

Twice Damaged Assets Report

December 1, 2021



Introduction

Under 23 CFR 667, The Federal Highway Administration (FHWA) requires that state transportation departments conduct evaluations to determine if there are reasonable alternatives at road, highway, and bridge locations that have required repair and reconstruction activities on two or more occasions due to emergency events.

Initial identification of twice-damaged assets (TDAs) was performed in compliance with 23 CFR 667 and DOT&PF Policy and Procedure No. 07.05.100 (P&P).

Twice Damaged Asset (TDA) Locations

Appendix A of this report provides a list of locations where Emergency Repair (ER) funding was spent on both NHS and non-NHS routes for the period of January 1, 1997 to December 31, 2019. TDA locations were identified from this ER expenditure summary and are presented in Table 1 of this report.

There are 13 TDA locations in this baseline report, of which:

- Four are in Central Region
- Seven are in Northern Region
- Two are in Southcoast Region

These locations will be included in the Department's GIS system on a TDA layer.

Alternatives Evaluation

The P&P requires each region to complete an Alternatives Evaluation (AE), documented in an Alternatives Evaluation Report (AER), for each TDA location in their respective Region.

DOT&PF Program Development will assure that an AER is complete before putting a project in the STIP that contains a TDA location.

Updates

ER expenditures will be updated annually and analyzed for new TDA locations. A new TDA list will be published annually on January 31.

The Regions are responsible for reviewing and updating AEs, as necessary, and completing AEs and AERs for new TDA locations on a quadrennial basis.

Facility	Emergency Events	TDA Locations [Specific Emergency Events]
Glenn Highway (Central Region)	2006 Flooding 2012 Flooding 2018 Earthquake	MP 70.524 - 70.675 [2006 & 2012 Flooding]
Richardson Hwy. (Northern Region)	2000 Avalanches 2006 Flooding 2012 Storm/Flood 2018 Earthquake	MP 14.789 – 14.829 [2006 & 2012 Flooding] MP 16.608 - 16.628 [2006 & 2012 Flooding] MP 18.696 - 18.782 [2006 & 2012 Flooding] MP 31.328 - 31.368 [2006 & 2012 Flooding] MP 33.412 - 33.452 [2006 & 2012 Flooding]
Parks Highway (Central Region)	2006 Flooding 2012 Storm/Flood 2018 Earthquake	30.97 to 31.06 [2006 & 2012 Flooding]
Lutak Road (Southcoast Region)	1998 Storm 2005 Storm	MP 0.276 to 0.324 [1998 & 2005 Storms] MP 3.83 to 3.84 [1998 & 2005 Storms]
Nash Road (Seward) (Central Region)	2002 Flooding 2012 Flooding 2018 Flooding	MP 2.013 to 2.033 [2002, 12 & 18 Flooding] MP 2.193 to 2.471 [2012 & 18 Flooding]
Council Rd. (Nome) (Northern Region)	2004 Storm 2011 Storm 2013 Storm	MP 20.951 to 21.330 [2004, 11 & 13 Storms]
Front Street (Nome) (Northern Region)	2004 Storm 2011 Storm	MP 0.00 to 1.116 [2004 & 2011 Storms]

Table 1
TDA Location Summary

APPENDIX A

Emergency Repair Expenditure Summary

Route ID *	Route Name	From MP	To MP	Fed. Proj. No.	Project Name	Project Scope	Fed Expend.	Total Expend.	Length (Miles)
1000000X000	Sterling Highway	76.107	115.724	0092(007)	KENAI AREA REPAIRS - NOV 2018 EARTHQUAKE PERMANENT REPAIRS	<Null>	224498.29	243266.4	39.617
1000000X000	Sterling Highway	95.503719	95.534733	0075(006)	KENAI PEN FLOOD OCT 02, PERMANENT REPAIRS, PH I	See file for locations	1591178.37	1790124.38	0.031014
1000000X000	Sterling Highway	95.503719	95.53355	0075(002)	KENAI PEN FLOOD OCT 02, PERMANENT REPAIRS, PH II AK03-1	Sterling Hwy MP 135, 138, 140.9, 150, 157, 160.5, 168 , Bridge Numbers: 0669, 4021, 4020; INVENTORY ROUTE NUMBER: 110000 MILEPOINT: 27.170-27.910, 39.48, 21.4, 18.5, 10.78-10.81, 42.51-42.52, 37.43	442667.33	485608.05	0.029831
1000000X000	Sterling Highway	98.370383	98.390383	0075(004)	KENAI PEN FLOOD OCT 02 - KENAI TO DEEP CREEK	See file for locations	5171792.92	5177280.8	0.02
1000000X000	Sterling Highway	98.370384	98.390383	0075(002)	KENAI PEN FLOOD OCT 02, PERMANENT REPAIRS, PH II AK03-1	Sterling Hwy MP 135, 138, 140.9, 150, 157, 160.5, 168 , Bridge Numbers: 0669, 4021, 4020; INVENTORY ROUTE NUMBER: 110000 MILEPOINT: 27.170-27.910, 39.48, 21.4, 18.5, 10.78-10.81, 42.51-42.52, 37.43	442667.33	485608.05	0.02
1000000X000	Sterling Highway	101.277595	101.297595	0075(006)	KENAI PEN FLOOD OCT 02, PERMANENT REPAIRS, PH I	See file for locations	1591178.37	17090124.38	0.02
1000000X000	Sterling Highway	101.310774	101.330774	0075(004)	KENAI PEN FLOOD OCT 02 - KENAI TO DEEP CREEK	See file for locations	5171792.92	5177280.8	0.02
1000000X000	Sterling Highway	109.932563	109.952562	0075(005)	KENAI PEN FLOOD OCT 02 - ANCHOR POINT	See file for locations	2607620	2607620	0.02
1000000X000	Sterling Highway	110.80867	110.838382	0075(001)	STERLING HWY: STARISKI CR BRIDGE #0667	Stariski Creek Bridge, Sterling Highway (Bridge #667); INVENTORY ROUTE NUMBER: 110000 MILEPOINT: 27.170	3843295.61	3843295.61	0.029712
1000000X000	Sterling Highway	110.808679	110.838924	0075(006)	KENAI PEN FLOOD OCT 02, PERMANENT REPAIRS, PH I	See file for locations	1591178.37	1790124.38	0.030244
1020000X000	Seward Highway	3.005	6.996	0085(011)	SEWARD FLOOD 2012 EMER REPAIRS FHWA AK12-2	<Null>	134315.64	134315.64	3.991
1020000X000	Seward Highway	3.068291	3.111939	0075(007)	KENAI PEN FLOOD OCT 02 - SEWARD AREA	See file for locations	331024.57	331024.57	0.043648
1020000X000	Seward Highway	3.542792	3.554006	0081(009)	OCTOBER 2006 CR FLOOD EVENT REPAIRS, FHWA	See file for various locations in CR	1052045.86	1104973.28	0.011214
1020000X000	Seward Highway	4.0626	5.020731	0081(009)	OCTOBER 2006 CR FLOOD EVENT REPAIRS, FHWA	See file for various locations in CR	1052045.86	1104973.28	0.958131
1020000X000	Seward Highway	18.599532	18.619532	0072(001)	WINTER '00 AVALANCHE REPAIRS	See file for various locations along Richardson, Copper River, Glenn, Old Glenn, Sterling, and Seward Highways	756451.86	775643.7	0.02
1020000X000	Seward Highway	20.69647	20.71647	0072(001)	WINTER '00 AVALANCHE REPAIRS	See file for various locations along Richardson, Copper River, Glenn, Old Glenn, Sterling, and Seward Highways	756451.86	775643.7	0.02
1020000X000	Seward Highway	21.64102	21.66102	0072(001)	WINTER '00 AVALANCHE REPAIRS	See file for various locations along Richardson, Copper River, Glenn, Old Glenn, Sterling, and Seward Highways	756451.86	775643.7	0.02
1020000X000	Seward Highway	22.777495	22.797495	0081(009)	OCTOBER 2006 CR FLOOD EVENT REPAIRS, FHWA	See file for various locations in CR	1052045.86	1104973.28	0.02
1060000I000	Glenn Highway	46.063	48.007	0091(012)	GLENN HWY MP 40-68 - NOV 2018 EQ PR	<Null>	<Null>	<Null>	1.944
1060000I000	Glenn Highway	46.908	46.948	0085(013)	PALMER FLOOD 2012 EMER REPAIRS FHWA AK12-2	<Null>	161084.97	178721.63	0.04
1060000I000	Glenn Highway	59.771	61	0091(012)	GLENN HWY MP 40-68 - NOV 2018 EQ PR	<Null>	<Null>	<Null>	1.229
1060000I000	Glenn Highway	60.758163	60.781837	0085(010)	GLENN HWY FLOOD 2012: EMER REPAIRS MP 67.9, MP 78, MP 85	MP 67.9 approximately 125 ft long. MP 78 is approximately 800 ft long. MP 85 is approximately 300 ft long. INVENTORY ROUTE NUMBER: 135000 MILEPOINT: 60.77, 70.6, 77.85	2159178.95	2225228.48	0.023674
1060000I000	Glenn Highway	70.482379	70.682379	0081(008)	GLENN HWY: MP 78 REPAIR, 2006 MAT-SU FLOOD	FAI 0A1-5 Glenn Highway, Milepoint 70.6 to Milepoint 70.8; Site GH 2. INVENTORY ROUTE NUMBER: 1350000 MILEPOINT: 70.6 to 70.8 (rural interstate)	218049.75	233392.93	0.2
1060000I000	Glenn Highway	70.524242	70.675758	0085(010)	GLENN HWY FLOOD 2012: EMER REPAIRS MP 67.9, MP 78, MP 85	MP 67.9 approximately 125 ft long. MP 78 is approximately 800 ft long. MP 85 is approximately 300 ft long. INVENTORY ROUTE NUMBER: 135000 MILEPOINT: 60.77, 70.6, 77.85	2159178.95	2225228.48	0.151515
1060000I000	Glenn Highway	70.6	72.9	0085(008)	CASCADE FLOOD 2012 EMER REPAIRS FHWA AK12-2	Glenn Hwy, CDS #135000, Milepoint 70.6 - milepoint 72.9; 1060000I000 BMP: 70.6 EMP: 72.9	100534.8	100534.8	2.3
1060000I000	Glenn Highway	70.6	72.9	0085(008)	CASCADE FLOOD 2012 EMER REPAIRS FHWA AK12-2	<Null>	<Null>	<Null>	2.3
1100000I000	Richardson Highway	13.579045	83.84239	0081(003)	NOR REG ER: RICHARDSON HWY FLOODING PERM REP (OCT '06)	See file for exact locations	10271886.44	11292509.76	70.263345
1100000I000	Richardson Highway	13.579045	231.317334	0081(001)	NOR REG FLOODING EMERGENCY REPAIRS - OCTOBER 2006	Various locations along: Richardson Hwy between MP 10-228.4(MIPT 13.606-231.118); Edgerton Hwy between MP 19.5-28.4 (MIPT 19.326-28.423); McCarthy Rd between MP 0.5-57.6 (34.542-91.98); Copper River Hwy between MP 14-36 (MIPT 13.996-36.245)	9038975.11	9057835.62	217.73829
1100000I000	Richardson Highway	14.789	14.829	0085(001)	NOR REG ER: STORMS SEPT 2012 (PARKS HWY MP 240 REPAIRS 2013)	<Null>	1735351.58	1846743.2	0.04
1100000I000	Richardson Highway	16.608198	16.628198	0081(010)	NOR REG ER: RICHARDSON HWY FLOOD PERM REP-12.8 MILE DIKE	Richardson Highway MP 12.8 (Approximate length 0.123 miles) INVENTORY ROUTE NUMBER: 190000 MILEPOINT: MP12.8	1097069.78	1205968.13	0.02
1100000I000	Richardson Highway	18.695864	18.782216	0085(001)	NOR REG ER: STORMS SEPT 2012 (PARKS HWY MP 240 REPAIRS 2013)	<Null>	1735351.58	1846743.2	0.086352
1100000I000	Richardson Highway	31.328	31.368	0085(001)	NOR REG ER: STORMS SEPT 2012 (PARKS HWY MP 240 REPAIRS 2013)	<Null>	1735351.58	1846743.2	0.04
1100000I000	Richardson Highway	33.412	33.452	0085(001)	NOR REG ER: STORMS SEPT 2012 (PARKS HWY MP 240 REPAIRS 2013)	<Null>	1735351.58	1846743.2	0.04
1100000I000	Richardson Highway	36.24923	36.28923	0072(001)	WINTER '00 AVALANCHE REPAIRS	See file for various locations along Richardson, Copper River, Glenn, Old Glenn, Sterling, and Seward Highways	756451.86	775643.7	0.04
1100000I000	Richardson Highway	36.56823	36.57023	0072(001)	WINTER '00 AVALANCHE REPAIRS	See file for various locations along Richardson, Copper River, Glenn, Old Glenn, Sterling, and Seward Highways	756451.86	775643.7	0.002

11000001000	Richardson Highway	38.414	40.51	0081(004)	NOR REG FLOODING PERMANENT PIPE REPAIRS (OCT '06)	Embankment repairs and drainage structure work at Richardson Highway MP 34.5 and MP 35.5. Emergency Disaster#AK-2007-1.	<Null>	<Null>	2.096
11000001000	Richardson Highway	42.011586	42.031586	0072(001)	WINTER '00 AVALANCHE REPAIRS	See file for various locations along Richardson, Copper River, Glenn, Old Glenn, Sterling, and Seward Highways	756451.86	775643.7	0.02
11000001000	Richardson Highway	45.221862	45.241862	0072(001)	WINTER '00 AVALANCHE REPAIRS	See file for various locations along Richardson, Copper River, Glenn, Old Glenn, Sterling, and Seward Highways	756451.86	775643.7	0.02
11000001000	Richardson Highway	199.724273	223.498273	0074(001)	DENALI EARTHQUAKE ER TEMPORARY REPAIRS	CDS#: 230000 (Tok Cutoff) MIPT: 42.072-95.736; 190000 (Richardson Hwy) MIPT: 199.726-223.5; 180800 (Northway Rd) MIPT: 0.242-7.0; 237000 (Nabesna Rd) MIPT: 0.0-3.957; 170000 (Parks Hwy) MIPT: 202.456 & 222.414; 180000 (Alaska Hwy) MIPT: 78.974	6061165.49	6061165.49	23.774
11000001000	Richardson Highway	199.896258	222.983256	0074(004)	RICHARDSON HWY EARTHQUAKE PERMANENT REPAIRS	071-4 Richardson Highway between MP 197 and MP 220.	1606000.24	1765430.55	23.086998
11000001000	Richardson Highway	209.867053	209.887053	0080(001)	NOR REG FLOODING EMERGENCY REPAIRS - AUGUST 2006	Richardson Hwy (CDS# 19000) MP 94 (MIPT 98), 145 (MIPT 146.709), 161 (MIPT 163.283), 206.8 (MIPT 209), 223 (MIPT 225.753), 224.5 (MIPT 226.748), 228.4 (MIPT 230.742); Copper River Hwy (CDS #210000) MP 15 (MIPT: 15.037)	710132.87	710132.87	0.02
1120000X000	Denali Highway	0.219	130.588	0090(010)	NOR REG ER: ICE JAM FLOODING - MAY 2013 - FHWA	Includes various communities as well	2554501.09	2796761	130.369
1120000X000	Denali Highway	104.325756	104.340682	0085(001)	NOR REG ER: STORMS SEPT 2012 (PARKS HWY MP 240 REPAIRS 2013)	<Null>	1735351.58	1846743.2	0.014927
1120000X000	Denali Highway	112.114	112.205	0085(001)	NOR REG ER: STORMS SEPT 2012 (PARKS HWY MP 240 REPAIRS 2013)	<Null>	1735351.58	1846743.2	0.091
1120000X000	Denali Highway	118.366	120.872	0085(001)	NOR REG ER: STORMS SEPT 2012 (PARKS HWY MP 240 REPAIRS 2013)	<Null>	1735351.58	1846743.2	2.506
11400001000	Parks Highway	21.68	21.72	0085(006)	WILLOW FLOOD 2012 EMER REPAIRS FHWA AK12-2	Parks Highway, CDS route # 170000, Milepoint 21.7 and 47.5; CDS: 11400001000 BMP: 21.7 EMP: 21.7 1,& CDS: 11400001000 BMP: 47.5 EMP: 47.5	13792.16	13792.16	0.04
11400001000	Parks Highway	21.7	47.7	0085(003)	MAT-SU SEPTEMBER 2012 FLOODING, PERMANENT REPAIRS AK12-2	<Null>	<Null>	<Null>	26
11400001000	Parks Highway	30.9715	31.057283	0080(002)	MAT-SU FLOOD REPAIRS 06-PARKS HWY	Parks Highway MP 66.3, MP 133, MP 133.3, MP 138, INVENTORY ROUTE NUMBER: 170000 MILEPOINT: 31.560, 97.5, 97.2, 102	1871227.24	1871227.24	0.085782
11400001000	Parks Highway	32.871	33.992	0092(008)	MAT-SU AREA REPAIRS - NOV 2018 EQ PR	<Null>	358703.35	390964.43	1.121
11400001000	Parks Highway	40.619	41.61	0092(008)	MAT-SU AREA REPAIRS - NOV 2018 EQ PR	<Null>	358703.35	390964.43	0.991
11400001000	Parks Highway	47.48	47.52	0085(006)	WILLOW FLOOD 2012 EMER REPAIRS FHWA AK12-2	Parks Highway, CDS route # 170000, Milepoint 21.7 and 47.5; CDS: 11400001000 BMP: 21.7 EMP: 21.7 1,& CDS: 11400001000 BMP: 47.5 EMP: 47.5	13792.16	13792.16	0.04
11400001000	Parks Highway	202.463081	222.421081	0074(001)	DENALI EARTHQUAKE ER TEMPORARY REPAIRS	CDS#: 230000 (Tok Cutoff) MIPT: 42.072-95.736; 190000 (Richardson Hwy) MIPT: 199.726-223.5; 180800 (Northway Rd) MIPT: 0.242-7.0; 237000 (Nabesna Rd) MIPT: 0.0-3.957; 170000 (Parks Hwy) MIPT: 202.456 & 222.414; 180000 (Alaska Hwy) MIPT: 78.974	6061165.49	6061165.49	19.958
11400001000	Parks Highway	204.28	204.32	0085(001)	NOR REG ER: STORMS SEPT 2012 (PARKS HWY MP 240 REPAIRS 2013) AK12-2	Parks Highway MP 66.3, MP 133, MP 133.3, MP 138, INVENTORY ROUTE NUMBER: 170000 MILEPOINT: 31.560, 97.5, 97.2, 102	1735351.58	1846743.2	0.04
2021026X000	Lutak Road	0.275	0.325	0071(004)	HNS LUTAK ROAD STORM DAMAGE REPAIRS (1998)	F-95, Haines Highway MP 8 to MP 23. Perform emergency restoration work on the Haines Highway at three separate locations (MP 8.6, 20.0, and 23.0).	239524.13	240022.85	0.05
2021026X000	Lutak Road	0.276325	0.323673	0079(001)	SEA NOVEMBER 2005 STORM EMERGENCY REPAIRS	See file for locations	406346	406346	0.047348
2021026X000	Lutak Road	3.805303	3.994697	0079(001)	SEA NOVEMBER 2005 STORM EMERGENCY REPAIRS	See file for locations	406346	406346	0.189394
2021026X000	Lutak Road	3.83	3.839	0071(004)	HNS LUTAK ROAD STORM DAMAGE REPAIRS (1998)	S-99I Lutak Road, MP 0.0 to MP 10. Perform emergency restoration work on the Lutak Road at four separate locations (MP 0.5, 7.0, 8.0, and 9.0).	237289.13	237289.13	0.009
2021026X000	Lutak Road	3.88	3.92	0079(002)	SEA NOVEMBER 2005 STORM PERMANENT REPAIRS	See file for locations	1834178.26	2016246.24	0.04
2121010X000	Herman Leirer Road	0.69	0.71	0075(007)	KENAI PEN FLOOD OCT 02 - SEWARD AREA	See file for locations	331024.57	331024.57	0.02
2121010X000	Herman Leirer Road	1.09	1.11	0081(009)	OCTOBER 2006 CR FLOOD EVENT REPAIRS, FHWA	See file for various locations in CR	1052045.86	1104973.28	0.02
2121010X000	Herman Leirer Road	1.179	1.379	0092(002)	KENAI PENINSULA 2018 FLOOD HERMAN LEIRER ROAD MILE POINT 1.2	Repair highway embankment eroded by flood waters. Install rip rap and backfill, pave damaged asphalt.	<Null>	<Null>	0.2
2121010X000	Herman Leirer Road	4.442	4.482	0092(005)	KENAI PENINSULA 2018 FLOOD HERMAN LEIRER ROAD MILE POINT 4.4	Repair scoured road shoulder, replace damaged culvert, protect road embankment with rip rap, pave damaged section of road and stripe. Project design was accomplished with State funds.	<Null>	<Null>	0.04
2121010X000	Herman Leirer Road	4.53	4.57	0085(011)	SEWARD FLOOD 2012 EMER REPAIRS FHWA AK12-2	<Null>	134315.64	134315.64	0.04
2121010X000	Herman Leirer Road	4.6	4.7	0092(009)	KENAI PENINSULA 2018 FLOOD HERMAN LEIRER ROAD MILE POINT 4.6 Temp Repairs	Remove debris from stream bed to relieve flooding and reestablish channel. Repair stream bank erosion and place rip rap along stream bank to prevent further erosion and protect the road from flood damage.	<Null>	<Null>	0.1
2121010X000	Herman Leirer Road	4.632	4.672	0092(006)	KENAI PENINSULA 2018 FLOOD HERMAN LEIRER ROAD MILE POINT 4.6	Remove debris from stream bed to relieve flooding and reestablish channel. Repair stream bank erosion and place rip rap along stream bank to prevent further erosion and protect the road from flood damage.	<Null>	<Null>	0.04

2121017X000	Nash Road	0.546	5.359912	0092(001)	KENAI PENINSULA 2018 FLOOD NASH ROAD DEBRIS REMOVAL	<Null> CDS: 2141074X000 BMP: 9.397 EMP: 9.397; CDS: 2121017X000 BMP: 2.026 EMP: 2.14; CDS: 2121010X000 BMP: 0.114 EMP: 0.114; CDS: 2121017X000 BMP: 2.354 EMP: 2.385	<Null>	<Null>	4.813912
2121017X000	Nash Road	1.6	2.6	0085(002)	KENAI PENINSULA SEPTEMBER 2012 FLOODING, PERMANENT REPAIRS	EMP: 2.385	481890.71	529725	1
2121017X000	Nash Road	2.013	2.033	0075(007)	KENAI PEN FLOOD OCT 02 - SEWARD AREA	See file for locations	331024.57	331024.57	0.02
2121017X000	Nash Road	2.193	2.471	0085(011)	SEWARD FLOOD 2012 EMER REPAIRS FHWA AK12-2	<Null>	134315.64	134315.64	0.278
2361053X000	Old Glenn @ Palmer	3.3	14.7	0085(003)	MAT-SU SEPTEMBER 2012 FLOODING, PERMANENT REPAIRS AK12-2	<Null>	<Null>	<Null>	11.4
2361053X000	Old Glenn @ Palmer	6.141683	6.157261	0070(006)	OLD GLENN HWY, GOAT CREEK BRIDGE, FLOOD REPAIRS	<Null>	<Null>	<Null>	0.015577
2361053X000	Old Glenn @ Palmer	7.594708	7.596708	0072(001)	WINTER '00 AVALANCHE REPAIRS	<Null>	756451.86	775643.7	0.002
2361053X000	Old Glenn @ Palmer	7.741	7.781	0085(013)	PALMER FLOOD 2012 EMER REPAIRS FHWA AK12-2	<Null>	161084.97	178721.63	0.04
2361053X000	Old Glenn @ Palmer	8.052609	8.072609	0072(001)	WINTER '00 AVALANCHE REPAIRS	<Null>	756451.86	775643.7	0.02
2361053X000	Old Glenn @ Palmer	14.409	14.449	0085(013)	PALMER FLOOD 2012 EMER REPAIRS FHWA AK12-2	<Null>	161084.97	178721.63	0.04
2361071X000	Trunk Road	0	1	0091(010)	CENTRAL REGION BRIDGES - NOV 2018 EQ PR	<Null>	<Null>	<Null>	1
2381012X000	Lucus Road	0.38	0.42	0085(013)	PALMER FLOOD 2012 EMER REPAIRS FHWA AK12-2	<Null>	161084.97	178721.63	0.04
9141005X000	Council Road	0	71.970432	0084(001)	NOR REG ER: NOME REPAIRS NOVEMBER 2011 AK12-1	Various location on the Nome-Council Highway and Front Street in Nome, AK.	10883637.96	10883661.59	71.970432
9141005X000	Council Road	0	32.871	0076(004)	NOR REG ER: NOME STORM PERM REPAIRS-2004/2005 STAGE II	See project file for locations	4485866.08	4931170.88	32.871
9141005X000	Council Road	0	2.9	0078(001)	NOME SEA STORM (9/05) TEMPORARY REPAIRS	See file for locations	697849.51	697849.51	2.9
9141005X000	Council Road	0	31.871	0076(002)	NOME STORM ER PERMANENT REPAIRS - 2004/2005 STAGE I	See file for locations	4558709.73	5011223.2	31.871
9141005X000	Council Road	0	31.871	0076(001)	NOME STORM ER TEMPORARY REPAIRS - 2004	See file for locations	435437.01	447105.39	31.871
9141005X000	Council Road	1.346	31.495	0084(002)	NOR REG ER: NOME SEA STORM PERMANENT REPAIRS NOV 2011 AK12-1	Termini: Various locations on Council Road in Nome. Route 9141005X000 1.350 - 31.560	2543076.35	2796511	30.149
9141005X000	Council Road	14.345742	31.887318	0089(004)	NOR REG ER: NOME-COUNCIL RD MP 15-33 EMERG REPAIRS NOV 2013	Nome Council Road from MP 15-33; CDS: 166500 BMP: 15.7 EMP: 32.6	3964614	3964614	17.541576
9141005X000	Council Road	15.3	30.89	0078(001)	NOME SEA STORM (9/05) TEMPORARY REPAIRS	See file for locations	697849.51	697849.51	15.59
9141005X000	Council Road	20.951606	21.330393	0076(003)	NOME STORM ER PERMANENT REPAIRS - SAFETY SOUND	Nome area - Council Hwy MP 22.1, approximately 2,000' in length. CDS#: 166500 MIPT: 21.141 (major collector); reconstructing approximately 2,000' of roadway embankment by raising the grade from 0'-8" and providing erosion protection.	1189997.79	1308121.13	0.378787
9141005X000	Council Road	34.886521	71.113691	0073(001)	NOME-COUNCIL HWY FLOOD PERMANENT REPAIRS (ER)	Nome-Council Highway between MP 36.5-72.8 (approximate length, 36.0 miles)	110810.89	143662.35	36.227171
9141005X000	Council Road	34.886521	70.313691	0073(003)	NOME FLOODING ER TEMPORARY REPAIRS	See file for locations	113495.29	119362	35.427171
9141011X000	Front Street	0	1.116334	0084(001)	NOR REG ER: NOME REPAIRS NOVEMBER 2011 AK12-1	Various location on the Nome-Council Highway and Front Street in Nome, AK.	10883637.96	10883661.59	1.116334
9141011X000	Front Street	0	1.116334	0076(004)	NOR REG ER: NOME STORM PERM REPAIRS-2004/2005 STAGE II	See project file for locations	4485866.08	4931170.88	1.116334
9141011X000	Front Street	1.106334	1.116334	0076(002)	NOME STORM ER PERMANENT REPAIRS - 2004/2005 STAGE I	See file for locations	4558709.73	5011223.2	0.01
9141011X000	Front Street	1.106334	1.116334	0076(001)	NOME STORM ER TEMPORARY REPAIRS - 2004	See file for locations	435437.01	447105.39	0.01
9141024X000	Kougarok Road/Nome-Taylor Hwy	23.751127	68.011747	0073(002)	NOME-TAYLOR HWY FLOOD PERMANENT REPAIRS (ER)	Nome - Taylor Highway between MP 23.3-68.0 (approximate length, 45 miles).	318381.04	349984.66	44.26062
9141024X000	Kougarok Road/Nome-Taylor Hwy	23.751127	68.011747	0073(003)	NOME FLOODING ER TEMPORARY REPAIRS	See file for locations	113495.29	119362	44.26062
9141024X000	Kougarok Road/Nome-Taylor Hwy	60.127	61.185	0078(001)	NOME SEA STORM (9/05) TEMPORARY REPAIRS	See file for locations	697849.51	697849.51	1.058