| Deck Protection 108C: | 0 None |

| CONDITION | | | |
|----------------------------|------------------------|-------------|----------------|
| Deck 58: | 4 Poor | Super 59: | 6 Satisfactory |
| Channel/Ch. Protection 61: | 7 Minor repairs needed | Sub 60: | 7 Good |
| | | Culvert 62: | N N/A (NBI) |

| LOAD RATING AND POSTING | | | |
|-------------------------|------------------------|----------------------|------------------------|
| Inventory Method 65: | 1 LF Load Factor | Operating Method 63: | 1 LF Load Factor |
| Inventory Rating 66: | HS 22 | Operating Rating 64: | HS 48 |
| Design Load 31: | 5 MS 18 (HS 20) | Posting 70: | 5 At/Above legal loads |
| Posting Status 41: | A Open, no restriction | | |

| AGE AND SERVICE | | | |
|----------------------------|------------|-------------------------|---------|
| Year Built 27: | 1974 | Year Reconstructed 106: | Unknown |
| Type of Service on 42A: | 1 Highway | | |
| Type of Service under 42B: | 5 Waterway | | |
| Lanes on 28A: | 2 | Lanes under 28B: | 0 |
| ADT 29: | 974 | Truck ADT 109: | 27% |
| | | Year of ADT 30: | 2016 |
| Detour Length 19: | 124 mi | | |

| APPRAISAL | | | |
|---|------------------------|-------------------------|------------------------|
| Bridge Rail 36A: | 0 Substandard | Approach Rail 36C: | 1 Meets Standards |
| Transition 36B: | 0 Substandard | Approach Rail Ends 36D: | 0 Substandard |
| Str Evaluation 67: | 6 Equal Min Criteria | Deck Geometry 68: | 6 Equal Min Criteria |
| Underclearance, Vertical and Horizontal 69: | N Not applicable (NBI) | | |
| Waterway Adequacy 71: | 8 Equal Desirable | Approach Alignment 72: | 8 Equal Desirable Crit |
| Scour Critical 113: | 7 | | |

| GEOMETRIC DATA | | | |
|--|-------------------------|----------------------------|-------------|
| Length Max Span 48: | 160 ft | Structure Length 49: | 405 ft |
| Curb/Sdwk Width L 50A: | 0.0 ft | Curb/Sidewalk Width R 50B: | 0.0 ft |
| Width Curb to Curb 51: | 34.1 ft | Width Out to Out 52: | 35.0 ft |
| Approach Roadway Width 32: (w/ shoulders) | 31 ft | Median 33: | 0 No median |
| Deck Area: | 14,175.0 sq ft | | |
| Skew 34: | 30 | Structure Flared 35: | 0 No flare |
| Vertical Clearance 10: | 99.99 ft | Horizontal Clearance 47: | 33.79 ft |
| Minimum Vertical Clearance Over Bridge 53: | 100.0 ft | | |
| Minimum Vertical Underclearance 54A: | N Feature not hwy or RR | | |
| Minimum Vertical Underclearance 54B: | 0.0 ft | | |
| Minimum Lateral Underclearance 55A: | N Feature not hwy or RR | | |
| Minimum Lateral Underclearance R 55A: | 99.9 ft | | |
| Minimum Lateral Underclearance L 56: | 0.0 ft | | |

| PROPOSED IMPROVEMENTS | | | |
|---------------------------|---------|---------------------------|-------------|
| Bridge Cost 94: | \$0 | Type of Work 75: | Unknown (P) |
| Roadway Cost 95: | \$0 | Length of Improvement 76: | 0.0 ft |
| Total Cost 96: | \$0 | Future ADT 114: | 1,200 |
| Year of Cost Estimate 97: | Unknown | Year of Future ADT 115: | 2035 |

| NAVIGATION DATA | | | |
|------------------------|-----------------------|-------------------------------------|--------|
| Navigation Control 38: | 0 Permit Not Required | | |
| Vertical Clearance 39: | 0.0 ft | Horizontal Clearance 40: | 0.0 ft |
| Pier Protection 111: | 1 Not required | Lift Bridge Vertical Clearance 116: | 0.0 ft |