



# Appendix E

# Cost Estimates

Stayton, OR  
Storm Water Master Plan CIP

Priority Improvements							
Item (2007 Project Costs*)	Priority 1	Priority 2	Priority 3	Priority 4	Future	Total	% Benefiting Growth
<b><u>Priority 1 (2008)</u></b>							
<b><u>1A</u></b>							
Wetland Preservation	\$792,000						60%
Shaff Road Detention Basin and piping	\$1,754,700						10%
10th Ave Detention Basin and piping	\$765,100						15%
PRIORITY 1A SUBTOTAL	\$3,311,800						
<b><u>1B</u></b>							
Industrial Detention Site Improvements	\$95,000						25%
Shaff Road Basin Pipeline Improvements	\$3,575,500						5%
10th Avenue Pipeline Improvements	\$818,500						15%
Norpac NE Detention Site	\$620,800						0%
5 Additional Manhole Monitoring Equipement	\$96,700						0%
PRIORITY 1B SUBTOTAL	\$5,206,500						
<b>Total Priority 1</b>	<b>\$8,518,300</b>						
<b><u>Priority 2 (2010)</u></b>							
Fir to Regis through Regis HS Parking Lot		\$358,800					5%
Evergreen Ave to Norpac Dtn Site		\$575,600					5%
3rd and Jefferson to Library Dtn Site		\$2,115,000					5%
Millstream Woods to Norpac SW Dtn Site		\$1,975,400					10%
<b>Total Priority 2</b>		<b>\$5,024,800</b>					
<b><u>Priority 3 (2015)</u></b>							
Sylvan Meadows Subdivision			\$72,100				0%
Gardner Road-Regis High School			\$637,800				5%
Wedgewood Place			\$736,600				0%
Western Avenue			\$732,400				0%
<b>Total Priority 3</b>			<b>\$2,178,900</b>				
<b><u>Priority 4 (2020)</u></b>							
Library Improvements				\$49,500			0%
1st Avenue				\$122,300			0%
Washington Street Area				\$216,600			42%
North Peach Street				\$82,500			50%
<b>Total Priority 4</b>				<b>\$470,900</b>			
<b><u>Future**</u></b>							
Pacific Court					\$349,600		
Fern Ridge Street Area					\$1,701,400		34%
Dozler Property Area					\$740,800		48%
Phillips Property Area					\$1,991,900		87%
Larch Avenue					\$130,200		0%
Detention Facilities					\$3,402,000		98%
Pipeline Upsize Costs (over 18")					\$1,430,800		0%
<b>Total Future</b>					<b>\$9,746,700</b>		
<b>TOTAL (rounded)</b>	<b>\$8,518,300</b>	<b>\$5,024,800</b>	<b>\$2,178,900</b>	<b>\$470,900</b>	<b>\$9,746,700</b>	<b>\$25,939,600</b>	

\* All costs in 2007 Dollars. Costs include engineering and contingencies.

\*\* Timing depends on when growth occurs. Development participation anticipated.

Stayton Storm Water Master Plan  
Priority 1 Improvements

Item	Unit	Unit Price	Estimated Quantity	Cost (Rounded)	
<b>Industrial Detention Site Improvements</b>				<b>1A</b>	<b>1B</b>
Rebuild Berm on east edge of dtn pond	CY	\$15	540		\$8,100
Divert farm flow to ditch to north	CY	\$15	4500		\$67,500
Mobilization	%	5%			\$405
<i>Total Construction Costs</i>					\$76,005
Contingency	%	10%			\$7,601
Engineering & Legal	%	15%			\$11,401
<b>Detention Outlet Control Subtotal</b>					<b>\$95,000</b>
<b>Wetland Preservation</b>					
Land Acquisition	AC	\$20,000	35	\$700,000	
Legal and Permitting	EA	\$20,000	1	\$20,000	
<i>Total Costs</i>					\$720,000
Contingency	%	10%			\$72,000
<b>Wetland Subtotal</b>					<b>\$792,000</b>
<b>Additional Monitoring Manholes</b>					
Manholes	EA	\$3,500	5		\$17,500
Manhole Monitoring Equipment	EA	\$9,200	5		\$46,000
<i>Sum</i>					\$63,500
Mobilization	%	5%			\$3,200
<i>Total Construction Costs</i>					\$66,700
Contingency	%	30%			\$20,010
Engineering	%	15%			\$10,005
<b>Fir to Regis Subtotal</b>					<b>\$96,700</b>
<b>Shaff Road Basin Improvements</b>				<b>1A</b>	<b>1B</b>
<b>Fir to Hollister on 6th Ave</b>					
Parallel 30" Storm Water Line	LF	\$180	250		\$45,000
Manholes	EA	\$3,500	2		\$7,000
Manhole interties	EA	\$4,500	2		\$9,000
Additional/Replacement Catch Basins	EA	\$1,800	6		\$10,800
Additional 10" pipe to tie in catch basins	LF	\$49	180		\$8,820
Additional cost for Control Density Backfill	LF	\$40	0		\$0
Pavement Repair- 1/2 lane	LF	\$30	250		\$7,500
Pavement Repair- Full Lane	LF	\$52	0		\$0
Utilities	LF	\$6	250		\$1,500
Traffic Control	LF	\$2	250		\$500
<b>6th Ave to 5th Ave on Hollister</b>					
Parallel 36" Storm Water Line	LF	\$200	300		\$60,000
Manholes	EA	\$3,500	1		\$3,500
Manhole interties	EA	\$4,500	1		\$4,500
Additional/Replacement Catch Basins	EA	\$1,800	3		\$5,400
Additional 10" pipe to tie in catch basins	LF	\$49	90		\$4,410
Additional cost for Control Density Backfill	LF	\$40	0		\$0
Pavement Repair- 1/2 lane	LF	\$30	300		\$9,000
Pavement Repair- Full Lane	LF	\$52	0		\$0
Utilities	LF	\$6	300		\$1,800
Traffic Control	LF	\$2	300		\$600
<b>Santiam to Robidoux on 6th Ave</b>					
Single 24" Storm Water Line	LF	\$115	530		\$60,950
Manholes	EA	\$3,500	3		\$10,500
Manhole interties	EA	\$4,500	3		\$13,500
Additional/Replacement Catch Basins	EA	\$1,800	6		\$10,800
Additional 10" pipe to tie in catch basins	LF	\$49	180		\$8,820
Additional cost for Control Density Backfill	LF	\$40	0		\$0
Pavement Repair- 1/2 lane	LF	\$30	530		\$15,900
Pavement Repair- Full Lane	LF	\$52	0		\$0
Utilities	LF	\$6	530		\$3,180
Traffic Control	LF	\$2	530		\$1,060
<b>6th Ave to 5th Ave on Robidoux</b>					
Single 24" Storm Water Line	LF	\$115	320		\$36,800
Manholes	EA	\$3,500	1		\$3,500
Manhole interties	EA	\$4,500	1		\$4,500
Additional/Replacement Catch Basins	EA	\$1,800	5		\$9,000
Additional 10" pipe to tie in catch basins	LF	\$49	150		\$7,350
Additional cost for Control Density Backfill	LF	\$40	0		\$0
Pavement Repair- 1/2 lane	LF	\$30	320		\$9,600
Pavement Repair- Full Lane	LF	\$52	0		\$0
Utilities	LF	\$6	320		\$1,920
Traffic Control	LF	\$2	320		\$640

Stayton Storm Water Master Plan  
Priority 1 Improvements

Item	Unit	Unit Price	Estimated Quantity	Cost (Rounded)
<b>Robidoux to Hollister on 5th Ave</b>				
Single 24" Storm Water Line	LF	\$115	300	\$34,500
Manholes	EA	\$3,500	0	\$0
Manhole interties	EA	\$4,500	0	\$0
Additional/Replacement Catch Basins	EA	\$1,800	5	\$9,000
Additional 10" pipe to tie in catch basins	LF	\$49	150	\$7,350
Additional cost for Control Density Backfill	LF	\$40	0	\$0
Pavement Repair- 1/2 lane	LF	\$30	300	\$9,000
Pavement Repair- Full Lane	LF	\$52	0	\$0
Utilities	LF	\$6	300	\$1,800
Traffic Control	LF	\$2	300	\$600
<b>5th Ave to 1st Ave on Hollister</b>				
Parallel 36" Storm Water Line	LF	\$200	941	\$188,200
Manholes	EA	\$3,500	4	\$14,000
Manhole interties	EA	\$4,500	5	\$22,500
Additional/Replacement Catch Basins	EA	\$1,800	15	\$27,000
Additional 10" pipe to tie in catch basins	LF	\$49	450	\$22,050
Additional cost for Control Density Backfill	LF	\$40	941	\$37,640
Pavement Repair- 1/2 lane	LF	\$30	0	\$0
Pavement Repair- Full Lane	LF	\$52	941	\$48,932
Utilities	LF	\$6	941	\$5,646
Traffic Control	LF	\$2	941	\$1,882
<b>Hollister to Cedar on 1st Ave</b>				
Parallel 42" Storm Water Line	LF	\$218	800	\$174,400
Manholes	EA	\$3,500	4	\$14,000
Manhole interties	EA	\$4,500	4	\$18,000
Additional/Replacement Catch Basins	EA	\$1,800	15	\$27,000
Additional 10" pipe to tie in catch basins	LF	\$49	450	\$22,050
Additional cost for Control Density Backfill	LF	\$40	800	\$32,000
Pavement Repair- 1/2 lane	LF	\$30	0	\$0
Pavement Repair- Full Lane	LF	\$52	800	\$41,600
Utilities	LF	\$6	800	\$4,800
Traffic Control	LF	\$2	800	\$1,600
<b>Cedar to Regis on 1st Ave</b>				
Parallel 36" Storm Water Line	LF	\$200	647	\$129,400
Manholes	EA	\$3,500	3	\$10,500
Manhole interties	EA	\$4,500	3	\$13,500
Additional/Replacement Catch Basins	EA	\$1,800	6	\$10,800
Additional 10" pipe to tie in catch basins	LF	\$49	180	\$8,820
Additional cost for Control Density Backfill	LF	\$40	647	\$25,880
Pavement Repair- 1/2 lane	LF	\$30	0	\$0
Pavement Repair- Full Lane	LF	\$52	647	\$33,644
Utilities	LF	\$6	647	\$3,882
Traffic Control	LF	\$2	647	\$1,294
<b>1st Ave to Kathy on Regis</b>				
Parallel 36" Storm Water Line	LF	\$200	883	\$176,600
Manholes	EA	\$3,500	3	\$10,500
Manhole interties	EA	\$4,500	3	\$13,500
Additional/Replacement Catch Basins	EA	\$1,800	5	\$9,000
Additional 10" pipe to tie in catch basins	LF	\$49	150	\$7,350
Additional cost for Control Density Backfill	LF	\$40	0	\$0
Pavement Repair- 1/2 lane	LF	\$30	883	\$26,490
Pavement Repair- Full Lane	LF	\$52	0	\$0
Utilities	LF	\$6	883	\$5,298
Traffic Control	LF	\$2	883	\$1,766
<b>Kathy to Gardner on Regis</b>				
Parallel 36" Storm Water Line	LF	\$200	1,460	\$292,000
Manholes	EA	\$3,500	3	\$10,500
Manhole interties	EA	\$4,500	3	\$13,500
Additional/Replacement Catch Basins	EA	\$1,800	9	\$16,200
Additional 10" pipe to tie in catch basins	LF	\$49	270	\$13,230
Additional cost for Control Density Backfill	LF	\$40	0	\$0
Pavement Repair- 1/2 lane	LF	\$30	1,460	\$43,800
Pavement Repair- Full Lane	LF	\$52	0	\$0
Utilities	LF	\$6	1,460	\$8,760
Traffic Control	LF	\$2	1,460	\$2,920
<b>Regis to Shaff on Gardner</b>				
Parallel 42" Storm Water Line	LF	\$218	1,100	\$239,800
Manholes	EA	\$3,500	5	\$17,500
Manhole interties	EA	\$4,500	5	\$22,500
Additional/Replacement Catch Basins	EA	\$1,800	9	\$16,200
Additional 10" pipe to tie in catch basins	LF	\$49	270	\$13,230

Stayton Storm Water Master Plan  
Priority 1 Improvements

Item	Unit	Unit Price	Estimated Quantity	Cost (Rounded)	
Additional cost for Control Density Backfill	LF	\$40	100		\$4,000
Pavement Repair- 1/2 lane	LF	\$30	0		\$0
Pavement Repair- Full Lane	LF	\$52	1,100		\$57,200
Utilities	LF	\$6	1,100		\$6,600
Traffic Control	LF	\$2	1,100		\$2,200
<b>Eagle Street to Shaff Road on Quail Run Ave</b>					
Parallel 15" Storm Water Line	LF	\$63	634		\$39,942
Manholes	EA	\$3,500	3		\$10,500
Manhole interties	EA	\$4,500	3		\$13,500
Additional/Replacement Catch Basins	EA	\$1,800	2		\$3,600
Additional 10" pipe to tie in catch basins	LF	\$49	60		\$2,940
Additional cost for Control Density Backfill	LF	\$40	65		\$2,600
Pavement Repair- 1/2 lane	LF	\$30	0		\$0
Pavement Repair- Full Lane	LF	\$52	634		\$32,968
Utilities	LF	\$6	634		\$3,804
Traffic Control	LF	\$2	634		\$1,268
<b>Shaff Road Detention Facility</b>					
Land Acquisition	AC	\$20,000	4	\$80,000	
Single 48" Storm Water Line	LF	\$225	900	\$202,500	
Bore under Shaff Road to North side	LF	\$900	60	\$54,000	
Manholes	EA	\$3,500	4	\$14,000	
Manhole interties	EA	\$4,500	0	\$0	
Manhole Monitoring Equipment	EA	\$9,200	1	\$9,200	
Additional/Replacement Catch Basins	EA	\$1,800	4	\$7,200	
Additional 10" pipe to tie in catch basins	LF	\$49	120	\$5,880	
Additional cost for Control Density Backfill	LF	\$40	900	\$36,000	
Pavement Repair- 1/2 lane	LF	\$30	900	\$27,000	
Pavement Repair- Full Lane	LF	\$52	0	\$0	
Utilities	LF	\$6	900	\$5,400	
Traffic Control	LF	\$2	900	\$1,800	
Excavation	CY	\$15	17,333	\$259,995	
Inlet structure	EA	\$6,000	1	\$6,000	
Outlet control structure	EA	\$7,500	1	\$7,500	
Outfall Piping - 30"	LF	\$180	1,747	\$314,460	
Landscaping	SF	\$0.95	217,800	\$206,910	
<i>Sum</i>				\$1,237,845	\$2,522,386
<i>Mobilization</i>	%	5%		\$61,900	\$126,100
<i>Total Construction Costs</i>				\$1,299,745	\$2,648,486
<i>Contingency</i>	%	20%		\$259,949	\$529,697
<i>Engineering &amp; Legal</i>	%	15%		\$194,962	\$397,273
<b>Shaff Basin Subtotal</b>				<b>\$1,754,700</b>	<b>\$3,575,500</b>
<b>10th Avenue Improvements</b>					
				<b>1A</b>	<b>1B</b>
<b>Hospital Discharge to County Housing on 10th Ave</b>					
Parallel 15" Storm Water Line	LF	\$63	900		\$56,700
Manholes	EA	\$3,500	2		\$7,000
Manhole interties	EA	\$4,500	0		\$0
Additional/Replacement Catch Basins	EA	\$1,800	6		\$10,800
Additional 10" pipe to tie in catch basins	LF	\$49	180		\$8,820
Additional cost for Control Density Backfill	LF	\$40	0		\$0
Pavement Repair- 1/2 lane	LF	\$30	500		\$15,000
Pavement Repair- Full Lane	LF	\$52	0		\$0
Utilities	LF	\$6	900		\$5,400
Traffic Control	LF	\$2	500		\$1,000
<b>County Housing to Santiam on 10th Ave</b>					
Parallel 18" Storm Water Line	LF	\$70	486		\$34,020
Manholes	EA	\$3,500	2		\$7,000
Manhole interties	EA	\$4,500	2		\$9,000
Additional/Replacement Catch Basins	EA	\$1,800	6		\$10,800
Additional 10" pipe to tie in catch basins	LF	\$49	180		\$8,820
Additional cost for Control Density Backfill	LF	\$40	0		\$0
Pavement Repair- 1/2 lane	LF	\$30	486		\$14,580
Pavement Repair- Full Lane	LF	\$52	0		\$0
Utilities	LF	\$6	486		\$2,916
Traffic Control	LF	\$2	486		\$972
<b>Santiam to Virginia on 10th Ave</b>					
Parallel 18" Storm Water Line	LF	\$70	890		\$62,300
Manholes	EA	\$3,500	2		\$7,000
Manhole interties	EA	\$4,500	2		\$9,000
Additional/Replacement Catch Basins	EA	\$1,800	7		\$12,600
Additional 10" pipe to tie in catch basins	LF	\$49	210		\$10,290

Stayton Storm Water Master Plan  
Priority 1 Improvements

Item	Unit	Unit Price	Estimated Quantity	Cost (Rounded)	
Additional cost for Control Density Backfill	LF	\$40	0		\$0
Pavement Repair- 1/2 lane	LF	\$30	890		\$26,700
Pavement Repair- Full Lane	LF	\$52	0		\$0
Utilities	LF	\$6	890		\$5,340
Traffic Control	LF	\$2	890		\$1,780
<b>12th Ave to 10th Ave on Virginia</b>					
Parallel 18" Storm Water Line	LF	\$12	650		\$7,800
Manholes	EA	\$3,500	3		\$10,500
Manhole interties	EA	\$4,500	3		\$13,500
Additional/Replacement Catch Basins	EA	\$1,800	6		\$10,800
Additional 10" pipe to tie in catch basins	LF	\$49	180		\$8,820
Additional cost for Control Density Backfill	LF	\$40	0		\$0
Pavement Repair- 1/2 lane	LF	\$30	650		\$19,500
Pavement Repair- Full Lane	LF	\$52	0		\$0
Utilities	LF	\$6	650		\$3,900
Traffic Control	LF	\$2	650		\$1,300
<b>Virginia and 10th to Park Detention Facility</b>					
Single 30" Storm Water Line	LF	\$180	600		\$108,000
Manholes	EA	\$3,500	4		\$14,000
Manhole interties	EA	\$4,500	2		\$9,000
Additional/Replacement Catch Basins	EA	\$1,800	6		\$10,800
Additional 10" pipe to tie in catch basins	LF	\$49	180		\$8,820
Additional cost for Control Density Backfill	LF	\$40	0		\$0
Pavement Repair- 1/2 lane	LF	\$30	600		\$18,000
Pavement Repair- Full Lane	LF	\$52	0		\$0
Utilities	LF	\$6	600		\$3,600
Traffic Control	LF	\$2	600		\$1,200
<b>Park Detention Facility</b>					
Land Acquisition	AC	\$20,000	2	\$40,000	
Excavation	CY	\$15	12,900	\$193,500	
Inlet structure	EA	\$6,000	1	\$6,000	
Manholes	EA	\$3,500	1	\$3,500	
Manhole Monitoring Equipment	EA	\$9,200	1	\$9,200	
Outlet control structure	EA	\$7,500	1	\$7,500	
Outfall Piping - 18"	LF	\$70	1,747	\$122,290	
Landscaping	SF	\$1	87,120	\$82,764	
Subsurface Drainage	AC	\$75,000	1	\$75,000	
<i>Sum</i>				\$539,754	\$577,378
<i>Mobilization</i>	%	5%		\$27,000	\$28,900
<i>Total Construction Costs</i>				\$566,754	\$606,278
<i>Contingency</i>	%	20%		\$113,351	\$121,256
<i>Engineering &amp; Legal</i>	%	15%		\$85,013	\$90,942
<b>10th Ave Subtotal</b>				<b>\$765,100</b>	<b>\$818,500</b>
<b>Norpac Northeast Facility</b>					
				<b>1A</b>	<b>1B</b>
Land Acquisition	AC	\$20,000	1.5		\$30,000
Excavation	CY	\$15	12,907		\$193,605
Manholes	EA	\$3,500	1		\$3,500
Manhole Monitoring Equipment	EA	\$9,200	1		\$9,200
Inlet structure	EA	\$6,000	1		\$6,000
Outlet control structure	EA	\$7,500	1		\$7,500
Outfall Piping - 18"	LF	\$70	1,747		\$122,290
Landscaping	SF	\$1	87,120		\$82,764
<i>Sum</i>					\$454,859
<i>Mobilization</i>	%	5%			\$22,700
<i>Total Construction Costs</i>					\$477,559
<i>Contingency</i>	%	15%			\$71,634
<i>Engineering &amp; Legal</i>	%	15%			\$71,634
<b>Norpac Northeast Detention Facility Subtotal</b>					<b>\$620,800</b>
<b>Total Priority 1 Costs</b>				<b>\$3,311,800</b>	<b>\$5,206,500</b>

Stayton Storm Water Master Plan  
Priority 2 Improvements

Item	Unit	Unit Price	Estimated Quantity	Cost (Rounded)
<b>Fir to Regis Through Regis High Parking Lot</b>				
Parallel 36" Storm Water Line	LF	\$200	880	\$176,000
Manholes	EA	\$3,500	3	\$10,500
Manhole interties	EA	\$4,500	3	\$13,500
Additional/Replacement Catch Basins	EA	\$1,800	6	\$10,800
Additional 10" pipe to tie in catch basins	LF	\$49	180	\$8,820
Additional cost for Control Density Backfill	LF	\$40	0	\$0
Pavement Repair- 1/2 lane	LF	\$30	880	\$26,400
Pavement Repair- Full Lane	LF	\$52	0	\$0
Utilities	LF	\$6	880	\$5,280
Traffic Control	LF	\$2	880	\$1,760
<i>Sum</i>				\$253,060
<i>Mobilization</i>	%	5%		\$12,700
<i>Total Construction Costs</i>				\$265,760
<i>Contingency</i>	%	20%		\$53,152
<i>Engineering</i>	%	15%		\$39,864
<b><i>Fir to Regis Subtotal</i></b>				<b>\$358,800</b>
<b>Evergreen Ave to NE Norpac Dtn Site</b>				
<b>Hollister to Locust on Evergreen Ave</b>				
Parallel 12" Storm Water Line	LF	\$56	667	\$37,352
Manholes	EA	\$3,500	2	\$7,000
Manhole interties	EA	\$4,500	2	\$9,000
Additional/Replacement Catch Basins	EA	\$1,800	7	\$12,600
Additional 10" pipe to tie in catch basins	LF	\$49	210	\$10,290
Additional cost for Control Density Backfill	LF	\$40	0	\$0
Pavement Repair- 1/2 lane	LF	\$30	667	\$20,010
Pavement Repair- Full Lane	LF	\$52	0	\$0
Utilities	LF	\$6	667	\$4,002
Traffic Control	LF	\$2	667	\$1,334
<b>1st Ave to Douglas on Locust</b>				
Parallel 12" Storm Water Line	LF	\$56	1,100	\$61,600
Manholes	EA	\$3,500	3	\$10,500
Manhole interties	EA	\$4,500	3	\$13,500
Additional/Replacement Catch Basins	EA	\$1,800	10	\$18,000
Additional 10" pipe to tie in catch basins	LF	\$49	300	\$14,700
Additional cost for Control Density Backfill	LF	\$40	0	\$0
Pavement Repair- 1/2 lane	LF	\$30	1,100	\$33,000
Pavement Repair- Full Lane	LF	\$52	0	\$0
Utilities	LF	\$6	1,100	\$6,600
Traffic Control	LF	\$2	1,100	\$2,200
<b>Locust to Washington on Douglas</b>				
Parallel 12" Storm Water Line	LF	\$56	700	\$39,200
Manholes	EA	\$3,500	2	\$7,000
Manhole interties	EA	\$4,500	2	\$9,000
Additional/Replacement Catch Basins	EA	\$1,800	5	\$9,000
Additional 10" pipe to tie in catch basins	LF	\$49	150	\$7,350
Additional cost for Control Density Backfill	LF	\$40	0	\$0
Pavement Repair- 1/2 lane	LF	\$30	700	\$21,000
Pavement Repair- Full Lane	LF	\$52	0	\$0
Utilities	LF	\$6	700	\$4,200
Traffic Control	LF	\$2	700	\$1,400
<b>Douglas to Norpac NE Detention on Washington</b>				
Parallel 12" Storm Water Line	LF	\$56	300	\$16,800
Manholes	EA	\$3,500	2	\$7,000
Manhole interties	EA	\$4,500	1	\$4,500
Additional/Replacement Catch Basins	EA	\$1,800	2	\$3,600
Additional 10" pipe to tie in catch basins	LF	\$49	60	\$2,940
Additional cost for Control Density Backfill	LF	\$40	0	\$0
Pavement Repair- 1/2 lane	LF	\$30	300	\$9,000
Pavement Repair- Full Lane	LF	\$52	0	\$0
Utilities	LF	\$6	300	\$1,800
Traffic Control	LF	\$2	300	\$600
<i>Sum</i>				\$406,078
<i>Mobilization</i>	%	5%		\$20,300
<i>Total Construction Costs</i>				\$426,378
<i>Contingency</i>	%	20%		\$85,276
<i>Engineering</i>	%	15%		\$63,957
<b><i>Evergreen to Norpac Subtotal</i></b>				<b>\$575,600</b>

Stayton Storm Water Master Plan  
Priority 2 Improvements

Item	Unit	Unit Price	Estimated Quantity	Cost (Rounded)
<b>3rd and Jefferson to Library Detention</b>				
Jefferson to Virginia on 3rd Ave				
Parallel 18" Storm Water Pipe	LF	\$70	550	\$38,500
Manholes	EA	\$3,500	2	\$7,000
Manhole interties	EA	\$4,500	2	\$9,000
Additional/Replacement Catch Basins	EA	\$1,800	12	\$21,600
Additional 10" pipe to tie in catch basins	LF	\$49	360	\$17,640
Additional cost for Control Density Backfill	LF	\$40	0	\$0
Pavement Repair- 1/2 lane	LF	\$30	550	\$16,500
Pavement Repair- Full Lane	LF	\$52	0	\$0
Utilities	LF	\$6	550	\$3,300
Traffic Control	LF	\$2	550	\$1,100
3rd Ave to 2nd Ave on Virginia				
Parallel 18" Storm Water Pipe	LF	\$70	275	\$19,250
Manholes	EA	\$3,500	1	\$3,500
Manhole interties	EA	\$4,500	1	\$4,500
Additional/Replacement Catch Basins	EA	\$1,800	4	\$7,200
Additional 10" pipe to tie in catch basins	LF	\$49	120	\$5,880
Additional cost for Control Density Backfill	LF	\$40	0	\$0
Pavement Repair- 1/2 lane	LF	\$30	275	\$8,250
Pavement Repair- Full Lane	LF	\$52	0	\$0
Utilities	LF	\$6	275	\$1,650
Traffic Control	LF	\$2	275	\$550
Virginia to Marion Ave on 2nd Ave				
Parallel 18" Storm Water Pipe	LF	\$70	525	\$36,750
Manholes	EA	\$3,500	1	\$3,500
Manhole interties	EA	\$4,500	1	\$4,500
Additional/Replacement Catch Basins	EA	\$1,800	4	\$7,200
Additional 10" pipe to tie in catch basins	LF	\$49	120	\$5,880
Additional cost for Control Density Backfill	LF	\$40	0	\$0
Pavement Repair- 1/2 lane	LF	\$30	525	\$15,750
Pavement Repair- Full Lane	LF	\$52	0	\$0
Utilities	LF	\$6	525	\$3,150
Traffic Control	LF	\$2	525	\$1,050
6th to 2nd on Marion Ave				
Single 18" Storm Water Pipe	LF	\$70	1,155	\$80,850
Manholes	EA	\$3,500	5	\$17,500
Manhole interties	EA	\$4,500	1	\$4,500
Additional/Replacement Catch Basins	EA	\$1,800	16	\$28,800
Additional 10" pipe to tie in catch basins	LF	\$49	480	\$23,520
Additional cost for Control Density Backfill	LF	\$40	0	\$0
Pavement Repair- 1/2 lane	LF	\$30	1,155	\$34,650
Pavement Repair- Full Lane	LF	\$52	0	\$0
Utilities	LF	\$6	1,155	\$6,930
Traffic Control	LF	\$2	1,155	\$2,310
Salem Ditch to Marion on 6th				
Regrade Gutters	LF	\$12	266	\$3,192
Gutter grates	LF	\$30	266	\$7,980
Abandon Existing Stormlines	LF	\$10	266	\$2,660
Additional/Replacement Catch Basins	EA	\$1,800	2	\$3,600
Additional cost for Control Density Backfill	LF	\$40	0	\$0
Pavement Repair- 1/2 lane	LF	\$30	266	\$7,980
Pavement Repair- Full Lane	LF	\$52	0	\$0
Utilities	LF	\$6	266	\$1,596
Traffic Control	LF	\$2	266	\$532
Salem Ditch to Marion on 5th				
Regrade Gutters	LF	\$12	263	\$3,156
Gutter grates	LF	\$30	263	\$7,890
Abandon Existing Stormlines	LF	\$10	263	\$2,630
Additional/Replacement Catch Basins	EA	\$1,800	2	\$3,600
Additional cost for Control Density Backfill	LF	\$40	0	\$0
Pavement Repair- 1/2 lane	LF	\$30	263	\$7,890
Pavement Repair- Full Lane	LF	\$52	0	\$0
Utilities	LF	\$6	263	\$1,578
Traffic Control	LF	\$2	263	\$526
Salem Ditch to Marion on 4th				
Regrade Gutters	LF	\$12	250	\$3,000
Gutter grates	LF	\$30	250	\$7,500
Abandon Existing Stormlines	LF	\$10	250	\$2,500
Additional/Replacement Catch Basins	EA	\$1,800	2	\$3,600



Stayton Storm Water Master Plan  
Priority 2 Improvements

Item	Unit	Unit Price	Estimated Quantity	Cost (Rounded)
Additional cost for Control Density Backfill	LF	\$40	0	\$0
Pavement Repair- 1/2 lane	LF	\$30	250	\$7,500
Pavement Repair- Full Lane	LF	\$52	0	\$0
Utilities	LF	\$6	250	\$1,500
Traffic Control	LF	\$2	250	\$500
<b>Salem Ditch to Marion on 3rd</b>				
Regrade Gutters	LF	\$12	200	\$2,400
Gutter grates	LF	\$30	200	\$6,000
Abandon Existing Stormlines	LF	\$10	200	\$2,000
Additional/Replacement Catch Basins	EA	\$1,800	2	\$3,600
Additional cost for Control Density Backfill	LF	\$40	0	\$0
Pavement Repair- 1/2 lane	LF	\$30	200	\$6,000
Pavement Repair- Full Lane	LF	\$52	0	\$0
Utilities	LF	\$6	200	\$1,200
Traffic Control	LF	\$2	200	\$400
<b>Salem Ditch to Marion on 2nd</b>				
Regrade Gutters	LF	\$12	160	\$1,920
Gutter grates	LF	\$30	160	\$4,800
Abandon Existing Stormlines	LF	\$10	160	\$1,600
Additional/Replacement Catch Basins	EA	\$1,800	2	\$3,600
Additional cost for Control Density Backfill	LF	\$40	0	\$0
Pavement Repair- 1/2 lane	LF	\$30	160	\$4,800
Pavement Repair- Full Lane	LF	\$52	0	\$0
Utilities	LF	\$6	160	\$960
Traffic Control	LF	\$2	160	\$320
<b>Salem Ditch to Marion on 1st</b>				
Regrade Gutters	LF	\$12	60	\$720
Gutter grates	LF	\$30	60	\$1,800
Abandon Existing Stormlines	LF	\$10	60	\$600
Additional/Replacement Catch Basins	EA	\$1,800	2	\$3,600
Additional cost for Control Density Backfill	LF	\$40	60	\$2,400
Pavement Repair- 1/2 lane	LF	\$30	60	\$1,800
Pavement Repair- Full Lane	LF	\$52	0	\$0
Utilities	LF	\$6	60	\$360
Traffic Control	LF	\$2	60	\$120
<b>Virginia to Marion Ave on 2nd Ave</b>				
Parallel 18" Storm Water Pipe	LF	\$70	525	\$36,750
Manholes	EA	\$3,500	1	\$3,500
Manhole interties	EA	\$4,500	1	\$4,500
Additional/Replacement Catch Basins	EA	\$1,800	4	\$7,200
Additional 10" pipe to tie in catch basins	LF	\$49	120	\$5,880
Additional cost for Control Density Backfill	LF	\$40	0	\$0
Pavement Repair- 1/2 lane	LF	\$30	525	\$15,750
Pavement Repair- Full Lane	LF	\$52	0	\$0
Utilities	LF	\$6	525	\$3,150
Traffic Control	LF	\$2	525	\$1,050
<b>Stayton Christian School to Marion on 1st Ave</b>				
Parallel 12" Storm Water Pipe	LF	\$56	1,110	\$62,160
Manholes	EA	\$3,500	5	\$17,500
Manhole interties	EA	\$4,500	5	\$22,500
Additional/Replacement Catch Basins	EA	\$1,800	16	\$28,800
Additional 10" pipe to tie in catch basins	LF	\$49	480	\$23,520
Additional cost for Control Density Backfill	LF	\$40	1,110	\$44,400
Pavement Repair- 1/2 lane	LF	\$30	0	\$0
Pavement Repair- Full Lane	LF	\$52	1,110	\$57,720
Utilities	LF	\$6	1,110	\$6,660
Traffic Control	LF	\$2	1,110	\$2,220
<b>2nd Ave to Library Detention on Marion</b>				
Parallel 18" Storm Water Line	LF	\$70	600	\$42,000
Parallel 24" Storm Water Line	LF	\$115	600	\$69,000
Bore under 1st Ave	LF	\$500	60	\$30,000
Manholes	EA	\$3,500	8	\$28,000
Manhole interties	EA	\$4,500	5	\$22,500
Additional/Replacement Catch Basins	EA	\$1,800	8	\$14,400
Additional 10" pipe to tie in catch basins	LF	\$49	240	\$11,760
Additional cost for Control Density Backfill	LF	\$40	60	\$2,400
Pavement Repair- 1/2 lane	LF	\$30	600	\$18,000
Pavement Repair- Full Lane	LF	\$52	0	\$0
Utilities	LF	\$6	600	\$3,600
Traffic Control	LF	\$2	600	\$1,200
<b>Library Detention Facility</b>				

Stayton Storm Water Master Plan  
Priority 2 Improvements

Item	Unit	Unit Price	Estimated Quantity	Cost (Rounded)
Land Acquisition	AC	\$20,000	0	\$0
Manholes	EA	\$3,500	3	\$10,500
Manhole Monitoring Equipment	EA	\$9,200	1	\$9,200
Manhole interties	EA	\$4,500	1	\$4,500
Additional/Replacement Catch Basins	EA	\$1,800	2	\$3,600
Additional 10" pipe to tie in catch basins	LF	\$49	60	\$2,940
Additional cost for Control Density Backfill	LF	\$40	0	\$0
Pavement Repair- 1/2 lane	LF	\$30	0	\$0
Pavement Repair- Full Lane	LF	\$52	0	\$0
Utilities	LF	\$6	20	\$120
Traffic Control	LF	\$2	0	\$0
Excavation	CY	\$15	5,808	\$87,120
Inlet structure	EA	\$6,000	1	\$6,000
Outlet control structure	EA	\$7,500	1	\$7,500
Outfall Piping - 15"	LF	\$63	80	\$5,040
Landscaping	SF	\$1	87,120	\$87,120
Subsurface Drainage	AC	\$75,000	1.5	\$112,500
<b>Sum</b>				<b>\$1,492,074</b>
<i>Mobilization</i>	%	5%		<i>\$74,600</i>
<i>Total Construction Costs</i>				<i>\$1,566,674</i>
<i>Contingency</i>	%	20%		<i>\$313,335</i>
<i>Engineering &amp; Legal</i>	%	15%		<i>\$235,001</i>
<b>3rd and Jefferson to Library Subtotal</b>				<b>\$2,115,000</b>
<b>Mill Stream Woods to Norpac SW Detention Site on Ida</b>				
<b>Mill Stream Woods to Norpac SW Detention Site on Ida</b>				
Single 24" Line	LF	\$115	4,076	\$468,740
Manholes	EA	\$3,500	15	\$52,500
Manhole interties	EA	\$4,500	11	\$49,500
Additional/Replacement Catch Basins	EA	\$1,800	46	\$82,800
Additional 10" pipe to tie in catch basins	LF	\$49	1,380	\$67,620
Additional cost for Control Density Backfill	LF	\$40	60	\$2,400
Pavement Repair- 1/2 lane	LF	\$30	4,076	\$122,280
Pavement Repair- Full Lane	LF	\$52	0	\$0
Utilities	LF	\$6	4,076	\$24,456
Traffic Control	LF	\$2	4,076	\$8,152
Bore under 1st Ave	LF	\$500	60	\$30,000
<b>Salem Ditch to Ida on 4th Ave</b>				
Regrade Gutters	LF	\$12	200	\$2,400
Gutter grates	LF	\$30	200	\$6,000
Abandon Existing Stormlines	LF	\$10	200	\$2,000
Additional/Replacement Catch Basins	EA	\$1,800	0	\$0
Additional cost for Control Density Backfill	LF	\$40	0	\$0
Pavement Repair- 1/2 lane	LF	\$30	200	\$6,000
Pavement Repair- Full Lane	LF	\$52	0	\$0
Utilities	LF	\$6	200	\$1,200
Traffic Control	LF	\$2	200	\$400
<b>3rd and High to 3rd and Ida</b>				
Regrade Gutters	LF	\$12	241	\$2,892
Gutter grates	LF	\$30	241	\$7,230
Abandon Existing Stormlines	LF	\$10	241	\$2,410
Additional/Replacement Catch Basins	EA	\$1,800	0	\$0
Additional cost for Control Density Backfill	LF	\$40	0	\$0
Pavement Repair- 1/2 lane	LF	\$30	241	\$7,230
Pavement Repair- Full Lane	LF	\$52	0	\$0
Utilities	LF	\$6	241	\$1,446
Traffic Control	LF	\$2	241	\$482
<b>2nd and High to 2nd and Ida</b>				
Regrade Gutters	LF	\$12	270	\$3,240
Gutter grates	LF	\$30	270	\$8,100
Abandon Existing Stormlines	LF	\$10	270	\$2,700
Additional/Replacement Catch Basins	EA	\$1,800	0	\$0
Additional cost for Control Density Backfill	LF	\$40	0	\$0
Pavement Repair- 1/2 lane	LF	\$30	270	\$8,100
Pavement Repair- Full Lane	LF	\$52	0	\$0
Utilities	LF	\$6	270	\$1,620
Traffic Control	LF	\$2	270	\$540
<b>1st and High to 1st and Ida</b>				
Regrade Gutters	LF	\$12	330	\$3,960
Gutter grates	LF	\$30	330	\$9,900

Stayton Storm Water Master Plan  
Priority 2 Improvements

Item	Unit	Unit Price	Estimated Quantity	Cost (Rounded)
Abandon Existing Stormlines	LF	\$10	330	\$3,300
Additional/Replacement Catch Basins	EA	\$1,800	0	\$0
Additional cost for Control Density Backfill	LF	\$40	0	\$0
Pavement Repair- 1/2 lane	LF	\$30	330	\$9,900
Pavement Repair- Full Lane	LF	\$52	0	\$0
Utilities	LF	\$6	330	\$1,980
Traffic Control	LF	\$2	330	\$660
<b>3rd and Water to 3rd and Ida</b>				
Single 15" Line	LF	\$63	518	\$32,634
Manholes	EA	\$3,500	2	\$7,000
Manhole interties	EA	\$4,500	0	\$0
Additional/Replacement Catch Basins	EA	\$1,800	8	\$14,400
Additional 10" pipe to tie in catch basins	LF	\$49	240	\$11,760
Additional cost for Control Density Backfill	LF	\$40	0	\$0
Pavement Repair- 1/2 lane	LF	\$30	518	\$15,540
Pavement Repair- Full Lane	LF	\$52	0	\$0
Utilities	LF	\$6	518	\$3,108
Traffic Control	LF	\$2	518	\$1,036
<b>2nd and Water to 2nd and Ida</b>				
Single 15" Line	LF	\$63	350	\$22,050
Manholes	EA	\$3,500	2	\$7,000
Manhole interties	EA	\$4,500	0	\$0
Additional/Replacement Catch Basins	EA	\$1,800	7	\$12,600
Additional 10" pipe to tie in catch basins	LF	\$49	210	\$10,290
Additional cost for Control Density Backfill	LF	\$40	0	\$0
Pavement Repair- 1/2 lane	LF	\$30	350	\$10,500
Pavement Repair- Full Lane	LF	\$52	0	\$0
Utilities	LF	\$6	350	\$2,100
Traffic Control	LF	\$2	350	\$700
<b>1st and Florence to 1st and Ida</b>				
Single 15" Line	LF	\$63	250	\$15,750
Manholes	EA	\$3,500	2	\$7,000
Manhole interties	EA	\$4,500	0	\$0
Additional/Replacement Catch Basins	EA	\$1,800	6	\$10,800
Additional 10" pipe to tie in catch basins	LF	\$49	180	\$8,820
Additional cost for Control Density Backfill	LF	\$40	0	\$0
Pavement Repair- 1/2 lane	LF	\$30	250	\$7,500
Pavement Repair- Full Lane	LF	\$52	0	\$0
Utilities	LF	\$6	250	\$1,500
Traffic Control	LF	\$2	250	\$500
<b>Norpac SW Detention Site</b>				
Land Acquisition	AC	\$20,000	1	\$20,000
Manholes	EA	\$3,500	2	\$7,000
Manhole Monitoring Equipment	EA	\$9,200	1	\$9,200
Manhole interties	EA	\$4,500	0	\$0
Additional/Replacement Catch Basins	EA	\$1,800	2	\$3,600
Additional 10" pipe to tie in catch basins	LF	\$49	60	\$2,940
Additional cost for Control Density Backfill	LF	\$40	0	\$0
Utilities	LF	\$6	20	\$120
Traffic Control	LF	\$2	0	\$0
Excavation	CY	\$15	3,230	\$48,450
Inlet structure	EA	\$6,000	1	\$6,000
Outlet control structure	EA	\$7,500	1	\$7,500
Outfall Piping - 15"	LF	\$63	20	\$1,260
Landscaping	SF	\$1	87,120	\$87,120
<i>Sum</i>				\$1,393,560
<i>Mobilization</i>	%	5%		\$69,700
<i>Total Construction Costs</i>				\$1,463,260
<i>Contingency</i>	%	20%		\$292,652
<i>Engineering</i>	%	15%		\$219,489
<b><i>Mill Stream Woods to Norpac SW Dtn Site Subtotal</i></b>				<b>\$1,975,400</b>
<b>Total Priority 2 Costs</b>				<b>\$5,024,800</b>

Stayton Storm Water Master Plan  
Priority 3 Improvements

Item	Unit	Unit Price	Estimated Quantity	Cost (Rounded)
<b>Sylvan Meadows Subdivision Improvements</b>				
From MH in Walking Path to Detn. Pond				
Parallel 12" Storm Water Line	LF	\$56	250	\$14,000
Manholes	EA	\$3,500	3	\$10,500
Manhole Monitoring Equipment	EA	\$9,200	1	\$9,200
Manhole inerties	EA	\$4,500	2	\$9,000
Surveying	EA	\$2,000	1	\$2,000
Detention Area and Elevation Work	CY	\$15	300	\$4,500
Utilities	LF	\$6	250	\$1,500
Landscaping	SF	\$1	250	\$238
<i>Sum</i>				\$50,938
<i>Mobilization</i>	%	5%		\$2,500
<i>Total Construction Costs</i>				\$53,438
<i>Contingency</i>	%	20%		\$10,688
<i>Engineering</i>	%	15%		\$8,016
<b>Sylvan Meadows Subdivision Subtotal</b>				<b>\$72,100</b>
<b>Gardner Road-Regis High School Improvements</b>				
Locust Street to Gardner				
Single 15" Storm Water Line	LF	\$63	800	\$50,400
Manholes	EA	\$3,500	2	\$7,000
Manhole inerties	EA	\$4,500	1	\$4,500
Additional/Replacement Catch Basins	EA	\$1,800	7	\$12,600
Additional 10" pipe to tie in catch basins	LF	\$49	210	\$10,290
Additional cost for Control Density Backfill	LF	\$40	0	\$0
Pavement Repair- 1/2 lane	LF	\$30	800	\$24,000
Pavement Repair- Full Lane	LF	\$52	0	\$0
Utilities	LF	\$6	800	\$4,800
Traffic Control	LF	\$2	800	\$1,600
Gardner to Western Place				
Parallel 18" Storm Water Line	LF	\$70	1,600	\$112,000
Manholes	EA	\$3,500	5	\$18,667
Manhole inerties	EA	\$4,500	5	\$22,500
Additional/Replacement Catch Basins	EA	\$1,800	16	\$28,800
Additional 10" pipe to tie in catch basins	LF	\$49	480	\$23,520
Additional cost for Control Density Backfill	LF	\$40	0	\$0
Pavement Repair- 1/2 lane	LF	\$30	1,600	\$48,000
Pavement Repair- Full Lane	LF	\$52	0	\$0
Utilities	LF	\$6	1,600	\$9,600
Traffic Control	LF	\$2	1,600	\$3,200
Western Place to Regis				
Parallel 24" Storm Water Line	LF	\$115	300	\$34,500
Manholes	EA	\$3,500	2	\$7,000
Manhole inerties	EA	\$4,500	2	\$9,000
Additional/Replacement Catch Basins	EA	\$1,800	2	\$3,600
Additional 10" pipe to tie in catch basins	LF	\$49	60	\$2,940
Additional cost for Control Density Backfill	LF	\$40	0	\$0
Pavement Repair- 1/2 lane	LF	\$30	300	\$9,000
Pavement Repair- Full Lane	LF	\$52	0	\$0
Utilities	LF	\$6	300	\$1,800
Traffic Control	LF	\$2	300	\$600
<i>Sum</i>				\$449,917
<i>Mobilization</i>	%	5%		\$22,500
<i>Total Construction Costs</i>				\$472,417
<i>Contingency</i>	%	20%		\$94,483
<i>Engineering</i>	%	15%		\$70,863
<b>Gardner Road-Regis High School Subtotal</b>				<b>\$637,800</b>
<b>Wedgwood Place Improvements</b>				
Wilshire Drive				
Parallel 24" Storm Water Line	LF	\$115	1,050	\$120,750
Manholes	EA	\$3,500	2	\$7,000
Manhole inerties	EA	\$4,500	2	\$9,000
Additional/Replacement Catch Basins	EA	\$1,800	3	\$5,400
Additional 10" pipe to tie in catch basins	LF	\$49	0	\$0

Stayton Storm Water Master Plan  
Priority 3 Improvements

Item	Unit	Unit Price	Estimated Quantity	Cost (Rounded)
Additional cost for Control Density Backfill	LF	\$40	750	\$30,000
Pavement Repair- 1/2 lane	LF	\$30	750	\$22,500
Pavement Repair- Full Lane	LF	\$52	0	\$0
Landscaping	SF	\$1	300	\$285
Utilities	LF	\$6	1,050	\$6,300
Traffic Control	LF	\$2	750	\$1,500
<b>Wedgewood Place-Wilco Road</b>				
Parallel 30" Storm Water Line	LF	\$180	1,350	\$243,000
Manholes	EA	\$3,500	4	\$14,000
Manhole inerties	EA	\$4,500	3	\$13,500
Additional/Replacement Catch Basins	EA	\$1,800	0	\$0
Additional 10" pipe to tie in catch basins	LF	\$49	0	\$0
Crossing of Wilco Road	LF	\$200	100	\$20,000
Pavement Repair- commercial area	LF	\$30	600	\$18,000
Pavement Repair- Full Lane	LF	\$52	0	\$0
Utilities	LF	\$6	1,350	\$8,100
Landscaping	SF	\$1	300	\$285
Traffic Control	LF	\$2	0	\$0
<i>Sum</i>				\$519,620
<i>Mobilization</i>	%	5%		\$26,000
<i>Total Construction Costs</i>				\$545,620
<i>Contingency</i>	%	20%		\$109,124
<i>Engineering</i>	%	15%		\$81,843
<b>Wedgewood Place Improvements Subtotal</b>				<b>\$736,600</b>
<b>Western Avenue Improvements</b>				
<b>Western Avenue-Westfield Pl</b>				
Parallel 15" Storm Water Line	LF	\$63	2,000	\$126,000
Manholes	EA	\$3,500	6	\$21,000
Manhole inerties	EA	\$4,500	3	\$13,500
Additional/Replacement Catch Basins	EA	\$1,800	4	\$7,200
Additional 10" pipe to tie in catch basins	LF	\$49	50	\$2,450
Additional cost for Control Density Backfill	LF	\$40	1,700	\$68,000
Pavement Repair- 1/2 lane	LF	\$30	1,700	\$51,000
Pavement Repair- Full Lane	LF	\$52	0	\$0
Landscaping	SF	\$1	300	\$285
Utilities	LF	\$6	2,000	\$12,000
Traffic Control	LF	\$2	1,700	\$3,400
<b>Western Place-Shaff Road</b>				
Parallel 30" Storm Water Line	LF	\$180	700	\$126,000
Parallel 12" Storm Water Line	LF	\$56	650	\$36,400
Manholes	EA	\$3,500	5	\$17,500
Manhole inerties	EA	\$4,500	2	\$9,000
Additional/Replacement Catch Basins	EA	\$1,800	2	\$3,600
Additional 10" pipe to tie in catch basins	LF	\$49	0	\$0
Pavement Repair- commercial area	LF	\$30	0	\$0
Pavement Repair- Full Lane	LF	\$52	0	\$0
Utilities	LF	\$6	1,350	\$8,100
Landscaping	SF	\$1	1,350	\$1,283
Traffic Control	LS	\$10,000	1	\$10,000
<i>Sum</i>				\$516,718
<i>Mobilization</i>	%	5%		\$25,800
<i>Total Construction Costs</i>				\$542,518
<i>Contingency</i>	%	20%		\$108,504
<i>Engineering</i>	%	15%		\$81,378
<b>Western Avenue Improvements Subtotal</b>				<b>\$732,400</b>
<b>Total Priority 3 Costs</b>				<b>\$2,178,900</b>

## Stayton Storm Water Master Plan Priority 4 Improvements

Item	Unit	Unit Price	Estimated Quantity	Cost (Rounded)
<b>Library Improvements</b>				
Library Improvements				
Single 15" Storm Water Line	LF	\$63	350	\$22,050
Manholes	EA	\$3,500	2	\$7,000
Manhole interties	EA	\$4,500	0	\$0
Utilities	LF	\$6	350	\$2,100
Abandon Existing Storm Line	LF	\$10	350	\$3,500
Landscaping	SF	\$1	350	\$333
<i>Sum</i>				\$34,983
<i>Mobilization</i>	%	5%		\$1,700
<i>Total Construction Costs</i>				\$36,683
<i>Contingency</i>	%	20%		\$7,337
<i>Engineering</i>	%	15%		\$5,502
<b>Library Subtotal</b>				<b>\$49,500</b>
<b>1st Avenue Improvements</b>				
1st Avenue Improvements				
Single 15" Storm Water Line	LF	\$63	425	\$26,775
Manholes	EA	\$3,500	1	\$3,500
Manhole interties	EA	\$4,500	2	\$9,000
Additional/Replacement Catch Basins	EA	\$1,800	0	\$0
Additional 10" pipe to tie in catch basins	LF	\$49	5	\$245
Additional cost for Control Density Backfill	LF	\$40	425	\$17,000
Pavement Repair- 1/2 lane	LF	\$30	0	\$0
Pavement Repair- Full Lane	LF	\$52	425	\$22,100
Utilities	LF	\$6	425	\$2,550
Abandon Existing Storm Line	LF	\$10	425	\$4,250
Traffic Control	LF	\$2	425	\$850
<i>Sum</i>				\$86,270
<i>Mobilization</i>	%	5%		\$4,300
<i>Total Construction Costs</i>				\$90,570
<i>Contingency</i>	%	20%		\$18,114
<i>Engineering</i>	%	15%		\$13,586
<b>1st Avenue Subtotal</b>				<b>\$122,300</b>
<b>Washington Street Improvements</b>				
Washington Street Detention Facility				
Land Acquisition	AC	\$20,000	2	\$30,000
Manholes	EA	\$3,500	3	\$10,500
Manhole Monitoring Equipment	EA	\$9,200	1	\$9,200
Manhole interties	EA	\$4,500	1	\$4,500
Additional/Replacement Catch Basins	EA	\$1,800	0	\$0
Additional 10" pipe to tie in catch basins	LF	\$49	0	\$0
Additional cost for Control Density Backfill	LF	\$40	0	\$0
Pavement Repair- 1/2 lane	LF	\$30	0	\$0
Pavement Repair- Full Lane	LF	\$52	0	\$0
Utilities	LS	\$2,500	1	\$2,500

Stayton Storm Water Master Plan  
Priority 4 Improvements

Item	Unit	Unit Price	Estimated Quantity	Cost (Rounded)
Traffic Control	LS	\$1,500	1	\$1,500
Excavation	CY	\$15	2,420	\$36,300
Inlet structure	EA	\$6,000	1	\$6,000
Outlet control structure	EA	\$7,500	1	\$7,500
Outfall Piping - 12"	LF	\$63	80	\$5,040
Landscaping	SF	\$1	21,780	\$20,691
End of Pipe Water Quality Treatment	LS	\$25,000	1	\$25,000
<i>Sum</i>				\$158,731
<i>Mobilization</i>	%	5%		\$7,900
<i>Total Construction Costs</i>				\$166,631
<i>Contingency</i>	%	15%		\$24,995
<i>Engineering</i>	%	15%		\$24,995
<b>Washington Street Improvements Subtotal</b>				<b>\$216,600</b>
<b>N. Peach Avenue Improvements</b>				
N. Peach Avenue Improvements				
Single 18" Storm Water Line	LF	\$70	525	\$36,750
Manholes	EA	\$3,500	1	\$3,500
Manhole interties	EA	\$4,500	1	\$4,500
Additional/Replacement Catch Basins	EA	\$1,800	2	\$3,600
Additional 10" pipe to tie in catch basins	LF	\$49	20	\$980
Additional cost for Control Density Backfill	LF	\$40	0	\$0
Pavement Repair- 1/2 lane	LF	\$30	0	\$0
Pavement Repair- Full Lane	LF	\$52	0	\$0
Landscaping	SF	\$1	525	\$499
Utilities	LF	\$6	525	\$3,150
Abandon Existing Storm Line	LF	\$10	525	\$5,250
Traffic Control	LF	\$2	0	\$0
<i>Sum</i>				\$58,229
<i>Mobilization</i>	%	5%		\$2,900
<i>Total Construction Costs</i>				\$61,129
<i>Contingency</i>	%	20%		\$12,226
<i>Engineering</i>	%	15%		\$9,169
<b>Peach Avenue Improvements Subtotal</b>				<b>\$82,500</b>
<b>Total Priority 4 Costs</b>				<b>\$470,900</b>

Stayton Storm Water Master Plan  
Future Improvements

Item	Unit	Unit Price	Estimated Quantity	Cost (Rounded)
<b>Pacific Court Improvements</b>				
Pacific Court Improvements				
Single 24" Storm Water Line	LF	\$115	1,000	\$115,000
Manholes	EA	\$3	1	\$3
Manhole interties	EA	\$4,500	0	\$0
Additional/Replacement Catch Basins	EA	\$1,800	3	\$5,400
Additional 10" pipe to tie in catch basins	LF	\$49	60	\$2,940
Additional cost for Control Density Backfill	LF	\$40	0	\$0
Pavement Repair- 1/2 lane	LF	\$30	1,000	\$30,000
Pavement Repair- Full Lane	LF	\$52	0	\$0
Utilities	LF	\$6	1,000	\$6,000
Traffic Control	LF	\$2	1,000	\$2,000
Landscaping	SF	\$1	300	\$285
Abandon Existing Storm Line	LF	\$10	1,000	\$10,000
Underground Detention Facility	EA	\$75,000	1	\$75,000
<i>Sum</i>				\$246,628
<i>Mobilization</i>	%	5%		\$12,300
<i>Total Construction Costs</i>				\$258,928
<i>Contingency</i>	%	20%		\$51,786
<i>Engineering</i>	%	15%		\$38,839
<b>Pacific Court Subtotal</b>				<b>\$349,600</b>
<b>Fern Ridge Street Area Improvements</b>				
Fern Ridge Street				
Parallel 15" Storm Water Line	LF	\$63	400	\$25,200
Parallel 18" Storm Water Line	LF	\$70	950	\$66,500
Manholes	EA	\$3,500	1	\$3,500
Manhole interties	EA	\$4,500	3	\$13,500
Additional/Replacement Catch Basins	EA	\$1,800	5	\$9,000
Additional 10" pipe to tie in catch basins	LF	\$49	100	\$4,900
Additional cost for Control Density Backfill	LF	\$40	1,350	\$54,000
Pavement Repair- 1/2 lane	LF	\$30	1,350	\$40,500
Pavement Repair- Full Lane	LF	\$52	0	\$0
Utilities	LF	\$6	1,350	\$8,100
Traffic Control	LF	\$2	1,350	\$2,700
Pipelines North of Fern Ridge				
Parallel 15" Storm Water Line	LF	\$525	400	\$210,000
Manholes	EA	\$3,500	1	\$3,500
Manhole interties	EA	\$4,500	1	\$4,500
Additional/Replacement Catch Basins	EA	\$1,800	0	\$0
Additional 10" pipe to tie in catch basins	LF	\$49	0	\$0
Additional cost for Control Density Backfill	LF	\$40	0	\$0
Pavement Repair- 1/2 lane	LF	\$30	0	\$0
Pavement Repair- Full Lane	LF	\$52	0	\$0
Utilities	LF	\$6	400	\$2,400
Traffic Control	LF	\$2	400	\$800
Pipelines South of Fern Ridge				
Storm Water Line	LF	\$115	4,500	\$517,500
Manholes	EA	\$3,500	11	\$39,375
Fern Ridge Detention Facility				
Land Acquisition	AC	\$20,000	2	\$30,000
Manholes	EA	\$3,500	1	\$3,500
Manhole interties	EA	\$4,500	0	\$0
Manhole Monitoring Equipment	EA	\$9,200	1	\$9,200
Additional/Replacement Catch Basins	EA	\$1,800	0	\$0
Additional 10" pipe to tie in catch basins	LF	\$49	0	\$0
Additional cost for Control Density Backfill	LF	\$40	0	\$0
Pavement Repair- 1/2 lane	LF	\$30	0	\$0
Pavement Repair- Full Lane	LF	\$52	0	\$0
Utilities	LS	\$2,500	0	\$0
Traffic Control	LS	\$1,500	0	\$0
Excavation	CY	\$15	6,450	\$96,750
Inlet structure	EA	\$6,000	1	\$6,000
Outlet control structure	EA	\$7,500	1	\$7,500
Outfall Piping - 12"	LF	\$63	0	\$0
Landscaping	SF	\$1	43,560	\$41,382
<i>Sum</i>				\$1,200,307
<i>Mobilization</i>	%	5%		\$60,000
<i>Total Construction Costs</i>				\$1,260,307
<i>Contingency</i>	%	20%		\$252,061
<i>Engineering</i>	%	15%		\$189,046
<b>Fern Ridge Street Area Subtotal</b>				<b>\$1,701,400</b>
<b>Dozler Property Improvements</b>				
Pipelines				
Storm Water Line	LF	\$115	2,300	\$264,500
Manholes	EA	\$3,500	6	\$20,125
Dozler Detention Facility				
Land Acquisition	AC	\$20,000	3	\$50,000
Excavation	CY	\$15	8,070	\$121,050
Manholes	EA	\$3,500	1	\$3,500
Manhole Monitoring Equipment	EA	\$9,200	1	\$9,200
Inlet structure	EA	\$6,000	2	\$12,000



Stayton Storm Water Master Plan  
Future Improvements

Item	Unit	Unit Price	Estimated Quantity	Cost (Rounded)
Outlet control structure	EA	\$7,500	1	\$7,500
Outfall Piping - 12"	LF	\$63	100	\$6,300
Landscaping	SF	\$1	30,000	\$28,500
<i>Sum</i>				\$522,675
<i>Mobilization</i>	%	5%		\$26,100
<i>Total Construction Costs</i>				\$548,775
<i>Contingency</i>	%	20%		\$109,755
<i>Engineering</i>	%	15%		\$82,316
<b>Dozler Property Area Subtotal</b>				<b>\$740,800</b>
<b>Phillips Property Area Improvements</b>				
<b>Detention Swale</b>				
Detention Swale	LF	\$150	2,500	\$375,000
Landscaping	LF	\$100	2,500	\$250,000
Easements	LF	\$50	2,500	\$125,000
<b>Pipelines</b>				
Parallel 42" Storm Water Line	LF	\$218	350	\$76,300
Parallel 36" Storm Water Line	LF	\$200	350	\$70,000
Single 30" Storm Water Line	LF	\$180	2,600	\$468,000
Manholes	EA	\$3,500	11	\$38,500
Manhole interties	EA	\$4,500	0	\$0
Additional/Replacement Catch Basins	EA	\$1,800	0	\$0
Additional 10" pipe to tie in catch basins	LF	\$49	0	\$0
Additional cost for Control Density Backfill	LF	\$40	0	\$0
Pavement Repair- 1/2 lane	LF	\$30	0	\$0
Pavement Repair- Full Lane	LF	\$52	0	\$0
Utilities	LF	\$6	400	\$2,400
Traffic Control	LF	\$2	0	\$0
<i>Sum</i>				\$1,405,200
<i>Mobilization</i>	%	5%		\$70,300
<i>Total Construction Costs</i>				\$1,475,500
<i>Contingency</i>	%	20%		\$295,100
<i>Engineering</i>	%	15%		\$221,325
<b>Phillips Property Area Subtotal</b>				<b>\$1,991,900</b>
<b>Detention Facilities</b>				
Potential Regional Detention Facility	EA	\$600,000	4	\$2,400,000
<i>Sum</i>				\$2,400,000
<i>Mobilization</i>	%	5%		\$120,000
<i>Total Construction Costs</i>				\$2,520,000
<i>Contingency</i>	%	20%		\$504,000
<i>Engineering</i>	%	15%		\$378,000
<b>Future Detention Facilities Subtotal</b>				<b>\$3,402,000</b>
<b>Upsize Pipelines</b>				
<b>Future Pipelines</b>				
Storm Water Line upsize ("30 over 18")	LF	\$110	8,500	\$935,000
Manholes	EA	\$3,500	21	\$74,375
<i>Sum</i>				\$1,009,375
<i>Mobilization</i>	%	5%		\$50,500
<i>Total Construction Costs</i>				\$1,059,875
<i>Contingency</i>	%	20%		\$211,975
<i>Engineering</i>	%	15%		\$158,981
<b>Future Pipeline Subtotal</b>				<b>\$1,430,800</b>
<b>Larch Avenue Improvements</b>				
<b>Larch Avenue Improvements</b>				
Single 15" Storm Water Line	LF	\$63	525	\$33,075
Manholes	EA	\$3,500	1	\$3,500
Manhole interties	EA	\$4,500	1	\$4,500
Additional/Replacement Catch Basins	EA	\$1,800	2	\$3,600
Additional 10" pipe to tie in catch basins	LF	\$49	20	\$980
Additional cost for Control Density Backfill	LF	\$40	525	\$21,000
Pavement Repair- 1/2 lane	LF	\$30	525	\$15,750
Pavement Repair- Full Lane	LF	\$52	0	\$0
Utilities	LF	\$6	525	\$3,150
Abandon Existing Storm Line	LF	\$10	525	\$5,250
Traffic Control	LF	\$2	525	\$1,050
<i>Sum</i>				\$91,855
<i>Mobilization</i>	%	5%		\$4,600
<i>Total Construction Costs</i>				\$96,455
<i>Contingency</i>	%	20%		\$19,291
<i>Engineering</i>	%	15%		\$14,468
<b>Larch Avenue Improvements Subtotal</b>				<b>\$130,200</b>
<b>Total Future Costs</b>				<b>\$9,746,700</b>