

MP 102.5 CULVERT REPLACEMENT

OPTION 2 - PARTIAL PIPE REPLACEMENT

DESIGNED BY: ARRC
 CHECKED BY: ARRC
 DRAFTED BY: ARRC

ALASKA RAILROAD CORPORATION
 PO BOX 107500, ANCHORAGE, AK
 99510-7500
 327 W SHIP CREEK AVE
 ANCHORAGE, AK 99501
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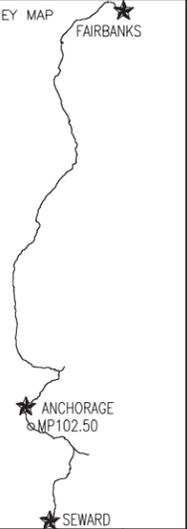


TABLE OF PAY ITEMS			
PAY ITEM	ITEM DESCRIPTION	PAY UNIT	QUANTITY
202.0018.2	REMOVAL OF CULVERT PIPE	LS	1
203.0019.2	UNCLASSIFIED EXCAVATION	LS	1
203.0020.2	SELECTED MATERIAL, TYPE A	LS	1
203.0020.3	SELECTED MATERIAL, TYPE C	LS	1
205.0005.1	CONTROLLED LOW STRENGTH MATERIAL	LS	1
301.0007.2	AGGREGATE BASE COURSE, GRADING C-1 (SUB-BALLAST)	LS	1
309.0003.2	RAILROAD BALLAST, TYPE 3	LS	1
501.0001.3	CLASS A CONCRETE, CAST-IN-PLACE, JOINT HEADWALL	LS	1
501.0001.4	CLASS A CONCRETE, CAST-IN-PLACE, OUTLET HEADWALL	LS	1
603.0001.1	CSP 66 INCH, ALUMINIZED 12 GAUGE MIN.	LS	1
603.0023.1	PIPE 66 INCH	LS	1
618.0005.1	SEEDING	LS	1
630.0001.1	GEOTEXTILE, SEPARATION, CLASS 3	SY	141
640.0001.1	MOBILIZATION AND DEMOBILIZATION	LS	1
642.0001.1	CONSTRUCTION SURVEY	LS	1
643.0002.1	TRAFFIC MAINTENANCE	LS	1
643.0023.1	TRAFFIC PRICE ADJUSTMENT	CS	ALL REQ'D
646.0001.1	CPM SCHEDULING	LS	1
647.0001.1	AS-BUILT RECORD DRAWINGS AND SPECIFICATIONS	LS	1
803.0002.2	TRACK REMOVAL	LS	1

TABLE OF ESTIMATING FACTORS	
ITEM DESCRIPTION	ESTIMATING FACTOR
SELECTED MATERIAL, TYPE A	135 LB/FT ³
RAILROAD BALLAST, TYPE 3	140 LB/FT ³
AGGREGATE BASE COURSE , GRADING C-1 (SUB-BALLAST)	144 LB/FT ³

SUMMARY OF ESTIMATED QUANTITIES PROVIDED BY ARRC		
ITEM DESCRIPTION	UNIT	QUANTITY
RAILROAD BALLAST, TYPE 3	TON	47
MISC. TRACK MATERIAL (TIE PLATES, ETC.)	CS	ALL REQ'D

1. ITEMS AND WORK QUANTITIES PROVIDED BY ARRC MAY BE CONTRACTOR PROVIDED, SEE CONTRACT DOCUMENTS.

TABLE OF ALTERNATE BID PAY ITEMS			
PAY ITEM	ITEM DESCRIPTION	PAY UNIT	QUANTITY
505.0005.3C	FURNISH STRUCTURAL STEEL PILES, 60"ø x 0.500't, UNCOATED (ALTERNATE C)	LF	150
602.0004.B	STRUCTURAL PLATE PIPE 66 INCH, 12 GA MIN., ALUMINIZED (ALTERNATE B)	LF	150
603.0009.A	CORRUGATED ALUMINUM PIPE 66 INCH, 12 GA MIN., (ALTERNATE A)	LF	150
802.0003.2	TRACK WORK, 115# RE RAIL	LS	1
802.0006.2	TRACK TAMPING, SURFACING, AND FINAL DRESSING	LS	1

ESTIMATED QUANTITIES		
ITEM DESCRIPTION	QUANTITY	UNITS
REMOVAL OF CULVERT PIPE	150	LF
UNCLASSIFIED EXCAVATION	797	CY
SELECTED MATERIAL, TYPE A	595	TON
SELECTED MATERIAL, TYPE C	1909	TON
AGGREGATE BASE COURSE, GRADING C-1 (SUB-BALLAST)	164	TON
RAILROAD BALLAST, TYPE 3	47	TON
CLASS A CONCRETE, CAST-IN-PLACE, JOINT HEADWALL	17	CY
CLASS A CONCRETE, CAST-IN-PLACE, OUTLET HEADWALL	12	CY
FURNISH REPLACEMENT PIPE	150	LF
SEEDING	225	LBS
GEOTEXTILE, SEPARATION, CLASS 3	141	SY

- AWARD OF ALTERNATE BID ITEMS ARE DEPENDENT ON OWNER FINANCES. THE SUCCESSFUL BIDDER WILL BE NOTIFIED OF THE OWNER'S INTENT TO AWARD ALTERNATE WORK PRIOR TO RECEIVING A CONTRACT OR NOTICE TO PROCEED (NTP).
- BID QUANTITIES ARE APPROXIMATE. CONTRACTOR IS RESPONSIBLE FOR THEIR OWN QUANTITY TAKE-OFFS USING THE INFORMATION WITHIN THE CONTRACT DOCUMENTS TO VERIFY THE QUANTITIES IN THE COST SCHEDULE.
- PAY ITEMS UNDER THE ALTERNATE BID REPLACE PAY ITEMS WITHIN THE BASE BID, SEE THE SPECIAL PROVISIONS FOR EACH SPECIFIC PAY ITEM.

ENGINEERING DEPARTMENT
 P.O. BOX 107500
 ANCHORAGE, ALASKA 99510-7500

PROJECT: MP 102.5 CULVERT REPLACEMENT
 SHEET TITLE: OPTION 2 - ESTIMATED QUANTITIES

AFE NO. _____
 YEAR 2025
 SHEET ___ OF ___

DRAWING LOCATION: P:\ENGINEERING\CULVERTS\CUL 102_50\EMERGENCY REPLACEMENT 2025\CUL 102.5.DWG
 DATE: 11/21/2025 8:47 AM
 SCALE: AS NOTED
 PUBLISHED CTB: -----