

McMinnville Municipal Airport  
Airport Layout Plan Report

**APPENDIX 2**

**Construction Cost Estimate**

CENTURY WEST ENGINEERING  
CONSTRUCTION COST ESTIMATE

CITY OF MCMINNVILLE

**MCMINNVILLE MUNICIPAL AIRPORT  
RUNWAY RECONSTRUCTION AND TAXIWAY CONSTRUCTION**

December, 2004

Bid Item	Description	Unit	Estimated Quantity	Unit Price	Total Cost
<b>RUNWAY 17-35 RECONSTRUCTION</b>					
1	Mobilization	LS	1	\$122,900.00	\$122,900.00
2	Temporary Flagging Marking and Signing	LS	1	\$10,000.00	\$10,000.00
3	Construction Staking	LS	1	\$20,000.00	\$20,000.00
4	Unclassified Excavation and Embankment	CY	27,000	\$5.00	\$135,000.00
5	Geotextile Fabric	SY	37,000	\$1.00	\$37,000.00
6	Subbase Course (Imported)	CY	18,000	\$30.00	\$540,000.00
7	Crushed Aggregate Base Course	TON	13,000	\$15.00	\$195,000.00
8	Crushed Aggregate Base Course (shoulder rock)	TON	2,500	\$15.00	\$37,500.00
9	Bituminous Surface Course	TON	4,600	\$50.00	\$230,000.00
10	Pavement Marking	SF	4,345	\$1.50	\$6,517.50
11	6-inch Polyethylene Drainage Tubing (Perforated)	LF	8,860	\$30.00	\$265,800.00
12	6-inch Polyethylene Drainage Tubing (Non-Perforated)	LF	2,000	\$30.00	\$60,000.00
13	Seeding	ACRE	8	\$1,500.00	\$12,000.00
ESTIMATED CONSTRUCTION COST (RUNWAY 17-35)					\$1,671,717.50
<b>PARTIAL PARALLEL TAXIWAY</b>					
1	Mobilization	LS	1	\$51,100.00	\$51,100.00
2	Temporary Flagging Marking and Signing	LS	1	\$10,000.00	\$10,000.00
3	Construction Staking	LS	1	\$15,000.00	\$15,000.00
4	Unclassified Excavation and Embankment	CY	9,000	\$5.00	\$45,000.00
5	Geotextile Fabric	SY	12,500	\$1.00	\$12,500.00
6	Subbase Course (Imported)	CY	6,000	\$30.00	\$180,000.00
7	Crushed Aggregate Base Course	TON	4,500	\$15.00	\$67,500.00
8	Crushed Aggregate Base Course (shoulder rock)	TON	1,700	\$15.00	\$25,500.00
9	Bituminous Surface Course	TON	1,600	\$50.00	\$80,000.00
10	Pavement Marking	SF	3,200	\$1.50	\$4,800.00
11	6-inch Polyethylene Drainage Tubing (Perforated)	LF	6,400	\$30.00	\$192,000.00
12	6-inch Polyethylene Drainage Tubing (Non-Perforated)	LF	200	\$30.00	\$6,000.00
13	Seeding	ACRE	4	\$1,500.00	\$5,250.00
14	Catch Basins	EA	32	\$1,000.00	\$32,000.00
15	Storm Drain Pipe	LF	4,000	\$50.00	\$200,000.00
ESTIMATED CONSTRUCTION COST (PARTIAL PARALLEL TAXIWAY)					\$926,650.00

Bid Item	Description	Unit	Estimated Quantity	Unit Price	Total Cost
INFIELD TAXIWAY					
1	Mobilization	LS	1	\$23,100.00	\$23,100.00
2	Temporary Flagging Marking and Signing	LS	1	\$10,000.00	\$10,000.00
3	Construction Staking	LS	1	\$10,000.00	\$10,000.00
4	Unclassified Excavation and Embankment	CY	4,000	\$5.00	\$20,000.00
5	Geotextile Fabric	SY	5,500	\$1.00	\$5,500.00
6	Subbase Course (Imported)	CY	2,700	\$30.00	\$81,000.00
7	Crushed Aggregate Base Course	TON	1,900	\$15.00	\$28,500.00
8	Crushed Aggregate Base Course (shoulder rock)	TON	800	\$15.00	\$12,000.00
9	Bituminous Surface Course	TON	650	\$50.00	\$32,500.00
10	Pavement Marking	SF	1,400	\$1.50	\$2,100.00
11	6-inch Polyethylene Drainage Tubing (Perforated)	LF	2,800	\$30.00	\$84,000.00
12	6-inch Polyethylene Drainage Tubing (Non-Perforated)	LF	100	\$30.00	\$3,000.00
13	Seeding	ACRE	2	\$1,500.00	\$2,250.00
14	Catch Basins	EA	14	\$1,000.00	\$14,000.00
15	Storm Drain Pipe	LF	1,000	\$50.00	\$50,000.00
ESTIMATED CONSTRUCTION COST (INFIELD TAXIWAY)					\$377,950.00
HANGAR AREA TAXIWAY					
1	Mobilization	LS	1	\$23,100.00	\$23,100.00
2	Temporary Flagging Marking and Signing	LS	1	\$10,000.00	\$10,000.00
3	Construction Staking	LS	1	\$10,000.00	\$10,000.00
4	Unclassified Excavation and Embankment	CY	4,000	\$5.00	\$20,000.00
5	Geotextile Fabric	SY	5,500	\$1.00	\$5,500.00
6	Subbase Course (Imported)	CY	2,700	\$30.00	\$81,000.00
7	Crushed Aggregate Base Course	TON	1,900	\$15.00	\$28,500.00
8	Crushed Aggregate Base Course (shoulder rock)	TON	800	\$15.00	\$12,000.00
9	Bituminous Surface Course	TON	650	\$50.00	\$32,500.00
10	Pavement Marking	SF	1,400	\$1.50	\$2,100.00
11	6-inch Polyethylene Drainage Tubing (Perforated)	LF	2,800	\$30.00	\$84,000.00
12	6-inch Polyethylene Drainage Tubing (Non-Perforated)	LF	100	\$30.00	\$3,000.00
13	Seeding	ACRE	2	\$1,500.00	\$2,250.00
14	Catch Basins	EA	14	\$1,000.00	\$14,000.00
15	Storm Drain Pipe	LF	1,000	\$50.00	\$50,000.00
16	Large Diameter Culvert	LF	200	\$200.00	\$40,000.00
17	Structural Fill/Embankment Construction	CY	20,000	\$5.00	\$100,000.00
ESTIMATED CONSTRUCTION COST (HANGAR AREA TAXIWAY)					\$517,950.00
TOTAL ESTIMATED CONSTRUCTION COST					\$3,494,267.50

Bid Item	Description	Unit	Estimated Quantity	Unit Price	Total Cost
<b>ENGINEERING AND ADMINISTRATIVE COSTS</b>					
	Environmental Review Work			\$50,000.00	
	Engineering Design Services			\$229,000.00	
	Engineering Construction Services			\$194,000.00	
	Sponsor Administration			\$15,000.00	
	Contingency for Repackage and Re-bid for Second Season Construction			\$50,000.00	
	Contingency for Second Season Construction Services			\$150,000.00	
	<b>TOTAL ENGINEERING/ADMINISTRATION COSTS</b>				<b>\$688,000.00</b>
	<b>TOTAL ESTIMATED PROJECT COST</b>				<b>\$4,182,267.50</b>