

MP 102.5 CULVERT REPLACEMENT

OPTION 1 - 28' CBD

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

ALASKA RAILROAD CORPORATION
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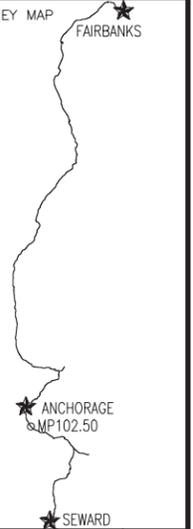


TABLE OF BASE BID PAY ITEMS			
PAY ITEM	ITEM DESCRIPTION	PAY UNIT	QUANTITY
202.0018.1	REMOVAL OF CULVERT PIPE	LS	1
203.0019.1	UNCLASSIFIED EXCAVATION	LS	1
203.0020.1	SELECTED MATERIAL, TYPE A	LS	1
301.0007.1	AGGREGATE BASE COURSE, GRADING C-1 (SUB-BALLAST)	LS	1
309.0003.1	RAILROAD BALLAST, TYPE 3	LS	1
501.0001.1	CLASS A CONCRETE, 12"Ø x 0.500't PILES	LS	1
501.0007.1	PRECAST CONCRETE MEMBER, DOUBLE ROW CAP	EA	2
501.0010.1	PRECAST CONCRETE MEMBERS, 28' CBD	LS	1
503.0001.1	REINFORCING STEEL, 12"Ø PILE CAGE	LS	1
504.0003.1	STRUCTURAL STEEL, SPRAY METALIZATION, 12"Ø PILES	LS	1
504.0003.2	STRUCTURAL STEEL, SPRAY METALIZATION, PS-31 90° PILES	LS	1
505.0006.1	DRIVE 12"Ø x 0.500't PIPE PILE	EA	12
505.0006.2	DRIVE 12"Ø x 0.500't PIPE PILE, BOLLARD	EA	2
505.0019.1	DRIVE STRUCTURAL STEEL PILES, PS-31 SHEETS	LS	1
611.0003.1	RIPRAP, CLASS II	LS	1
618.0005.1	SEEDING	LS	1
630.0001.1	GEOTEXTILE, SEPARATION, CLASS 3	SY	248
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
803.0002.1	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	34
7"x9"x8.5' TIMBER TRACK TIE	EA	40
7"x9"x10' TIMBER TRACK TIE	EA	20
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
203.0019.2D	UNCLASSIFIED EXCAVATION (ALTERNATE D)	LS	1
501.0001.2B	CLASS A CONCRETE, 16"Ø x 0.500't PILES	LS	1
501.0007.2B	PRECAST CONCRETE MEMBER, SINGLE ROW CAP	EA	2
503.0001.2B	REINFORCING STEEL, 16"Ø PILE CAGE	LS	1
504.0003.3B	STRUCTURAL STEE, SPRAY METALIZATION, 16"Ø PILES (ALTERNATE B)	LS	1
505.0005.1A	FURNISH STRUCTURAL STEEL PILES, 12"Ø x 0.500't, HOT-DIP GALVANIZED (ALTERNATE A)	LF	480
505.0005.2C	FURNISH STRUCTURAL STEEL PILES, 16"Ø x 0.500't, HOT-DIP GALVANIZED (ALTERNATE C)	LF	240
505.0006.3B	DRIVE 16"Ø x 0.500't PIPE PILE (ALTERNATE B)	EA	6
802.0003.1	TRACK WORK, 115# RE RAIL	LS	1
802.0006.1	TRACK TAMPING, SURFACING, AND FINAL DRESSING	LS	1

ESTIMATED QUANTITIES		
ITEM DESCRIPTION	QUANTITY	UNITS
REMOVAL OF CULVERT PIPE	93	LF
UNCLASSIFIED EXCAVATION	843	CY
SELECTED MATERIAL, TYPE A	8	TON
AGGREGATE BASE COURSE, GRADING C-1 (SUB-BALLAST)	21	TON
RAILROAD BALLAST, TYPE 3	34	TON
CLASS A CONCRETE, 12"Ø X 0.500't PILES	185	CY
CLASS A CONCRETE, 16"Ø X 0.500't PILES, ALTERNATE B	288	CY
OWNER FURNISHED STRUCTURAL STEEL PILES, 12"Ø x 0.500't	960	LF
OWNER FURNISHED STRUCTURAL STEEL PILES, 16"Ø x 0.500't, ALTERNATE B	680	LF
RIPRAP, CLASS II	248	CY
SEEDING	225	LBS
GEOTEXTILE, SEPARATION, CLASS 3	248	SY

1. CONTRACTOR FURNISHED PILE OF SPECIFIC DIAMETER WILL REPLACE OWNER FURNISHED PILE IN KIND.
 2. ESTIMATED PILE LENGTHS HAVE BEEN ROUNDED UP TO THE NEXT FULL 40' NOMINAL LENGTH.

- 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
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ALASKA
 RAILROAD

PROJECT: MP 102.5 CULVERT REPLACEMENT

SHEET TITLE: OPTION 1 - ESTIMATED QUANTITIES

AFE NO. _____

YEAR 2025

SHEET — OF —