

PROJECT: ENGLEWOOD OSP				
BASIN: SOUTH ENGLEWOOD				
SEGMENT: S1 - SOUTH PLATTE RIVER TO NAVAJO ST				
10-YR DESIGN PRELIMINARY COST ESTIMATE (AVERAGE INSTALLATION)				
ITEM	QUANTITY	UNITS	UNIT COST	TOTAL COST
11'x7' RCBC (Precast)	1089	LF	\$1,195	\$1,302,000
96-inch RCP	1904	LF	\$514	\$978,000
Removal of Pipe (92" dia.)	1854	LF	\$54	\$99,000
Removal of Pipe (78" dia.)	1139	LF	\$54	\$61,000
Removal of Manhole	3	EA	\$931	\$3,000
Removal of Asphalt Mat	9980	SY	\$7	\$70,000
Asphalt Patching/Paving	9980	SY	\$26	\$259,000
Manhole Special (Large Junction Box)	2	EA	\$46,759	\$94,000
SUBTOTAL FOR BASE CAPITAL IMPROVEMENT COSTS:				\$2,866,000
MOBILIZATION			10%	\$287,000
DEWATERING			5%	\$143,000
TRAFFIC CONTROL			10%	\$287,000
UTILITY COORDINATION/RELOCATION			10%	\$287,000
STORMWATER MANAGEMENT/EROSION CONTROL			5%	\$143,000
SUBTOTAL FOR ADDITIONAL CAPITAL IMPROVEMENT COSTS:				\$1,147,000
SUBTOTAL FOR TOTAL CAPITAL IMPROVEMENT COSTS:				\$4,013,000
CONTINGENCIES			25%	\$1,003,000
ENGINEERING DESIGN SERVICES			15%	\$602,000
LEGAL AND ADMINISTRATIVE SERVICES			5%	\$201,000
CONTRACT ADMIN/CONSTRUCTION MANAGEMENT			10%	\$401,000
SUBTOTAL FOR OTHER COSTS:				\$2,207,000
TOTAL ESTIMATED CONSTRUCTION COST:				\$6,220,000

PROJECT: ENGLEWOOD OSP				
BASIN: SOUTH ENGLEWOOD				
SEGMENT: S1 - SOUTH PLATTE RIVER TO NAVAJO ST				
25-YR DESIGN PRELIMINARY COST ESTIMATE (AVERAGE INSTALLATION)				
ITEM	QUANTITY	UNITS	UNIT COST	TOTAL COST
2-12'x7' RCBC (Precast)	2178	LF	\$1,195	\$2,603,000
2-10'x6' RCBC (Precast)	3808	LF	\$1,195	\$4,551,000
Removal of Pipe (92" dia.)	1854	LF	\$54	\$99,000
Removal of Pipe (78" dia.)	1139	LF	\$54	\$61,000
Removal of Manhole	3	EA	\$931	\$3,000
Removal of Asphalt Mat	9980	SY	\$7	\$70,000
Asphalt Patching/Paving	9980	SY	\$26	\$259,000
Manhole Special (Large Junction Box)	2	EA	\$46,759	\$94,000
SUBTOTAL FOR BASE CAPITAL IMPROVEMENT COSTS:				\$7,740,000
MOBILIZATION			10%	774,000
DEWATERING			5%	387,000
TRAFFIC CONTROL			10%	774,000
UTILITY COORDINATION/RELOCATION			10%	774,000
STORMWATER MANAGEMENT/EROSION CONTROL			5%	387,000
SUBTOTAL FOR ADDITIONAL CAPITAL IMPROVEMENT COSTS:				3,096,000
SUBTOTAL FOR TOTAL CAPITAL IMPROVEMENT COSTS:				10,836,000
CONTINGENCIES			25%	2,709,000
ENGINEERING DESIGN SERVICES			15%	1,625,000
LEGAL AND ADMINISTRATIVE SERVICES			5%	542,000
CONTRACT ADMIN/CONSTRUCTION MANAGEMENT			10%	1,084,000
SUBTOTAL FOR OTHER COSTS:				\$5,960,000
TOTAL ESTIMATED CONSTRUCTION COST:				\$16,796,000

PROJECT: ENGLEWOOD OSP				
BASIN: SOUTH ENGLEWOOD				
SEGMENT: S2 - OXFORD ST TO ROTOLO PARK				
10-YR DESIGN PRELIMINARY COST ESTIMATE (AVERAGE INSTALLATION)				
ITEM	QUANTITY	UNITS	UNIT COST	TOTAL COST
78-inch RCP	2025	LF	\$417	\$845,000
72-inch RCP	453	LF	\$385	\$174,000
42-inch RCP	2608	LF	\$135	\$352,000
36-inch RCP	1331	LF	\$116	\$154,000
Rotolo Park Demolition	2.6	AC	\$2,000	\$5,000
Rotolo Park Excavation	8075	CY	\$31	\$250,000
Jason Park Detention Facility Demolition	4	AC	\$2,000	\$8,000
Jason Park Detention Facility Excavation	28021	CY	\$31	\$869,000
Detention Facility Outlet Structure	2	EA	\$19,814	\$40,000
Reclamation and Seeding (Native Grass)	6.6	AC	\$1,310	\$9,000
Removal of Pipe (84" dia.)	2025	LF	\$54	\$108,000
Removal of Pipe (76" dia.)	737	LF	\$54	\$39,000
Removal of Pipe (60" dia.)	594	LF	\$54	\$32,000
Removal of Pipe (33" dia.)	453	LF	\$21	\$10,000
Removal of Manhole	8	EA	\$931	\$7,000
Removal of Asphalt Mat	4667	SY	\$7	\$33,000
Asphalt Patching/Paving	4667	SY	\$26	\$121,000
Manhole Special (Large Junction Box)	4	EA	\$46,759	\$187,000
SUBTOTAL FOR BASE CAPITAL IMPROVEMENT COSTS:				\$3,243,000
MOBILIZATION			10%	\$324,000
DEWATERING			5%	\$162,000
TRAFFIC CONTROL			10%	\$324,000
UTILITY COORDINATION/RELOCATION			10%	\$324,000
STORMWATER MANAGEMENT/EROSION CONTROL			5%	\$162,000
SUBTOTAL FOR ADDITIONAL CAPITAL IMPROVEMENT COSTS:				\$1,296,000
SUBTOTAL FOR TOTAL CAPITAL IMPROVEMENT COSTS:				\$4,539,000
CONTINGENCIES			25%	\$1,135,000
ENGINEERING DESIGN SERVICES			15%	\$681,000
LEGAL AND ADMINISTRATIVE SERVICES			5%	\$227,000
CONTRACT ADMIN/CONSTRUCTION MANAGEMENT			10%	\$454,000
SUBTOTAL FOR OTHER COSTS:				\$2,497,000
TOTAL ESTIMATED CONSTRUCTION COST:				\$7,036,000

PROJECT: ENGLEWOOD OSP				
BASIN: SOUTH ENGLEWOOD				
SEGMENT: S2 - OXFORD ST TO ROTOLO PARK				
25-YR DESIGN PRELIMINARY COST ESTIMATE (AVERAGE INSTALLATION)				
ITEM	QUANTITY	UNITS	UNIT COST	TOTAL COST
11'x6' RCBC (Precast)	2025	LF	\$1,195	\$2,420,000
96-inch RCP	1331	LF	\$514	\$684,000
72-inch RCP	406	LF	\$385	\$156,000
42-inch RCP	2608	LF	\$135	\$352,000
36-inch RCP	453	LF	\$116	\$52,000
Rotolo Park Detention Facility Demolition	2.6	AC	\$2,000	\$5,000
Rotolo Park Detention Facility Excavation	8075	CY	\$31	\$250,000
Jason Park Detention Facility Demolition	4	AC	\$2,000	\$8,000
Jason Park Detention Facility Excavation	28021	CY	\$31	\$869,000
Detention Facility Outlet Structure	2	EA	\$19,814	\$40,000
Reclamation and Seeding (Native Grass)	6.6	AC	\$1,310	\$9,000
Removal of Pipe (84" dia.)	2025	LF	\$54	\$108,000
Removal of Pipe (76" dia.)	737	LF	\$54	\$39,000
Removal of Pipe (60" dia.)	1000	LF	\$54	\$54,000
Removal of Pipe (33" dia.)	453	LF	\$21	\$10,000
Removal of Manhole	8	EA	\$931	\$7,000
Removal of Asphalt Mat	11895	SY	\$7	\$83,000
Asphalt Patching/Paving	11895	SY	\$26	\$309,000
Manhole Special (Large Junction Box)	4	EA	\$46,759	\$187,000
SUBTOTAL FOR BASE CAPITAL IMPROVEMENT COSTS:				\$5,642,000
MOBILIZATION			10%	564,000
DEWATERING			5%	282,000
TRAFFIC CONTROL			10%	564,000
UTILITY COORDINATION/RELOCATION			10%	564,000
STORMWATER MANAGEMENT/EROSION CONTROL			5%	282,000
SUBTOTAL FOR ADDITIONAL CAPITAL IMPROVEMENT COSTS:				2,256,000
SUBTOTAL FOR TOTAL CAPITAL IMPROVEMENT COSTS:				7,898,000
CONTINGENCIES			25%	1,975,000
ENGINEERING DESIGN SERVICES			15%	1,185,000
LEGAL AND ADMINISTRATIVE SERVICES			5%	395,000
CONTRACT ADMIN/CONSTRUCTION MANAGEMENT			10%	790,000
SUBTOTAL FOR OTHER COSTS:				\$4,345,000
TOTAL ESTIMATED CONSTRUCTION COST:				\$12,243,000

PROJECT: ENGLEWOOD OSP				
BASIN: SOUTH ENGLEWOOD				
SEGMENT: S3 - CHEROKEE ST TO CLARKSON ST				
10-YR DESIGN PRELIMINARY COST ESTIMATE (AVERAGE INSTALLATION)				
ITEM	QUANTITY	UNITS	UNIT COST	TOTAL COST
84-inch RCP	923	LF	\$449	\$415,000
72-inch RCP	2439	LF	\$385	\$940,000
60-inch RCP	992	LF	\$257	\$255,000
54-inch RCP	612	LF	\$231	\$141,000
42-inch RCP	831	LF	\$135	\$112,000
36-inch RCP	1008	LF	\$116	\$116,000
Clayton Detention Facility Demolition	1.8	AC	\$2,000	\$4,000
Clayton Detention Facility Excavation	21522	CY	\$31	\$667,000
Cherrelyn Detention Facility Demolition	0.4	AC	\$2,000	\$1,000
Cherrelyn Detention Facility Excavation	2579	CY	\$31	\$80,000
Duncan Park Detention Facility Demolition	0.8	AC	\$2,000	\$2,000
Duncan Park Detention Facility Excavation	5346	CY	\$31	\$166,000
Chenango Detention Facility Demolition	3.5	AC	\$2,000	\$7,000
Chenango Detention Facility Excavation	25740	CY	\$31	\$798,000
Detention Facility Outlet Structure	4	EA	\$19,814	\$79,000
Reclamation and Seeding (Native Grass)	9.5	AC	\$1,310	\$12,000
Removal of Pipe (76" dia.)	923	LF	\$54	\$49,000
Removal of Pipe (60" dia.)	692	LF	\$54	\$37,000
Removal of Pipe (54" dia.)	1484	LF	\$54	\$79,000
Removal of Pipe (48" dia.)	1455	LF	\$54	\$78,000
Removal of Pipe (42" dia.)	612	LF	\$21	\$13,000
Removal of Pipe (36" dia.)	219	LF	\$21	\$5,000
Removal of Pipe (33" dia.)	1008	LF	\$21	\$22,000
Removal of Manhole	8	EA	\$931	\$7,000
Removal of Asphalt Mat	5845	SY	\$7	\$41,000
Asphalt Patching/Paving	5845	SY	\$26	\$152,000
Manhole, Type B (Pipe Dia. > 48")	5	EA	\$12,840	\$64,000
Manhole Special (Large Junction Box)	1	EA	\$46,759	\$47,000
SUBTOTAL FOR BASE CAPITAL IMPROVEMENT COSTS:				\$4,389,000
MOBILIZATION			10%	\$439,000
DEWATERING			5%	\$219,000
TRAFFIC CONTROL			10%	\$439,000
UTILITY COORDINATION/RELOCATION			10%	\$439,000
STORMWATER MANAGEMENT/EROSION CONTROL			5%	\$219,000
SUBTOTAL FOR ADDITIONAL CAPITAL IMPROVEMENT COSTS:				\$1,755,000
SUBTOTAL FOR TOTAL CAPITAL IMPROVEMENT COSTS:				\$6,144,000
CONTINGENCIES			25%	\$1,536,000
ENGINEERING DESIGN SERVICES			15%	\$922,000
LEGAL AND ADMINISTRATIVE SERVICES			5%	\$307,000
CONTRACT ADMIN/CONSTRUCTION MANAGEMENT			10%	\$614,000
SUBTOTAL FOR OTHER COSTS:				\$3,379,000
TOTAL ESTIMATED CONSTRUCTION COST:				\$9,523,000

PROJECT: ENGLEWOOD OSP				
BASIN: SOUTH ENGLEWOOD				
SEGMENT: S3 - CHEROKEE ST TO CLARKSON ST				
25-YR DESIGN PRELIMINARY COST ESTIMATE (AVERAGE INSTALLATION)				
ITEM	QUANTITY	UNITS	UNIT COST	TOTAL COST
11'x6' RCBC (Precast)	923	LF	\$1,195	\$1,103,000
90-inch RCP	2637	LF	\$482	\$1,270,000
78-inch RCP	992	LF	\$417	\$414,000
72-inch RCP	612	LF	\$385	\$236,000
48-inch RCP	618	LF	\$154	\$95,000
42-inch RCP	1008	LF	\$135	\$136,000
36-inch RCP	484	LF	\$116	\$56,000
Clayton Detention Facility Demolition	1.8	AC	\$2,000	\$4,000
Clayton Detention Facility Excavation	21522	CY	\$31	\$667,000
Cherrelyn Detention Facility Demolition	0.4	AC	\$2,000	\$1,000
Cherrelyn Detention Facility Excavation	2579	CY	\$31	\$80,000
Duncan Park Detention Facility Demolition	0.8	AC	\$2,000	\$2,000
Duncan Park Detention Facility Excavation	5346	CY	\$31	\$166,000
Chenango Detention Facility Demolition	3.5	AC	\$2,000	\$7,000
Chenango Detention Facility Excavation	25740	CY	\$31	\$798,000
Detention Facility Outlet Structure	4	EA	\$19,814	\$79,000
Reclamation and Seeding (Native Grass)	9.5	AC	\$1,310	\$12,000
Removal of Pipe (76" dia.)	923	LF	\$54	\$49,000
Removal of Pipe (60" dia.)	692	LF	\$54	\$37,000
Removal of Pipe (54" dia.)	1484	LF	\$54	\$79,000
Removal of Pipe (48" dia.)	1455	LF	\$54	\$78,000
Removal of Pipe (42" dia.)	1011	LF	\$21	\$22,000
Removal of Pipe (36" dia.)	219	LF	\$21	\$5,000
Removal of Pipe (33" dia.)	1008	LF	\$21	\$22,000
Removal of Manhole	8	EA	\$931	\$7,000
Removal of Asphalt Mat	8034	SY	\$7	\$56,000
Asphalt Patching/Paving	8034	SY	\$26	\$209,000
Manhole, Type B (Pipe Dia. > 48")	1	EA	\$12,840	\$13,000
Manhole Special (Large Junction Box)	5	EA	\$46,759	\$234,000
SUBTOTAL FOR BASE CAPITAL IMPROVEMENT COSTS:				\$5,937,000
MOBILIZATION			10%	594,000
DEWATERING			5%	297,000
TRAFFIC CONTROL			10%	594,000
UTILITY COORDINATION/RELOCATION			10%	594,000
STORMWATER MANAGEMENT/EROSION CONTROL			5%	297,000
SUBTOTAL FOR ADDITIONAL CAPITAL IMPROVEMENT COSTS:				2,376,000
SUBTOTAL FOR TOTAL CAPITAL IMPROVEMENT COSTS:				8,313,000
CONTINGENCIES			25%	2,078,000
ENGINEERING DESIGN SERVICES			15%	1,247,000
LEGAL AND ADMINISTRATIVE SERVICES			5%	416,000
CONTRACT ADMIN/CONSTRUCTION MANAGEMENT			10%	831,000
SUBTOTAL FOR OTHER COSTS:				\$4,572,000
TOTAL ESTIMATED CONSTRUCTION COST:				\$12,885,000

PROJECT: ENGLEWOOD OSP				
BASIN: SOUTH ENGLEWOOD				
SEGMENT: S4 - UNION AVE TO CHENANGO AVE				
10-YR DESIGN PRELIMINARY COST ESTIMATE (AVERAGE INSTALLATION)				
ITEM	QUANTITY	UNITS	UNIT COST	TOTAL COST
42-inch RCP	219	LF	\$135	\$30,000
36-inch RCP	1008	LF	\$116	\$116,000
Removal of Pipe (36" dia.)	219	LF	\$21	\$5,000
Removal of Pipe (33" dia.)	1008	LF	\$21	\$22,000
Removal of Manhole	4	EA	\$931	\$4,000
Removal of Asphalt Mat	682	SY	\$7	\$5,000
Asphalt Patching/Paving	682	SY	\$26	\$18,000
Manhole, 5' Dia (Pipe Dia 36-42", Depth > 15')	2	EA	\$4,173	\$8,000
SUBTOTAL FOR BASE CAPITAL IMPROVEMENT COSTS:				\$208,000
MOBILIZATION			10%	\$21,000
DEWATERING			5%	\$10,000
TRAFFIC CONTROL			10%	\$21,000
UTILITY COORDINATION/RELOCATION			10%	\$21,000
STORMWATER MANAGEMENT/EROSION CONTROL			5%	\$10,000
SUBTOTAL FOR ADDITIONAL CAPITAL IMPROVEMENT COSTS:				\$83,000
SUBTOTAL FOR TOTAL CAPITAL IMPROVEMENT COSTS:				\$291,000
CONTINGENCIES			25%	\$73,000
ENGINEERING DESIGN SERVICES			15%	\$44,000
LEGAL AND ADMINISTRATIVE SERVICES			5%	\$15,000
CONTRACT ADMIN/CONSTRUCTION MANAGEMENT			10%	\$29,000
SUBTOTAL FOR OTHER COSTS:				\$161,000
TOTAL ESTIMATED CONSTRUCTION COST:				\$452,000

PROJECT: ENGLEWOOD OSP				
BASIN: SOUTH ENGLEWOOD				
SEGMENT: S4 - UNION AVE TO CHENANGO AVE				
25-YR DESIGN PRELIMINARY COST ESTIMATE (AVERAGE INSTALLATION)				
ITEM	QUANTITY	UNITS	UNIT COST	TOTAL COST
48-inch RCP	618	LF	\$154	\$95,000
42-inch RCP	1008	LF	\$135	\$136,000
Removal of Pipe (42" dia.)	399	LF	\$21	\$9,000
Removal of Pipe (36" dia.)	219	LF	\$21	\$5,000
Removal of Pipe (33" dia.)	1008	LF	\$21	\$22,000
Removal of Manhole	4	EA	\$931	\$4,000
Removal of Asphalt Mat	1084	SY	\$7	\$8,000
Asphalt Patching/Paving	1084	SY	\$26	\$28,000
Manhole, 5' Dia (Pipe Dia 36-42", Depth > 15')	1	EA	\$4,173	\$4,000
Manhole, 6' Dia (Pipe Dia, Depth > 15')	1	EA	\$4,601	\$5,000
SUBTOTAL FOR BASE CAPITAL IMPROVEMENT COSTS:				\$316,000
MOBILIZATION			10%	32,000
DEWATERING			5%	16,000
TRAFFIC CONTROL			10%	32,000
UTILITY COORDINATION/RELOCATION			10%	32,000
STORMWATER MANAGEMENT/EROSION CONTROL			5%	16,000
SUBTOTAL FOR ADDITIONAL CAPITAL IMPROVEMENT COSTS:				128,000
SUBTOTAL FOR TOTAL CAPITAL IMPROVEMENT COSTS:				444,000
CONTINGENCIES			25%	111,000
ENGINEERING DESIGN SERVICES			15%	67,000
LEGAL AND ADMINISTRATIVE SERVICES			5%	22,000
CONTRACT ADMIN/CONSTRUCTION MANAGEMENT			10%	44,000
SUBTOTAL FOR OTHER COSTS:				\$244,000
TOTAL ESTIMATED CONSTRUCTION COST:				\$688,000

PROJECT: ENGLEWOOD OSP				
BASIN: SOUTH-CENTRAL ENGLEWOOD				
SEGMENT: SC1 - NAVAJO ST TO BANNOCK ST				
10-YR DESIGN PRELIMINARY COST ESTIMATE (AVERAGE INSTALLATION)				
ITEM	QUANTITY	UNITS	UNIT COST	TOTAL COST
66-inch RCP	496	LF	\$282	\$140,000
Oxford Detention Facility Demolition	0.5	AC	\$2,000	\$1,000
Oxford Detention Facility Excavation	4600	CY	\$31	\$143,000
Detention Facility Outlet Structure	1	EA	\$19,814	\$20,000
Underground Storage Vault	61525	CF	\$7	\$431,000
Reclamation and Seeding (Native Grass)	0.5	AC	\$1,310	\$1,000
Removal of Pipe (60" dia.)	496	LF	\$54	\$27,000
Removal of Manhole	2	EA	\$931	\$2,000
Removal of Asphalt Mat	2142	SY	\$7	\$15,000
Asphalt Patching/Paving	2142	SY	\$26	\$56,000
Manhole, Type B (Pipe Dia. > 48")	1	EA	\$4,601	\$5,000
SUBTOTAL FOR BASE CAPITAL IMPROVEMENT COSTS:				\$841,000
MOBILIZATION			10%	\$84,000
DEWATERING			5%	\$42,000
TRAFFIC CONTROL			10%	\$84,000
UTILITY COORDINATION/RELOCATION			10%	\$84,000
STORMWATER MANAGEMENT/EROSION CONTROL			5%	\$42,000
SUBTOTAL FOR ADDITIONAL CAPITAL IMPROVEMENT COSTS:				\$336,000
SUBTOTAL FOR TOTAL CAPITAL IMPROVEMENT COSTS:				\$1,177,000
CONTINGENCIES			25%	\$294,000
ENGINEERING DESIGN SERVICES			15%	\$177,000
LEGAL AND ADMINISTRATIVE SERVICES			5%	\$59,000
CONTRACT ADMIN/CONSTRUCTION MANAGEMENT			10%	\$118,000
SUBTOTAL FOR OTHER COSTS:				\$648,000
TOTAL ESTIMATED CONSTRUCTION COST:				\$1,825,000

PROJECT: ENGLEWOOD OSP				
BASIN: SOUTH-CENTRAL ENGLEWOOD				
SEGMENT: SC1 - NAVAJO ST TO BANNOCK ST				
25-YR DESIGN PRELIMINARY COST ESTIMATE (AVERAGE INSTALLATION)				
ITEM	QUANTITY	UNITS	UNIT COST	TOTAL COST
84-inch RCP	1660	LF	\$449	\$746,000
72-inch RCP	1298	LF	\$385	\$500,000
60-inch RCP	653	LF	\$257	\$168,000
30-inch RCP	353	LF	\$96	\$34,000
Oxford Detention Facility Demolition	0.5	AC	\$2,000	\$1,000
Oxford Detention Facility Excavation	4600	CY	\$31	\$143,000
Detention Facility Outlet Structure	1	EA	\$19,814	\$20,000
Underground Storage Vault	61525	CF	\$7	\$431,000
Reclamation and Seeding (Native Grass)	0.5	AC	\$1,310	\$1,000
Removal of Pipe (76" dia.)	1164	LF	\$54	\$62,000
Removal of Pipe (60" dia.)	496	LF	\$54	\$27,000
Removal of Pipe (54" dia.)	1298	LF	\$54	\$69,000
Removal of Pipe (48" dia.)	653	LF	\$54	\$35,000
Removal of Pipe (21" dia.)	353	LF	\$21	\$8,000
Removal of Manhole	5	EA	\$931	\$5,000
Removal of Asphalt Mat	5291	SY	\$7	\$37,000
Asphalt Patching/Paving	5291	SY	\$26	\$138,000
Manhole, Type B (Pipe Dia. > 48")	2	EA	\$4,601	\$9,000
Manhole Special (Large Junction Box)	3	EA	\$46,759	\$140,000
SUBTOTAL FOR BASE CAPITAL IMPROVEMENT COSTS:				\$2,574,000
MOBILIZATION			10%	\$257,000
DEWATERING			5%	\$129,000
TRAFFIC CONTROL			10%	\$257,000
UTILITY COORDINATION/RELOCATION			10%	\$257,000
STORMWATER MANAGEMENT/EROSION CONTROL			5%	\$129,000
SUBTOTAL FOR ADDITIONAL CAPITAL IMPROVEMENT COSTS:				\$1,029,000
SUBTOTAL FOR TOTAL CAPITAL IMPROVEMENT COSTS:				\$3,603,000
CONTINGENCIES			25%	\$901,000
ENGINEERING DESIGN SERVICES			15%	\$540,000
LEGAL AND ADMINISTRATIVE SERVICES			5%	\$180,000
CONTRACT ADMIN/CONSTRUCTION MANAGEMENT			10%	\$360,000
SUBTOTAL FOR OTHER COSTS:				\$1,981,000
TOTAL ESTIMATED CONSTRUCTION COST:				\$5,584,000

PROJECT: ENGLEWOOD OSP				
BASIN: SOUTH-CENTRAL ENGLEWOOD				
SEGMENT: SC2 - OXFORD ST TO CLARKSON ST				
10-YR DESIGN PRELIMINARY COST ESTIMATE (AVERAGE INSTALLATION)				
ITEM	QUANTITY	UNITS	UNIT COST	TOTAL COST
48-inch RCP	962	LF	\$154	\$148,000
42-inch RCP	306	LF	\$135	\$41,000
36-inch RCP	1637	LF	\$116	\$189,000
Removal of Pipe (36" dia.)	962	LF	\$21	\$21,000
Removal of Pipe (30" dia.)	306	LF	\$21	\$7,000
Removal of Pipe (15" dia.)	1637	LF	\$21	\$35,000
Removal of Manhole	5	EA	\$931	\$5,000
Removal of Asphalt Mat	1937	SY	\$7	\$14,000
Asphalt Patching/Paving	1937	SY	\$26	\$50,000
Manhole, 5' Dia (Pipe Dia 36-42", Depth > 15')	3	EA	\$4,173	\$13,000
Manhole, 6' Dia (Pipe Dia, Depth > 15')	4	EA	\$4,601	\$18,000
SUBTOTAL FOR BASE CAPITAL IMPROVEMENT COSTS:				\$541,000
MOBILIZATION			10%	\$54,000
DEWATERING			5%	\$27,000
TRAFFIC CONTROL			10%	\$54,000
UTILITY COORDINATION/RELOCATION			10%	\$54,000
STORMWATER MANAGEMENT/EROSION CONTROL			5%	\$27,000
SUBTOTAL FOR ADDITIONAL CAPITAL IMPROVEMENT COSTS:				\$216,000
SUBTOTAL FOR TOTAL CAPITAL IMPROVEMENT COSTS:				\$757,000
CONTINGENCIES			25%	\$189,000
ENGINEERING DESIGN SERVICES			15%	\$114,000
LEGAL AND ADMINISTRATIVE SERVICES			5%	\$38,000
CONTRACT ADMIN/CONSTRUCTION MANAGEMENT			10%	\$76,000
SUBTOTAL FOR OTHER COSTS:				\$417,000
TOTAL ESTIMATED CONSTRUCTION COST:				\$1,174,000

PROJECT: ENGLEWOOD OSP				
BASIN: SOUTH-CENTRAL ENGLEWOOD				
SEGMENT: SC2 - OXFORD ST TO CLARKSON ST				
25-YR DESIGN PRELIMINARY COST ESTIMATE (AVERAGE INSTALLATION)				
ITEM	QUANTITY	UNITS	UNIT COST	TOTAL COST
60-inch RCP	412	LF	\$257	\$106,000
54-inch RCP	2908	LF	\$231	\$672,000
48-inch RCP	306	LF	\$154	\$47,000
42-inch RCP	1637	LF	\$135	\$221,000
Removal of Pipe (48" dia.)	2299	LF	\$54	\$123,000
Removal of Pipe (42" dia.)	1021	LF	\$21	\$22,000
Removal of Pipe (36" dia.)	962	LF	\$21	\$21,000
Removal of Pipe (30" dia.)	306	LF	\$21	\$7,000
Removal of Pipe (15" dia.)	1637	LF	\$21	\$35,000
Removal of Manhole	10	EA	\$931	\$9,000
Removal of Asphalt Mat	3878	SY	\$7	\$27,000
Asphalt Patching/Paving	3878	SY	\$26	\$101,000
Manhole, 5' Dia (Pipe Dia 36-42", Depth > 15')	1	EA	\$4,173	\$4,000
Manhole, 6' Dia (Pipe Dia, Depth > 15')	1	EA	\$4,601	\$5,000
Manhole, Type B (Pipe Dia. > 48")	5	EA	\$12,840	\$64,000
SUBTOTAL FOR BASE CAPITAL IMPROVEMENT COSTS:				\$1,464,000
MOBILIZATION			10%	146,000
DEWATERING			5%	73,000
TRAFFIC CONTROL			10%	146,000
UTILITY COORDINATION/RELOCATION			10%	146,000
STORMWATER MANAGEMENT/EROSION CONTROL			5%	73,000
SUBTOTAL FOR ADDITIONAL CAPITAL IMPROVEMENT COSTS:				584,000
SUBTOTAL FOR TOTAL CAPITAL IMPROVEMENT COSTS:				2,048,000
CONTINGENCIES			25%	512,000
ENGINEERING DESIGN SERVICES			15%	307,000
LEGAL AND ADMINISTRATIVE SERVICES			5%	102,000
CONTRACT ADMIN/CONSTRUCTION MANAGEMENT			10%	205,000
SUBTOTAL FOR OTHER COSTS:				\$1,126,000
TOTAL ESTIMATED CONSTRUCTION COST:				\$3,174,000

PROJECT: ENGLEWOOD OSP				
BASIN: CENTRAL ENGLEWOOD				
SEGMENT: C1 - HAMPDEN AVE TO MANSFIELD AVE				
10-YR DESIGN PRELIMINARY COST ESTIMATE (AVERAGE INSTALLATION)				
ITEM	QUANTITY	UNITS	UNIT COST	TOTAL COST
78-inch RCP	744	LF	\$417	\$310,000
60-inch RCP	1135	LF	\$257	\$291,000
54-inch RCP	656	LF	\$231	\$152,000
48-inch RCP	800	LF	\$154	\$123,000
Removal of Pipe (48" dia.)	744	LF	\$21	\$16,000
Removal of Pipe (36" dia.)	1135	LF	\$21	\$24,000
Removal of Pipe (30" dia.)	656	LF	\$21	\$14,000
Removal of Pipe (24" dia.)	481	LF	\$21	\$10,000
Removal of Pipe (18" dia.)	319	LF	\$21	\$7,000
Removal of Manhole	7	EA	\$931	\$7,000
Removal of Asphalt Mat	2714	SY	\$7	\$19,000
Asphalt Patching/Paving	2714	SY	\$26	\$71,000
Manhole, Type B (Pipe Dia. > 48")	5	EA	\$12,840	\$64,000
SUBTOTAL FOR BASE CAPITAL IMPROVEMENT COSTS:				\$1,108,000
MOBILIZATION			10%	\$111,000
DEWATERING			5%	\$55,000
TRAFFIC CONTROL			10%	\$111,000
UTILITY COORDINATION/RELOCATION			10%	\$111,000
STORMWATER MANAGEMENT/EROSION CONTROL			5%	\$55,000
SUBTOTAL FOR ADDITIONAL CAPITAL IMPROVEMENT COSTS:				\$443,000
SUBTOTAL FOR TOTAL CAPITAL IMPROVEMENT COSTS:				\$1,551,000
CONTINGENCIES			25%	\$388,000
ENGINEERING DESIGN SERVICES			15%	\$233,000
LEGAL AND ADMINISTRATIVE SERVICES			5%	\$78,000
CONTRACT ADMIN/CONSTRUCTION MANAGEMENT			10%	\$155,000
SUBTOTAL FOR OTHER COSTS:				\$854,000
TOTAL ESTIMATED CONSTRUCTION COST:				\$2,405,000

PROJECT: ENGLEWOOD OSP				
BASIN: CENTRAL ENGLEWOOD				
SEGMENT: C1 - HAMPDEN AVE TO MANSFIELD AVE				
25-YR DESIGN PRELIMINARY COST ESTIMATE (AVERAGE INSTALLATION)				
ITEM	QUANTITY	UNITS	UNIT COST	TOTAL COST
90-inch RCP	1501	LF	\$482	\$723,000
72-inch RCP	309	LF	\$385	\$119,000
66-inch RCP	826	LF	\$282	\$233,000
60-inch RCP	656	LF	\$257	\$168,000
54-inch RCP	800	LF	\$231	\$185,000
Removal of Pipe (66" dia.)	757	LF	\$54	\$40,000
Removal of Pipe (48" dia.)	744	LF	\$21	\$16,000
Removal of Pipe (36" dia.)	1135	LF	\$21	\$24,000
Removal of Pipe (30" dia.)	656	LF	\$21	\$14,000
Removal of Pipe (24" dia.)	481	LF	\$21	\$10,000
Removal of Pipe (18" dia.)	319	LF	\$21	\$7,000
Removal of Manhole	8	EA	\$931	\$7,000
Removal of Asphalt Mat	3809	SY	\$7	\$27,000
Asphalt Patching/Paving	3809	SY	\$26	\$99,000
Manhole, Type B (Pipe Dia. > 48")	4	EA	\$12,840	\$51,000
Manhole Special (Large Junction Box)	1	EA	\$46,759	\$47,000
SUBTOTAL FOR BASE CAPITAL IMPROVEMENT COSTS:				\$1,770,000
MOBILIZATION			10%	177,000
DEWATERING			5%	89,000
TRAFFIC CONTROL			10%	177,000
UTILITY COORDINATION/RELOCATION			10%	177,000
STORMWATER MANAGEMENT/EROSION CONTROL			5%	89,000
SUBTOTAL FOR ADDITIONAL CAPITAL IMPROVEMENT COSTS:				709,000
SUBTOTAL FOR TOTAL CAPITAL IMPROVEMENT COSTS:				2,479,000
CONTINGENCIES			25%	620,000
ENGINEERING DESIGN SERVICES			15%	372,000
LEGAL AND ADMINISTRATIVE SERVICES			5%	124,000
CONTRACT ADMIN/CONSTRUCTION MANAGEMENT			10%	248,000
SUBTOTAL FOR OTHER COSTS:				\$1,364,000
TOTAL ESTIMATED CONSTRUCTION COST:				\$3,843,000

PROJECT: ENGLEWOOD OSP				
BASIN: NORTH ENGLEWOOD				
SEGMENT: N1 - DARTMOUTH AVE TO BATES AVE				
10-YR DESIGN PRELIMINARY COST ESTIMATE (AVERAGE INSTALLATION)				
ITEM	QUANTITY	UNITS	UNIT COST	TOTAL COST
66-inch RCP	1338	LF	\$282	\$378,000
Removal of Pipe (60" dia.)	1338	LF	\$54	\$72,000
Removal of Manhole	3	EA	\$931	\$3,000
Removal of Asphalt Mat	1189	SY	\$7	\$8,000
Asphalt Patching/Paving	1189	SY	\$26	\$31,000
Manhole, Type B (Pipe Dia. > 48")	2	EA	\$12,840	\$26,000
SUBTOTAL FOR BASE CAPITAL IMPROVEMENT COSTS:				\$518,000
MOBILIZATION			10%	\$52,000
DEWATERING			5%	\$26,000
TRAFFIC CONTROL			10%	\$52,000
UTILITY COORDINATION/RELOCATION			10%	\$52,000
STORMWATER MANAGEMENT/EROSION CONTROL			5%	\$26,000
SUBTOTAL FOR ADDITIONAL CAPITAL IMPROVEMENT COSTS:				\$208,000
SUBTOTAL FOR TOTAL CAPITAL IMPROVEMENT COSTS:				\$726,000
CONTINGENCIES			25%	\$182,000
ENGINEERING DESIGN SERVICES			15%	\$109,000
LEGAL AND ADMINISTRATIVE SERVICES			5%	\$36,000
CONTRACT ADMIN/CONSTRUCTION MANAGEMENT			10%	\$73,000
SUBTOTAL FOR OTHER COSTS:				\$400,000
TOTAL ESTIMATED CONSTRUCTION COST:				\$1,126,000

PROJECT: ENGLEWOOD OSP				
BASIN: NORTH ENGLEWOOD				
SEGMENT: N1 - DARTMOUTH AVE TO BATES AVE				
25-YR DESIGN PRELIMINARY COST ESTIMATE (AVERAGE INSTALLATION)				
ITEM	QUANTITY	UNITS	UNIT COST	TOTAL COST
84-inch RCP	320	LF	\$449	\$144,000
78-inch RCP	1018	LF	\$417	\$425,000
Removal of Pipe (60" dia.)	1338	LF	\$54	\$72,000
Removal of Manhole	3	EA	\$931	\$3,000
Removal of Asphalt Mat	1487	SY	\$7	\$10,000
Asphalt Patching/Paving	1487	SY	\$26	\$39,000
Manhole, Type B (Pipe Dia. > 48")	1	EA	\$12,840	\$13,000
Manhole Special (Large Junction Box)	1	EA	\$46,759	\$47,000
SUBTOTAL FOR BASE CAPITAL IMPROVEMENT COSTS:				\$753,000
MOBILIZATION			10%	\$75,000
DEWATERING			5%	\$38,000
TRAFFIC CONTROL			10%	\$75,000
UTILITY COORDINATION/RELOCATION			10%	\$75,000
STORMWATER MANAGEMENT/EROSION CONTROL			5%	\$38,000
SUBTOTAL FOR ADDITIONAL CAPITAL IMPROVEMENT COSTS:				\$301,000
SUBTOTAL FOR TOTAL CAPITAL IMPROVEMENT COSTS:				\$1,054,000
CONTINGENCIES			25%	\$264,000
ENGINEERING DESIGN SERVICES			15%	\$158,000
LEGAL AND ADMINISTRATIVE SERVICES			5%	\$53,000
CONTRACT ADMIN/CONSTRUCTION MANAGEMENT			10%	\$105,000
SUBTOTAL FOR OTHER COSTS:				\$580,000
TOTAL ESTIMATED CONSTRUCTION COST:				\$1,634,000

PROJECT: ENGLEWOOD OSP				
BASIN: NORTH ENGLEWOOD				
SEGMENT: N2 - ELATI ST TO ACOMA ST (BATES AVE)				
10-YR DESIGN PRELIMINARY COST ESTIMATE (AVERAGE INSTALLATION)				
ITEM	QUANTITY	UNITS	UNIT COST	TOTAL COST
(No proposed improvements)				\$0
				\$0
SUBTOTAL FOR BASE CAPITAL IMPROVEMENT COSTS:				\$0
MOBILIZATION			10%	\$0
DEWATERING			5%	\$0
TRAFFIC CONTROL			10%	\$0
UTILITY COORDINATION/RELOCATION			10%	\$0
STORMWATER MANAGEMENT/EROSION CONTROL			5%	\$0
SUBTOTAL FOR ADDITIONAL CAPITAL IMPROVEMENT COSTS:				\$0
SUBTOTAL FOR TOTAL CAPITAL IMPROVEMENT COSTS:				\$0
CONTINGENCIES			25%	\$0
ENGINEERING DESIGN SERVICES			15%	\$0
LEGAL AND ADMINISTRATIVE SERVICES			5%	\$0
CONTRACT ADMIN/CONSTRUCTION MANAGEMENT			10%	\$0
SUBTOTAL FOR OTHER COSTS:				\$0
TOTAL ESTIMATED CONSTRUCTION COST:				\$0

PROJECT: ENGLEWOOD OSP				
BASIN: NORTH ENGLEWOOD				
SEGMENT: N2 - ELATI ST TO ACOMA ST (BATES AVE)				
25-YR DESIGN PRELIMINARY COST ESTIMATE (AVERAGE INSTALLATION)				
ITEM	QUANTITY	UNITS	UNIT COST	TOTAL COST
66-inch RCP	1260	LF	\$282	\$356,000
36-inch RCP	650	LF	\$116	\$75,000
Removal of Pipe (60" dia.)	1260	LF	\$54	\$67,000
Removal of Pipe (30" dia.)	650	LF	\$21	\$14,000
Removal of Asphalt Mat	1481	SY	\$7	\$10,000
Asphalt Patching/Paving	1481	SY	\$26	\$39,000
SUBTOTAL FOR BASE CAPITAL IMPROVEMENT COSTS:				\$561,000
MOBILIZATION			10%	56,000
DEWATERING			5%	28,000
TRAFFIC CONTROL			10%	56,000
UTILITY COORDINATION/RELOCATION			10%	56,000
STORMWATER MANAGEMENT/EROSION CONTROL			5%	28,000
SUBTOTAL FOR ADDITIONAL CAPITAL IMPROVEMENT COSTS:				224,000
SUBTOTAL FOR TOTAL CAPITAL IMPROVEMENT COSTS:				785,000
CONTINGENCIES			25%	196,000
ENGINEERING DESIGN SERVICES			15%	118,000
LEGAL AND ADMINISTRATIVE SERVICES			5%	39,000
CONTRACT ADMIN/CONSTRUCTION MANAGEMENT			10%	79,000
SUBTOTAL FOR OTHER COSTS:				\$432,000
TOTAL ESTIMATED CONSTRUCTION COST:				\$1,217,000

PROJECT: ENGLEWOOD OSP				
BASIN: NORTH ENGLEWOOD				
SEGMENT: N3 - LINCOLN ST TO EMERSON ST				
10-YR DESIGN PRELIMINARY COST ESTIMATE (AVERAGE INSTALLATION)				
ITEM	QUANTITY	UNITS	UNIT COST	TOTAL COST
48-inch RCP	912	LF	\$154	\$141,000
42-inch RCP	1363	LF	\$135	\$184,000
18-inch RCP	157	LF	\$77	\$12,000
Bates Logan Detention Facility Demolition	2.8	AC	\$2,000	\$6,000
Bates Logan Detention Facility Excavation	6028	CY	\$31	\$187,000
Detention Facility Outlet Structure	1	EA	\$19,814	\$20,000
Reclamation and Seeding (Native Grass)	2.8	AC	\$1,310	\$4,000
Removal of Pipe (42" dia.)	581	LF	\$21	\$12,000
Removal of Pipe (36" dia.)	332	LF	\$21	\$7,000
Removal of Pipe (30" dia.)	1363	LF	\$21	\$29,000
Removal of Pipe (15" dia.)	157	LF	\$21	\$3,000
Removal of Manhole	8	EA	\$931	\$7,000
Removal of Asphalt Mat	1586	SY	\$7	\$11,000
Asphalt Patching/Paving	1586	SY	\$26	\$41,000
Manhole, 5' Dia (Pipe Dia 36-42", Depth > 15')	1	EA	\$4,173	\$4,000
Manhole, 6' Dia (Pipe Dia, Depth > 15')	4	EA	\$4,601	\$18,000
SUBTOTAL FOR BASE CAPITAL IMPROVEMENT COSTS:				\$686,000
MOBILIZATION			10%	\$69,000
DEWATERING			5%	\$34,000
TRAFFIC CONTROL			10%	\$69,000
UTILITY COORDINATION/RELOCATION			10%	\$69,000
STORMWATER MANAGEMENT/EROSION CONTROL			5%	\$34,000
SUBTOTAL FOR ADDITIONAL CAPITAL IMPROVEMENT COSTS:				\$275,000
SUBTOTAL FOR TOTAL CAPITAL IMPROVEMENT COSTS:				\$961,000
CONTINGENCIES			25%	\$240,000
ENGINEERING DESIGN SERVICES			15%	\$144,000
LEGAL AND ADMINISTRATIVE SERVICES			5%	\$48,000
CONTRACT ADMIN/CONSTRUCTION MANAGEMENT			10%	\$96,000
SUBTOTAL FOR OTHER COSTS:				\$528,000
TOTAL ESTIMATED CONSTRUCTION COST:				\$1,489,000

PROJECT: ENGLEWOOD OSP				
BASIN: NORTH ENGLEWOOD				
SEGMENT: N3 - LINCOLN ST TO EMERSON ST				
25-YR DESIGN PRELIMINARY COST ESTIMATE (AVERAGE INSTALLATION)				
ITEM	QUANTITY	UNITS	UNIT COST	TOTAL COST
54-inch RCP	913	LF	\$231	\$211,000
48-inch RCP	1363	LF	\$154	\$210,000
30-inch RCP	1116	LF	\$96	\$107,000
Bates Logan Detention Facility Demolition	2.8	AC	\$2,000	\$6,000
Bates Logan Detention Facility Excavation	6028	CY	\$31	\$187,000
Detention Facility Outlet Structure	1	EA	\$19,814	\$20,000
Reclamation and Seeding (Native Grass)	2.8	AC	\$1,310	\$4,000
Removal of Pipe (24" dia.)	959	AC	\$21	\$21,000
Removal of Pipe (15" dia.)	157	AC	\$1,310	\$206,000
Removal of Manhole	10	EA	\$931	\$9,000
Removal of Asphalt Mat	2216	SY	\$7	\$16,000
Asphalt Patching/Paving	2216	SY	\$26	\$58,000
Manhole, 6' Dia (Pipe Dia, Depth > 15')	1	EA	\$4,601	\$5,000
Manhole, Type B (Pipe Dia. > 48")	4	EA	\$12,840	\$51,000
SUBTOTAL FOR BASE CAPITAL IMPROVEMENT COSTS:				\$1,111,000
MOBILIZATION			10%	111,000
DEWATERING			5%	56,000
TRAFFIC CONTROL			10%	111,000
UTILITY COORDINATION/RELOCATION			10%	111,000
STORMWATER MANAGEMENT/EROSION CONTROL			5%	56,000
SUBTOTAL FOR ADDITIONAL CAPITAL IMPROVEMENT COSTS:				445,000
SUBTOTAL FOR TOTAL CAPITAL IMPROVEMENT COSTS:				1,556,000
CONTINGENCIES			25%	389,000
ENGINEERING DESIGN SERVICES			15%	233,000
LEGAL AND ADMINISTRATIVE SERVICES			5%	78,000
CONTRACT ADMIN/CONSTRUCTION MANAGEMENT			10%	156,000
SUBTOTAL FOR OTHER COSTS:				\$856,000
TOTAL ESTIMATED CONSTRUCTION COST:				\$2,412,000

PROJECT: ENGLEWOOD OSP				
BASIN: NORTH ENGLEWOOD				
SEGMENT: N4 - ELATI ST TO ACOMA ST (DARTMOUTH AVE)				
10-YR DESIGN PRELIMINARY COST ESTIMATE (AVERAGE INSTALLATION)				
ITEM	QUANTITY	UNITS	UNIT COST	TOTAL COST
(No proposed improvements)				\$0
				\$0
SUBTOTAL FOR BASE CAPITAL IMPROVEMENT COSTS:				\$0
MOBILIZATION			10%	\$0
DEWATERING			5%	\$0
TRAFFIC CONTROL			10%	\$0
UTILITY COORDINATION/RELOCATION			10%	\$0
STORMWATER MANAGEMENT/EROSION CONTROL			5%	\$0
SUBTOTAL FOR ADDITIONAL CAPITAL IMPROVEMENT COSTS:				\$0
SUBTOTAL FOR TOTAL CAPITAL IMPROVEMENT COSTS:				\$0
CONTINGENCIES			25%	\$0
ENGINEERING DESIGN SERVICES			15%	\$0
LEGAL AND ADMINISTRATIVE SERVICES			5%	\$0
CONTRACT ADMIN/CONSTRUCTION MANAGEMENT			10%	\$0
SUBTOTAL FOR OTHER COSTS:				\$0
TOTAL ESTIMATED CONSTRUCTION COST:				\$0

PROJECT: ENGLEWOOD OSP				
BASIN: NORTH ENGLEWOOD				
SEGMENT: N4 - ELATI ST TO ACOMA ST (DARTMOUTH AVE)				
25-YR DESIGN PRELIMINARY COST ESTIMATE (AVERAGE INSTALLATION)				
ITEM	QUANTITY	UNITS	UNIT COST	TOTAL COST
60-inch RCP	670	LF	\$257	\$172,000
54-inch RCP	632	LF	\$231	\$146,000
Removal of Pipe (54" dia.)	670	LF	\$54	\$36,000
Removal of Pipe (48" dia.)	632	LF	\$54	\$34,000
Removal of Asphalt Mat	1087	SY	\$7	\$8,000
Asphalt Patching/Paving	1087	SY	\$26	\$28,000
SUBTOTAL FOR BASE CAPITAL IMPROVEMENT COSTS:				\$424,000
MOBILIZATION			10%	42,000
DEWATERING			5%	21,000
TRAFFIC CONTROL			10%	42,000
UTILITY COORDINATION/RELOCATION			10%	42,000
STORMWATER MANAGEMENT/EROSION CONTROL			5%	21,000
SUBTOTAL FOR ADDITIONAL CAPITAL IMPROVEMENT COSTS:				168,000
SUBTOTAL FOR TOTAL CAPITAL IMPROVEMENT COSTS:				592,000
CONTINGENCIES			25%	148,000
ENGINEERING DESIGN SERVICES			15%	89,000
LEGAL AND ADMINISTRATIVE SERVICES			5%	30,000
CONTRACT ADMIN/CONSTRUCTION MANAGEMENT			10%	59,000
SUBTOTAL FOR OTHER COSTS:				\$326,000
TOTAL ESTIMATED CONSTRUCTION COST:				\$918,000

PROJECT: ENGLEWOOD OSP				
BASIN: NORTH ENGLEWOOD				
SEGMENT: N5 - LINCOLN ST TO LOGAN ST				
10-YR DESIGN PRELIMINARY COST ESTIMATE (AVERAGE INSTALLATION)				
ITEM	QUANTITY	UNITS	UNIT COST	TOTAL COST
30-inch RCP	981	LF	\$96	\$94,000
Removal of Pipe (24" dia.)	981	LF	\$21	\$21,000
Removal of Manhole	1	EA	\$931	\$1,000
Removal of Asphalt Mat	545	SY	\$7	\$4,000
Asphalt Patching/Paving	545	SY	\$26	\$14,000
SUBTOTAL FOR BASE CAPITAL IMPROVEMENT COSTS:				\$134,000
MOBILIZATION			10%	\$13,000
DEWATERING			5%	\$7,000
TRAFFIC CONTROL			10%	\$13,000
UTILITY COORDINATION/RELOCATION			10%	\$13,000
STORMWATER MANAGEMENT/EROSION CONTROL			5%	\$7,000
SUBTOTAL FOR ADDITIONAL CAPITAL IMPROVEMENT COSTS:				\$53,000
SUBTOTAL FOR TOTAL CAPITAL IMPROVEMENT COSTS:				\$187,000
CONTINGENCIES			25%	\$47,000
ENGINEERING DESIGN SERVICES			15%	\$28,000
LEGAL AND ADMINISTRATIVE SERVICES			5%	\$9,000
CONTRACT ADMIN/CONSTRUCTION MANAGEMENT			10%	\$19,000
SUBTOTAL FOR OTHER COSTS:				\$103,000
TOTAL ESTIMATED CONSTRUCTION COST:				\$290,000

PROJECT: ENGLEWOOD OSP				
BASIN: NORTH ENGLEWOOD				
SEGMENT: N5 - LINCOLN ST TO LOGAN ST				
25-YR DESIGN PRELIMINARY COST ESTIMATE (AVERAGE INSTALLATION)				
ITEM	QUANTITY	UNITS	UNIT COST	TOTAL COST
36-inch RCP	981	LF	\$116	\$113,000
Removal of Pipe (24" dia.)	981	LF	\$21	\$21,000
Removal of Manhole	1	EA	\$931	\$1,000
Removal of Asphalt Mat	545	SY	\$7	\$4,000
Asphalt Patching/Paving	545	SY	\$26	\$14,000
SUBTOTAL FOR BASE CAPITAL IMPROVEMENT COSTS:				\$153,000
MOBILIZATION			10%	15,000
DEWATERING			5%	8,000
TRAFFIC CONTROL			10%	15,000
UTILITY COORDINATION/RELOCATION			10%	15,000
STORMWATER MANAGEMENT/EROSION CONTROL			5%	8,000
SUBTOTAL FOR ADDITIONAL CAPITAL IMPROVEMENT COSTS:				61,000
SUBTOTAL FOR TOTAL CAPITAL IMPROVEMENT COSTS:				214,000
CONTINGENCIES			25%	54,000
ENGINEERING DESIGN SERVICES			15%	32,000
LEGAL AND ADMINISTRATIVE SERVICES			5%	11,000
CONTRACT ADMIN/CONSTRUCTION MANAGEMENT			10%	21,000
SUBTOTAL FOR OTHER COSTS:				\$118,000
TOTAL ESTIMATED CONSTRUCTION COST:				\$332,000

PROJECT: ENGLEWOOD OSP				
BASIN: YALE AVENUE				
SEGMENT: Y1 - SOUTH PLATTE RIVER TO AMHERST AVE				
10-YR DESIGN PRELIMINARY COST ESTIMATE (AVERAGE INSTALLATION)				
ITEM	QUANTITY	UNITS	UNIT COST	TOTAL COST
54-inch RCP	1245	LF	\$231	\$288,000
42-inch RCP	2033	LF	\$135	\$274,000
Removal of Pipe (33" dia.)	3278	LF	\$21	\$70,000
Removal of Manhole	3	EA	\$931	\$3,000
Removal of Asphalt Mat	2324	SY	\$7	\$16,000
Asphalt Patching/Paving	2324	SY	\$26	\$60,000
Manhole, 5' Dia (Pipe Dia 36-42", Depth > 15')	4	EA	\$4,173	\$17,000
Manhole, Type B (Pipe Dia. > 48")	2	EA	\$12,840	\$26,000
SUBTOTAL FOR BASE CAPITAL IMPROVEMENT COSTS:				\$754,000
MOBILIZATION			10%	\$75,000
DEWATERING			5%	\$38,000
TRAFFIC CONTROL			10%	\$75,000
UTILITY COORDINATION/RELOCATION			10%	\$75,000
STORMWATER MANAGEMENT/EROSION CONTROL			5%	\$38,000
SUBTOTAL FOR ADDITIONAL CAPITAL IMPROVEMENT COSTS:				\$301,000
SUBTOTAL FOR TOTAL CAPITAL IMPROVEMENT COSTS:				\$1,055,000
CONTINGENCIES			25%	\$264,000
ENGINEERING DESIGN SERVICES			15%	\$158,000
LEGAL AND ADMINISTRATIVE SERVICES			5%	\$53,000
CONTRACT ADMIN/CONSTRUCTION MANAGEMENT			10%	\$106,000
SUBTOTAL FOR OTHER COSTS:				\$581,000
TOTAL ESTIMATED CONSTRUCTION COST:				\$1,636,000

PROJECT: ENGLEWOOD OSP				
BASIN: YALE AVENUE				
SEGMENT: Y1 - SOUTH PLATTE RIVER TO AMHERST AVE				
25-YR DESIGN PRELIMINARY COST ESTIMATE (AVERAGE INSTALLATION)				
ITEM	QUANTITY	UNITS	UNIT COST	TOTAL COST
66-inch RCP	1245	LF	\$282	\$352,000
54-inch RCP	1387	LF	\$231	\$321,000
48-inch RCP	646	LF	\$154	\$100,000
36-inch RCP	650	LF	\$116	\$75,000
Removal of Pipe (33" dia.)	3278	LF	\$21	\$70,000
Removal of Pipe (30" dia.)	650	LF	\$21	\$14,000
Removal of Manhole	4	EA	\$931	\$4,000
Removal of Asphalt Mat	2977	SY	\$7	\$21,000
Asphalt Patching/Paving	2977	SY	\$26	\$77,000
Manhole, 6' Dia (Pipe Dia, Depth > 15')	1	EA	\$4,601	\$5,000
Manhole, Type B (Pipe Dia. > 48")	5	EA	\$12,840	\$64,000
SUBTOTAL FOR BASE CAPITAL IMPROVEMENT COSTS:				\$1,103,000
MOBILIZATION			10%	110,000
DEWATERING			5%	55,000
TRAFFIC CONTROL			10%	110,000
UTILITY COORDINATION/RELOCATION			10%	110,000
STORMWATER MANAGEMENT/EROSION CONTROL			5%	55,000
SUBTOTAL FOR ADDITIONAL CAPITAL IMPROVEMENT COSTS:				440,000
SUBTOTAL FOR TOTAL CAPITAL IMPROVEMENT COSTS:				1,543,000
CONTINGENCIES			25%	386,000
ENGINEERING DESIGN SERVICES			15%	231,000
LEGAL AND ADMINISTRATIVE SERVICES			5%	77,000
CONTRACT ADMIN/CONSTRUCTION MANAGEMENT			10%	154,000
SUBTOTAL FOR OTHER COSTS:				\$848,000
TOTAL ESTIMATED CONSTRUCTION COST:				\$2,391,000