



Home of the Tualatin River National Wildlife Refuge

City of Sherwood
SURPAC Meeting
(Sherwood Urban Renewal Plan Advisory Committee)
Civic Building - Executive Room
22560 SW Pine Street. Sherwood, OR 97140
Date: March 1, 2012 – 6:30pm

A G E N D A

- | | |
|--|---------------|
| 1. Call Meeting to Order | Chair Harbick |
| 2. Approval of Minutes
(12/1/11) (02/15/12) | Chair Harbick |
| 3. Old Business | |
| a. BOOTS Paver Project Proposal Update | Lee Weislogel |
| b. Substantial Amendment Update | Tom Nelson |
| 4. Projects Update | Tom Nelson |
| a. Plaza | |
| b. Community Center | |
| c. Downtown Streets | |
| 5. Project Priorities Recommendation | Tom Nelson |
| 6. Change of May meeting date to 5/17/12 | Tom Nelson |
| 6. Adjourn | |

Next meeting: SURPAC will be meeting, Thursday, May 17, 2012 at 6:30pm in the Community Room at the City of Sherwood Civic Building.



SURPAC MEETING MINUTES

MEETING TITLE	SURPAC Meeting Notes
DATE & TIME	January 12, 2012 6:30PM
LOCATION	Sherwood Civic Building – Conference Room C
FACILITATOR	Charles Harbick – SURPAC Chairman
NOTES TAKEN BY	Tom Nelson

ATTENDEES

	Name of Board or Group	City Staff
Absent	Tim Heine Charles Harbick - Chair Vacant Bob Silverforb Mark Cottle Ken Marlow	Tom Nelson
Absent	Scott Johnson – Vice Chair Others In Attendance Lee Weislogel - BOOTS Angi Ford – BOOTS Jeff Sackett – Capstone/BOOTS TVF&R Representative Neil Shannon Tim Morgan	Council Liaison Matt Langer

MEETING NOTES

Approved: _____

1. The meeting was called to order at 6:30 pm by Chair Harbick
2. **Approval of Minutes** – Mr. Cottle moved and Mr. Silverforb seconded the motion to approve meeting minutes from 12/1/11. The motion carried 4-0
3. **BOOTS Paver Project Proposal:** As directed by SURPAC in its 12/1/11 meeting, Mr. Nelson prepared and presented a resolution from SURPAC that recommended a BOOTS Paver Proposal to the Sherwood Urban Renewal Board. Mr. Cottle asked if the intent of the resolution was to allow other non-profits to share in future paver proceeds. Mr. Nelson responded that the proposed resolution would allow that.

Mr. Cottle moved and Mr. Marlow seconded the motion to approve the resolution. The motion passed 4-0.

4. **Substantial Amendment:** Mr. Nelson reported that the Substantial Amendment process was moving forward, and that Elaine Howard would be presenting to the URA Board on January 17th and the Planning Commission on January 24th, and then the City Council on February 21st. He said that he would be presenting to the TVF&R Board on January 24th, as well.

5. **Projects Update:**

- a. **Plaza:** Mr. Nelson reported that the Plaza project should be complete by January 21st. He said that the work that remained was mechanical and fountain controls. He also reported that skateboarders had already gone around the fence and been skating on the plaza, and that the Council had asked staff to bring a skateboard ordinance to the next Council meeting.
- b. **Community Center:** Mr. Nelson asked Mr. Sackett to provide an update on the Community Center project. Mr. Sackett reported that R&H Construction was busily working to get construction drawings and bids ready, and that the project would probably be bid in mid-February. He said that it was going to be a great project, and that the target completion date is mid-September to the first of October, 2012.
- c. **Downtown Streets:** Mr. Nelson reported that the City Engineer, Bob Galati, is preparing a Request For Proposal to redevelop SW Railroad Street and SW Washington Street between SW Railroad and SW 1st, and the project should be completed this construction season. Mr. Nelson said it was important that the Substantial Amendment to Increase Maximum Indebtedness be approved to allow this project to proceed. Mr. Cottle asked if this was going to be a partial completion of the project as initially discussed, and Mr. Nelson responded that the streets would be fully redeveloped to match the new SW Pine section across the railroad tracks, and that it was made possible with the increase in Maximum Indebtedness. Mr. Cottle expressed concern that businesses would be hurt, and Mr. Nelson responded that the plan was to redevelop the alley first, and to provide sufficient signage to allow customer access through the back of the businesses affected during the reconstruction of SW Railroad. He said that the City would work with BOOTS and the affected businesses in Old Town to minimize the damage to their businesses.
- d. **Sherwood Forest Senior Affordable Housing:** Mr. Nelson reported that HUD did not award a grant for the project or any in Oregon this year, but that the Non-profit sponsor of the project was looking to receive other funding through Oregon Housing and Washington County to make the project work.

6. Mr. Nelson asked to change the next meeting to March 1st due to a conflict, and the committee agreed.

7. **Adjourn** – The meeting was adjourned at 7:05 p.m.



SURPAC MEETING MINUTES

MEETING TITLE	SURPAC SPECIAL Meeting Notes
DATE & TIME	February 15, 2012 5:00PM
LOCATION	Sherwood Civic Building – Conference Room A
FACILITATOR	Charles Harbick – SURPAC Chairman
NOTES TAKEN BY	Tom Nelson

ATTENDEES

	Name of Board or Group	City Staff
Absent	Tim Heine Charles Harbick - Chair Vacant Bob Silverforb Mark Cottle Ken Marlow	Tom Nelson
Absent	Scott Johnson – Vice Chair Others In Attendance Annette de Paz – Owner, Escape to Yoga Lee Weislogel – Sherwood Main Street Angi Ford – Sherwood Main Street Tim Morgan – Sherwood Main Street	Council Liaison

MEETING NOTES

Approved: _____

1. The **SPECIAL** meeting was called to order at 5:07 pm by Chair Harbick

2. **Façade Grants** – Mr. Nelson explained that the special meeting had been called to expedite façade improvement work to be done for applicants, stating that it would place a hardship on them to wait to act on this until the March 1st meeting. Mr. Cottle moved and Mr. Marlow seconded the motion to recommend approval for the two façade grants for properties at 22520 and 22566 SW Washington Street to the URA Board (Applications attached). The motion carried 4-0.

3. **Paver Project** – Though the topic was not on the Agenda, Mr. Cottle expressed his displeasure with the URA Board’s current response to the Paver Project recommendation that had come from SURPAC. Mr. Harbick, Mr. Marlow and Mr. Silverforb agreed that the Sherwood Main Street program should receive a larger share of net proceeds from the proposed Paver Program since it was their idea, and they would be charged with doing all of the work.

4. **Adjourn** –No other business was conducted. The meeting was adjourned at 5:17 pm.

Date: March 1, 2012

To: SURPAC

From: Tom Nelson, URA/Economic Development Manager



RE: URA Project Priorities

The table below reflects the list of projects included in the URA's substantial amendment approved by the Sherwood City Council on February 21, 2012. While the Council approved the amendment, the projects and the priorities are subject to change based on SURPAC's recommendation and City Council action.

These projects have been historically identified by SURPAC and the URA Board as important projects. A more detailed description of the projects prepared by City Engineer, Bob Galati, is attached. Some of the projects listed in the detail have subsequently been removed from the list based on yours and the Board's input. Some projects are already underway, and some are obligations due to developments underway.

SURPAC Project Priorities Update

Project	Estimated Cost
Infrastructure	
Complete Community Center Construction	1,949,530
Downtown Streetscapes Phase 2	2,950,000
Oregon Street Improvements	3,290,000
Alley Improvements in Old Town	500,000
Lincoln Street Improvements - Willamette to Division Street	734,000
Century Drive Extension	500,000
Cedar Creek Trail	300,000
Sub-Total Infrastructure	10,223,530
Property Acquisition	500,000
Façade Grants	200,000
Main Street Program	100,000
Parking Study	50,000
Sidewalk Improvements in Old Town	100,000
URA Administration	1,200,000
Traffic Re-routing Study and Plans for Old Town	175,000
Redevelopment of Public Land into Parking Lots	371,000
Sub-total Other Projects	2,696,000
Total	12,919,530



22560 SW Pine Street
 Sherwood, Oregon 97140
 Ph: 503-625-5522
 Fax: 503-625-5524
 WebSite: www.sherwoodoregon.gov

Memorandum

Date: October 19, 2011

Project: URA CIP Budgeting

To: Tom Nelson
 Tom Pessemier
 Craig Gibons

From: Bob Galati

Topic: Project Cost Estimates for Establishing URA CIP Budgeting and Maximum Indebtedness

Project	Description	Cost
Downtown Streetscapes Phase 2	Reconstruct Railroad Street between Pine and Main Streets, and Washington Street between Railroad and 1 st Streets to match Cannery street development	\$2.95 million
Oregon Street Improvements	Reconstruct Oregon Street between Lincoln Street and roundabout at Murdock to full TSP standards including regional trail option.	\$3.29 million
Lincoln Street Improvements – Willamette to Division Street	Rehabilitate Lincoln Street pavement section between Willamette and Division Streets. Does not bring road up to TSP standard for residential street section.	\$734K
Orcutt Court Street Improvements	Rehabilitate Orcutt Court pavement section. Does not bring road up to TSP standard for residential street section.	\$126K
Highland Drive Street Improvements	Rehabilitates Highland Drive pavement section. Does not bring road up to TSP standard for residential street section.	\$432K
Century Drive Extension	Road extension through Langer development. Part of development agreement.	\$500K City share
Cedar Creek Trail	City match for development of regional trail system through Sherwood.	\$200K - \$300K

The combined total estimated cost of the above referenced items is \$8.3 million.

Additional projects and associated estimated costs (if projects defined well enough) that could use URA funds are:

Project Description	Estimated Cost
Property Acquisition	\$500,000
Façade Grants	\$200,000
Main Street Program	\$100,000
Parking Study	\$35K to \$50K
Alley improvements in Old Town area	\$450K to \$500K
Sidewalk improvements in Old Town area	\$50K to \$100K
URA Administration Costs	\$1,200,000
Traffic rerouting study and plans for Old Town area	\$125K to \$175K
Redevelopment of public lands into parking lots	\$371,000

The combined total estimated cost of the above referenced items is \$3.2 million.

SW Oregon St. Road Rebuild

I have put together a cost estimate for SW Oregon St. road rebuild from SW Lincoln St. to the Oregon St. roundabout. The project would need 50ft for ROW to build a cross section of 6 ft sidewalk, 5 ft planter strip, two travel lanes of 11ft width, 5 ft planter strip, and a 12 ft path. The path would be on the tannery side of the road.

The cost estimate is divided into 3 parts. Please see attached spreadsheet for the cost estimates. One part is a 3/4 street improvement. This improvement is for a full width build from Lincoln St. to the corner of Oregon St and then a 3/4 build from the corner to the roundabout. The second part is a 1/4 build for the property from the corner to the tannery site. The 3rd part is a 1/4 build out for the tannery site.

There currently is an outfall on the tannery site that can possibly be used to run a line to a WQF. A new facility would need to be constructed. The two options for a WQF is to build one that only accounts for the storm water from the roadway or a facility that would be able to account for storm water from the roadway and the future development of the tannery site and the other property along the north side of the road. A WQF for the roadway only would need to be approximately 5,000 cu ft. The other option for a WQF would approximately need to be 46,000 cu ft. I do not have cost calculations for these. Although, in the cost estimate for the 3/4 street improvement, there is an estimate for the environmental design and permitting cost.

ITEM NO.	DESCRIPTION	Quantity	Units	\$/Unit	Item Total	Section Subtotal
GENERAL REQUIREMENTS						
1	Construction Staking	1	LS	\$50,000.00	\$50,000.00	
						\$50,000.00
MOBILIZATION						
2	Mobilization - 7% of Material Cost	1	LS	\$130,211.24	\$130,211.24	
						\$130,211.24
EROSION/SEDIMENT CONTROL AND TRAFFIC CONTROL						
3	Temporary Protection and Direction of Traffic (Complete)	1	LS	\$5,000.00	\$5,000.00	
4	Flaggers	500	HR	\$100.00	\$50,000.00	
5	Erosion Control (Complete)	1	LS	\$2,500.00	\$2,500.00	
6	Pollution Control Plan	1	LS	\$1,500.00	\$1,500.00	
						\$59,000.00
DEMOLITION						
8	Removal of Structures and Obstructions	1	LS	\$50,000.00	\$50,000.00	
10	Clearing and Grubbing	1	LS	\$12,000.00	\$12,000.00	
11	Tree Trimming	1	LS	\$2,500.00	\$2,500.00	
12	Tree Removal	2	EA	\$1,000.00	\$2,000.00	
13	Tree Protection	1	LS	\$1,000.00	\$1,000.00	
14	General Excavation	12000	CY	\$15.00	\$180,000.00	
						\$247,500.00
STORM, SANITARY AND WATER						
15	10 Inch D3034 PVC Pipe, White (Storm)	800	LF	\$55.00	\$44,000.00	
16	12 Inch D3034 PVC Pipe, White (Storm)	51	LF	\$63.00	\$3,213.00	
17	30 Inch D3034 PVC Pipe, White (Storm)	551	LF	\$90.00	\$49,590.00	
18	36 Inch D3034 PVC Pipe, White (Storm)	1578	LF	\$100.00	\$157,800.00	
19	8 Inch D3034 PVC Pipe, Green (Sanitary)	1200	LF	\$50.00	\$60,000.00	
20	12 Inch D3034 PVC Pipe, Green (Sanitary)	1963	LF	\$65.00	\$127,595.00	
21	Connect Laterals	11	EA	\$250.00	\$2,750.00	
22	6 Inch Ductile Iron (Water)	1099	LF	\$50.00	\$54,950.00	
23	12 Inch Ductile Iron (Water)	1456	LF	\$90.00	\$131,040.00	
24	TV Pipe Inspection	3140	LF	\$1.50	\$4,710.00	
25	Concrete Sanitary Manholes, 48 Inch	16	EA	\$3,000.00	\$48,000.00	
26	Install Standard Catch Basin CG-2	11	EA	\$1,300.00	\$14,300.00	
						\$697,948.00
ROADWORK - Listed In the TSP as a Collector street						
27	Subgrade Geotextile	5325	SY	\$2.50	\$13,312.50	
28	Cold Plan Pavement Removal 0 - 4 Inch Deep	47800	SF	\$5.00	\$239,000.00	
29	3/4 Inch - 0 Aggregate Base - 2" Thick	300	CY	\$10.00	\$3,000.00	
30	1-1/2 Inch - 0 Aggregate Base - 10" Thick	1500	CY	\$25.00	\$37,500.00	
31	4" of Level 2, 1/2 Inch Dense HMAC	1225	TON	\$80.00	\$98,000.00	
32	Curb and Gutter Concrete Curbs	3000	LF	\$16.00	\$48,000.00	
33	Mountable Concrete Curb	260	LF	\$10.00	\$2,600.00	
34	Refinish Driveways	6	EA	\$1,000.00	\$6,000.00	
35	Concrete Walks	24200	SF	\$5.00	\$121,000.00	
36	Ada Drops	9	EA	\$3,500.00	\$31,500.00	
37	Permanent Pavement Striping, Complete	1	LS	\$5,000.00	\$5,000.00	
38	Permanent Signing, Complete	1	LS	\$5,000.00	\$5,000.00	
						\$609,912.50
LIGHTING						
39	Roadway Lighting Installation, Complete	1	LS	\$12,000.00	\$12,000.00	
40	Street Lighting, 2 Inch Schedule 40 PVC Conduit	3400	LF	\$5.00	\$17,000.00	
						\$29,000.00
MISC.						
41	Landscaping (Private Fences, Yards, etc.)	1	LS	\$25,000.00	\$25,000.00	
42	Mailboxes	5	EA	\$2,000.00	\$10,000.00	
43	Irrigation system, Private and Public	1	LS	\$10,000.00	\$10,000.00	
44	Fiber Optic, 2 Inch HDPE Conduit	2600	LF	\$3.00	\$7,800.00	
45	Right-of-Way Acquisition	1300	SQFT	\$30.00	\$39,000.00	
46	Utility Undergrounding	1	LS	\$50,000.00	\$50,000.00	
47	Residential Service Connection to Houses	1	LS	\$25,000.00	\$25,000.00	
						\$166,800.00
	Sub-Total Construction Cost					\$1,990,371.74
	Construction Contingency Cost (30% of Sub-Total Construction Cost)					\$597,111.52
	Total Construction Cost					\$2,587,483.26
	Design Costs					
	Engineering (15% of Construction Cost, includes construction Management)					\$388,122.49
	Environmental (2.5% of Construction Cost)					\$64,687.08
	Geotechnical (1.5% of Construction Cost)					\$38,812.25
	Survey (2% of Construction Cost)					\$51,749.67
	Electrical Engineer (2.5% of Construction Cost)					\$64,687.08
	Sub-Total Design Costs					\$608,058.57
	Design Contingency Cost (15% of Sub-Total Design Costs)					\$91,208.78
	Total Design Costs					\$699,267.35
	Total Estimated Project Cost					\$3,286,750.61

City of Sherwood
Downtown Streetscapes Phase 2
Preliminary Cost Estimate

Full Street Improvements

Item	Description	Quantity	Units	\$/Unit	Item Total	Section Subtotal
Section 1 - Mobilization						
1a	Staging and Site Prep (7% of sub-total construction cost)	1	LS	\$100,300.00	\$ 100,300.00	\$ 100,300.00
Section 2 - Erosion and Sediment Control						
2a	Inlet Protection	8	EA	\$ 59.00	\$ 472.00	
2b	Biofilter Bags	25	EA	\$ 12.00	\$ 300.00	
2c	Off-Site Street Cleaning	1	LS	\$ 2,500.00	\$ 2,500.00	
2d	Construction Entrance	1	LS	\$ 1,500.00	\$ 1,500.00	
2e	Concrete Washout Facility	1	LS	\$ 2,000.00	\$ 2,000.00	\$ 6,772.00
Section 3 - Traffic Control						
3a	Signage Business Information	1	LS	\$ 5,000.00	\$ 5,000.00	
3b	Temporary Traffic Control Signage	1	LS	\$ 7,500.00	\$ 7,500.00	
3c	Barricades - Type III	6	EA	\$ 250.00	\$ 1,500.00	
3d	Flaggers	240	Hr	\$ 37.00	\$ 8,880.00	
3e	Cones and Barrels	50	EA	\$ 32.00	\$ 1,600.00	
3f	Variable Message Boards (purchase new)	2	EA	\$ 30,000.00	\$ 60,000.00	
3g	Variable Message Boards (rent for 4 months)	4	EA	\$ 6,400.00	\$ 25,600.00	\$ 110,080.00
Section 4 - Demolition						
4a	Removal of Concrete Pavement	1798	SY	\$ 12.00	\$ 21,576.00	
4b	Removal of AC Pavement	1456	SY	\$ 9.00	\$ 13,104.00	
4c	General Excavation (19.5" Depth)	1763	CY	\$ 24.00	\$ 42,312.00	
4d	AC Pavement Sawcutting	50	LF	\$ 3.00	\$ 150.00	
4e	Removal of Concrete Curbs	1252	LF	\$ 7.00	\$ 8,764.00	
4f	Removal of Sidewalks & Driveway Drops	352	SY	\$ 20.00	\$ 7,040.00	
4g	Remove and Salvage Tree Grates	22	EA	\$ 125.00	\$ 2,750.00	
4h	Remove and Salvage Street Lights	20	EA	\$ 150.00	\$ 3,000.00	\$ 98,696.00
Section 5 - Streets						
Street Base Treatment						
5a	12" CTB Subgrade Stabilization	3254	SY	\$ 16.00	\$ 52,064.00	
5b	Subgrade Geotextile Fabric	3254	SY	\$ 7.00	\$ 22,778.00	
5c	1-1/2"-0" Aggregate Base Rock, 12" thick section	2196	Ton	\$ 20.00	\$ 43,920.00	
5d	3/4"-0" Aggregate Base Rock, 2" thick section	366	Ton	\$ 22.00	\$ 8,052.00	
Street Structures						
5e	Low Profile Mountable Concrete Curb	1252	LF	\$ 27.00	\$ 33,804.00	
5f	9.5" Thick, Class 4350, Plain Concrete Surface, doweled	3254	SY	\$ 120.00	\$ 390,480.00	
5g	Integral Colored Concrete, color only	1908	SF	\$ 22.00	\$ 41,976.00	
5h	4.5" Thick, Class 4350, colored, stamped, ped crossings	212	SY	\$ 175.00	\$ 37,100.00	
Sidewalks						
5i	Concrete Sidewalks	6260	SF	\$ 5.00	\$ 31,300.00	
5j	Driveway Drops	240	SF	\$ 10.00	\$ 2,400.00	
5k	Sidewalk Ramps ADA	6	EA	\$ 1,750.00	\$ 10,500.00	
5l	Pebble Strip	418	SY	\$ 85.00	\$ 35,530.00	
Street Monuments						
5m	Type "A" Monument	2	EA	\$ 12,000.00	\$ 24,000.00	
5n	Type "B" Monument	2	EA	\$ 12,000.00	\$ 24,000.00	
Street Striping						
5o	Thermoplastic Striping	1	LS	\$ 3,000.00	\$ 3,000.00	\$ 760,904.00

City of Sherwood
Downtown Streetscapes Phase 2
Preliminary Cost Estimate
Full Street Improvements

Item	Description	Quantity	Units	\$/Unit	Item Total	Section Subtotal
Section 6 - Lighting						
6a	Light Pole, Fixed Base (Type AA, BB, DD)	20	EA	\$ 1,185.00	\$ 23,700.00	
6b	Lighting Pole, (Specialty Type CC)	10	EA	\$ 1,185.00	\$ 11,850.00	
6c	Lighting Pole, (Specialty Type BB, w/GFCI)	4	EA	\$ 1,300.00	\$ 5,200.00	
6d	Lighting Pole, (Specialty Type CC, w/GFCI)	10	EA	\$ 1,285.00	\$ 12,850.00	
6e	Lighting Pole Arms, (Single Type AA)	4	EA	\$ 1,000.00	\$ 4,000.00	
6f	Lighting Pole Arms, (Single Type BB, CC, DD)	40	EA	\$ 1,200.00	\$ 48,000.00	
6g	Luminaires - QL Pedset (Type AA, BB, CC)	44	EA	\$ 2,000.00	\$ 88,000.00	
6h	Luminaires - 150 MH Intersect (Type EE)	3	EA	\$ 9,000.00	\$ 27,000.00	
6i	Wiring	1	LS	\$ 20,000.00	\$ 20,000.00	
6j	Lighting Control Center	1	LS	\$ 70,000.00	\$ 70,000.00	
6k	1" PVC Conduit	1252	LF	\$ 2.10	\$ 2,629.20	
6l	1-1/2" PVC Conduit	1000	LF	\$ 2.70	\$ 2,700.00	
6m	3"-Sch 80 PVC Conduit	1878	LF	\$ 3.50	\$ 6,573.00	
6n	3"-Sch 40 PVC Conduit	500	LF	\$ 3.25	\$ 1,625.00	
6o	Splice Box - Cast Polymer Concrete	44	EA	\$ 820.00	\$ 36,080.00	
6p	Duplex GFCI Receptacle w/in-use cover	44	EA	\$ 92.00	\$ 4,048.00	
6q	Light Pole Foundations	44	EA	\$ 750.00	\$ 33,000.00	
						\$ 397,255.20
Section 7 - Sanitary Sewer System						
7a	Pipe Bursting 12" dia, HDPE ASTM D-3035, SDR-17	200	LF	\$ 120.00	\$ 24,000.00	
7b	Connect to Existing Pipe	2	EA	\$ 1,500.00	\$ 3,000.00	
7c	Adjust Manhole to Grade	1	EA	\$ 150.00	\$ 150.00	
						\$ 27,150.00
Section 8 - Storm Sewer System						
8a	Remove existing catchbasins	4	EA	\$ 250.00	\$ 1,000.00	
8b	Install Std Catch Basin CG-2	4	EA	\$ 1,100.00	\$ 4,400.00	
8c	Adjust Manhole to Grade	2	EA	\$ 150.00	\$ 300.00	
8d	10" HDPE Storm Pipe, installed complete in-place	200	LF	\$ 24.00	\$ 4,800.00	
						\$ 10,500.00
Section 9 - Water System						
9a	Adjust Valve Box to Grade	10	EA	\$ 150.00	\$ 1,500.00	
						\$ 1,500.00
Section 10 - Landscaping						
10a	Irrigation System	1	LS	\$ 10,000.00	\$ 10,000.00	
10b	Plantings	1	LS	\$ 10,000.00	\$ 10,000.00	
						\$ 20,000.00
Sub-Total Construction Cost						\$ 1,533,157.20
Construction Contingency Cost (50% of Sub-Total Construction Cost)						\$ 766,578.60
Total Construction Cost						\$ 2,299,735.81
Design Costs						
Engineering (15% of Construction Cost, includes construction management)						\$ 344,960.37
Geotechnical (1.5% of Construction Cost)						\$ 34,496.04
Survey (2% of Construction Cost)						\$ 45,994.72
<u>Electrical Engineer (2.5% of Construction Cost)</u>						\$ 57,493.40
Sub-Total Design Costs						\$ 482,944.52
Design Contingency Cost (30% of Sub-Total Design Costs)						\$ 144,883.36
Total Design Costs						\$ 627,827.88
Total Estimated Project Cost						\$ 2,927,563.68

City of Sherwood

9/16/2011

SW Lincoln St. Alt. (Willamette St. to Division St.)

Preliminary Cost Estimate

ITEM NO.	DESCRIPTION	Quantity	Units	\$/Unit	Item Total	Section Subtotal
1	Mobilization	1	LS	\$28,390.25	\$28,390.25	\$28,390.25
2	Traffic Control	1	LS	\$4,000.00	\$4,000.00	\$4,000.00
3	Erosion Control	1	LS	\$1,500.00	\$1,500.00	\$1,500.00
4	Construction Staking	1	LS	\$1,500.00	\$1,500.00	\$1,500.00
5	Tree Trimming	1	LS	\$1,000.00	\$1,000.00	\$1,000.00
6	AC Pavement Sawcut	110	LF	\$7.50	\$825.00	\$825.00
7	Asphalt Demolition	62000	SQFT	\$1.50	\$93,000.00	\$93,000.00
8	7" CTB Subgrade Stabilization	7600	SQYD	\$16.00	\$121,600.00	\$121,600.00
9	Treated subgrade - 5% Portland Cement	125	TON	\$130.00	\$16,250.00	\$16,250.00
10	3/4 Inch - 0 Aggregate Base --2" Removal	390	CUYD	\$25.00	\$9,750.00	\$9,750.00
11	5" of Level 2, 1/2 Inch Dense HMAC, 2 Lifts	1950	TON	\$75.00	\$146,250.00	\$146,250.00
12	Thermoplastic Striping	30	LF	\$75.00	\$2,250.00	\$2,250.00
13	Pavement Striping	1100	LF	\$1.50	\$1,650.00	\$1,650.00
14	Adjust Structures to Grade	12	EA	\$500.00	\$6,000.00	\$6,000.00
Sub-Total Construction Cost						\$433,965.25
Construction Contingency Cost (30% of Sub-Total Construction Cost)						\$130,189.58
Total Construction Cost						\$564,154.83
 Design Costs						
Engineering (30% of Construction Cost, includes construction Management)						\$169,246.45
Total Design Costs						\$169,246.45
 Total Estimated Project Cost						\$733,401.27

City of Sherwood
SW Highland St. Alt.
Preliminary Cost Estimate

9/16/2011

ITEM NO.	DESCRIPTION	Quantity	Units	\$/Unit	Item Total	Section Subtotal
1	Mobilization	1	LS	\$16,727.73	\$16,727.73	\$16,727.73
2	Traffic Control	1	LS	\$4,000.00	\$4,000.00	\$4,000.00
3	Erosion Control	1	LS	\$1,500.00	\$1,500.00	\$1,500.00
4	Construction Staking	1	LS	\$1,500.00	\$1,500.00	\$1,500.00
5	Tree Trimming	1	LS	\$1,000.00	\$1,000.00	\$1,000.00
6	AC Pavement Sawcut	105	LF	\$7.50	\$787.50	\$787.50
7	Asphalt Demolition	36400	SQFT	\$1.50	\$54,600.00	\$54,600.00
8	7" CTB Subgrade Stabilization	4100	SQYD	\$16.00	\$65,600.00	\$65,600.00
9	Treated subgrade - 5% Portland Cement	75	TON	\$130.00	\$9,750.00	\$9,750.00
10	3/4 Inch - 0 Aggregate Base --2" Removal	230	CUYD	\$25.00	\$5,750.00	\$5,750.00
11	5" of Level 2, 1/2 Inch Dense HMAC, 2 Lifts	1150	TON	\$75.00	\$86,250.00	\$86,250.00
12	Thermoplastic Striping	40	LF	\$75.00	\$3,000.00	\$3,000.00
13	Pavement Striping	820	LF	\$1.50	\$1,230.00	\$1,230.00
14	Adjust Structures to Grade	8	EA	\$500.00	\$4,000.00	\$4,000.00
Sub-Total Construction Cost						\$255,695.23
Construction Contingency Cost (30% of Sub-Total Construction Cost)						\$76,708.57
Total Construction Cost						\$332,403.79
 Design Costs						
Engineering (30% of Construction Cost, includes construction Management)						\$99,721.14
Total Design Costs						\$99,721.14
 Total Estimated Project Cost						\$432,124.93

City of Sherwood
 SW Orcutt Ct.
 Preliminary Cost Estimate

9/16/2011

ITEM NO.	DESCRIPTION	Quantity	Units	\$/Unit	Item Total	Section Subtotal
1	Mobilization	1	LS	\$4,879.14	\$4,879.14	\$4,879.14
2	Traffic Control	1	LS	\$2,500.00	\$2,500.00	\$2,500.00
3	Erosion Control	1	LS	\$1,000.00	\$1,000.00	\$1,000.00
4	Costruction Staking	1	LS	\$1,500.00	\$1,500.00	\$1,500.00
5	Tree Trimming	1	LS	\$500.00	\$500.00	\$500.00
6	AC Pavement Sawcut	45	LF	\$7.50	\$337.50	\$337.50
7	Asphalt Demolition	9729	SQFT	\$1.50	\$14,593.50	\$14,593.50
8	7" CTB Subgrade Stabilization	1081	SQYD	\$16.00	\$17,296.00	\$17,296.00
9	Treated subgrade - 5% Portland Cement	20	TON	\$130.00	\$2,600.00	\$2,600.00
10	3/4 Inch - 0 Aggregate Base --2" Removal	65	CUYD	\$25.00	\$1,625.00	\$1,625.00
11	5" of Level 2, 1/2 Inch Dense HMAC, 2 Lifts	310	TON	\$75.00	\$23,250.00	\$23,250.00
12	Thermoplastic Striping	15	LF	\$75.00	\$1,125.00	\$1,125.00
13	Pavement Striping	250	LF	\$1.50	\$375.00	\$375.00
14	Adjust Structures to Grade	6	EA	\$500.00	\$3,000.00	\$3,000.00
	Sub-Total Construction Cost					\$74,581.14
	Construction Contingency Cost (30% of Sub-Total Construction Cost)					\$22,374.34
	Total Construction Cost					\$96,955.48
	Design Costs					
	Engineering (30% of Construction Cost, includes construction Management)					\$29,086.64
	Total Design Costs					\$29,086.64
	Total Estimated Project Cost					\$126,042.13