



# **APPENDIX E**

## **DETAILED COST ESTIMATES**

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<b>LOCATION: Southwest Oregon Regional Airport</b>	Reynolds, Smith and Hills, Inc.
<b>PROJECT DESCRIPTION:</b> Airport Master Plan Order of Magnitude Cost Estimates	Prepared By: CAS RS&H Project No.
	<u>Project Number</u>

<b>Airport Corporate Hangar "CCAD"</b>	1
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WORK ITEM DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	AMOUNT
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<p>The total project cost, provided by the Airport, is estimated to be <b>\$2,900,000</b>.</p>
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<b>LOCATION: Southwest Oregon Regional Airport</b>				Reynolds, Smith and Hills, Inc. Prepared By: CAS RS&H Project No.
<b>PROJECT DESCRIPTION:</b> Airport Master Plan Order of Magnitude Cost Estimates				<u>Project Number</u>
<b>Runway 4-22 Environmental Assessment</b>				2
WORK ITEM DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	AMOUNT
EA	LSUM	1	\$480,000.00	\$480,000.00
LUMP SUM ITEMS SUBTOTAL				\$480,000.00
SUBTOTAL				\$480,000.00
			Planning	\$480,000.00
			<b>TOTAL</b>	<b>\$480,000</b>

<b>LOCATION: Southwest Oregon Regional Airport</b>				Reynolds, Smith and Hills, Inc. Prepared By: CAS RS&H Project No.
<b>PROJECT DESCRIPTION:</b> Airport Master Plan Order of Magnitude Cost Estimates				<b>Project Number</b>
<b>Full Airport Boundary Survey</b>				3
WORK ITEM DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	AMOUNT
Airport Boundary Survey	LSUM	1	\$250,000.00	\$250,000.00
LUMP SUM ITEMS SUBTOTAL				\$250,000.00
20% PLANNING CONTINGENCY				\$50,000.00
SUBTOTAL				\$300,000.00
Construction				\$300,000.00
Design/ CA/RPR				\$30,000.00
<b>TOTAL</b>				<b>\$330,000</b>

Summary Description	OTH ARFF Truck		
	QTY	Cost	Estimated Cost
Index A ARFF Truck	1		\$200,000
<b>TOTAL</b>			<b>\$200,000</b>
Contingency @ 10%			\$20,000
<b>TOTAL (HIGH RANGE)</b>			<b>\$220,000</b>
<b>TOTAL (LOW RANGE)</b>			<b>\$176,000</b>

<b>LOCATION: Southwest Oregon Regional Airport</b>				Reynolds, Smith and Hills, Inc. Prepared By: CAS RS&H Project No.
<b>PROJECT DESCRIPTION:</b> Airport Master Plan Order of Magnitude Cost Estimates				<b>Project Number</b>
<b>Runway 4-22 Extension 400' Phase 1: Design</b>				5
WORK ITEM DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	AMOUNT
<b>Design</b>				
5.2 - RWY 22 RSA Fill	LSUM	1	\$33,000.00	\$33,000.00
5.3 - RWY 4 RSA Fill	LSUM	1	\$1,327,000.00	\$1,327,000.00
5.4 -RWY and TWY Construction	LSUM	1	\$292,000.00	\$292,000.00
<b>Environmental</b>				
Environmental Study	LSUM	0	-	-
Environmental Permitting	LSUM	1	\$250,000.00	\$250,000.00
Environmental Mitigation	LSUM	1	\$1,000,000.00	\$1,000,000.00
ENVIRONMENTAL SUBTOTAL				\$1,250,000.00
<b>DESIGN SUBTOTAL</b>				<b>\$1,652,000.00</b>
SUBTOTAL				\$2,902,000.00
Construction				\$2,902,000.00
Design/ CA/RPR				
<b>TOTAL</b>				<b>\$2,902,000</b>

<b>LOCATION: Southwest Oregon Regional Airport</b>				Reynolds, Smith and Hills, Inc.
<b>PROJECT DESCRIPTION:</b>				Prepared By: CAS
Airport Master Plan				RS&H Project No.
Order of Magnitude Cost Estimates				<b>Project Number</b>
<b>Runway 4-22 Extension 400' Phase 2: RWY 22 RSA Fill</b>				<b>6</b>
WORK ITEM DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	AMOUNT
Mobilization & General Conditions	LSUM	1	\$16,825.76	\$16,825.76
Safety and Security	LSUM	1	\$50,000.00	\$50,000.00
Project Survey and Stakeout	LSUM	1	\$9,464.49	\$9,464.49
Temporary Construction Items	LSUM	1	\$4,206.44	\$4,206.44
Erosion and Sedimentation Control	LSUM	1	\$100,000.00	\$100,000.00
		<b>LUMP SUM</b>		<b>\$180,496.69</b>
<b>Earthwork</b>				
Unclassified Excavation	CY	2,600	\$10.38	\$26,988.00
In-Water Fill	CY	5,200	\$25.47	\$132,444.00
Grading	SF	23,390.0	\$1.00	\$23,390.00
Shoreline Protection	LF	550	\$50.00	\$27,500.00
<b>CONSTRUCTION SUBTOTAL</b>				<b>\$210,322.00</b>
LUMP SUM ITEMS SUBTOTAL				\$180,496.69
20% PLANNING CONTINGENCY				\$42,064.40
SUBTOTAL				\$432,883.09
			Construction	\$433,000.00
			CA/RPR	\$33,000.00
			<b>TOTAL</b>	<b>\$466,000</b>



<b>LOCATION: Southwest Oregon Regional Airport</b>				Reynolds, Smith and Hills, Inc. Prepared By: CAS RS&H Project No.
<b>PROJECT DESCRIPTION:</b> Airport Master Plan Order of Magnitude Cost Estimates				<b>Project Number</b>  7
<b>Runway 4-22 Extension 400' Phase 3: RWY 4 RSA Fill</b>				7
WORK ITEM DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	AMOUNT
Mobilization & General Conditions	LSUM	1	\$1,045,699.42	\$1,045,699.42
Safety and Security	LSUM	1	\$100,000.00	\$100,000.00
Project Survey and Stakeout	LSUM	1	\$588,205.92	\$588,205.92
Temporary Construction Items	LSUM	1	\$261,424.85	\$261,424.85
		LUMP SUM		\$1,995,330.19
<b>Earthwork</b>				
Excavation	CYD	95,646	\$20.76	\$1,985,602.66
In Water Fill	CYD	286,937	\$36.55	\$10,487,540.04
Erosion and Sedimentation Control	LSUM	1	\$500,000.00	\$500,000.00
Shoreline Protection	LF	1,962	\$50.00	\$98,100.00
<b>Site Restoration</b>				
Seeding	ACRE	12.80	\$2,100.00	\$26,880.00
Topsoil	CYD	9,565	\$19.00	\$181,735.00
<b>CONSTRUCTION SUBTOTAL</b>				<b>\$13,071,242.70</b>
LUMP SUM ITEMS SUBTOTAL				\$1,995,330.19
20% PLANNING CONTINGENCY				\$2,614,248.54
SUBTOTAL				\$17,680,821.43
Construction				\$17,681,000.00
CA/RPR				\$1,327,000.00
<b>TOTAL</b>				<b>\$19,008,000</b>

<b>LOCATION: Southwest Oregon Regional Airport</b>				Reynolds, Smith and Hills, Inc. Prepared By: CAS RS&H Project No.
<b>PROJECT DESCRIPTION:</b> Airport Master Plan Order of Magnitude Cost Estimates				<b>Project Number</b>
<b>Runway 4-22 Extension 400' Phase 4: RW Y and TWY 4 Construction</b>				8
WORK ITEM DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	AMOUNT
Mobilization & General Conditions	LSUM	1	\$234,900.49	\$234,900.49
Safety and Security	LSUM	1	\$100,000.00	\$100,000.00
Engineer's Field Office	LSUM	1	\$100,000.00	\$100,000.00
Project Survey and Stakeout	LSUM	1	\$102,600.21	\$102,600.21
Temporary Construction Items	LSUM	1	\$54,000.11	\$54,000.11
Flight Check	LSUM	1	\$50,000.00	\$50,000.00
		LUMP SUM	SUBTOTAL	\$641,500.81
<b>Paving</b>				
P-401 HMA (RWY 4)	TON	4,727	\$115.00	\$543,605.00
P-209 Aggregate (RWY 4)	CYD	3,524	\$36.55	\$128,802.20
P-401 HMA (TAXIWAY)	TON	3,656	\$115.00	\$420,440.00
P-209 Aggregate (TAXIWAY)	CYD	2,725	\$36.55	\$99,598.75
Bituminous Runway Pavement Grooving	SYD	5,633	\$1.06	\$5,971.33
Runway and Taxiway Painting with Reflective Beads	SFT	18,190	\$1.60	\$29,104.00
Runway Electrical	LF	800	\$400.00	\$320,000.00
<b>Site Restoration</b>				
Seeding	ACRE	12.80	\$2,100.00	\$26,880.00
Topsoil	CYD	3,342	\$19.00	\$63,504.33
<b>Alternatives</b>				
Airfield Lighting/Signage	1000'	1	\$62,100.00	\$62,100.00
Relocate Glideslope/Localizer	ALLOW	1	\$1,000,000.00	\$1,000,000.00
<b>CONSTRUCTION SUBTOTAL</b>				<b>\$2,700,005.62</b>
LUMP SUM ITEMS SUBTOTAL				\$641,500.81
20% PLANNING CONTINGENCY				\$540,001.12
SUBTOTAL				\$3,881,507.55
Construction				\$3,882,000.00
CA/RPR				\$292,000.00
<b>TOTAL</b>				<b>\$4,200,000</b>



<b>LOCATION: Southwest Oregon Regional Airport</b>				Reynolds, Smith and Hills, Inc.
<b>PROJECT DESCRIPTION:</b> Airport Master Plan Order of Magnitude Cost Estimates				Prepared By: CAS RS&H Project No.
				<u>Project Number</u>
<b>Runway 4 Visual Aid</b>				10
WORK ITEM DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	AMOUNT
<p>The total project cost, provided by the Airport, is estimated to be <b>\$120,000.</b></p>				







Southwest Oregon Regional  
Airport Master Plan

<b>LOCATION: Southwest Oregon Regional Airport</b>				Reynolds, Smith and Hills, Inc. Prepared By: CAS RS&H Project No.
<b>PROJECT DESCRIPTION:</b> Airport Master Plan Order of Magnitude Cost Estimates				<b>Project Number</b> 14
<b>Replacement ARFF Station</b>				14
WORK ITEM DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	AMOUNT
Mobilization & General Conditions	LSUM	1	\$337,064.00	\$337,064.00
Safety and Security	LSUM	1	\$25,000.00	\$25,000.00
Project Survey and Stakeout	LSUM	1	\$189,598.50	\$189,598.50
Temporary Construction Items	LSUM	1	\$84,266.00	\$84,266.00
		LUMP SUM		\$635,928.50
<b>Utilities</b>	LF	3,076	-	
Waterline	LF	3,076	\$80.00	\$246,080.00
Electrical	LF	3,076	\$25.00	\$76,900.00
Sewer	LF	3,076	\$70.00	\$215,320.00
<b>Site Work</b>				
Building Grading	SF	7,500	\$3.00	\$22,500.00
Road & Parking Grading	SF	30,500	\$1.00	\$30,500.00
<b>Paving</b>				
Access Road	SF	30,500	\$4.00	\$122,000.00
<b>Structures</b>				
Building				\$3,500,000.00
<b>Allowances</b>				
Erosion Control	LSUM	1	\$100,000.00	\$100,000.00
<b>CONSTRUCTION SUBTOTAL</b>				<b>\$4,213,300.00</b>
LUMP SUM ITEMS SUBTOTAL				\$735,928.50
20% PLANNING CONTINGENCY				\$842,660.00
SUBTOTAL				\$5,791,888.50
Construction				\$5,792,000.00
Design/ CA/RPR				\$869,000.00
<b>TOTAL</b>				<b>\$6,661,000</b>



Southwest Oregon Regional  
Airport Master Plan

Summary Description	OTH ARFF Estimate							
	UNIT	UNIT COST	UNIT COST	QTY	Calculated	Calculated	Average	Estimated
		FROM SGU	FROM EUG		UNIT COST (SGU + 10% INFLATION)	UNIT COST (EUG + 10% INFLATION)	Cost per Square Foot	Cost
Foundations	SF	\$3.69	\$5.70	11600	\$4.06	\$6.27	\$5.16	\$59,908.20
Substructure	SF	\$3.27	\$7.37	11600	\$3.60	\$8.11	\$5.85	\$67,883
Superstructure	SF	\$35.80	\$45.69	11600	\$39.38	\$50.26	\$44.82	\$519,906
Exterior Closure	SF	\$38.54	\$58.28	11600	\$42.39	\$64.11	\$53.25	\$617,712
Roofing	SF	\$12.50	\$18.58	11600	\$13.75	\$20.44	\$17.09	\$198,290
Interior Construction	SF	\$15.30	\$22.83	11600	\$16.83	\$25.11	\$20.97	\$243,269
Interior Finishes	SF	\$20.46	\$23.46	11600	\$22.51	\$25.81	\$24.16	\$280,210
Mechanical	SF	\$29.75	\$47.56	11600	\$32.73	\$52.32	\$42.52	\$493,238
Electrical	SF	\$26.20	\$34.81	11600	\$28.82	\$38.29	\$33.56	\$389,244
Security	SF	\$10.70	\$15.89	11600	\$11.77	\$17.48	\$14.62	\$169,644
<b>TOTAL</b>		\$196.21	\$280.17	11600	\$215.83	\$308.19	\$262.01	<b>\$3,039,304.40</b>
Design/Construction Services @ 20%								\$607,861
Contingency @ 10%								\$303,930
General Conditions @ 7%								\$234,026
Profit & Overhead @ 5%								\$209,256
<b>TOTAL (HIGH RANGE)</b>								<b>\$4,394,378</b>
<b>TOTAL (LOW RANGE)</b>								<b>\$2,935,445</b>
								\$3,664,911

Southwest Oregon Regional  
Airport Master Plan

<b>LOCATION: Southwest Oregon Regional Airport</b>				Reynolds, Smith and Hills, Inc.
<b>PROJECT DESCRIPTION:</b> Airport Master Plan Order of Magnitude Cost Estimates				Prepared By: CAS RS&H Project No.
				<b>Project Number</b>
<b>Aircraft Wash Area</b>				15
WORK ITEM DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	AMOUNT
Mobilization & General Conditions	LSUM	1	\$4,324.00	\$4,324.00
Safety and Security	LSUM	1	\$15,000.00	\$15,000.00
Project Survey and Stakeout	LSUM	1	\$2,432.25	\$2,432.25
Temporary Construction Items	LSUM	1	\$1,081.00	\$1,081.00
		LUMP SUM		\$22,837.25
<b>Paving</b>				
Aircraft Wash Pad	SY	278	\$100.00	\$27,800.00
<b>Utilities</b>				
Water Line	LF	175	\$80.00	\$14,000.00
Sewer	LF	175	\$70.00	\$12,250.00
<b>Alternative</b>				
Fuel Seal	SY	278	\$62.50	\$17,375.00
<b>Allowances</b>				
Erosion Control	LSUM	1	\$50,000.00	\$50,000.00
Drainage	LSUM	1	\$50,000.00	\$50,000.00
Oil-Water Separator	LSUM	1	\$15,000.00	\$15,000.00
<b>CONSTRUCTION SUBTOTAL</b>				<b>\$54,050.00</b>
LUMP SUM ITEMS SUBTOTAL				\$137,837.25
20% PLANNING CONTINGENCY				\$10,810.00
SUBTOTAL				\$202,697.25
				Construction
				\$203,000.00
				Design/ CA/RPR
				\$31,000.00
<b>TOTAL</b>				<b>\$234,000</b>

Southwest Oregon Regional  
Airport Master Plan

<b>LOCATION: Southwest Oregon Regional Airport</b>				Reynolds, Smith and Hills, Inc.
<b>PROJECT DESCRIPTION:</b> Airport Master Plan Order of Magnitude Cost Estimates				Prepared By: CAS RS&H Project No.
				<u>Project Number</u>
<b>Taxiway C and D Shoulders</b>				16
WORK ITEM DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	AMOUNT
Mobilization & General Conditions	LSUM	1	\$166,490.40	\$166,490.40
Safety and Security	LSUM	1	\$25,000.00	\$25,000.00
Project Survey and Stakeout	LSUM	1	\$93,650.85	\$93,650.85
Temporary Construction Items	LSUM	1	\$41,622.60	\$41,622.60
		LUMP SUM		\$326,763.85
Taxiway C Shoulder	SY	31,740	\$37.80	\$1,199,772.00
Shoulder Grading	LF	14,283	\$1.00	\$14,283.00
Reinstall Taxiway Edgelights	EA	600	\$850.00	\$510,000.00
Airfield Eletrical Work	LF	14,283	\$25.00	\$357,075.00
<b>CONSTRUCTION SUBTOTAL</b>				<b>\$2,081,130.00</b>
LUMP SUM ITEMS SUBTOTAL				\$326,763.85
20% PLANNING CONTINGENCY				\$416,226.00
SUBTOTAL				\$2,824,119.85
			Construction	\$2,825,000.00
			Design/ CA/RPR	\$424,000.00
			<b>TOTAL</b>	<b>\$3,300,000</b>

Southwest Oregon Regional  
Airport Master Plan

<b>LOCATION: Southwest Oregon Regional Airport</b>				Reynolds, Smith and Hills, Inc. Prepared By: CAS RS&H Project No.
<b>PROJECT DESCRIPTION:</b> Airport Master Plan Order of Magnitude Cost Estimates				<b>Project Number</b>
<b>Taxiway A Shoulders</b>				17
WORK ITEM DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	AMOUNT
Mobilization & General Conditions	LSUM	1	\$105,366.24	\$105,366.24
Safety and Security	LSUM	1	\$25,000.00	\$25,000.00
Project Survey and Stakeout	LSUM	1	\$59,268.51	\$59,268.51
Temporary Construction Items	LSUM	1	\$26,341.56	\$26,341.56
		LUMP SUM		\$215,976.31
<b>Earthwork</b>				
Taxiway A Shoulder	SY	19,740	\$37.80	\$746,172.00
Shoulder Grading	LF	8,881	\$1.00	\$8,881.00
<b>Electrical</b>				
Reinstall Taxiway Edge Lights	EA	400	\$850.00	\$340,000.00
Airfield Eletrical Work	LF	8,881	\$25.00	\$222,025.00
<b>CONSTRUCTION SUBTOTAL</b>				<b>\$1,317,078.00</b>
LUMP SUM ITEMS SUBTOTAL				\$215,976.31
20% PLANNING CONTINGENCY				\$263,415.60
SUBTOTAL				\$1,796,469.91
Construction				\$1,797,000.00
Design/ CA/RPR				\$270,000.00
<b>TOTAL</b>				<b>\$2,067,000</b>

Southwest Oregon Regional  
Airport Master Plan

<b>LOCATION: Southwest Oregon Regional Airport</b>				Reynolds, Smith and Hills, Inc. Prepared By: CAS RS&H Project No.
<b>PROJECT DESCRIPTION:</b> Airport Master Plan Order of Magnitude Cost Estimates				<u>Project Number</u> 18
<b>Taxiway A2</b>				18
WORK ITEM DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	AMOUNT
Mobilization & General Conditions	LSUM	1	\$28,684.26	\$28,684.26
Safety and Security	LSUM	1	\$25,000.00	\$25,000.00
Project Survey and Stakeout	LSUM	1	\$16,134.90	\$16,134.90
Temporary Construction Items	LSUM	1	\$7,171.07	\$7,171.07
		LUMP SUM		\$76,990.23
<b>Paving</b>				
Pavement Removal	SY	3,240	\$4.16	\$13,478.40
Pavement Marking Removal	SF	1,000	\$2.00	\$2,000.00
Taxiway Edge Marking	SF	1,000	\$2.00	\$2,000.00
P-401 HMA (TAXIWAY)	TON	2,195	\$115.00	\$252,425.00
P-209 Aggregate (TAXIWAY)	CYD	1,620	\$36.55	\$59,211.00
<b>Electrical</b>				
Reinstall Taxiway Edge Lights	EA	16	\$850.00	\$13,600.00
Airfield Electrical	LF	550	\$25.00	\$13,750.00
<b>Site Restoration</b>				
Seeding	AC	0.67	\$2,100.00	\$1,404.90
Topsoil	CY	36	\$19.00	\$684.00
<b>Allowances</b>				
Drainage	LSUM	1	\$75,000.00	\$75,000.00
Utility	LSUM	1	\$50,000.00	\$50,000.00
<b>CONSTRUCTION SUBTOTAL</b>				<b>\$358,553.30</b>
LUMP SUM ITEMS SUBTOTAL				\$201,990.23
20% PLANNING CONTINGENCY				\$71,710.66
SUBTOTAL				\$632,254.19
Construction				\$633,000.00
Design/ CA/RPR				\$95,000.00
<b>TOTAL</b>				<b>\$728,000</b>

<b>LOCATION: Southwest Oregon Regional Airport</b>				Reynolds, Smith and Hills, Inc.
<b>PROJECT DESCRIPTION:</b>				Prepared By: CAS
Airport Master Plan				RS&H Project No.
Order of Magnitude Cost Estimates				<u>Project Number</u>
<b>Runway 13 Visual Aid</b>				19
WORK ITEM DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	AMOUNT
Mobilization & General Conditions	LSUM	1	\$13,350.00	\$13,350.00
Safety and Security	LSUM	1	\$25,000.00	\$25,000.00
Project Survey and Stakeout	LSUM	1	\$7,509.38	\$7,509.38
Temporary Construction Items	LSUM	1	\$3,337.50	\$3,337.50
		LUMP SUM		\$49,196.88
<b>Electrical</b>				
Airfield Electrical Work	LF	675	\$25.00	\$16,875.00
Removal of VASI system	EA	2	\$25,000.00	\$50,000.00
PAPI System	EA	1	\$100,000.00	\$100,000.00
<b>CONSTRUCTION SUBTOTAL</b>				<b>\$166,875.00</b>
LUMP SUM ITEMS SUBTOTAL				\$49,196.88
20% PLANNING CONTINGENCY				\$33,375.00
SUBTOTAL				\$249,446.88
Construction				\$250,000.00
Design/ CA/RPR				\$38,000.00
<b>TOTAL</b>				<b>\$288,000</b>

Southwest Oregon Regional  
Airport Master Plan

<b>LOCATION: Southwest Oregon Regional Airport</b>				Reynolds, Smith and Hills, Inc. Prepared By: CAS RS&H Project No.
<b>PROJECT DESCRIPTION:</b> Airport Master Plan Order of Magnitude Cost Estimates				<b>Project Number</b> 20
<b>Taxiway K Visual Aid</b>				20
WORK ITEM DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	AMOUNT
Mobilization & General Conditions	LSUM	1	\$2,440.00	\$2,440.00
Safety and Security	LSUM	1	\$25,000.00	\$25,000.00
Project Survey and Stakeout	LSUM	1	\$1,372.50	\$1,372.50
Temporary Construction Items	LSUM	1	\$610.00	\$610.00
		LUMP SUM		\$29,422.50
<b>Electrical</b>				
L-861 Medium Intensity Elevated Edge Light	EA	20	\$775.00	\$15,500.00
Airfield Electrical	LF	600	\$25.00	\$15,000.00
<b>CONSTRUCTION SUBTOTAL</b>				<b>\$30,500.00</b>
LUMP SUM ITEMS SUBTOTAL				\$29,422.50
20% PLANNING CONTINGENCY				\$6,100.00
SUBTOTAL				\$66,022.50
				Construction \$67,000.00
				Design/ CA/RPR \$11,000.00
<b>TOTAL</b>				<b>\$78,000</b>

Summary Description	OTH ARFF Truck		
	QTY	Cost SGU Truck*	Estimated Cost
Oshkosh Striker 1500	1	\$750,000.00	\$900,000
<b>TOTAL</b>			<b>\$900,000.00</b>
Contingency @ 10%			\$90,000
<b>TOTAL (HIGH RANGE)</b>			<b>\$990,000</b>
<b>TOTAL (LOW RANGE)</b>			<b>\$792,000</b>

\* This is the estimated cost of a base Striker 1500 without specialty equipment. A Striker 1500 type apparatus should be adequate for the needs of OTH. Costs should be verified with a dealer



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<b>LOCATION: Southwest Oregon Regional Airport</b>				Reynolds, Smith and Hills, Inc. Prepared By: CAS RS&H Project No.
<b>PROJECT DESCRIPTION:</b> Airport Master Plan Order of Magnitude Cost Estimates				<b>Project Number</b>  22
<b>Aircraft Apron Expansion Phase I</b>				22
WORK ITEM DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	AMOUNT
Mobilization & General Conditions	LSUM	1	\$73,902.00	\$73,902.00
Safety and Security	LSUM	1	\$25,000.00	\$25,000.00
Project Survey and Stakeout	LSUM	1	\$41,569.88	\$41,569.88
Temporary Construction Items	LSUM	1	\$18,475.50	\$18,475.50
		LUMP SUM		\$158,947.38
<b>Paving</b>				
Aircraft Apron	SY	18,333	\$50.00	\$916,650.00
Pavement Markings	SF	2,000.00	\$2.00	\$4,000.00
Tie-Downs	EA	10	\$312.50	\$3,125.00
<b>Allowances</b>				
Erosion Control	LSUM	1	\$50,000.00	\$50,000.00
Drainage	LSUM	1	\$100,000.00	\$100,000.00
<b>CONSTRUCTION SUBTOTAL</b>				<b>\$923,775.00</b>
LUMP SUM ITEMS SUBTOTAL				\$308,947.38
20% PLANNING CONTINGENCY				\$184,755.00
SUBTOTAL				\$1,417,477.38
				Construction \$1,418,000.00
				Design/ CA/RPR \$213,000.00
				<b>TOTAL \$1,631,000</b>

<b>LOCATION: Southwest Oregon Regional Airport</b>				Reynolds, Smith and Hills, Inc. Prepared By: CAS RS&H Project No.
<b>PROJECT DESCRIPTION:</b> Airport Master Plan Order of Magnitude Cost Estimates				<b>Project Number</b> 23
<b>Vehicle Access</b>				23
WORK ITEM DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	AMOUNT
Mobilization & General Conditions	LSUM	1	\$37,044.00	\$37,044.00
Safety and Security	LSUM	1	\$25,000.00	\$25,000.00
Project Survey and Stakeout	LSUM	1	\$20,837.25	\$20,837.25
Temporary Construction Items	LSUM	1	\$9,261.00	\$9,261.00
		LUMP SUM		\$92,142.25
<b>Paving</b>				
Vehicle Road	LF	1,800.00	\$250.00	\$450,000.00
<b>Site Restoration</b>				
Sod	SY	2,400	\$5.00	\$12,000.00
Seeding	AC	0.50	\$2,100.00	\$1,050.00
<b>Allowances</b>				
Erosion Control	LSUM	1	\$50,000.00	\$50,000.00
Drainage	LSUM	1	\$50,000.00	\$50,000.00
<b>CONSTRUCTION SUBTOTAL</b>				<b>\$463,050.00</b>
LUMP SUM ITEMS SUBTOTAL				\$192,142.25
20% PLANNING CONTINGENCY				\$92,610.00
SUBTOTAL				\$747,802.25
Construction				\$748,000.00
Design/ CA/RPR				\$113,000.00
<b>TOTAL</b>				<b>\$861,000</b>

<b>LOCATION: Southwest Oregon Regional Airport</b>				Reynolds, Smith and Hills, Inc.
<b>PROJECT DESCRIPTION:</b> Airport Master Plan Order of Magnitude Cost Estimates				Prepared By: CAS RS&H Project No.
				<u>Project Number</u>
<b>Demolition of ARFF</b>				24
WORK ITEM DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	AMOUNT
Mobilization & General Conditions	LSUM	1	\$15,110.85	\$15,110.85
Safety and Security	LSUM	1	\$25,000.00	\$25,000.00
Project Survey and Stakeout	LSUM	1	\$8,499.85	\$8,499.85
Temporary Construction Items	LSUM	1	\$3,777.71	\$3,777.71
		LUMP SUM		\$52,388.41
<b>Structures</b>				
Removal of Existing Building	SF	4,632.00	\$40.00	\$185,280.00
<b>Site Restoration</b>				
Seeding	AC	0.32	\$2,100.00	\$672.00
Top Soil	CY	154	\$19.00	\$2,933.60
<b>Allowances</b>				
Erosion Control	LSUM	1	\$50,000.00	\$50,000.00
<b>CONSTRUCTION SUBTOTAL</b>				<b>\$188,885.60</b>
LUMP SUM ITEMS SUBTOTAL				\$102,388.41
20% PLANNING CONTINGENCY				\$37,777.12
SUBTOTAL				\$329,051.13
				Construction
				\$330,000.00
				Design/ CA/RPR
				\$50,000.00
<b>TOTAL</b>				<b>\$380,000</b>

<b>LOCATION: Southwest Oregon Regional Airport</b>				Reynolds, Smith and Hills, Inc. Prepared By: CAS RS&H Project No.
<b>PROJECT DESCRIPTION:</b> Airport Master Plan Order of Magnitude Cost Estimates				<b>Project Number</b> 25
<b>Demolition of America Legion Building</b>				25
WORK ITEM DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	AMOUNT
Mobilization & General Conditions	LSUM	1	\$17,840.24	\$17,840.24
Safety and Security	LSUM	1	\$25,000.00	\$25,000.00
Project Survey and Stakeout	LSUM	1	\$10,035.14	\$10,035.14
Temporary Construction Items	LSUM	1	\$4,460.06	\$4,460.06
		LUMP SUM		\$57,335.44
<b>Structures</b>				
Removal of Existing Building	SF	7,260	\$30.00	\$217,800.00
<b>Site Restoration</b>				
Seeding	AC	0.46	\$2,100.00	\$966.00
Topsoil	CY	223	\$19.00	\$4,237.00
<b>Allowances</b>				
Erosion Control	LSUM	1	\$25,000.00	\$25,000.00
<b>CONSTRUCTION SUBTOTAL</b>				<b>\$223,003.00</b>
LUMP SUM ITEMS SUBTOTAL				\$82,335.44
20% PLANNING CONTINGENCY				\$44,600.60
SUBTOTAL				\$349,939.04
				Construction
				Design/ CA/RPR
				<b>TOTAL</b>
				\$350,000.00
				\$53,000.00
				<b>\$403,000</b>

Southwest Oregon Regional  
Airport Master Plan

Summary Description	UNIT	OTH Maintenance Facility		QTY	Calculated		Average Cost per Square Foot	Estimated Cost
		UNIT COST FROM SGU	UNIT COST FROM EUG		UNIT COST (SGU + 10% INFLATION)	UNIT COST (EUG + 10% INFLATION)		
		Foundations	SF		\$3.69	\$5.70		
Substructure	SF	\$3.27	\$7.37	16000	\$3.60	\$8.11	\$5.85	\$93,632
Superstructure	SF	\$35.80	\$45.69	16000	\$39.38	\$50.26	\$44.82	\$717,112
Exterior Closure	SF	\$38.54	\$58.28	16000	\$42.39	\$64.11	\$53.25	\$852,016
Roofing	SF	\$12.50	\$18.58	16000	\$13.75	\$20.44	\$17.09	\$273,504
Interior Construction	SF	\$15.30	\$22.83	16000	\$16.83	\$25.11	\$20.97	\$335,544
Interior Finishes	SF	\$20.46	\$23.46	16000	\$22.51	\$25.81	\$24.16	\$386,496
Mechanical	SF	\$29.75	\$47.56	16000	\$32.73	\$52.32	\$42.52	\$680,328
Electrical	SF	\$26.20	\$34.81	16000	\$28.82	\$38.29	\$33.56	\$536,888
Security	SF	\$10.70	\$15.89	16000	\$11.77	\$17.48	\$14.62	\$233,992
<b>TOTAL</b>		\$196.21	\$280.17	16000	\$215.83	\$308.19	\$262.01	<b>\$4,192,144.00</b>
Design/Construction Services @ 20%								\$838,429
Contingency @ 10%								\$419,214
General Conditions @ 7%								\$322,795
Profit & Overhead @ 5%								\$288,629
<b>TOTAL (HIGH RANGE)</b>								<b>\$6,061,211</b>
<b>TOTAL (LOW RANGE)</b>								<b>\$4,048,889</b>
								<b>\$6,000,000</b>

<b>LOCATION: Southwest Oregon Regional Airport</b>				Reynolds, Smith and Hills, Inc.
<b>PROJECT DESCRIPTION:</b>				Prepared By: CAS
Airport Master Plan				RS&H Project No.
Order of Magnitude Cost Estimates				<u>Project Number</u>
<b>Demolition of Airport Maintenance Shop</b>				27
WORK ITEM DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	AMOUNT
Mobilization & General Conditions	LSUM	1	\$34,137.39	\$34,137.39
Safety and Security	LSUM	1	\$25,000.00	\$25,000.00
Project Survey and Stakeout	LSUM	1	\$19,202.28	\$19,202.28
Temporary Construction Items	LSUM	1	\$8,534.35	\$8,534.35
		LUMP SUM		\$86,874.01
<b>Structures</b>				
Removal of Existing Building	SF	10,508	\$40.00	\$420,320.00
<b>Site Restoration</b>				
Seeding	AC	0.57	\$2,100.00	\$1,189.31
Topsoil	CY	274	\$19.00	\$5,208.03
<b>Allowances</b>				
Erosion Control	LSUM	1	\$50,000.00	\$50,000.00
<b>CONSTRUCTION SUBTOTAL</b>				<b>\$426,717.33</b>
LUMP SUM ITEMS SUBTOTAL				\$136,874.01
20% PLANNING CONTINGENCY				\$85,343.47
SUBTOTAL				\$648,934.81
Construction				\$649,000.00
Design/ CA/RPR				\$98,000.00
<b>TOTAL</b>				<b>\$747,000</b>



Southwest Oregon Regional  
Airport Master Plan

OTH FedEx Building									
Summary Description	UNIT	UNIT COST	UNIT COST	QTY	Calculated	Calculated	Average	Estimated	Cost
		FROM SGU	FROM EUG		UNIT COST (SGU + 10% INFLATION)	UNIT COST (EUG + 10% INFLATION)			
Foundations	SF	\$3.69	\$5.70	11000	\$4.06	\$6.27	\$5.16	\$56,809.50	
Substructure	SF	\$3.27	\$7.37	11000	\$3.60	\$8.11	\$5.85	\$64,372	
Superstructure	SF	\$35.80	\$45.69	11000	\$39.38	\$50.26	\$44.82	\$493,015	
Exterior Closure	SF	\$38.54	\$58.28	11000	\$42.39	\$64.11	\$53.25	\$585,761	
Roofing	SF	\$12.50	\$18.58	11000	\$13.75	\$20.44	\$17.09	\$188,034	
Interior Construction	SF	\$15.30	\$22.83	11000	\$16.83	\$25.11	\$20.97	\$230,687	
Interior Finishes	SF	\$20.46	\$23.46	11000	\$22.51	\$25.81	\$24.16	\$265,716	
Mechanical	SF	\$29.75	\$47.56	11000	\$32.73	\$52.32	\$42.52	\$467,726	
Electrical	SF	\$26.20	\$34.81	11000	\$28.82	\$38.29	\$33.56	\$369,111	
Security	SF	\$10.70	\$15.89	11000	\$11.77	\$17.48	\$14.62	\$160,870	
<b>TOTAL</b>		\$196.21	\$280.17	16000	\$215.83	\$308.19	\$262.01	<b>\$2,882,099.00</b>	
Design/Construction Services @ 20%								\$576,420	
Contingency @ 10%								\$288,210	
General Conditions @ 7%								\$221,922	
Profit & Overhead @ 5%								\$198,433	
<b>TOTAL (HIGH RANGE)</b>								<b>\$4,167,083</b>	
<b>TOTAL (LOW RANGE)</b>								<b>\$2,783,611</b>	
								<b>\$4,000,000</b>	





Southwest Oregon Regional  
Airport Master Plan

<b>LOCATION: Southwest Oregon Regional Airport</b>				Reynolds, Smith and Hills, Inc. Prepared By: CAS RS&H Project No.
<b>PROJECT DESCRIPTION:</b> Airport Master Plan Order of Magnitude Cost Estimates				<b>Project Number</b>
<b>T-Hanger Expansion Phase II</b>				31
WORK ITEM DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	AMOUNT
Mobilization & General Conditions	LSUM	1	\$52,800.00	\$52,800.00
Safety and Security	LSUM	1	\$25,000.00	\$25,000.00
Project Survey and Stakeout	LSUM	1	\$29,700.00	\$29,700.00
Temporary Construction Items	LSUM	1	\$13,200.00	\$13,200.00
		LUMP SUM		\$120,700.00
<b>Structures</b>				
New Hangar	SF	4,400	\$100.00	\$440,000.00
<b>Paving</b>				
New Apron	SY	4,400	\$50.00	\$220,000.00
<b>Allowances</b>				
Erosion Control	LSUM	1	\$50,000.00	\$50,000.00
Drainage	LSUM	1	\$100,000.00	\$100,000.00
<b>CONSTRUCTION SUBTOTAL</b>				<b>\$660,000.00</b>
LUMP SUM ITEMS SUBTOTAL				\$270,700.00
20% PLANNING CONTINGENCY				\$132,000.00
SUBTOTAL				\$1,062,700.00
Construction				\$1,063,000.00
Design/ CA/RPR				\$160,000.00
<b>TOTAL</b>				<b>\$1,223,000</b>

<b>LOCATION: Southwest Oregon Regional Airport</b>				Reynolds, Smith and Hills, Inc.
<b>PROJECT DESCRIPTION:</b> Airport Master Plan Order of Magnitude Cost Estimates				Prepared By: CAS RS&H Project No.
				Project Number
<b>Demolition of Cement Storage Facility</b>				
WORK ITEM DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	AMOUNT
Mobilization & General Conditions	LSUM	1	\$2,540.64	\$2,540.64
Safety and Security	LSUM	1	\$25,000.00	\$25,000.00
Project Survey and Stakeout	LSUM	0	\$1,429.11	\$0.00
Temporary Construction Items	LSUM	1	\$2,500.00	\$2,500.00
		LUMP SUM		\$30,040.64
<b>Structures</b>				
Building Demolition	SF	605	\$50.00	\$30,250.00
<b>Site Restoration</b>				
Seeding	AC	0.13	\$2,100.00	\$273.00
Topsoil	CY	65	\$19.00	\$1,235.00
<b>Allowances</b>				
Erosion Control	LSUM	1	\$15,000.00	\$15,000.00
<b>CONSTRUCTION SUBTOTAL</b>				<b>\$31,758.00</b>
LUMP SUM ITEMS SUBTOTAL				\$45,040.64
20% PLANNING CONTINGENCY				\$6,351.60
SUBTOTAL				\$83,150.24
				Construction
				Design/ CA/RPR
				<b>TOTAL</b>
				\$84,000.00
				\$13,000.00
				<b>\$97,000</b>



<b>LOCATION: Southwest Oregon Regional Airport</b>				Reynolds, Smith and Hills, Inc. Prepared By: CAS RS&H Project No.
<b>PROJECT DESCRIPTION:</b> Airport Master Plan Order of Magnitude Cost Estimates				<b>Project Number</b>
<b>Demolition of St. Johns Entertainment Building</b>				
WORK ITEM DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	AMOUNT
Mobilization & General Conditions	LSUM	1	\$10,826.88	\$10,826.88
Safety and Security	LSUM	1	\$25,000.00	\$25,000.00
Project Survey and Stakeout	LSUM	1	\$6,090.12	\$6,090.12
Temporary Construction Items	LSUM	1	\$2,706.72	\$2,706.72
		LUMP SUM		\$44,623.72
<b>Structures</b>				
Removal of Existing Building	SF	4,390	\$30.00	\$131,700.00
<b>Site Restoration</b>				
Seeding	AC	0.32	\$2,100.00	\$672.00
Topsoil	CY	156	\$19.00	\$2,964.00
<b>Allowances</b>				
Erosion Control	LSUM	1	\$50,000.00	\$50,000.00
<b>CONSTRUCTION SUBTOTAL</b>				<b>\$135,336.00</b>
LUMP SUM ITEMS SUBTOTAL				\$94,623.72
20% PLANNING CONTINGENCY				\$27,067.20
SUBTOTAL				\$257,026.92
Construction				\$258,000.00
Design/ CA/RPR				\$39,000.00
<b>TOTAL</b>				<b>\$297,000</b>

<b>LOCATION: Southwest Oregon Regional Airport</b>			Reynolds, Smith and Hills, Inc. Prepared By: CAS RS&H Project No.	
<b>PROJECT DESCRIPTION:</b> Airport Master Plan Order of Magnitude Cost Estimates			<b>Project Number</b>	
<b>Demolition of Apartments</b>				
WORK ITEM DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	AMOUNT
Mobilization & General Conditions	LSUM	1	\$34,412.16	\$34,412.16
Safety and Security	LSUM	1	\$25,000.00	\$25,000.00
Project Survey and Stakeout	LSUM	1	\$19,356.84	\$19,356.84
Temporary Construction Items	LSUM	1	\$8,603.04	\$8,603.04
		LUMP SUM		\$87,372.04
<b>Structures</b>				
Removal of Existing Building	SF	7,077.00	\$60.00	\$424,620.00
<b>Site Restoration</b>				
Seeding	AC	0.49	\$2,100.00	\$1,029.00
Top Soil	CY	237	\$19.00	\$4,503.00
<b>Allowances</b>				
Erosion Control	LSUM	1	\$75,000.00	\$75,000.00
<b>CONSTRUCTION SUBTOTAL</b>				<b>\$430,152.00</b>
LUMP SUM ITEMS SUBTOTAL				\$162,372.04
20% PLANNING CONTINGENCY				\$86,030.40
SUBTOTAL				\$678,554.44
Construction				\$679,000.00
Design/ CA/RPR				\$102,000.00
<b>TOTAL</b>				<b>\$781,000</b>

<b>LOCATION: Southwest Oregon Regional Airport</b>			Reynolds, Smith and Hills, Inc. Prepared By: CAS RS&H Project No.	
<b>PROJECT DESCRIPTION:</b> Airport Master Plan Order of Magnitude Cost Estimates			Project Number	
<b>Demolition of Coos Aviation</b>				
WORK ITEM DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	AMOUNT
Mobilization & General Conditions	LSUM	1	\$28,216.65	\$28,216.65
Safety and Security	LSUM	1	\$25,000.00	\$25,000.00
Project Survey and Stakeout	LSUM	1	\$15,871.86	\$15,871.86
Temporary Construction Items	LSUM	1	\$7,054.16	\$7,054.16
		LUMP SUM		\$76,142.68
<b>Structures</b>				
Removal of Existing Building	SF	9,840	\$30.00	\$295,200.00
<b>Site Restoration</b>				
Seeding	AC	0.66	\$2,100.00	\$1,395.81
Topsoil	CY	322	\$19.00	\$6,112.30
<b>Allowances</b>				
Erosion Control	LSUM	1	\$50,000.00	\$50,000.00
<b>CONSTRUCTION SUBTOTAL</b>				<b>\$352,708.11</b>
LUMP SUM ITEMS SUBTOTAL				\$126,142.68
20% PLANNING CONTINGENCY				\$70,541.62
SUBTOTAL				\$549,392.40
			Construction	\$550,000.00
			Design/ CA/RPR	\$83,000.00
			<b>TOTAL</b>	<b>\$633,000</b>

<b>LOCATION: Southwest Oregon Regional Airport</b>				Reynolds, Smith and Hills, Inc. Prepared By: CAS RS&H Project No.
<b>PROJECT DESCRIPTION:</b> Airport Master Plan Order of Magnitude Cost Estimates				<b>Project Number</b>
<b>Demolition of Warehouse</b>				
WORK ITEM DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	AMOUNT
Mobilization & General Conditions	LSUM	1	\$13,871.74	\$13,871.74
Safety and Security	LSUM	1	\$25,000.00	\$25,000.00
Project Survey and Stakeout	LSUM	1	\$7,802.85	\$7,802.85
Temporary Construction Items	LSUM	1	\$3,467.93	\$3,467.93
		LUMP SUM		\$50,142.52
<b>Structures</b>				
Removal of Existing Building	SF	5,645	\$30.00	\$169,350.00
<b>Site Restoration</b>				
Seeding	AC	0.36	\$2,100.00	\$752.31
Topsoil	CY	173	\$19.00	\$3,294.39
<b>Allowances</b>				
Erosion Control	LSUM	1	\$50,000.00	\$50,000.00
<b>CONSTRUCTION SUBTOTAL</b>				<b>\$173,396.70</b>
LUMP SUM ITEMS SUBTOTAL				\$100,142.52
20% PLANNING CONTINGENCY				\$34,679.34
SUBTOTAL				\$308,218.56
			Construction	\$309,000.00
			Design/ CA/RPR	\$47,000.00
			<b>TOTAL</b>	<b>\$356,000</b>



<b>LOCATION: Southwest Oregon Regional Airport</b>			Reynolds, Smith and Hills, Inc. Prepared By: CAS RS&H Project No.	
<b>PROJECT DESCRIPTION:</b> Airport Master Plan Order of Magnitude Cost Estimates			<b>Project Number</b>	
<b>Estuary Viewing Boardwalk</b>				
WORK ITEM DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	AMOUNT
Mobilization & General Conditions	LSUM	1	\$139,317.52	\$139,317.52
Safety and Security	LSUM	1	\$25,000.00	\$25,000.00
Project Survey and Stakeout	LSUM	1	\$78,366.11	\$78,366.11
Temporary Construction Items	LSUM	1	\$34,829.38	\$34,829.38
		LUMP SUM		\$277,513.01
<b>Structures</b>				
Walkway	LF	2,750	\$625.00	\$1,718,750.00
<b>Earthwork</b>				
Grading	SY	7,573	\$3.00	\$22,719.00
<b>Environmental</b>				
Environmental Study				\$400,000.00
Environmental Permitting				\$250,000.00
Environmental Mitigation				\$500,000.00
<b>Allowances</b>				
Erosion Control	LSUM	1	\$250,000.00	\$250,000.00
<b>CONSTRUCTION SUBTOTAL</b>				<b>\$1,741,469.00</b>
ENVIRONMENTAL SUBTOTAL				\$1,150,000.00
LUMP SUM ITEMS SUBTOTAL				\$527,513.01
20% PLANNING CONTINGENCY				\$348,293.80
SUBTOTAL				\$3,767,275.81
Construction				\$3,768,000.00
Design/ CA/RPR				\$566,000.00
<b>TOTAL</b>				<b>\$4,334,000</b>