

# Evaluation Matrix

REVISED 12/6/07

PROPOSED ROUTES	CRITERION <sup>1, 2</sup>										Preliminary Cost Estimate (millions) <sup>5</sup>
	1	2	3	4	5	6	7	8	9	10	
	Poor or highly compressible soils (cubic yards)	New road crossings (#)	Land availability <sup>3</sup> (acres/mile)	Developed parcels (#)	Designated land use <sup>4</sup> (acres)	Train Energy (horsepower-hours)	Wetlands (acres)	Mapped anadromous fish streams (#)	High potential for archeological sites (acres)	Fragmentation of designated refuges and recreation areas (yes/no)	
Mac West - Willow	0	+	0	0	-	0	0	0	-	-	\$320
Mac West - Houston North	-	+	0	+	-	+	-	-	+	-	\$250
Mac West - Houston South	0	+	0	+	-	0	-	0	+	0	\$220
Mac West - Big Lake	+	-	-	-	-	-	0	-	-	0	\$290
Mac East - Willow	0	0	0	+	+	0	+	+	-	-	\$330
Mac East - Houston North	-	0	0	+	+	+	0	0	+	-	\$260
Mac East - Houston South	0	0	+	+	+	0	+	0	+	+	\$230
Mac East - Big Lake	+	-	0	-	+	-	+	-	-	+	\$285

- (+) Positive; (0) Neutral; (-) Negative
- Criteria not weighted / Routes are unranked
- Large parcels of undeveloped land owned by State of Alaska MSB, University of Alaska, Mental Health Trust, and Alaska Native corporations
- Lands that are designated for parks, refuges, residential, or agricultural uses
- Costs do not include approximately \$10 million for loop track construction within the port (all alternatives)

