

**COLUMBIA DEVELOPMENT AUTHORITY
INDUSTRIAL CONNECTOR ROAD
PRE-DESIGN REPORT
PRELIMINARY COST ESTIMATE**

Date: 12/11/2023

Full project from STA "L" 1+00 to 324+00, approx. 6.1 miles. Assumed Pavement Section 6" ACP over 12" Agg Base

NO.	DESCRIPTION	UNIT	UNIT PRICE	ESTIMATED QUANTITY	TOTAL PRICE
	Mobilization/Demobilization (Not to exceed 5% of the Schedule A Subtotal)	LS	\$ 600,000	All Req'd	\$ 600,000
	Temporary Protection and Direction of Traffic/Project Safety	LS	\$ 20,000	All Req'd	\$ 20,000
	Erosion and Sediment Control	LS	\$ 20,000	All Req'd	\$ 20,000
	Removal of Structures and Obstructions	LS	\$ 25,000	All Req'd	\$ 25,000
	Clearing and Grubbing	AC	\$ 1,500	40	\$ 60,000
	General Earthwork	CY	\$ 15	52,000	\$ 780,000
	Subgrade Geotextile	SY	\$ 1.00	187,000	\$ 187,000
	Aggregate Base	TON	\$ 40	130,000	\$ 5,200,000
	Asphalt Concrete Pavement	TON	\$ 100	46,000	\$ 4,600,000
	Extra for Access Road Connection	EA	\$ 15,000	5	\$ 75,000
	Extra for Railroad Crossings	EA	\$ 25,000	3	\$ 75,000
	Permanent Signing and Striping	LS	\$ 15,000	All Req'd	\$ 15,000
	Surface Restoration	LS	\$ 25,000	All Req'd	\$ 25,000
					\$ -
				Subtotal Construction Cost	\$ 11,682,000
				Construction Contingency (10%)	\$ 1,169,000
				Design Engineering	\$ 605,000
				Construction Engr/Contract Admin (8%)	\$ 935,000
				TOTAL ESTIMATED PROJECT COST (2024)	\$ 14,391,000

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Base Bid: Roadway from OMD Entrance east to Exit 10.

Sta. 228+00 thru 324+00

Assumed Pavement Section 6" ACP over 12" Agg Base

NO.	DESCRIPTION	UNIT	UNIT PRICE	ESTIMATED QUANTITY	TOTAL PRICE
	Mobilization/Demobilization (Not to exceed 5% of the Schedule A Subtotal)	LS	\$ 180,000	All Req'd	\$ 180,000
	Temporary Protection and Direction of Traffic/Project Safety	LS	\$ 15,000	All Req'd	\$ 15,000
	Erosion and Sediment Control	LS	\$ 10,000	All Req'd	\$ 10,000
	Removal of Structures and Obstructions	LS	\$ 10,000	All Req'd	\$ 10,000
	Roadway Section (Sta 228+00 thru 309+00)	LF	\$ 325	8,100	\$ 2,632,500
	Exit 10 Connection (Includes Roadway 309+00 -> 324+00)	LS	\$ 800,000	All Req'd	\$ 800,000
	Extra for Access Road Connection	EA	\$ 15,000	2	\$ 30,000
	Extra for Railroad Crossings	EA	\$ 25,000	-	\$ -
	Permanent Signing and Striping	LS	\$ 4,500	All Req'd	\$ 4,500
	Surface Restoration	LS	\$ 10,000	All Req'd	\$ 10,000
					\$ -
	Subtotal Construction Cost				\$ 3,692,000
	Construction Contingency (10%)				\$ 370,000
	Design Engineering				\$ 605,000
	Construction Engr/Contract Admin (8%)				\$ 296,000
	TOTAL ESTIMATED BASE BID COST (2024)				\$ 4,963,000

Additive 1: Roadway from OMD Entrance west to Morrow County Line.

Sta. 190+00 thru 228+00

Assumed Pavement Section 6" ACP over 12" Agg Base

NO.	DESCRIPTION	UNIT	UNIT PRICE	ESTIMATED QUANTITY	TOTAL PRICE
	Mobilization/Demobilization (Not to exceed 5% of the Schedule A Subtotal)	LS	\$ 70,000	All Req'd	\$ 70,000
	Temporary Protection and Direction of Traffic/Project Safety	LS	\$ 1,500	All Req'd	\$ 1,500
	Erosion and Sediment Control	LS	\$ 2,500	All Req'd	\$ 2,500
	Removal of Structures and Obstructions	LS	\$ 2,500	All Req'd	\$ 2,500
	Roadway Section (Sta 190+00 thru 228+00)	LF	\$ 325	3,800	\$ 1,235,000
	Extra for Access Road Connection	EA	\$ 15,000	-	\$ -
	Extra for Railroad Crossings	EA	\$ 25,000	-	\$ -
	Permanent Signing and Striping	LS	\$ 2,500	All Req'd	\$ 2,500
	Surface Restoration	LS	\$ 3,700	All Req'd	\$ 3,700
					\$ -
	Subtotal Construction Cost				\$ 1,317,700
	Construction Contingency (10%)				\$ 132,000
	Construction Engr/Contract Admin (8%)				\$ 106,000
	TOTAL ESTIMATED ADDITIVE NO. 1 COST (2024)				\$ 1,555,700
	TOTAL ESTIMATED BASE BID PLUS ADD. NO. 1 COST (2024)				\$ 6,518,700

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Additive 2: Roadway from Morrow County Line west to Juniper Rd (CDA Restricted Parcel)

Sta. 130+00 thru 190+00

Assumed Pavement Section 6" ACP over 12" Agg Base

NO.	DESCRIPTION	UNIT	UNIT PRICE	ESTIMATED QUANTITY	TOTAL PRICE
	Mobilization/Demobilization (Not to exceed 5% of the Schedule A Subtotal)	LS	\$ 112,000	All Req'd	\$ 112,000
	Temporary Protection and Direction of Traffic/Project Safety	LS	\$ 1,500	All Req'd	\$ 1,500
	Erosion and Sediment Control	LS	\$ 2,500	All Req'd	\$ 2,500
	Removal of Structures and Obstructions	LS	\$ 2,500	All Req'd	\$ 2,500
	Roadway Section (Sta 130+00 thru 190+00)	LF	\$ 325	6,000	\$ 1,950,000
	Extra for Access Road Connection	EA	\$ 15,000	1	\$ 15,000
	Extra for Railroad Crossings	EA	\$ 25,000	1	\$ 25,000
	Permanent Signing and Striping	LS	\$ 2,500	All Req'd	\$ 2,500
	Surface Restoration	LS	\$ 3,700	All Req'd	\$ 3,700
					\$ -
	Subtotal Construction Cost				\$ 2,114,700
	Construction Contingency (10%)				\$ 212,000
	Construction Engr/Contract Admin (8%)				\$ 170,000
	TOTAL ESTIMATED ADDITIVE NO. 2 COST (2024)				\$ 2,496,700
	TOTAL ESTIMATED BASE BID PLUS ADD. NO. 1 & 2 COST (2024)				\$ 9,015,400

Additive 3: Roadway from Juniper Rd west to A Ave. (CDA Unrestricted Parcel)

Sta. 60+00 thru 130+00

Assumed Pavement Section 6" ACP over 12" Agg Base

NO.	DESCRIPTION	UNIT	UNIT PRICE	ESTIMATED QUANTITY	TOTAL PRICE
	Mobilization/Demobilization (Not to exceed 5% of the Schedule A Subtotal)	LS	\$ 130,000	All Req'd	\$ 130,000
	Temporary Protection and Direction of Traffic/Project Safety	LS	\$ 1,000	All Req'd	\$ 1,000
	Erosion and Sediment Control	LS	\$ 1,000	All Req'd	\$ 1,000
	Removal of Structures and Obstructions	LS	\$ 2,500	All Req'd	\$ 2,500
	Roadway Section (Sta 60+00 thru 130+00)	LF	\$ 325	7,000	\$ 2,275,000
	Extra for Access Road Connection	EA	\$ 15,000	1	\$ 15,000
	Extra for Railroad Crossings	EA	\$ 25,000	1	\$ 25,000
	Permanent Signing and Striping	LS	\$ 2,500	All Req'd	\$ 2,500
	Surface Restoration	LS	\$ 3,700	All Req'd	\$ 3,700
					\$ -
	Subtotal Construction Cost				\$ 2,455,700
	Construction Contingency (10%)				\$ 246,000
	Construction Engr/Contract Admin (8%)				\$ 197,000
	TOTAL ESTIMATED ADDITIVE NO. 3 COST (2024)				\$ 2,898,700
	TOTAL ESTIMATED BASE BID PLUS ADD. NO. 1, 2 & 3 COST (2024)				\$ 11,914,100

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Additive 4: Roadway from A Ave. west to West Patrol Rd. (CDA Boundary)

Sta. 1+00 thru 60+00

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NO.	DESCRIPTION	UNIT	UNIT PRICE	ESTIMATED QUANTITY	TOTAL PRICE
	Mobilization/Demobilization (Not to exceed 5% of the Schedule A Subtotal)	LS	\$ 110,000	All Req'd	\$ 110,000
	Temporary Protection and Direction of Traffic/Project Safety	LS	\$ 1,000	All Req'd	\$ 1,000
	Erosion and Sediment Control	LS	\$ 2,500	All Req'd	\$ 2,500
	Removal of Structures and Obstructions	LS	\$ 2,500	All Req'd	\$ 2,500
	Roadway Section (Sta 1+00 thru 60+00)	LF	\$ 325	5,900	\$ 1,917,500
	Extra for Access Road Connection	EA	\$ 15,000	1	\$ 15,000
	Extra for Railroad Crossings	EA	\$ 25,000	1	\$ 25,000
	Permanent Signing and Striping	LS	\$ 2,500	All Req'd	\$ 2,500
	Surface Restoration	LS	\$ 3,700	All Req'd	\$ 3,700
					\$ -
				Subtotal Construction Cost	\$ 2,079,700
				Construction Contingency (10%)	\$ 208,000
				Construction Engr/Contract Admin (8%)	\$ 167,000
				TOTAL ESTIMATED ADDITIVE NO. 4 COST (2024)	\$ 2,454,700
				TOTAL ESTIMATED BASE BID PLUS ADD. NO. 1, 2, 3 & 4 COST (2024)	\$ 14,368,800