Unit Price Descriptions

ITEM	DESCRIPTION	UNIT
Curb, Gutter, Sidewalks & Enclosed Drainage	~0.5-ft curb, 1.5-ft gutter pan and 7-ft wide sidewalk (each side) ~18-inch concrete pipe storm system w/ 2-ft of cover ~Storm manhole every 500 LF ~Standard catch basin every 250 LF (each side of the roadway)	Mile
Bike Boulevard	Separated bike facility: –11-ft wide, 2-in of AC and 12-in of aggregate base –Clearing and grubbing and removal of structures are included –20-ft long 12-in culverts every 400 LF	Mile
New Roadway	~Subgrade preparation, 6-in of AC, 14-in of aggregate base ~Clearing/grubbing, excavation/embankment, removal of struct. ~18-in culverts every 500 LF. ~1 solid stripe of permanent pavement striping per lane	Lane-Mile
Overlay Existing Roadway	~Grinding 25% of existing surface and 2-in of new AC ~1 solid stripe of permanent pavement striping per lane	Lane-Mile
Reconstruct Existing Roadway	Removal of existing roadway and rebuilding a new facility: –Removal cost of 4-in AC and 14-in aggregate base –"New Roadway" cost (listed above)	Lane-Mile
Intersection Widening	Widening two approaches of an existing intersection: –4 lanes for 150 LF (2 left turn lanes and 2 right turn bay) ~Demolition of all approach curbs and sidewalks. ~6-in AC and 14-in aggregate base ~Curb, gutter, and sidewalk ft 300 LF per approach ~Relocation of obstructions, clearing/grubbing, landscaping ~2 solid stripes of permanent pavement striping per lane	Each
Restriping Existing Roadway	~Removal of existing striping and restriping of existing facility	Lane-Mile
Interconnect Signal	~Lump sum cost to interconnect signal system	Lump Sum
New Signal	~The signal system and all appurtenances (pole, wiring, detection devices, etc) for one intersection	Each
Signal Modifications	~All evaluations and modifications	Each
Transit Enhancements	~Bus shelter, bench, light, appropriate signing, and sidewalk/roadway modifications	Each
Traffic Calming	~Assumed to entail median strips, traffic circles, speed bumps ~Approximately 5-10% of all other construction costs	Percentage
Illumination	–luminaire, pole, wiring, and all other appurtenances ~one light pole on each side of the roadway every 200 LF	Mile
Landscaping	~Plantings, topsoil, and irrigation requirements	Mile
Bridges	~Based on estimated square footage of bridge	Square Foot
Walls	~Cost of Standard Retaining Wall	Square Foot

Additional Costs

ITEM	DESCRIPTION
General Construction Costs	Insert the desired percentage from the common range for each factor: ~Construction Surveying: 1.0-2.5% ~Temporary Protection and Direction of Traffic: 3.0-8.0% ~Mobilization: 8.0-10.0% ~Erosion Control: 0.5-2.0%
Contingency Factor	General Contingency for Construction Costs: 40.0%.
Escalation Factor	Given the year and escalation percentage, this estimate can roughly approximate yearly inflation of prices: ~Insert the desired percentage from the common range: 0.5-2.0% ~Insert the current year (must be 2005 or later)
Engineering Costs	Calculated as a percentage of the total Construction Costs: ~Design Engineering: 13.0% ~Construction Engineering: 10.0%

Project Information	
Number	**Name**
C1	OR 18 & Old Scenic Hwy 101 (MP 1.31)
C2	OR 18 & North Bank Rd (MP 5.30)
C3 Section1	US 101 Widening S City Limits To Siletz River Highway (MP 118.70 to 120.02)
C3 Section 2	US 101 Widening - Siletz River Highway to Gleneden Beach Road (MP120.02 to 121.68)
C3 Section 3	Gleneden Beach Road to Lancer Street (MP 121.68 to 123.49)

CH2M HILL
SUMMARY - QUICK COST ESTIMATE

PROJECT: OR 18 & Old Scenic Hwy 101 (MP 1.31)	REFERENCE NAME/PHONE		SHEET 1 of 1
DESIGN LEVEL: Preliminary			
KIND OF WORK: Roadway	LENGTH (MI.):	DATE 9/26/2007	NAME

NO.	ITEM	UNIT	UNIT COST	QUANTITY	COST
1	Curb, Gutter, Sidewalks & Drainage	Mi.	$874,000	0.00	$0
2	Vegetation Maintenance	Day	$2,000	0.00	$0
3	New Roadway	Lane-Mi.	$313,000	0.00	$0
4	Overlay Existing Roadway	Lane-Mi.	$86,000	0.00	$0
5	Reconstruct Existing Roadway	Lane-Mi.	$348,000	0.00	$0
6	Intersection Widening	EA	$54,000	0.00	$0
7	Restriping Existing Roadway	Lane-Mi.	$15,000	0.76	$11,400
8	New Signage	EA	$400	0.00	$0
9	New Signal	EA	$180,000	0.00	$0
10	Guardrail ends	EA	$800	0.00	$0
11	Guardrail	Mi.	$106,000	0.00	$0
12	Traffic Calming (See note 1)	%	-	0.0%	$0
13	Illumination	Mi.	$234,000	0.00	$0
14	Landscaping	Mi.	$225,000	0.00	$0
15	Access Consolidation	-		0.00	$0
16	Raised Pavement Markers	Mi.	$7,000	0.00	$0
	SUBTOTAL				***$11,400***

	ADDITIONAL COSTS		RANGE	PERCENTAGE	COST
	Construction Surveying		1.0-2.5%	2.5%	$300
	TP & DT		3.0-8.0%	5.0%	$600
	Mobilization		8.0-10.0%	8.0%	$900
	Erosion Control		0.5-2.0%	0.5%	$100
	Contingency		37.0%	37.0%	$4,200
	Escalation (per year)		3.5%	3.5%	
	-Current Year			2006	$0
	TOTAL CONSTRUCTION COST				***$17,500***
	Design Engineering	13.0%	13.0%	13.0%	$2,300
	Construction Engineering	10.0%	10.0%	10.0%	$1,800
	TOTAL PROJECT COST				**$30,000**

CH2M HILL
SUMMARY - QUICK COST ESTIMATE

PROJECT: OR 18 & North Bank Rd (MP 5.30)	REFERENCE NAME/PHONE		SHEET 1 of 1
DESIGN LEVEL: Preliminary			
KIND OF WORK: Roadway	LENGTH (MI.):	DATE 9/26/2007	NAME

NO.	ITEM	UNIT	UNIT COST	QUANTITY	COST
1	Curb, Gutter, Sidewalks & Drainage	Mi.	$874,000	0.00	$0
2	Vegetation Maintenance	Day	$2,000	0.00	$0
3	New Roadway	Lane-Mi.	$313,000	0.11	$34,430
4	Overlay Existing Roadway	Lane-Mi.	$86,000	0.00	$0
5	Reconstruct Existing Roadway	Lane-Mi.	$348,000	0.00	$0
6	Intersection Widening	EA	$54,000	0.00	$0
7	Restriping Existing Roadway	Lane-Mi.	$15,000	0.00	$0
8	New Signage	EA	$400	0.00	$0
9	New Signal	EA	$180,000	0.00	$0
10	Guardrail ends	EA	$800	0.00	$0
11	Guardrail	Mi.	$106,000	0.00	$0
12	Traffic Calming (See note 1)	%	-	0.0%	$0
13	Illumination	Mi.	$234,000	0.00	$0
14	Landscaping	Mi.	$225,000	0.00	$0
15	Bridges (See note 2)	-	$200	9,600.00	$1,920,000
16	Raised Pavement Markers	Mi.	$7,000	0.00	$0
	SUBTOTAL				***$1,954,430***

	ADDITIONAL COSTS		RANGE	PERCENTAGE	COST
	Construction Surveying		1.0-2.5%	2.5%	$48,900
	TP & DT		3.0-8.0%	8.0%	$156,400
	Mobilization		8.0-10.0%	10.0%	$195,400
	Erosion Control		0.5-2.0%	2.0%	$39,100
	Contingency		37.0%	37.0%	$723,100
	Escalation (per year)		3.5%	3.5%	
	-Current Year			2006	$68,000
	TOTAL CONSTRUCTION COST				***$3,185,330***
	Design Engineering	13.0%	13.0%	13.0%	$414,100
	Construction Engineering	10.0%	10.0%	10.0%	$318,500
	TOTAL PROJECT COST				**$3,920,000**

CH2M HILL
SUMMARY - QUICK COST ESTIMATE

PROJECT:	US 101 Widening S City Limits To Siletz River Highway (MP 118.70 to 120.02)	REFERENCE NAME/PHONE			SHEET 1 of 1
DESIGN LEVEL:	Preliminary				
KIND OF WORK:	Roadway	LENGTH (MI.): 1.32		DATE 9/26/2007	NAME

NO.	ITEM	UNIT	UNIT COST	QUANTITY	COST
1	Curb, Gutter, Sidewalks & Drainage	Mi.	$874,000	0.00	$0
2	Vegetation Maintenance	Day	$2,000	0.00	$0
3	New Roadway	Lane-Mi.	$313,000	5.33	$1,667,460
4	Overlay Existing Roadway	Lane-Mi.	$86,000	2.64	$227,040
5	Reconstruct Existing Roadway	Lane-Mi.	$348,000	0.00	$0
6	Intersection Widening	EA	$54,000	1.00	$54,000
7	Restriping Existing Roadway	Lane-Mi.	$15,000	0.00	$0
8	New Signage	EA	$400	0.00	$0
9	New Signal	EA	$180,000	0.00	$0
10	Guardrail ends	EA	$800	0.00	$0
11	Guardrail	Mi.	$106,000	0.00	$0
12	Traffic Calming (See note 1)	%	-	0.0%	$0
13	Illumination	Mi.	$234,000	0.00	$0
14	Landscaping	Mi.	$225,000	0.00	$0
15	Bridges (See note 2)	-	$200	19,000.00	$3,800,000
16	Raised Pavement Markers	Mi.	$7,000	0.00	$0
	SUBTOTAL				***$5,748,500***

	ADDITIONAL COSTS		RANGE	PERCENTAGE	COST
	Construction Surveying		1.0-2.5%	2.5%	$143,700
	TP & DT		3.0-8.0%	8.0%	$459,900
	Mobilization		8.0-10.0%	10.0%	$574,900
	Erosion Control		0.5-2.0%	2.0%	$115,000
	Contingency		37.0%	37.0%	$2,126,900
	Escalation (per year)		3.5%	3.5%	
	-Current Year			2006	$201,000
	TOTAL CONSTRUCTION COST				***$9,369,900***
	Design Engineering	13.0%	13.0%	13.0%	$1,218,100
	Construction Engineering	10.0%	10.0%	10.0%	$937,000
	TOTAL PROJECT COST				**$11,530,000**

CH2M HILL
SUMMARY - QUICK COST ESTIMATE

PROJECT:	US 101 Widening - Siletz River Highway to Gleneden Beach Road (MP120.02 to 121.68)	REFERENCE NAME/PHONE			SHEET 1 of 1
DESIGN LEVEL:	Preliminary				
KIND OF WORK:	Roadway	LENGTH (MI.): 1.66		DATE 9/26/2007	NAME

NO.	ITEM	UNIT	UNIT COST	QUANTITY	COST
1	Curb, Gutter, Sidewalks & Drainage	Mi.	$874,000	0.00	$0
2	Vegetation Maintenance	Day	$2,000	0.00	$0
3	New Roadway	Lane-Mi.	$313,000	6.59	$2,063,500
4	Overlay Existing Roadway	Lane-Mi.	$86,000	3.32	$285,520
5	Reconstruct Existing Roadway	Lane-Mi.	$348,000	0.00	$0
6	Intersection Widening	EA	$54,000	2.00	$108,000
7	Restriping Existing Roadway	Lane-Mi.	$15,000	0.00	$0
8	New Signage	EA	$400	0.00	$0
9	New Signal	EA	$180,000	2.00	$360,000
10	Guardrail ends	EA	$800	0.00	$0
11	Guardrail	Mi.	$106,000	0.00	$0
12	Traffic Calming (See note 1)	%	-	0.0%	$0
13	Illumination	Mi.	$234,000	0.08	$18,720
14	Landscaping	Mi.	$225,000	0.00	$0
15	Bridges (See note 2)	-	$200	11,760.00	$2,352,000
16	Raised Pavement Markers	Mi.	$7,000	0.00	$0
	SUBTOTAL				***$5,187,740***

	ADDITIONAL COSTS		RANGE	PERCENTAGE	COST
	Construction Surveying		1.0-2.5%	2.5%	$129,700
	TP & DT		3.0-8.0%	8.0%	$415,000
	Mobilization		8.0-10.0%	10.0%	$518,800
	Erosion Control		0.5-2.0%	2.0%	$103,800
	Contingency		37.0%	37.0%	$1,919,500
	Escalation (per year)		3.5%	3.5%	
	-Current Year			2006	$182,000
	TOTAL CONSTRUCTION COST				***$8,456,540***
	Design Engineering	13.0%	13.0%	13.0%	$1,099,400
	Construction Engineering	10.0%	10.0%	10.0%	$845,700
	TOTAL PROJECT COST				**$10,410,000**

CH2M HILL
SUMMARY - QUICK COST ESTIMATE

PROJECT: Gleneden Beach Road to Lancer Street (MP 121.68 to 123.49)		REFERENCE NAME/PHONE			SHEET 1 of 1
DESIGN LEVEL: Preliminary					
KIND OF WORK: Roadway		LENGTH (MI.):		DATE 9/26/2007	NAME

NO.	ITEM	UNIT	UNIT COST	QUANTITY	COST
1	Curb, Gutter, Sidewalks & Drainage	Mi.	$874,000	0.00	$0
2	Vegetation Maintenance	Day	$2,000	0.00	$0
3	New Roadway	Lane-Mi.	$313,000	7.24	$2,266,120
4	Overlay Existing Roadway	Lane-Mi.	$86,000	3.62	$311,320
5	Reconstruct Existing Roadway	Lane-Mi.	$348,000	0.00	$0
6	Intersection Widening	EA	$54,000	0.00	$0
7	Restriping Existing Roadway	Lane-Mi.	$15,000	0.00	$0
8	New Signage	EA	$400	0.00	$0
9	New Signal	EA	$180,000	0.00	$0
10	Guardrail ends	EA	$800	0.00	$0
11	Guardrail	Mi.	$106,000	0.00	$0
12	Traffic Calming (See note 1)	%	-	0.0%	$0
13	Illumination	Mi.	$234,000	0.00	$0
14	Landscaping	Mi.	$225,000	0.00	$0
15	Access Consolidation	-		0.00	$0
16	Raised Pavement Markers	Mi.	$7,000	0.00	$0
	SUBTOTAL				***$2,577,440***

	ADDITIONAL COSTS		RANGE	PERCENTAGE	COST
	Construction Surveying		1.0-2.5%	2.5%	$64,400
	TP & DT		3.0-8.0%	8.0%	$206,200
	Mobilization		8.0-10.0%	10.0%	$257,700
	Erosion Control		0.5-2.0%	2.0%	$51,500
	Contingency		37.0%	37.0%	$953,700
	Escalation (per year)		3.5%	3.5%	
	-Current Year			2006	$90,000
	TOTAL CONSTRUCTION COST				***$4,200,940***
	Design Engineering	13.0%	13.0%	13.0%	$546,100
	Construction Engineering	10.0%	10.0%	10.0%	$420,100
	TOTAL PROJECT COST				**$5,170,000**

Project Information	
Number	**Name**
S1	US 101 Siletz River SPIS Segment
S2	US 101 at Immonen Rd
S3	US 101 Yachats Coastal Segment
S4	US 20 Yachats River Road Segment
S5	OR 229 North Siletz Segment
S6	OR 229 Drift Creek Rd
S7	OR 229 Kosydar SPIS Segment
S8	OR 34 East Waldport Segment
S9	OR 18 Salmon River Segment
S10	OR 18 Otis SPIS Segment
S11	OR 18 Bear Creek Rd
S12	OR 18 Slick Rock Creek Road
S13	OR 18 Rose Lodge SPIS Segment

CH2M HILL
SUMMARY - QUICK COST ESTIMATE

PROJECT: US 101 Siletz River SPIS Segment		REFERENCE NAME/PHONE			SHEET 1 of 1
DESIGN LEVEL: Preliminary					
KIND OF WORK: Roadway		LENGTH (MI.):		DATE 9/26/2007	NAME
NO.	ITEM	UNIT	UNIT COST	QUANTITY	COST
1	Curb, Gutter, Sidewalks & Drainage	Mi.	$874,000	0.00	$0
2	Vegetation Maintenance	Day	$2,000	0.00	$0
3	New Roadway	Lane-Mi.	$313,000	0.00	$0
4	Overlay Existing Roadway	Lane-Mi.	$86,000	0.00	$0
5	Reconstruct Existing Roadway	Lane-Mi.	$348,000	0.00	$0
6	Intersection Widening	EA	$54,000	0.00	$0
7	Restriping Existing Roadway	Lane-Mi.	$15,000	0.00	$0
8	New Signage	EA	$400	4.00	$1,600
9	New Signal	EA	$180,000	0.00	$0
10	Guardrail ends	EA	$800	0.00	$0
11	Guardrail	Mi.	$106,000	0.00	$0
12	Traffic Calming (See note 1)	%	-	0.0%	$0
13	Illumination	Mi.	$234,000	0.00	$0
14	Landscaping	Mi.	$225,000	0.00	$0
15	Access Consolidation	-		0.00	$0
16	Raised Pavement Markers	Mi.	$7,000	0.00	$0
	SUBTOTAL				***$1,600***

	ADDITIONAL COSTS		RANGE	PERCENTAGE	COST
	Construction Surveying		1.0-2.5%	1.0%	$0
	TP & DT		3.0-8.0%	3.0%	$0
	Mobilization		8.0-10.0%	5.0%	$100
	Erosion Control		0.5-2.0%	0.5%	$0
	Contingency		37.0%	37.0%	$600
	Escalation (per year)		3.5%	3.5%	
	-Current Year			2006	$0
	TOTAL CONSTRUCTION COST				***$2,300***
	Design Engineering	13.0%	13.0%	13.0%	$300
	Construction Engineering	10.0%	10.0%	10.0%	$200
	TOTAL PROJECT COST				**<$10,000**

CH2M HILL
SUMMARY - QUICK COST ESTIMATE

PROJECT: US 101 at Immonen Rd	REFERENCE NAME/PHONE		SHEET 1 of 1
DESIGN LEVEL: Preliminary			
KIND OF WORK: Roadway	LENGTH (MI.):	DATE 9/26/2007	NAME

NO.	ITEM	UNIT	UNIT COST	QUANTITY	COST
1	Curb, Gutter, Sidewalks & Drainage	Mi.	$874,000	0.00	$0
2	Vegetation Maintenance	Day	$2,000	2.00	$4,000
3	New Roadway	Lane-Mi.	$313,000	0.00	$0
4	Overlay Existing Roadway	Lane-Mi.	$86,000	0.00	$0
5	Reconstruct Existing Roadway	Lane-Mi.	$348,000	0.00	$0
6	Intersection Widening	EA	$54,000	0.00	$0
7	Restriping Existing Roadway	Lane-Mi.	$15,000	0.00	$0
8	New Signage	EA	$400	2.00	$800
9	New Signal	EA	$180,000	1.00	$180,000
10	Guardrail ends	EA	$800	0.00	$0
11	Guardrail	Mi.	$106,000	0.00	$0
12	Traffic Calming (See note 1)	%	-	0.0%	$0
13	Illumination	Mi.	$234,000	0.00	$0
14	Landscaping	Mi.	$225,000	0.00	$0
15	Access Consolidation	-		0.00	$0
16	Raised Pavement Markers	Mi.	$7,000	0.00	$0
	SUBTOTAL				***$184,800***

	ADDITIONAL COSTS		RANGE	PERCENTAGE	COST
	Construction Surveying		1.0-2.5%	1.0%	$1,800
	TP & DT		3.0-8.0%	3.0%	$5,500
	Mobilization		8.0-10.0%	5.0%	$9,200
	Erosion Control		0.5-2.0%	0.5%	$900
	Contingency		37.0%	37.0%	$68,400
	Escalation (per year)		3.5%	3.5%	
	-Current Year			2006	$6,000
	TOTAL CONSTRUCTION COST				***$276,600***
	Design Engineering	13.0%	13.0%	13.0%	$36,000
	Construction Engineering	10.0%	10.0%	10.0%	$27,700
	TOTAL PROJECT COST				**$350,000**

CH2M HILL
SUMMARY - QUICK COST ESTIMATE

PROJECT: US 101 Yachats Coastal Segment		REFERENCE NAME/PHONE			SHEET 1 of 1
DESIGN LEVEL: Preliminary					
KIND OF WORK: Roadway		LENGTH (MI.):		DATE 9/26/2007	NAME
NO.	ITEM	UNIT	UNIT COST	QUANTITY	COST
1	Curb, Gutter, Sidewalks & Drainage	Mi.	$874,000	0.00	$0
2	Vegetation Maintenance	Day	$2,000	5.00	$10,000
3	New Roadway	Lane-Mi.	$313,000	0.00	$0
4	Overlay Existing Roadway	Lane-Mi.	$86,000	0.00	$0
5	Reconstruct Existing Roadway	Lane-Mi.	$348,000	1.14	$395,455
6	Intersection Widening	EA	$54,000	0.00	$0
7	Restriping Existing Roadway	Lane-Mi.	$15,000	0.00	$0
8	New Signage	EA	$400	6.00	$2,400
9	New Signal	EA	$180,000	0.00	$0
10	Guardrail ends	EA	$800	2.00	$1,600
11	Guardrail	Mi.	$106,000	0.06	$6,360
12	Traffic Calming (See note 1)	%	-	0.0%	$0
13	Illumination	Mi.	$234,000	0.00	$0
14	Landscaping	Mi.	$225,000	0.00	$0
15	Access Consolidation	-		0.00	$0
16	Raised Pavement Markers	Mi.	$7,000	0.00	$0
	SUBTOTAL				***$415,815***

	ADDITIONAL COSTS		RANGE	PERCENTAGE	COST
	Construction Surveying		1.0-2.5%	1.0%	$4,200
	TP & DT		3.0-8.0%	5.0%	$20,800
	Mobilization		8.0-10.0%	8.0%	$33,300
	Erosion Control		0.5-2.0%	0.5%	$2,100
	Contingency		37.0%	37.0%	$153,900
	Escalation (per year)		3.5%	3.5%	
	-Current Year			2006	$15,000
	TOTAL CONSTRUCTION COST				***$645,115***
	Design Engineering	13.0%	13.0%	13.0%	$83,900
	Construction Engineering	10.0%	10.0%	10.0%	$64,500
	TOTAL PROJECT COST				**$800,000**

CH2M HILL
SUMMARY - QUICK COST ESTIMATE

PROJECT: US 20 Yachats River Road Segment	REFERENCE NAME/PHONE		SHEET 1 of 1
DESIGN LEVEL: Preliminary			
KIND OF WORK: Roadway	LENGTH (MI.):	DATE 9/26/2007	NAME

NO.	ITEM	UNIT	UNIT COST	QUANTITY	COST
1	Curb, Gutter, Sidewalks & Drainage	Mi.	$874,000	0.00	$0
2	Vegetation Maintenance	Day	$2,000	0.00	$0
3	New Roadway	Lane-Mi.	$313,000	0.00	$0
4	Overlay Existing Roadway	Lane-Mi.	$86,000	0.00	$0
5	Reconstruct Existing Roadway	Lane-Mi.	$348,000	0.15	$52,727
6	Intersection Widening	EA	$54,000	0.00	$0
7	Restriping Existing Roadway	Lane-Mi.	$15,000	0.00	$0
8	New Signage	EA	$400	4.00	$1,600
9	New Signal	EA	$180,000	0.00	$0
10	Guardrail ends	EA	$800	0.00	$0
11	Guardrail	Mi.	$106,000	0.00	$0
12	Traffic Calming (See note 1)	%	-	0.0%	$0
13	Illumination	Mi.	$234,000	0.00	$0
14	Landscaping	Mi.	$225,000	0.00	$0
15	Bridges (See note 2)	-	$200	0.00	$0
16	Raised Pavement Markers	Mi.	$7,000	0.00	$0
	SUBTOTAL				***$54,327***

	ADDITIONAL COSTS		RANGE	PERCENTAGE	COST
	Construction Surveying		1.0-2.5%	2.5%	$1,400
	TP & DT		3.0-8.0%	8.0%	$4,300
	Mobilization		8.0-10.0%	10.0%	$5,400
	Erosion Control		0.5-2.0%	2.0%	$1,100
	Contingency		37.0%	37.0%	$20,100
	Escalation (per year)		3.5%	3.5%	
	-Current Year			2006	$2,000
	TOTAL CONSTRUCTION COST				***$88,627***
	Design Engineering	13.0%	13.0%	13.0%	$11,500
	Construction Engineering	10.0%	10.0%	10.0%	$8,900
	TOTAL PROJECT COST				**$110,000**

CH2M HILL
SUMMARY - QUICK COST ESTIMATE

PROJECT: OR 229 North Siletz Segment	REFERENCE NAME/PHONE		SHEET 1 of 1
DESIGN LEVEL: Preliminary			
KIND OF WORK: Roadway	LENGTH (MI.):	DATE 9/26/2007	NAME

NO.	ITEM	UNIT	UNIT COST	QUANTITY	COST
1	Curb, Gutter, Sidewalks & Drainage	Mi.	$874,000	0.00	$0
2	Vegetation Maintenance	Day	$2,000	15.00	$30,000
3	New Roadway	Lane-Mi.	$313,000	2.00	$626,000
4	Overlay Existing Roadway	Lane-Mi.	$86,000	0.00	$0
5	Reconstruct Existing Roadway	Lane-Mi.	$348,000	0.00	$0
6	Intersection Widening	EA	$54,000	0.00	$0
7	New Striping	Lane-Mi.	$11,000	0.00	$0
8	New Signage	EA	$400	20.00	$8,000
9	New Signal	EA	$180,000	0.00	$0
10	Guardrail ends	EA	$800	20.00	$16,000
11	Guardrail	Mi.	$106,000	2.60	$275,600
12	Traffic Calming (See note 1)	%	-	0.0%	$0
13	Illumination	Mi.	$234,000	0.00	$0
14	Landscaping	Mi.	$225,000	0.00	$0
15	Access Consolidation	-		0.00	$0
16	Raised Pavement Markers	Mi.	$7,000	0.00	$0
	SUBTOTAL				***$955,600***

	ADDITIONAL COSTS		RANGE	PERCENTAGE	COST
	Construction Surveying		1.0-2.5%	2.5%	$23,900
	TP & DT		3.0-8.0%	8.0%	$76,400
	Mobilization		8.0-10.0%	10.0%	$95,600
	Erosion Control		0.5-2.0%	2.0%	$19,100
	Contingency		37.0%	37.0%	$353,600
	Escalation (per year)		3.5%	3.5%	
	-Current Year			2006	$33,000
	TOTAL CONSTRUCTION COST				***$1,557,200***
	Design Engineering	13.0%	13.0%	13.0%	$202,400
	Construction Engineering	10.0%	10.0%	10.0%	$155,700
	TOTAL PROJECT COST				**$1,920,000**

CH2M HILL
SUMMARY - QUICK COST ESTIMATE

PROJECT: OR 229 Drift Creek Rd	REFERENCE NAME/PHONE		SHEET 1 of 1
DESIGN LEVEL: Preliminary			
KIND OF WORK: Roadway	LENGTH (MI.):	DATE 9/26/2007	NAME

NO.	ITEM	UNIT	UNIT COST	QUANTITY	COST
1	Curb, Gutter, Sidewalks & Drainage	Mi.	$874,000	0.00	$0
2	Vegetation Maintenance	Day	$2,000	0.00	$0
3	New Roadway	Lane-Mi.	$313,000	0.00	$0
4	Overlay Existing Roadway	Lane-Mi.	$86,000	0.00	$0
5	Reconstruct Existing Roadway	Lane-Mi.	$348,000	0.00	$0
6	Intersection Widening	EA	$54,000	0.00	$0
7	Restriping Existing Roadway	Lane-Mi.	$15,000	0.00	$0
8	New Signage	EA	$400	2.00	$800
9	New Signal	EA	$180,000	0.00	$0
10	Guardrail ends	EA	$800	0.00	$0
11	Guardrail	Mi.	$106,000	0.00	$0
12	Traffic Calming (See note 1)	%	-	0.0%	$0
13	Illumination	Mi.	$234,000	0.00	$0
14	Landscaping	Mi.	$225,000	0.00	$0
15	Access Consolidation	-		0.00	$0
16	Raised Pavement Markers	Mi.	$7,000	0.00	$0
	SUBTOTAL				***$800***

	ADDITIONAL COSTS		RANGE	PERCENTAGE	COST
	Construction Surveying		1.0-2.5%	1.0%	$0
	TP & DT		3.0-8.0%	3.0%	$0
	Mobilization		8.0-10.0%	8.0%	$100
	Erosion Control		0.5-2.0%	0.5%	$0
	Contingency		37.0%	37.0%	$300
	Escalation (per year)		3.5%	3.5%	
	-Current Year			2006	$0
	TOTAL CONSTRUCTION COST				***$1,200***
	Design Engineering	13.0%	13.0%	13.0%	$200
	Construction Engineering	10.0%	10.0%	10.0%	$100
	TOTAL PROJECT COST				**<$10,000**

CH2M HILL
SUMMARY - QUICK COST ESTIMATE

PROJECT: OR 229 Kosydar SPIS Segment		REFERENCE NAME/PHONE			SHEET 1 of 1
DESIGN LEVEL: Preliminary					
KIND OF WORK: Roadway		LENGTH (MI.):		DATE 9/26/2007	NAME
NO.	ITEM	UNIT	UNIT COST	QUANTITY	COST
1	Curb, Gutter, Sidewalks & Drainage	Mi.	$874,000	0.00	$0
2	Vegetation Maintenance	Day	$2,000	0.00	$0
3	New Roadway	Lane-Mi.	$313,000	0.00	$0
4	Overlay Existing Roadway	Lane-Mi.	$86,000	0.00	$0
5	Reconstruct Existing Roadway	Lane-Mi.	$348,000	0.54	$187,920
6	Intersection Widening	EA	$54,000	0.00	$0
7	Restriping Existing Roadway	Lane-Mi.	$15,000	0.00	$0
8	New Signage	EA	$400	0.00	$0
9	New Signal	EA	$180,000	0.00	$0
10	Guardrail ends	EA	$800	0.00	$0
11	Guardrail	Mi.	$106,000	0.00	$0
12	Traffic Calming (See note 1)	%	-	0.0%	$0
13	Illumination	Mi.	$234,000	0.00	$0
14	Landscaping	Mi.	$225,000	0.00	$0
15	Access Consolidation	-		0.00	$0
16	Raised Pavement Markers	Mi.	$7,000	0.00	$0
	SUBTOTAL				***$187,920***

	ADDITIONAL COSTS		RANGE	PERCENTAGE	COST
	Construction Surveying		1.0-2.5%	2.5%	$4,700
	TP & DT		3.0-8.0%	8.0%	$15,000
	Mobilization		8.0-10.0%	10.0%	$18,800
	Erosion Control		0.5-2.0%	2.0%	$3,800
	Contingency		37.0%	37.0%	$69,500
	Escalation (per year)		3.5%	3.5%	
	-Current Year			2006	$7,000
	TOTAL CONSTRUCTION COST				***$306,720***
	Design Engineering	13.0%	13.0%	13.0%	$39,900
	Construction Engineering	10.0%	10.0%	10.0%	$30,700
	TOTAL PROJECT COST				**$380,000**

CH2M HILL
SUMMARY - QUICK COST ESTIMATE

PROJECT: OR 229 Kosydar SPIS Segment		REFERENCE NAME/PHONE			SHEET 1 of 1
DESIGN LEVEL: Preliminary					
KIND OF WORK: Roadway		LENGTH (MI.):		DATE 9/26/2007	NAME
NO.	**ITEM**	**UNIT**	**UNIT COST**	**QUANTITY**	**COST**
1	Curb, Gutter, Sidewalks & Drainage	Mi.	$874,000	0.00	$0
2	Vegetation Maintenance	Day	$2,000	0.00	$0
3	New Roadway	Lane-Mi.	$313,000	0.21	$65,730
4	Overlay Existing Roadway	Lane-Mi.	$86,000	0.00	$0
5	Reconstruct Existing Roadway	Lane-Mi.	$348,000	0.00	$0
6	Intersection Widening	EA	$54,000	0.00	$0
7	Restriping Existing Roadway	Lane-Mi.	$15,000	0.00	$0
8	New Signage	EA	$400	0.00	$0
9	New Signal	EA	$180,000	0.00	$0
10	Guardrail ends	EA	$800	0.00	$0
11	Guardrail	Mi.	$106,000	0.00	$0
12	Traffic Calming (See note 1)	%	-	0.0%	$0
13	Illumination	Mi.	$234,000	0.00	$0
14	Landscaping	Mi.	$225,000	0.00	$0
15	Access Consolidation	-		0.00	$0
16	Raised Pavement Markers	Mi.	$7,000	0.00	$0
	SUBTOTAL				***$65,730***

	ADDITIONAL COSTS		RANGE	PERCENTAGE	COST
	Construction Surveying		1.0-2.5%	2.5%	$1,600
	TP & DT		3.0-8.0%	8.0%	$5,300
	Mobilization		8.0-10.0%	10.0%	$6,600
	Erosion Control		0.5-2.0%	2.0%	$1,300
	Contingency		37.0%	37.0%	$24,300
	Escalation (per year)		3.5%	3.5%	
	-Current Year			2006	$2,000
	TOTAL CONSTRUCTION COST				***$106,830***
	Design Engineering	13.0%	13.0%	13.0%	$13,900
	Construction Engineering	10.0%	10.0%	10.0%	$10,700
	TOTAL PROJECT COST				**$140,000**

CH2M HILL
SUMMARY - QUICK COST ESTIMATE

PROJECT: OR 229 Kosydar SPIS Segment		REFERENCE NAME/PHONE			SHEET 1 of 1
DESIGN LEVEL: Preliminary					
KIND OF WORK: Roadway		LENGTH (MI.):		DATE 9/26/2007	NAME
NO.	**ITEM**	**UNIT**	**UNIT COST**	**QUANTITY**	**COST**
1	Curb, Gutter, Sidewalks & Drainage	Mi.	$874,000	0.00	$0
2	Vegetation Maintenance	Day	$2,000	5.00	$10,000
3	New Roadway	Lane-Mi.	$313,000	0.00	$0
4	Overlay Existing Roadway	Lane-Mi.	$86,000	0.00	$0
5	Reconstruct Existing Roadway	Lane-Mi.	$348,000	0.00	$0
6	Intersection Widening	EA	$54,000	0.00	$0
7	Restriping Existing Roadway	Lane-Mi.	$15,000	0.00	$0
8	New Signage	EA	$400	8.00	$3,200
9	New Signal	EA	$180,000	0.00	$0
10	Guardrail ends	EA	$800	0.00	$0
11	Guardrail	Mi.	$106,000	0.00	$0
12	Traffic Calming (See note 1)	%	-	0.0%	$0
13	Illumination	Mi.	$234,000	0.00	$0
14	Landscaping	Mi.	$225,000	0.00	$0
15	Access Consolidation	-		0.00	$0
16	Raised Pavement Markers	Mi.	$7,000	0.00	$0
	SUBTOTAL				***$13,200***

	ADDITIONAL COSTS		**RANGE**	**PERCENTAGE**	**COST**
	Construction Surveying		1.0-2.5%	1.0%	$100
	TP & DT		3.0-8.0%	5.0%	$700
	Mobilization		8.0-10.0%	8.0%	$1,100
	Erosion Control		0.5-2.0%	0.5%	$100
	Contingency		37.0%	37.0%	$4,900
	Escalation (per year)		3.5%	3.5%	
	-Current Year			2006	$0
	TOTAL CONSTRUCTION COST				***$20,100***
	Design Engineering	13.0%	13.0%	13.0%	$2,600
	Construction Engineering	10.0%	10.0%	10.0%	$2,000
	TOTAL PROJECT COST				**$30,000**

CH2M HILL
SUMMARY - QUICK COST ESTIMATE

PROJECT: OR 34 East Waldport Segment	REFERENCE NAME/PHONE		SHEET 1 of 1
DESIGN LEVEL: Preliminary			
KIND OF WORK: Roadway	LENGTH (MI.):	DATE 9/26/2007	NAME

NO.	ITEM	UNIT	UNIT COST	QUANTITY	COST
1	Curb, Gutter, Sidewalks & Drainage	Mi.	$874,000	0.00	$0
2	Vegetation Maintenance	Day	$2,000	0.00	$0
3	New Roadway	Lane-Mi.	$313,000	13.01	$4,072,130
4	Overlay Existing Roadway	Lane-Mi.	$86,000	2.13	$183,467
5	Reconstruct Existing Roadway	Lane-Mi.	$348,000	1.07	$371,200
6	Intersection Widening	EA	$54,000	0.00	$0
7	Restriping Existing Roadway	Lane-Mi.	$15,000	0.00	$0
8	New Signage	EA	$400	4.00	$1,600
9	New Signal	EA	$180,000	0.00	$0
10	Guardrail ends	EA	$800	0.00	$0
11	Guardrail	Mi.	$106,000	0.00	$0
12	Traffic Calming (See note 1)	%	-	0.0%	$0
13	Illumination	Mi.	$234,000	0.00	$0
14	Landscaping	Mi.	$225,000	0.00	$0
15	Bridges	SF	$200	0.00	$0
16	Raised Pavement Markers	Mi.	$7,000	0.00	$0
	SUBTOTAL				***$4,628,397***

	ADDITIONAL COSTS		RANGE	PERCENTAGE	COST
	Construction Surveying		1.0-2.5%	2.5%	$115,700
	TP & DT		3.0-8.0%	8.0%	$370,300
	Mobilization		8.0-10.0%	10.0%	$462,800
	Erosion Control		0.5-2.0%	2.0%	$92,600
	Contingency		37.0%	37.0%	$1,712,500
	Escalation (per year)		3.5%	3.5%	
	-Current Year			2006	$162,000
	TOTAL CONSTRUCTION COST				***$7,544,297***
	Design Engineering	13.0%	13.0%	13.0%	$980,800
	Construction Engineering	10.0%	10.0%	10.0%	$754,400
	TOTAL PROJECT COST				**$9,280,000**

CH2M HILL
SUMMARY - QUICK COST ESTIMATE

PROJECT: OR 18 Salmon River Segment	REFERENCE NAME/PHONE		SHEET 1 of 1
DESIGN LEVEL: Preliminary			
KIND OF WORK: Roadway	LENGTH (MI.):	DATE 9/26/2007	NAME

NO.	ITEM	UNIT	UNIT COST	QUANTITY	COST
1	Curb, Gutter, Sidewalks & Drainage	Mi.	$874,000	0.00	$0
2	Vegetation Maintenance	Day	$2,000	0.00	$0
3	New Roadway	Lane-Mi.	$313,000	0.00	$0
4	Overlay Existing Roadway	Lane-Mi.	$86,000	0.00	$0
5	Reconstruct Existing Roadway	Lane-Mi.	$348,000	0.00	$0
6	Intersection Widening	EA	$54,000	0.00	$0
7	Restriping Existing Roadway	Lane-Mi.	$15,000	0.00	$0
8	New Signage	EA	$400	10.00	$4,000
9	New Signal	EA	$180,000	0.00	$0
10	Guardrail ends	EA	$800	0.00	$0
11	Guardrail	Mi.	$106,000	0.00	$0
12	Traffic Calming (See note 1)	%	-	0.0%	$0
13	Illumination	Mi.	$234,000	0.00	$0
14	Landscaping	Mi.	$225,000	0.00	$0
15	Access Consolidation	-		0.00	$0
16	Raised Pavement Markers	Mi.	$7,000	0.00	$0
	SUBTOTAL				***$4,000***

	ADDITIONAL COSTS		RANGE	PERCENTAGE	COST
	Construction Surveying		1.0-2.5%	1.0%	$0
	TP & DT		3.0-8.0%	3.0%	$100
	Mobilization		8.0-10.0%	8.0%	$300
	Erosion Control		0.5-2.0%	0.5%	$0
	Contingency		37.0%	37.0%	$1,500
	Escalation (per year)		3.5%	3.5%	
	-Current Year			2006	$0
	TOTAL CONSTRUCTION COST				***$5,900***
	Design Engineering	13.0%	13.0%	13.0%	$800
	Construction Engineering	10.0%	10.0%	10.0%	$600
	TOTAL PROJECT COST				**<$10,000**

CH2M HILL
SUMMARY - QUICK COST ESTIMATE

PROJECT: OR 18 Otis SPIS Segment	REFERENCE NAME/PHONE		SHEET 1 of 1
DESIGN LEVEL: Preliminary			
KIND OF WORK: Roadway	LENGTH (MI.):	DATE 9/26/2007	NAME

NO.	ITEM	UNIT	UNIT COST	QUANTITY	COST
1	Curb, Gutter, Sidewalks & Drainage	Mi.	$874,000	0.00	$0
2	Vegetation Maintenance	Day	$2,000	0.00	$0
3	New Roadway	Lane-Mi.	$313,000	0.00	$0
4	Overlay Existing Roadway	Lane-Mi.	$86,000	0.00	$0
5	Reconstruct Existing Roadway	Lane-Mi.	$348,000	0.00	$0
6	Intersection Widening	EA	$54,000	0.00	$0
7	Restriping Existing Roadway	Lane-Mi.	$15,000	0.00	$0
8	New Signage	EA	$400	2.00	$800
9	New Signal	EA	$180,000	0.00	$0
10	Guardrail ends	EA	$800	0.00	$0
11	Guardrail	Mi.	$106,000	0.00	$0
12	Traffic Calming (See note 1)	%	-	0.0%	$0
13	Illumination	Mi.	$234,000	0.30	$70,200
14	Landscaping	Mi.	$225,000	0.00	$0
15	Access Consolidation	-		0.00	$0
16	Raised Pavement Markers	Mi.	$7,000	0.00	$0
	SUBTOTAL				***$71,000***

	ADDITIONAL COSTS		RANGE	PERCENTAGE	COST
	Construction Surveying		1.0-2.5%	2.5%	$1,800
	TP & DT		3.0-8.0%	8.0%	$5,700
	Mobilization		8.0-10.0%	10.0%	$7,100
	Erosion Control		0.5-2.0%	2.0%	$1,400
	Contingency		37.0%	37.0%	$26,300
	Escalation (per year)		3.5%	3.5%	
	-Current Year			2006	$2,000
	TOTAL CONSTRUCTION COST				***$115,300***
	Design Engineering	13.0%	13.0%	13.0%	$15,000
	Construction Engineering	10.0%	10.0%	10.0%	$11,500
	TOTAL PROJECT COST				**$150,000**

CH2M HILL
SUMMARY - QUICK COST ESTIMATE

PROJECT: OR 18 Bear Creek Rd	REFERENCE NAME/PHONE		SHEET 1 of 1
DESIGN LEVEL: Preliminary			
KIND OF WORK: Roadway	LENGTH (MI.):	DATE 9/26/2007	NAME

NO.	ITEM	UNIT	UNIT COST	QUANTITY	COST
1	Curb, Gutter, Sidewalks & Drainage	Mi.	$874,000	0.00	$0
2	Vegetation Maintenance	Day	$2,000	1.00	$2,000
3	New Roadway	Lane-Mi.	$313,000	0.29	$89,205
4	Overlay Existing Roadway	Lane-Mi.	$86,000	0.19	$16,340
5	Reconstruct Existing Roadway	Lane-Mi.	$348,000	0.00	$0
6	Intersection Widening	EA	$54,000	1.00	$54,000
7	Restriping Existing Roadway	Lane-Mi.	$15,000	1.50	$22,500
8	New Signage	EA	$400	0.00	$0
9	New Signal	EA	$180,000	0.00	$0
10	Guardrail ends	EA	$800	0.00	$0
11	Guardrail	Mi.	$106,000	0.00	$0
12	Traffic Calming (See note 1)	%	-	0.0%	$0
13	Illumination	Mi.	$234,000	0.00	$0
14	Landscaping	Mi.	$225,000	0.00	$0
15	Access Consolidation	-		0.00	$0
16	Raised Pavement Markers	Mi.	$7,000	0.00	$0
	SUBTOTAL				***$184,045***

	ADDITIONAL COSTS		RANGE	PERCENTAGE	COST
	Construction Surveying		1.0-2.5%	2.5%	$4,600
	TP & DT		3.0-8.0%	8.0%	$14,700
	Mobilization		8.0-10.0%	10.0%	$18,400
	Erosion Control		0.5-2.0%	2.0%	$3,700
	Contingency		37.0%	37.0%	$68,100
	Escalation (per year)		3.5%	3.5%	
	-Current Year			2006	$6,000
	TOTAL CONSTRUCTION COST				***$299,545***
	Design Engineering	13.0%	13.0%	13.0%	$38,900
	Construction Engineering	10.0%	10.0%	10.0%	$30,000
	TOTAL PROJECT COST				**$370,000**

CH2M HILL
SUMMARY - QUICK COST ESTIMATE

PROJECT: OR 18 Slick Rock Creek Road	REFERENCE NAME/PHONE		SHEET 1 of 1
DESIGN LEVEL: Preliminary			
KIND OF WORK: Roadway	LENGTH (MI.):	DATE 9/26/2007	NAME

NO.	ITEM	UNIT	UNIT COST	QUANTITY	COST
1	Curb, Gutter, Sidewalks & Drainage	Mi.	$874,000	0.00	$0
2	Vegetation Maintenance	Day	$2,000	1.00	$2,000
3	New Roadway	Lane-Mi.	$313,000	0.00	$0
4	Overlay Existing Roadway	Lane-Mi.	$86,000	0.00	$0
5	Reconstruct Existing Roadway	Lane-Mi.	$348,000	0.00	$0
6	Intersection Widening	EA	$54,000	0.00	$0
7	Restriping Existing Roadway	Lane-Mi.	$15,000	1.50	$22,500
8	New Signage	EA	$400	0.00	$0
9	New Signal	EA	$180,000	1.00	$180,000
10	Guardrail ends	EA	$800	0.00	$0
11	Guardrail	Mi.	$106,000	0.00	$0
12	Traffic Calming (See note 1)	%	-	0.0%	$0
13	Illumination	Mi.	$234,000	0.00	$0
14	Landscaping	Mi.	$225,000	0.00	$0
15	Access Consolidation	-		0.00	$0
16	Raised Pavement Markers	Mi.	$7,000	1.00	$7,000
	SUBTOTAL				***$211,500***

	ADDITIONAL COSTS		RANGE	PERCENTAGE	COST
	Construction Surveying		1.0-2.5%	2.5%	$5,300
	TP & DT		3.0-8.0%	5.0%	$10,600
	Mobilization		8.0-10.0%	8.0%	$16,900
	Erosion Control		0.5-2.0%	0.5%	$1,100
	Contingency		37.0%	37.0%	$78,300
	Escalation (per year)		3.5%	3.5%	
	-Current Year			2006	$7,000
	TOTAL CONSTRUCTION COST				***$330,700***
	Design Engineering	13.0%	13.0%	13.0%	$43,000
	Construction Engineering	10.0%	10.0%	10.0%	$33,100
	TOTAL PROJECT COST				**$410,000**

CH2M HILL
SUMMARY - QUICK COST ESTIMATE

PROJECT: OR 18 Rose Lodge SPIS Segment		REFERENCE NAME/PHONE			SHEET 1 of 1
DESIGN LEVEL: Preliminary					
KIND OF WORK: Roadway		LENGTH (MI.):		DATE 9/26/2007	NAME

NO.	ITEM	UNIT	UNIT COST	QUANTITY	COST
1	Curb, Gutter, Sidewalks & Drainage	Mi.	$874,000	0.00	$0
2	Vegetation Maintenance	Day	$2,000	1.00	$2,000
3	New Roadway	Lane-Mi.	$313,000	0.19	$59,470
4	Overlay Existing Roadway	Lane-Mi.	$86,000	0.00	$0
5	Reconstruct Existing Roadway	Lane-Mi.	$348,000	0.00	$0
6	Intersection Widening	EA	$54,000	0.00	$0
7	Restriping Existing Roadway	Lane-Mi.	$15,000	0.16	$2,400
8	New Signage	EA	$400	7.00	$2,800
9	New Signal	EA	$180,000	0.00	$0
10	Guardrail ends	EA	$800	0.00	$0
11	Guardrail	Mi.	$106,000	0.00	$0
12	Traffic Calming (See note 1)	%	-	0.0%	$0
13	Illumination	Mi.	$234,000	0.00	$0
14	Landscaping	Mi.	$225,000	0.00	$0
15	Access Consolidation	-		0.00	$0
16	Raised Pavement Markers	Mi.	$7,000	0.00	$0
	SUBTOTAL				***$66,670***

	ADDITIONAL COSTS		RANGE	PERCENTAGE	COST
	Construction Surveying		1.0-2.5%	2.5%	$1,700
	TP & DT		3.0-8.0%	8.0%	$5,300
	Mobilization		8.0-10.0%	10.0%	$6,700
	Erosion Control		0.5-2.0%	2.0%	$1,300
	Contingency		37.0%	37.0%	$24,700
	Escalation (per year)		3.5%	3.5%	
	-Current Year			2006	$2,000
	TOTAL CONSTRUCTION COST				***$108,370***
	Design Engineering	13.0%	13.0%	13.0%	$14,100
	Construction Engineering	10.0%	10.0%	10.0%	$10,800
	TOTAL PROJECT COST				**$140,000**