

**CITY OF KODIAK
FUTURE FIRE STATION REPLACEMENT PROJECT
STEERING COMMITTEE MEETING**

**Tuesday, February 11, 2020
City of Kodiak
Noon**

AGENDA

1. Public Comments (limited to 3 minutes)
2. Duties of the Steering Committee
3. Fire Station Sites1
4. Fire/Ambulance Call Mapping5
5. Current Space Program

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Kodiak Fire Station
Site Evaluation Summary Table

Criteria Section	Site Number & Description								Comments	
2/5/2020	0 - Existing Station	1 - 170 Von Scheele Way (Safeway)	2 - 1950 & 1918 Mill Bay Road (Friend)	3 - 1240 Mill Bay Road (Ms Kim)	4 - Mill Bay Road and Powell Avenue (Coon Field)	5 - Mill Bay Road and Center Street (Kodiak Motors)	6 - Von Scheele & Selfef (Impound Lot)	7 - Mill Bay & Benny Benson (UA Land)	8 - E Rezanof & Egan (Borough Lot)	
	score	score	score	score	score	score	score	score	score	
Social and Land Use Factors	2020	2245	1655	1940	2070	1280	2005	2210	2250	
Construction Factors	2550	2850	1835	2030	2150	1770	2790	2210	2080	
Maintenance and Operating Factors	410	600	480	480	520	200	600	520	560	
	4980	5695	3970	4450	4740	3250	5395	4940	4890	
Notes: - Sites 2 & 5 have possible fatal flaws: Site 2 (Friend) is not large enough for Fire Station due to irregular site shape; Site 5 (Kodiak Motors) is in tsunami inundation zone - Site 4 (Coon Field) requires significant investment in rerouting roads and requires a complicated land acquisition - Site 7 (UA Land) has significant wetland and grading issues; remediation costs may be prohibitive - Site 8 (Borough Lot) has a number of easements; site configuration and access may preclude drive-thru bays - Existing utility capacity not yet evaluated (water, sewer, electrical)										

Kodiak Fire Station
Social and Land Use Factors

no.	Criteria	Weight Factor (WF)	Site Number & Description																			
			0 - Existing Station	1 - 170 Von Scheele Way (Safeway)	2 - 1950 & 1918 Mill Bay Road (Friend)	3 - 1240 Mill Bay Road (Ms Kim)	4 - Mill Bay Road and Powell Avenue (Coop Field)	5 - Mill Bay Road and Center Street (Kodiak Motors)	6 - Von Scheele & Selief (Impound Lot)	7 - Mill Bay & Benny Benson (JA Land)	8 - E Rezanof & Egan (Borough Lot)	score	x WF	score	x WF	score	x WF	score	x WF	score	x WF	
1	Size of Site (buildable area)	50	3	150	4	200	0	0	3	150	3	150	3	150	1	50	4	200	4	200	2	100
2	Multiple road routes available	75	2	150	3	225	1	75	2	150	4	300	2	150	2	150	3	225	4	300	4	300
3	Proximity to residential areas	50	3	150	4	200	2	100	3	150	3	150	3	150	2	100	3	150	3	150	4	200
4	Travel time to fire / emergency location (to be verified once shorlist established)	100	4	400	2	200	3	300	3	300	4	400	4	400	3	300	2	200	2	200	4	400
5	Proximity to Natural Hazards	50	1	50	4	200	4	200	4	200	4	200	4	200	0	0	4	200	4	200	4	200
6	Zoning/Land Use	50	4	200	4	200	4	200	3	150	3	150	3	150	3	150	3	150	4	200	4	200
7	Road width and slope	50	3	150	4	200	4	200	4	200	4	200	4	200	2	100	3	150	3	150	2	100
8	Proximity to existing facilities for public staging	50	3	150	2	100	1	50	3	150	4	200	4	200	1	50	2	100	4	200	4	200
9	Noise	20	3	60	4	80	2	40	2	40	2	40	2	40	2	40	3	60	3	60	3	60
10	Potential for Hazardous Materials (on site)	40	3	120	3	120	1	40	2	80	1	40	1	40	1	40	2	80	4	160	3	120
11	Traffic on road	40	3	120	3	120	3	120	2	80	2	80	2	80	2	80	3	120	3	120	3	120
12	Proximity to public facilities (that could cause delays)	40	2	80	3	120	4	160	3	120	1	40	1	40	2	80	3	120	2	80	2	80
13	Site meets department needs for present and future	40	3	120	4	160	2	80	2	80	3	120	3	120	2	80	4	160	4	160	4	160
14	Potential public / neighborhood reaction to site	30	4	120	4	120	3	90	3	90	0	0	0	0	2	60	3	90	1	30	3	90
	Totals			2020		2245		1655		1940		2070		1280		2005		2210		2250		2250

Kodiak Fire Station
Construction Cost Factors

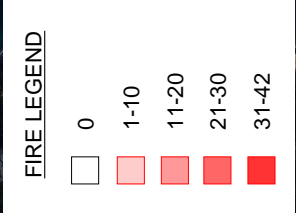
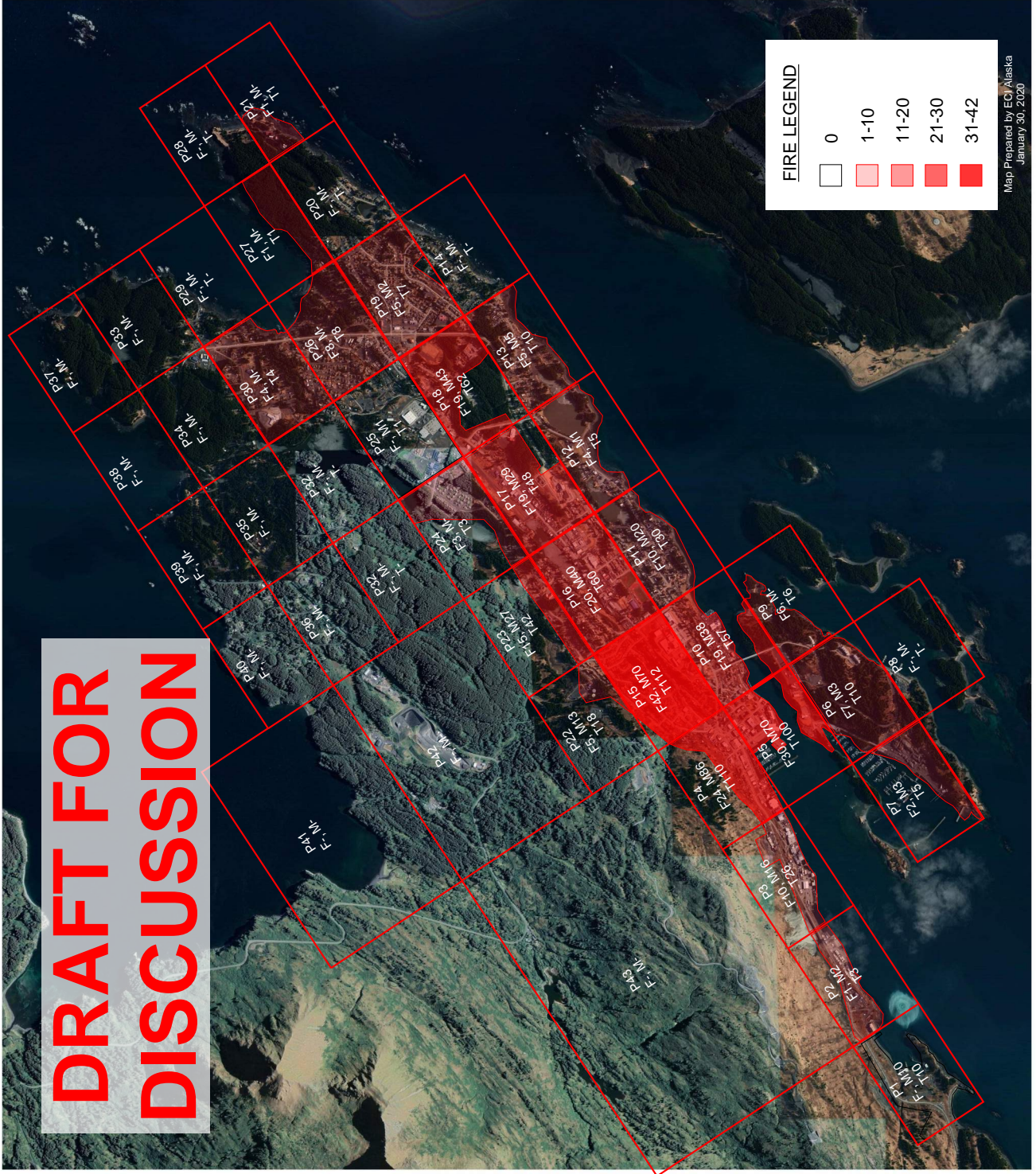
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		10 = not very important 20 = somewhat important 30 = important 40 = very important 50 = essential	score	x WF	score	x WF	score	x WF	score	x WF	score	x WF	score	x WF	score	x WF	score	x WF
1	Site Soils/Foundation Conditions	30	3	90	4	120	1	30	3	90	2	60	2	60	2	60	3	90
2	Availability & capacity of Water Utilities	50	4	200	4	200	4	200	4	200	4	200	4	200	4	200	4	200
3	Availability & capacity of Sewage Utilities	50	4	200	4	200	4	200	4	200	4	200	4	200	4	200	4	200
4	Availability & capacity of Electrical Power	40	4	160	4	160	4	160	4	160	4	160	4	160	4	160	4	160
5	Availability & capacity of Fuel Storage/Distribution	40	4	160	4	160	2	80	2	80	2	80	2	80	4	160	4	160
6	Setbacks, Easements, Future Roadway Width	40	4	160	4	160	4	160	3	120	3	120	1	40	4	160	4	160
7	Ease of Transporting Construction Materials	40	4	160	4	160	3	120	3	120	3	120	2	80	4	160	4	160
8	Adequate construction staging area	20	2	40	4	80	2	40	2	40	3	60	1	20	4	80	4	80
9	Site Availability/Acquisition Cost	50	4	200	3	150	1	50	3	150	1	50	2	100	4	200	3	150
10	Site Drainage	40	4	160	4	160	2	80	3	120	3	120	3	120	4	160	2	80
11	Site Erosion	20	4	80	4	80	4	80	2	40	4	80	3	60	4	80	4	80
12	Road frontage and shape	50	3	150	4	200	2	100	2	100	3	150	2	100	4	200	2	100
13	Road access	50	3	150	4	200	2	100	2	100	3	150	2	100	4	200	2	100
14	Drive-through capability	75	4	300	4	300	1	75	2	150	4	300	2	150	4	300	4	300
15	Site topography	20	3	60	4	80	4	80	2	40	3	60	3	60	4	80	1	20
16	Existing Site Development	40	3	120	4	160	1	40	3	120	3	120	1	40	4	160	4	160
17	Site preparation costs	40	1	40	4	160	3	120	2	80	0	0	2	80	2	80	1	40
18	Wetlands	10	4	40	4	40	4	40	4	40	4	40	4	40	4	40	0	0
19	Ecological issues	20	4	80	4	80	4	80	4	80	4	80	4	80	4	80	0	0
Totals			2550	2850	1835	2030	2150	1770	2790	2210	2080							

Kodiak Fire Station
Maintenance and Operating Cost Factors

no.	Criteria	Weight Factor (WF)	Site Number & Description															
			0 - Existing Station	1 - 170 Von Scheele Way (Safeway)	2 - 1950 & 1918 Mill Bay Road (Friend)	3 - 1240 Mill Bay Road (Ms Kim)	4 - Mill Bay Road and Powell Avenue (Coan Field)	5 - Mill Bay Road and Center Street (Kodiak Motors)	6 - Von Scheele & Selief (Impound Lot)	7 - Mill Bay & Benny Benson (UA Land)	8 - E Rezanof & Egan (Borough Lot)	score	x WF	score	x WF			
1	Site Drainage	40	4	160	2	80	3	120	3	120	2	80	4	160	2	80	4	160
2	Site Erosion	20	4	80	4	80	2	40	4	80	2	40	4	80	4	80	4	80
3	Flooding	50	1	50	4	200	4	200	4	200	0	0	4	200	4	200	4	200
4	Transportation distance for maintenance	40	3	120	3	120	3	120	3	120	2	80	4	160	4	160	3	120
5	Alternative Energy Sources	40	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	Site provides features that will reduce energy consumption	40	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Totals				410		600		480		520		200		600		520		560

Kodiak Fire Station **DRAFT**
2018 FIRE Instance Mapping

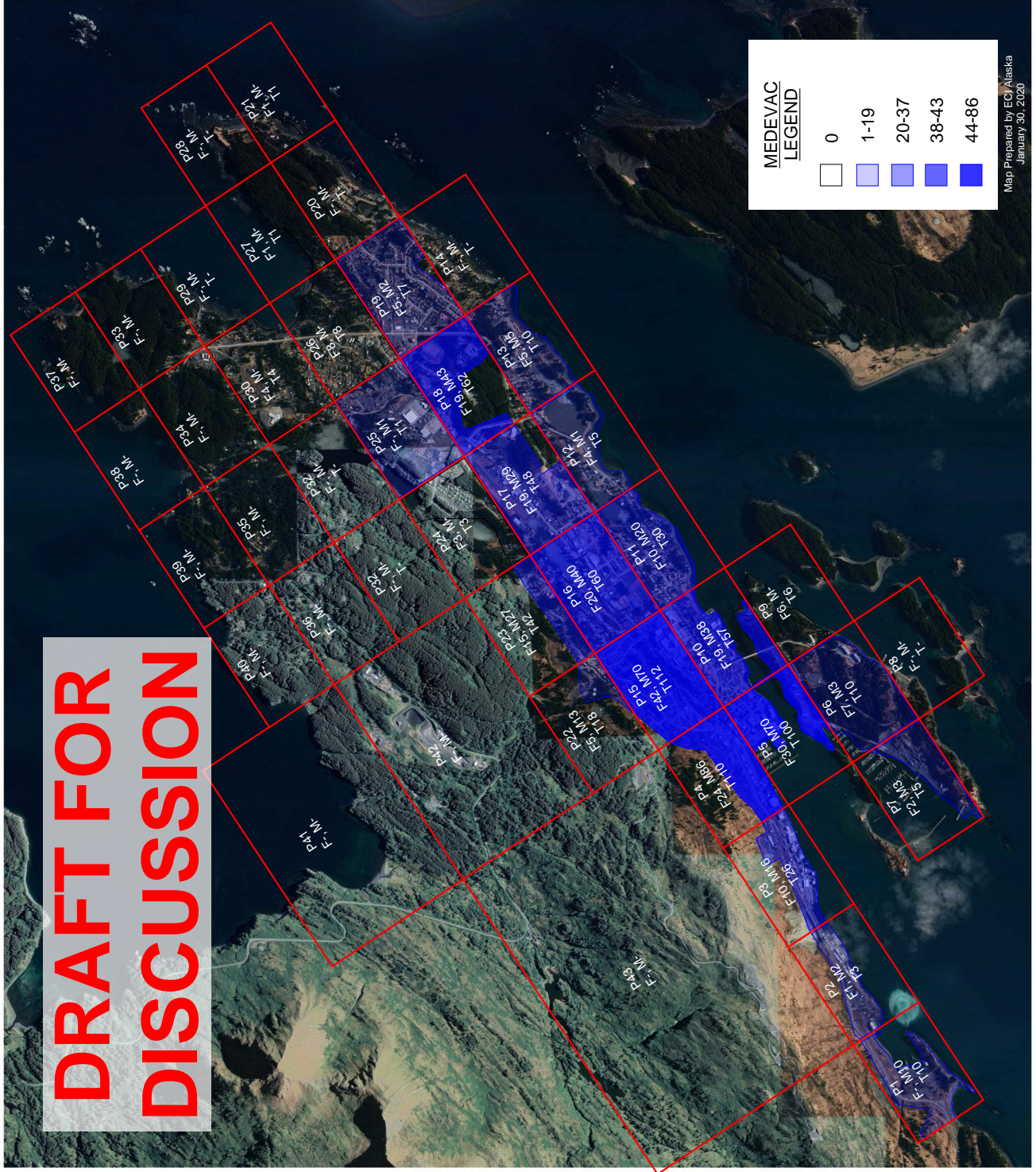
**DRAFT FOR
DISCUSSION**



Map Prepared by ECI Alaska
January 30, 2020

Kodiak Fire Station **DRAFT**
2018 MEDVAC Instance Mapping

**DRAFT FOR
DISCUSSION**



**MEDEVAC
LEGEND**

0	1-19	20-37	38-43	44-86
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Map Prepared by ECI Alaska
January 30, 2020

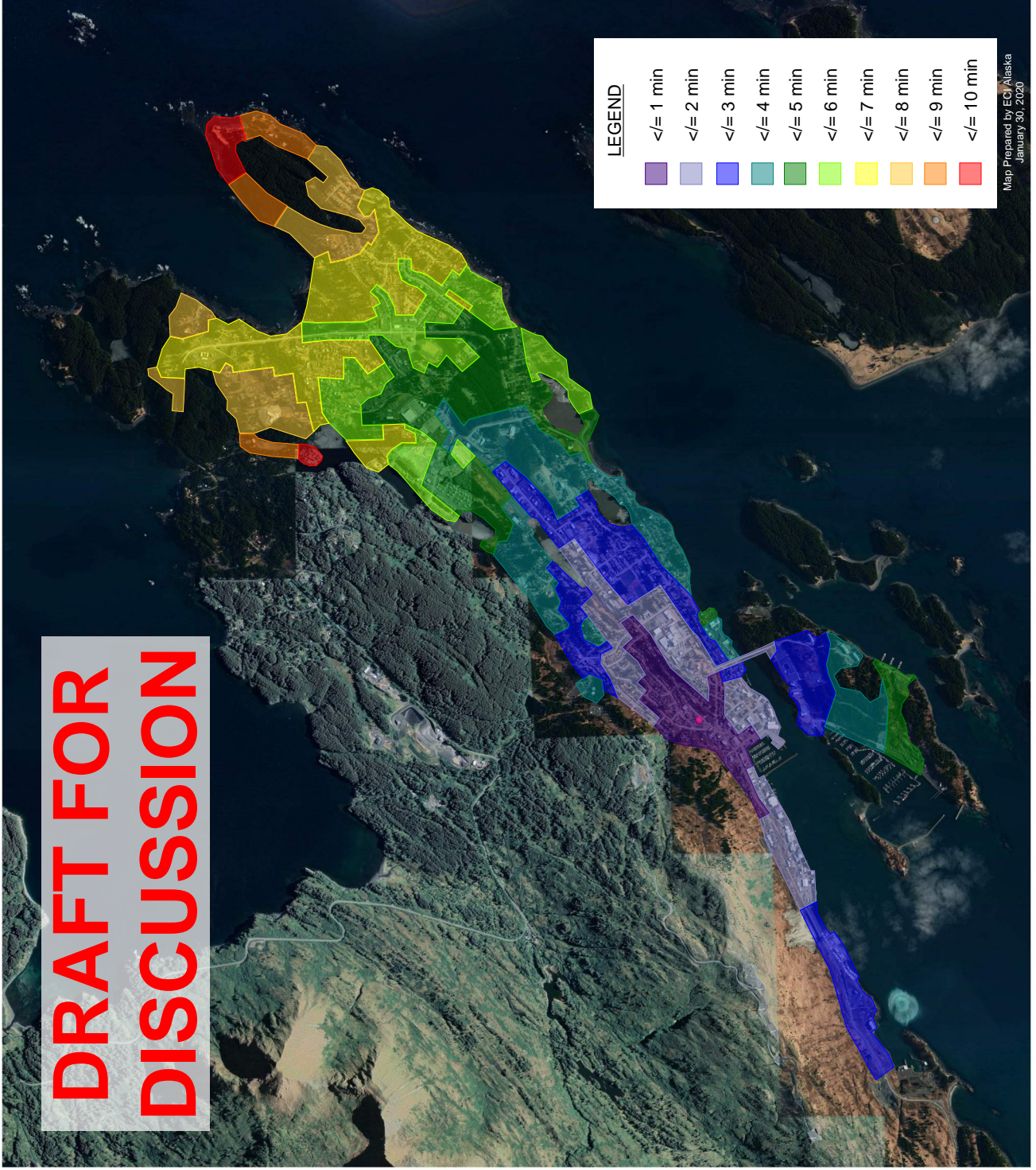
Kodiak Fire Station **DRAFT**
Proposed Site Locations - Travel Time Mapping Key

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DISCUSSION**



Kodiak Fire Station **DRAFT**
(0) 219 Lower Mill Bay Rd Travel Time Mapping

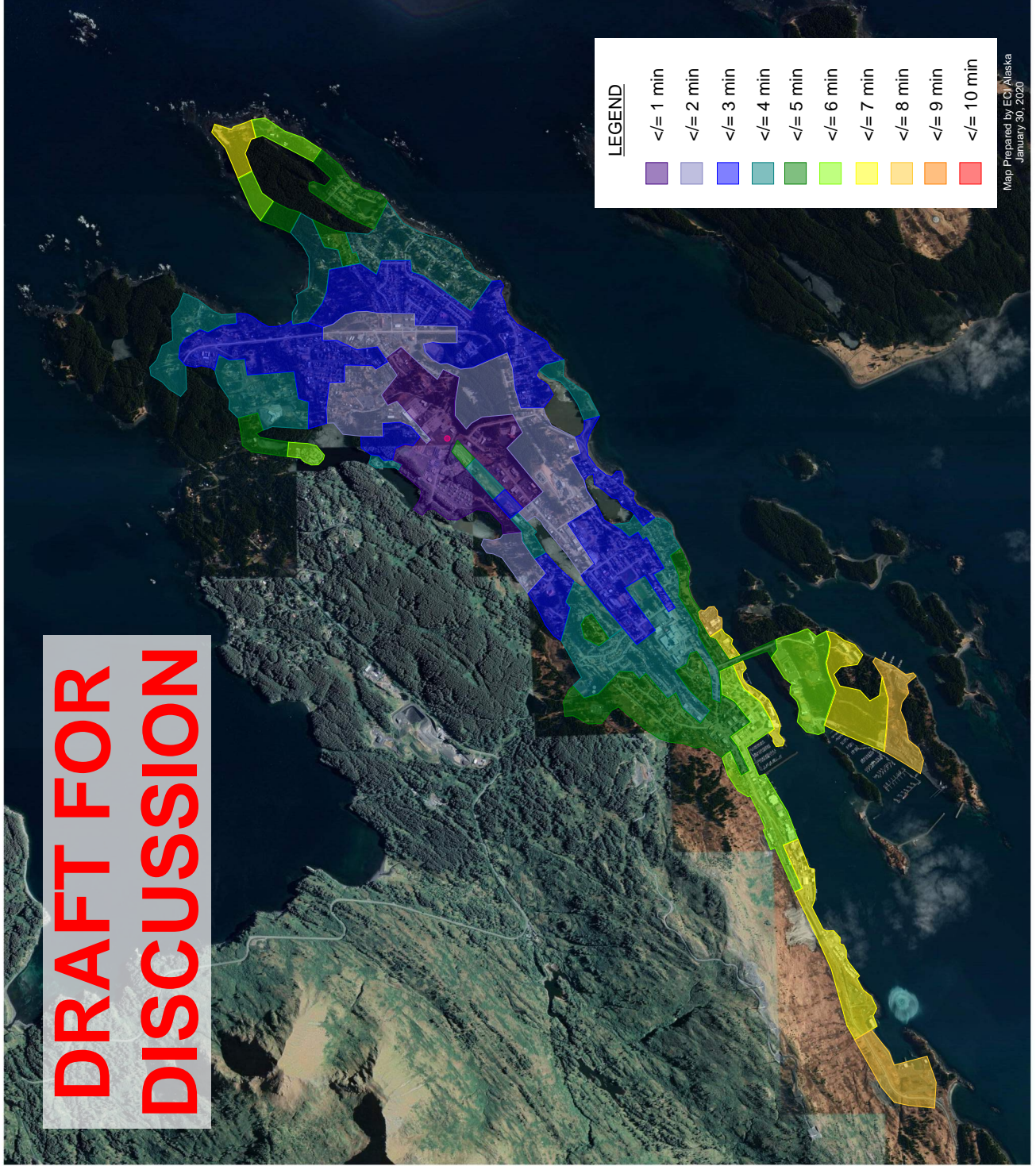
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Disclaimer: Travel times were sourced from Google Maps for all sites. This information may vary from actual conditions.

Kodiak Fire Station **DRAFT**
(1) 170 Von Scheele Way Travel Time Mapping

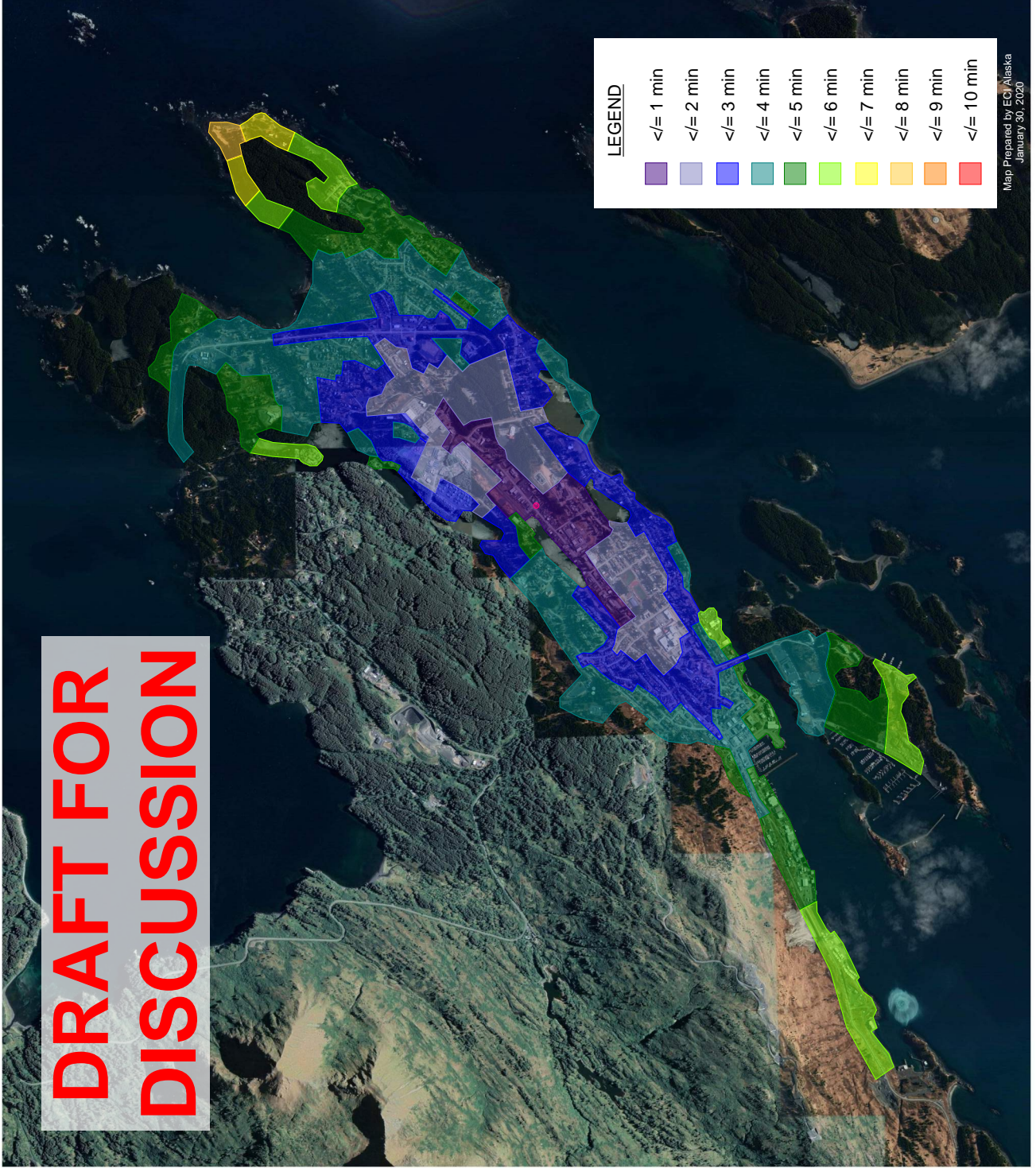
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Kodiak Fire Station **DRAFT**
(2) 1950 & 1918 Mill Bay Rd Travel Time Mapping

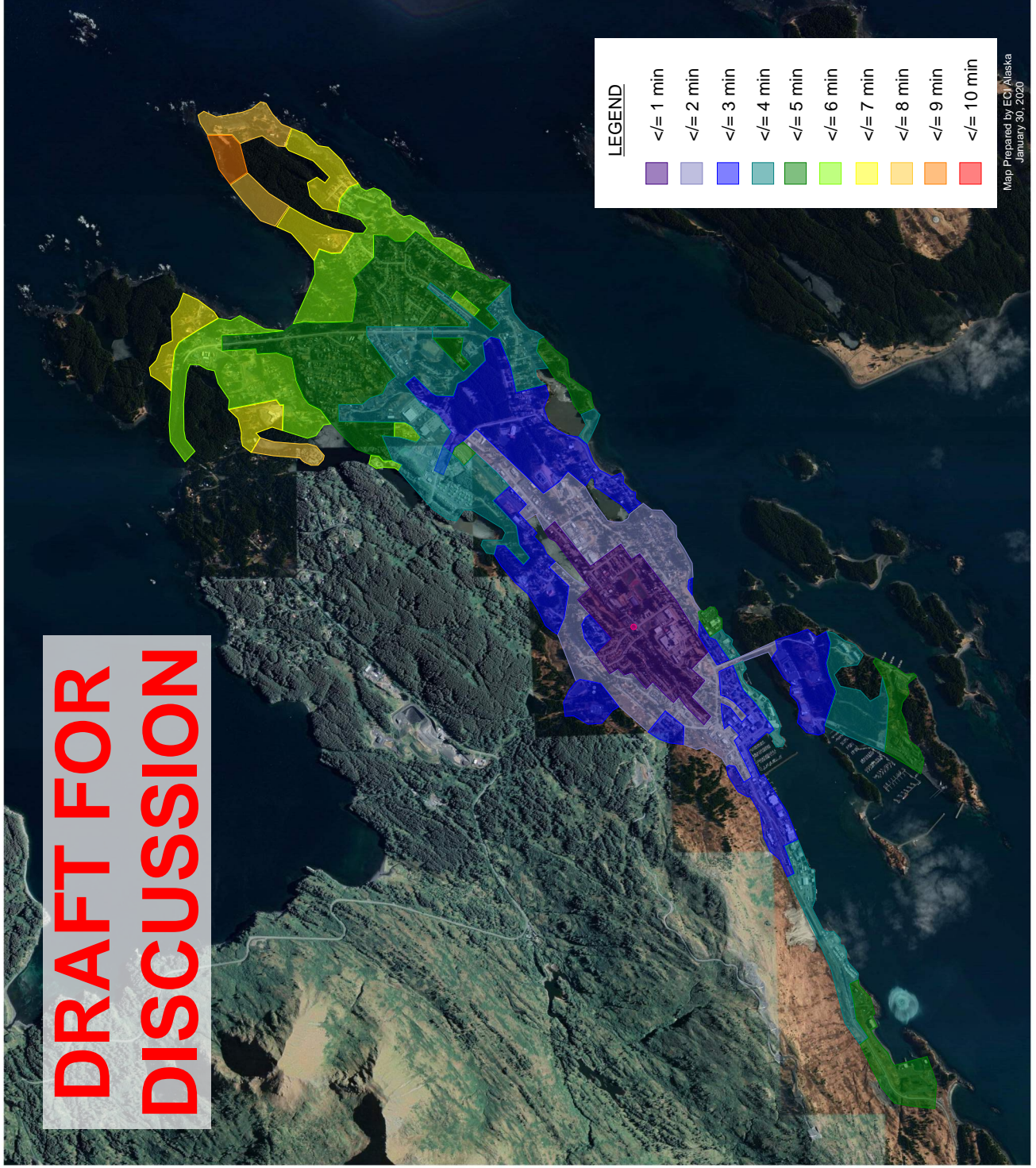
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Kodiak Fire Station **DRAFT**
(4) Mill Bay Rd & Powell Ave Travel Time Mapping

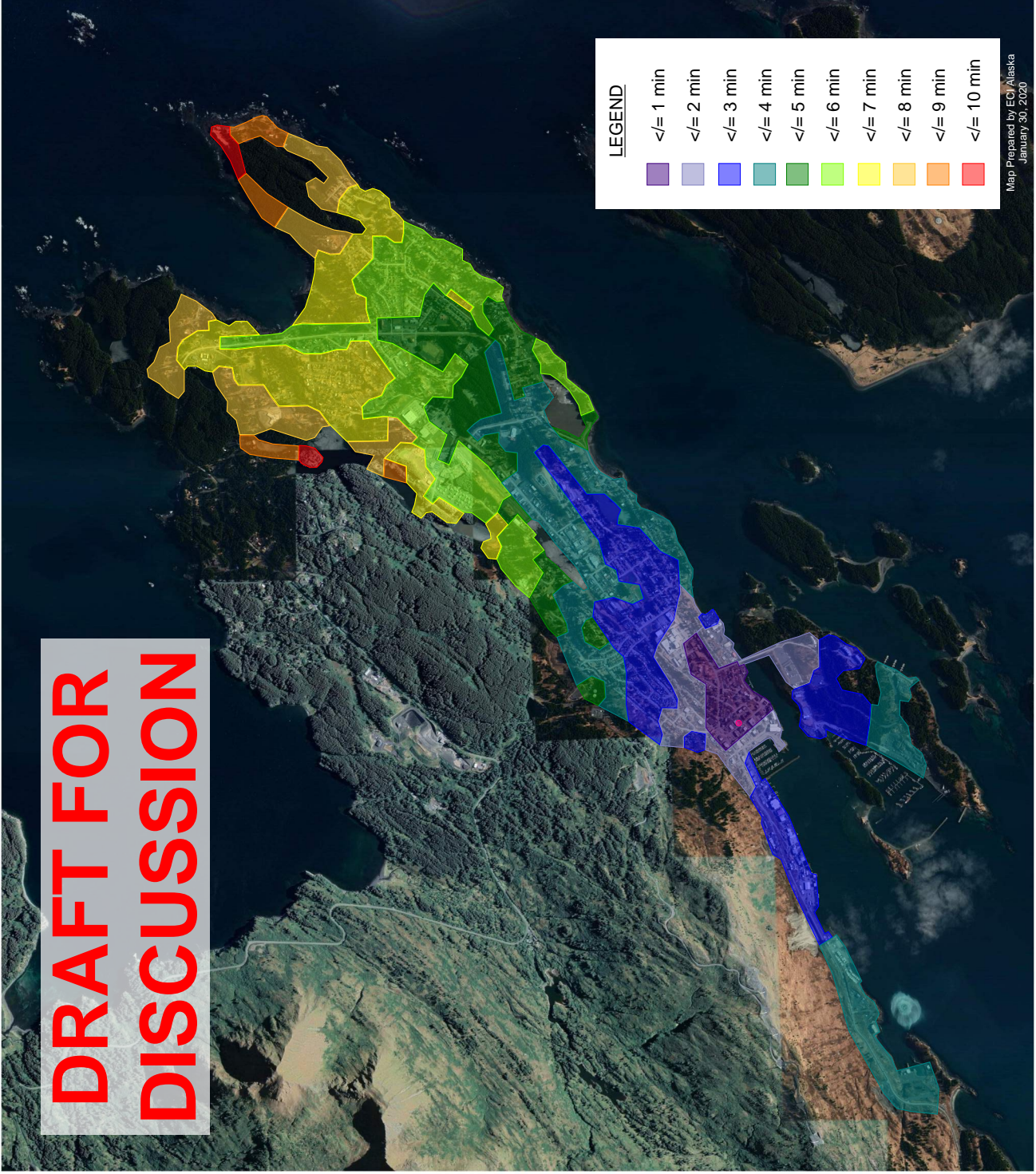
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Kodiak Fire Station **DRAFT**
(5) Mill Bay Rd & Center St Travel Time Mapping

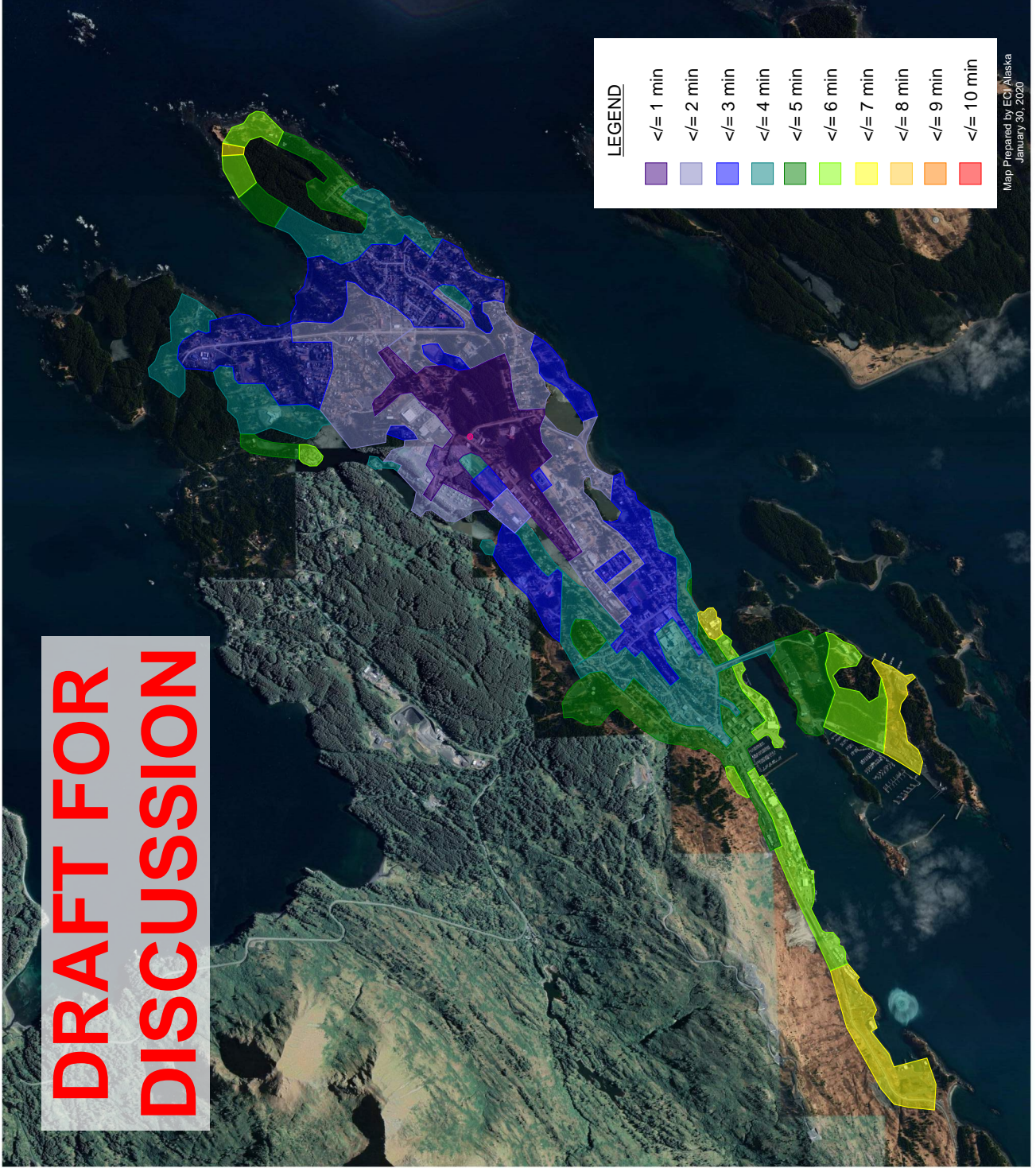
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Kodiak Fire Station **DRAFT**
(7) Mill Bay Rd & Benny Benson Dr Travel Time Mapping

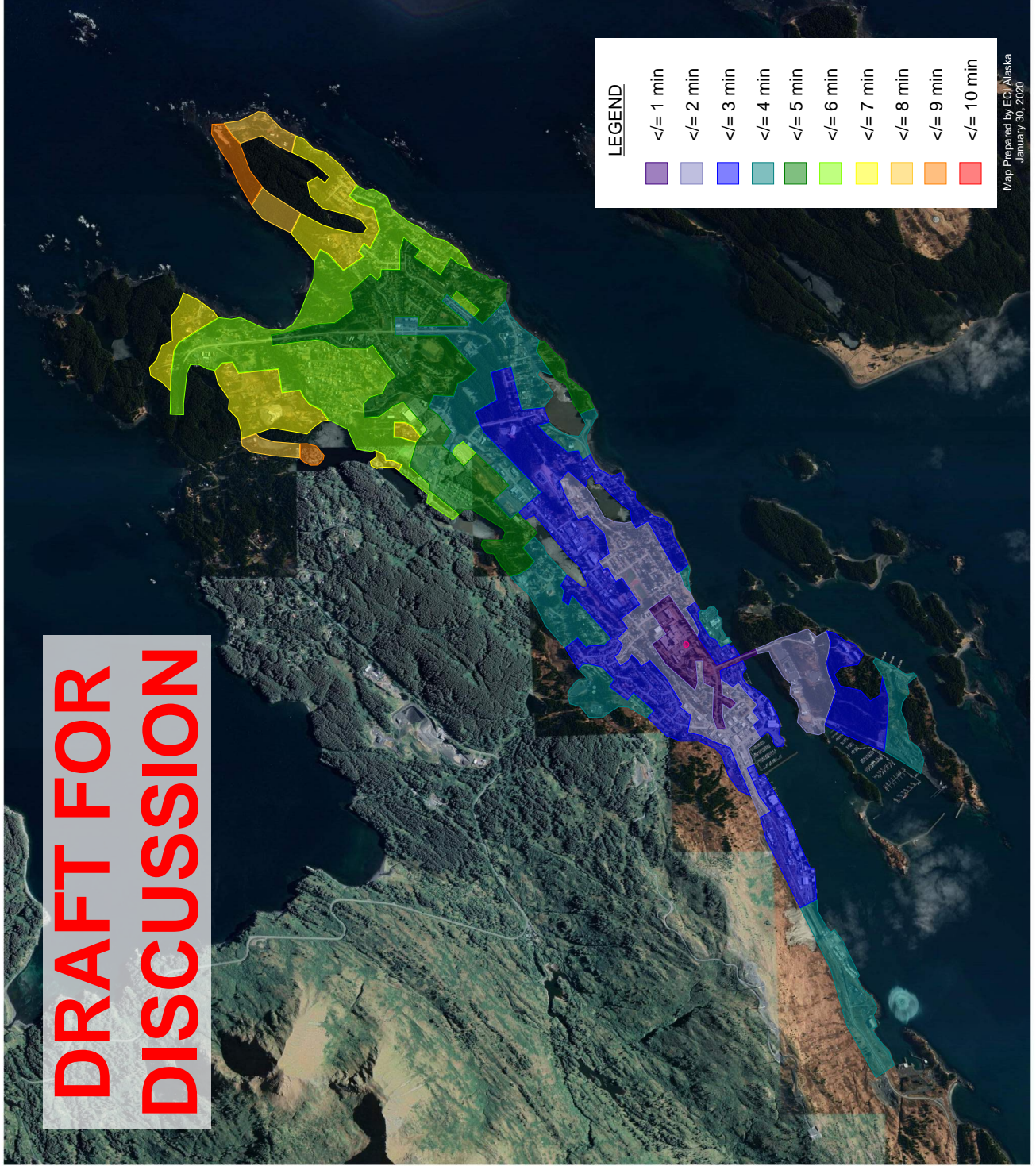
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Kodiak Fire Station **DRAFT**
(8) E Rezanof Dr & Egan Way Travel Time Mapping

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