

STERLING HIGHWAY, MP 45-60
Cooper Creek Alternative
CONTRACT ESTIMATE

Table with columns: Length, BOP, EOP, Length (ft), Length (mi). Rows include Length New Highway and Typical Section.



STRUCTURAL SECTION (inches) table showing ACP Type II, Binder, ABC, Borrow A-C, and Borrow C values.

STRUCTURES (feet) table with columns: Crossing, Beg Sta, End Sta, Width. Lists Schooner Bend Bridge, Cooper Creek Crossing, and Kenai River Crossing.

Main project cost breakdown table with columns: DESCRIPTION, ITEM No, Pay Unit, Unit Price, Quantity, Amount. Includes categories like Cleaning and Grubbing, Removal of Structures, Earthwork, Concrete, and Bridge Structure Costs.

Summary table with columns: Category, Amount. Shows totals for Roadway, Bridge, Contingency, Construction Engineering, Environmental Permitting, Utilities, ROW, ICAP, and Grand Total.

ASSUMPTIONS table with entries: Clear Zone: 30-feet, Slopes: 6:1 (22): 2:1

TABLE OF ESTIMATING FACTORS table with columns: ITEM, FACTOR, QUANTITY. Lists material types and aggregate base courses.

SUMMARY table with columns: Item, Amount, Unit Price. Lists various bridge and roadway items.

GUARDRAIL (LF) table with columns: Segment, Length. Lists various guardrail segments along the route.

MSE RETAINING WALLS (SF) table with columns: Location, Length, Height, Area. Lists MSE retaining wall locations and dimensions.

Bridge Rail Connections table with columns: Structure, Count. Lists rail connections for various structures.

Guardrail End Sections table with columns: Rail Run, Count. Lists guardrail end sections for various structures.

Bridge Structure Costs table with columns: Crossing, SF, Cost (\$/SF), Revised Cost (\$/SF), Bridge Cost. Lists costs for various bridge crossings.

*Right-of-Way costs estimate the land payment portion only of ROW acquisition. It does not address the other per parcel costs of ROW acquisition.

** The bridge costs are taken from the Preliminary Bridge Structures Technical Memo August 2011 and are not intended to reflect actual construction costs but rather to be used for cost comparisons between alternatives.

Bridge Structure Cost Revision Assumptions: From the Bridge Report the most expensive bridge option used to provide a conservative estimate, the cost per sq ft from the bridge report was adjusted to construction only costs by dividing by 1.15 (5% increase over basic furnishing and installation costs) and then including 10% for returns and 15% for mobilization.