
A RESOLUTION AUTHORIZING THE CITY MANAGER TO NEGOTIATE AND ENTER INTO A GUARANTEED MAXIMUM PRICE CONTRACT AMENDMENT FOR THE CONSTRUCTION OF THE SECONDARY CLARIFIER AND REMAINING URGENT REPAIRS AT THE WASTEWATER TREATMENT PLANT WITH MORTENSON CONSTRUCTION INC., IN THE AMOUNT OF \$4,325,521.00

RECITALS:

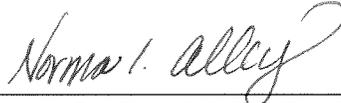
1. In December 7, 2009, City Council approved Resolution No. 2009-2876 authorizing the city manager to enter into a contract with Mortenson Construction, Inc. (Mortenson) to provide preconstruction services for the Wastewater Treatment Plant (WWTP) Repair, Renovation and Expansion Project.
2. On April 4, 2011, City Council approved Resolution No. 2011-2941 issuing a task order to HDR Engineering (HDR) to provide design services for a fourth secondary clarifier and urgent repairs at the WWTP. On August 15, 2011, City Council approved Resolution No. 2011-2966 authorizing the city manager to enter into contract with Mortenson to complete the first construction phase associated with these design services. That portion of the urgent repair construction was completed in March, 2012. The construction of a new secondary clarifier and completion of these remaining identified repairs are all necessary to adequately operate the WWTP to meet current and future needs.
3. The City of Newberg and its Construction Manager/General Contractor (CM/GC), Mortenson Construction, have solicited a sub-contract package for the construction of the WWTP Secondary Clarifier and Urgent Repairs Project and negotiated the CM/GC self-performance portion of the work.
4. City staff and design consultant HDR have monitored the procurement/bidding process that Mortenson used to competitively bid the sub-contract work necessary to complete the project. Additionally, the City and HDR have closely reviewed the self-performance portion of the work that Mortenson is planning to execute.
5. The total construction contract value for the CM/GC Guaranteed Maximum Price Contract Amendment is \$4,325,521.00 as detailed in Exhibit "A", which is hereby attached and by this reference incorporated.

THE CITY OF NEWBERG RESOLVES AS FOLLOWS:

The City Council, acting as Contract Review Board for the City, does hereby authorize the city manager to negotiate and award a CM/GC Guaranteed Maximum Price Contract Amendment to Mortenson Construction, Inc. for the WWTP Secondary Clarifier and Urgent Repairs Project for \$4,325,521.00 as outlined in the attached Exhibit "A", which is hereby attached and by this reference adopted.

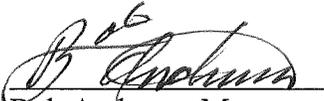
- **EFFECTIVE DATE** of this resolution is the day after the adoption date, which is: June 5, 2012.

ADOPTED by the City Council of the City of Newberg, Oregon, this 4th day of June 2012.



Norma I. Alley, MMC, City Recorder

ATTEST by the Mayor this 7th day of June 2012.



Bob Andrews, Mayor

Exhibit "A"
To Resolution No. 2012-3006

Task Order #4 - Secondary Clarifier & Urgent Repairs
City of Newberg WWTP Repair Restoration and Expansion Project



GMP Estimate Summary

Estimate Date: 05/16/2012

<i>Bid Packages</i>	TOTAL PROJECT
101 Earthwork (Emery & Sons)	\$ 1,023,486
103 Electrical (GPEC)	\$ 140,950
105 Mechanical (McClure & Sons)	\$ 907,775
106 Self-Perform Work (Mortenson)	\$ 988,561
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Subtotal Direct Construction Cost	\$ 3,060,772
CM/GC Contingency 3.50%	\$ 107,127
Subtotal	\$ 3,167,899
Builders Risk Insurance 0.50%	\$ 20,998
CM/GC General Conditions (Lump Sum)	\$ 814,950
Subtotal	\$ 4,003,847
CM/GC Construction Fee (incl Insurance and P/P Bond) 4.90%	\$ 196,188
Cost Management Log Adjustments	\$ (500)
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Total Guaranteed Construction Cost (GCC)	\$ 4,199,535
Owner's Project Contingency 3.00%	\$ 125,986
Total (w/owner's contingency)	\$ 4,325,521

Cost Management Log

Status Date: 16-MAY-2012

Task Order #4 - Secondary Clarifier & Urgent Repairs

City of Newberg WWTP Repair, Restoration and Expansion Project

Newberg, OR

GMP Estimate

O = Open
C = Closed/Rejected
A = Accepted
I = Incorporated

Latest Milestone Estimate \$4,326,039 (Includes Owner Contingency)

Accepted Cost Revisions (\$500)

Current Cost Status with Accepted Revisions \$4,325,539

Max Potential Cost Reductions (\$99,800)

Target Budget per 30% CML \$4,747,566

Current Difference to 30% Budget \$422,017 (under budget)



Organizational Item #	Date of Status Change	Description	Issue Date	Action Req'd Who	Date Due	Direct Cost	Proj Cost w/ Mark-up	Action Status			Comments or Remarks
								Accept	Reject	Further Review	
1.0	C 4-May-12	Revise 6" CIP reinforced concrete topping slab to a 2" unreinforced groud topping slab.	2-May-12			\$ (19,300)	\$ (22,100)	X			05/04 - Does not include design costs.
2.0	O 4-May-12	Eliminate beams at walkway slab. Add second layer of reinforcing.	2-May-12	Newberg - Jason	18-Jun-12	\$ (5,700)	\$ (6,500)		X		05/04 - Does not include design costs.
3.0	C 4-May-12	ADD rub finish described in specifications. Note: GMP estimate is based off of a "as-cast" finish (patch the holes, grind fins > 1/4).	2-May-12			\$ 14,100	\$ 16,200			X	05/04 - Does not include design costs.
4.0	C 16-May-12	ADD: Use she-bolts for formwork in lieu of taper ties. Note: GMP estimate is based off of taper ties for constructability.	2-May-12			\$ 23,800	\$ 27,300	X			5/16/12 - Engineer recommended for best value.
5.0	C 16-May-12	Use alternate manufacturer "Westech" for clarifier mechanism.	2-May-12			\$ (49,815)	\$ (57,100)			X	5/16/12 - After analysis by HDR and Newberg, recommend best value for the City is to utilize Imoco clarifier
6.1	C 16-May-12	Eliminate \$25,000 crack repair allowance from base estimate (see alternatives below).	2-May-12			\$ (25,000)	\$ (28,700)		X		
6.2	C 16-May-12	Add conveyance for leak testing. Includes labor and equipment for two conveyances (fill & drain). Fill water to be provided by Newberg. Discharge will be via plant drain system. Does not include provisions for crack repair (see below).	2-May-12			\$ 12,700	\$ 14,600			X	
6.3	C 16-May-12	Add allowance for crack repair (an anticipated structural crack repair quantity was not available at the time of this GMP). Allowance reflects average crack repair costs Mortenson has encountered on similar structures (3 crew days, material, & equipment).	2-May-12			\$ 6,500	\$ 7,500		X		

Cost Management Log
Status Date: 16-MAY-2012

Task Order #4 - Secondary Clarifier & Urgent Repairs
City of Newberg WWTP Repair, Restoration and Expansion Project
Newberg, OR

GMP Estimate

O = Open
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Latest Milestone Estimate: \$4,326,039 (Includes Owner Contingency)

Accepted Cost Revisions: (\$500)

Current Cost Status with Accepted Revisions: \$4,325,539

Max Potential Cost Reductions: (\$99,800)

Target Budget per 30% CML: \$4,747,566

Current Difference to 30% Budget: \$422,017 (under budget)



Organizational Item #	Date of Status Change	Description	Issue Date	Action Req'd Who	Action Req'd Date	Direct Cost (under budget)	Proj Cost w/ Mark-up	Action Status			Comments or Remarks	
								Accept	Reject	Further Review		
6.4	C 16-May-12	Reduce \$25,000 hydrostatic water test and crack repair allowance to \$20,000.	16-May-12			\$ (5,000)	\$ (5,700)				X	

ACCEPTED REVISIONS	\$ (5,000)
REJECTED REVISIONS	(\$47,500)
REVISIONS FOR FURTHER REVIEW	(\$6,500)
REVISIONS ACCEPTABLE BUT REQUIRING FURTHER REVIEW	
BID PROTECTION MEASURES	\$0
MAXIMUM POTENTIAL COST REDUCTIONS	(\$99,800)

Notes: The items listed above have been provided to generate conversation and possible solutions for achieving the owner's desired project scope and budget, and should not be interpreted as engineered solutions. By acceptance of any item and prior to incorporating into the design, the Architect/ Engineer of Record shall be solely responsible for verification of all design compatibility within the project including but not limited to life safety, code requirements, thermal and moisture protection, building functionality, and program requirements.

Exhibit "A"
To Resolution No. 2012-3006



CITY OF NEWBERG WWTP RESTORATION & EXPANSION PROJECT
TO #04: SECONDARY CLARIFIER & URGENT REPAIRS

May 11, 2012

GMP ESTIMATE

12 05E 016 NEWBERG TO4 GMF
ESTIMATE R1.est
Project Qty:0

DESCRIPTION	QUANTITY	UNIT \$	TOTAL \$'s
BP 101 - EARTHWORK			
00 00 10 - BID PACKAGES PENDING AWARD			
10.101 BID PACKAGE 101 EARTHWORK - APPARANT LOW BIDDER: EMERY & SONS	1.0	LS	1,023,486
TOTAL 00 00 10 - BID PACKAGES PENDING AWARD			1,023,486
31 10 00 - SITE CLEARING			
2200.100 DEMO CHAINLINK FENCING / GATES		BP101	
2200.110 SAWCUT ASPHALT		BP101	
2200.115 SAWCUT CONCRETE SIDEWALK		BP101	
2200.120 DEMO ASPHALT		BP101	
2200.250 DEMO CONCRETE PAD		BP101	
2200.250 DEMO CONCRETE SITEWALK		BP101	
2200.255 DEMO CURB		BP101	
2200.300 REMOVE TREES		BP101	
2200.415 DEMO MISC SITE SIGNS		BP101	
2200.500 PROTECT EXT WATER VALVE		BP101	
2200.510 DEMO MISC SITE ELECTRICAL		BP101	
2200.520 RELOCATE EXISTING FUEL TANK - BY OWNER		BP101	
TOTAL 31 10 00 - SITE CLEARING			
31 10 00 - SITE CLEARING			
2220.100 CLEAR & GRUB		BP101	
2220.200 STRIP/HAULOFF TOPSOIL		BP101	
TOTAL 31 10 00 - SITE CLEARING			
31 23 00 - EARTHWORK			
31000.118 MASS EXCAVATION		BP101	
31001.322 IMPORT / PLACE BACKFILL		BP101	
31001.330 GEOTEXTILE FABRIC		BP101	
31001.505 TRAFFIC CONTROL - EARTHWORK		BP101	
31001.605 STREET CLEANING - FULL JOB		BP101	
31220.148 FINAL GRADING		BP101	
32110.175 CRUSHED ROCK BASE		BP101	
TOTAL 31 23 00 - EARTHWORK			
31 25 00 - SOIL EROSION & SEDIMENT CONTROL			
31250.100 TEMP EROSION AND SEDIMENT CONTROL		BP101	
31250.160 DEWATERING		BP101	
31250.170 ENGINEERING - EXCAVATION		BP101	
31250.210 TESC - MAINTENANCE		BP101	
31250.220 TESC - REMOVAL		BP101	
TOTAL 31 25 00 - SOIL EROSION & SEDIMENT CONTROL			
31 41 00 - SHORING			
31410.103 SHEET PILE SHORING - (NOT RE'Q'D)		BP101	
TOTAL 31 41 00 - SHORING			
31 63 16 - CAST-IN-PLACE PIING: AUGER CAST			
99999.131 AUGER CAST PILES		BP101	
99999.134 AUGER CAST PILES - REINFORCING		BP101	

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TO #04: SECONDARY CLARIFIER & URGENT REPAIRS

May 11, 2012

GMP ESTIMATE

12 05E 016 NEWBERG TO4 GMF
ESTIMATE R1.est
Project Qty:0

DESCRIPTION	QUANTITY	UNIT	\$	TOTAL
				\$'s
BP 101 - EARTHWORK				
TOTAL 31 63 16 - CAST-IN-PLACE PING: A UGER CAST				
32 11 00 - BASE COURSES				
32110.155	GRAVEL PAD - STAGING AREA (REDRESS EXISTING)	BP101		
32110.160	GRAVEL PAD - CRANE PAD	BP101		
TOTAL 32 11 00 - BASE COURSES				
32 12 16 - ASPHALTIC CONCRETE VEHICULAR PAVING				
32120.100	ATB - TEMP ROAD	BP101		
32120.110	ASPHALT PAVING	BP101		
99998.110	CHIP SEAL	BP101		
TOTAL 32 12 16 - ASPHALTIC CONCRETE VEHICULAR PAVING				
32 13 13 - CONCRETE PAVEMENT, CURB, SIDEWALK, AND STEPS				
3300.100	CONC SIDEWALK	BP101		
3300.105	CONC PAVEMENT PATCH BACK	BP101		
32130.110	REPLACE CURB - STAGING AREA/PUMP AREA/TEMP ROAD	BP101		
32130.115	REPLACE CURB - ALONG STREET	BP101		
TOTAL 32 13 13 - CONCRETE PAVEMENT, CURB, SIDEWALK, AND STEPS				
32 17 00 - PAVING SPECIALTIES				
32170.100	PAVEMENT MARKINGS	BP101		
TOTAL 32 17 00 - PAVING SPECIALTIES				
32 31 13 - CHAIN LINK FENCE AND GATES				
32310.100	REALIGN PERIMETER FENCE	BP101		
99998.160	AUTOMATIC CLOSERS @ FRONT/REAR GATES	BP101		
TOTAL 32 31 13 - CHAIN LINK FENCE AND GATES				
32 90 00 - SEEDING, SODDING AND LANDSCAPING				
32801.230	IRRIGATION	BP101		
32801.260	IRRIGATION - METER (USE EXISTING)	BP101		
32901.150	HYDROSEED	BP101		
32901.170	LANDSCAPE PATCH BACK	BP101		
TOTAL 32 90 00 - SEEDING, SODDING AND LANDSCAPING				
32 91 05 - TOPSOILING AND FINISHED GRADING				
32901.140	IMPORT / PLACE TOPSOIL	BP101		
TOTAL 32 91 05 - TOPSOILING AND FINISHED GRADING				
TOTAL BP 101 - EARTHWORK				1,023,486
BP 103 - ELECTRICAL				
00 00 10 - BID PACKAGES PENDING AWARD				
10.103	BID PACKAGE 103 ELECTRICAL - APPARANT LOW BIDDER: GPEC	1.0	LS	140,950
TOTAL 00 00 10 - BID PACKAGES PENDING AWARD				140,950
26 00 00 - ELECTRICAL				

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ESTIMATE R1.est
Project Qty:0

DESCRIPTION	QUANTITY	UNIT \$	TOTAL \$'s
BP 103 - ELECTRICAL			
16000.000 ***ELECTRICAL***		BP103	
16100.005 DISTR / CONDUIT / FEEDERS		BP103	
16100.010 TRENCH EXCAVATION AND BACKFILL		BP103	
16200.005 PWR TO CLARIFIER SLUDGE COLLECTOR		BP103	
16200.010 LIGHT POLE AT CLARIFIER		BP103	
16200.015 NEW MCC BUCKET FOR CLARIFIER		BP103	
16200.020 DIST/ COND/ FEEDERS FROM PUMP STATION TO MCC		BP103	
16200.025 SUPPLY / INST PUMP VFD 40 HP		BP103	
16200.030 DIST / COND / FEEDERS TO NEW PUMP		BP103	
16200.035 TIE INTO EXISTING PWR		BP103	
17000.100 I & C SUPPLY AND INSTALL		BP103	
17000.105 FLOW METER		BP103	
17000.109 TEMP POWER & COMM AT TRAILERS		BP103	
17000.109 TEMP POWER INSTALL/MAINTAIN/REMOVE		BP103	
99998.170 REPAIR SITE LIGHTING AROUND OXIDATION DITCHES/EQ BASIN (NOT REQ'D)		BP103	
99999.120 ACCESS CONTROL SYSTEM AT SITE GATES		BP103	
99999.124 COMPOST SHED FIRE RISER BUILDING		BP103	
99999.150 REPLACE 1VFD AT PUMP STATION		BP103	
TOTAL 26 00 00 - ELECTRICAL			
TOTAL BP 103 - ELECTRICAL			140,950
BP 105 - MECHANICAL			
00 00 10 - BID PACKAGES PENDING AWARD			
10.105 BID PACKAGE 105 MECHANICAL - APPARANT LOW BIDDER: McCLURE & SONS	1.0	LS	907,775
TOTAL 00 00 10 - BID PACKAGES PENDING AWARD			907,775
05 52 05 - STEEL RAILINGS			
5520.431 GUARDRAIL - BRIDGE		BP105	
TOTAL 05 52 05 - STEEL RAILINGS			
09 91 00 - PAINTING AND PROTECTIVE COATINGS			
9903.200 **MECHANISM METAL - SYSTEM #2 ZINC-RICH URETHANE PRIMER/POLYURETHANE FINISH COAT**		BP105	
9903.210 SYSTEM #2 COATING - LAUNDER SUPPORT (18EAX30LF) (W/MECH)		BP105	
9903.220 SYSTEM #2 COATING - LAUNDER/WEIR/BAFFLE (2/S-06) (W/MECH)		BP105	
9903.230 SYSTEM #2 COATING - BRIDGE (W/MECH)		BP105	
TOTAL 09 91 00 - PAINTING AND PROTECTIVE COATINGS			
21 00 00 - FIRE SUPPRESSION			
99998.150 FIRE SUPPRESSION SYSTEM @ COMPOST CURE BUILDING		BP105	
TOTAL 21 00 00 - FIRE SUPPRESSION			
40 00 00 - PROCESS INTEGRATION			

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TO #04: SECONDARY CLARIFIER & URGENT REPAIRS

May 11, 2012

GMP ESTIMATE

12 05E 016 NEWBERG TO4 GMF
ESTIMATE R1.est
Project Qty:0

DESCRIPTION	QUANTITY	UNIT	\$	TOTAL
				\$'s
BP 105 - MECHANICAL				
15000.000	***INTERIOR MECHANICAL***			
15100.100	REMOVE 6" WAS PIPE			
15100.105	DEMO 6" PLUG VLV			
15100.110	REMOVE BLIND FLANGE			
15100.115	DEMO 12 X 8 DIP TEE			
15100.120	MODIFY PIPE SUPPORT			
15200.005	14" - 8" RAS PIPE INTERIOR			
15200.010	ISOLATE EX. RAS PIPING FOR TIE-INS			
15300.005	***YARD PIPE***			
15300.100	42" ML PIPING			
15300.103	ISOLATE CHAMBER 6 FOR CL#4 ML TIE IN			
15300.110	30" SE PIPE			
15300.115	ISOLATE CHAMBER 10 FOR CL#4 SE TIE IN			
15300.120	14" RAS PIPE			
15300.125	ISOLATE RAS /WAS FOR CL#4 TIE IN			
15300.130	6" WAS PIPE			
15300.140	6" SSC PIPE			
15300.145	ISOLATE SCUM PIT FOR CL#4 SCC TIE IN			
15300.150	2" WRS PIPE			
15300.160	6" PRESSURE RELIEF VALVES			
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TOTAL 40 00 00 - PROCESS INTEGRATION				
43 00 00 - PROCESS GAS & LIQUID HANDLING, PURIFICATION & STORAGE EQUIPMENT				
11061.100	PUMP (P5-14) CENTRIFUGAL 40 HP 8"			
99998.130	REPLACE SLUDGE TRANSFER PUMP #2			
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TOTAL 43 00 00 - PROCESS GAS & LIQUID HANDLING, PURIFICATION & STORAGE EQUIPMENT				
46 00 00 - WATER AND WASTEWATER EQUIPMENT				
11125.100	CLARIFIER MECHANISM 80' SUPPLY AND INSTALL			
99998.120	REPLACE MOTORS & DRIVES AT 3 EXISTING CLARIFIERS			
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TOTAL 46 00 00 - WATER AND WASTEWATER EQUIPMENT				
TOTAL BP 105 - MECHANICAL				907,775
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STRUCTURES PACKAGE				
01 00 10 SITE SERVICES				
1000.010	FINAL CLEAN (LABOR/EQUIP)	40.0	HRS	62.82
1000.010	PEST CONTROL	1.0	LS	3,240.00
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TOTAL 01 00 10 SITE SERVICES				5,753
02 21 00 - SURVEYS				
2210.160	REGISTERED SURVEY - LINE & GRID	24.0	HR	151.20
2210.165	REGISTERED SURVEY - CONCRETE WORK	24.0	HR	151.20
2210.170	REGISTERED SURVEY - SITE IMPROVEMENT	8.0	HR	151.20
2210.175	REGISTERED SURVEY - YARD PIPE	16.0	HR	151.20
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**CITY OF NEWBERG WWTP RESTORATION & EXPANSION PROJECT
TO #04: SECONDARY CLARIFIER & URGENT REPAIRS**

May 11, 2012

GMP ESTIMATE

12 05E 016 NEWBERG TO4 GMF
ESTIMATE R1.est
Project Qty:0

DESCRIPTION	QUANTITY	UNIT	\$	TOTAL \$'s	
STRUCTURES PACKAGE					
TOTAL 02 21 00 - SURVEYS				10,886	
03 05 05 - TESTING					
3660.130	CRACK REPAIR/LEAK TESTING W/ PLANT WATER - ALLOW	1.0	ALLW	25,000.00	25,000
TOTAL 03 05 05 - TESTING				25,000	
03 11 13 - FORMWORK					
3300.118	HORIZONTAL FORMWORK - WALKWAY SLAB	426.0	SF	58.12	24,759
TOTAL 03 11 13 - FORMWORK				24,759	
03 21 00 - REINFORCEMENT					
3200.133	REBAR	154.0	TON	1,733.40	268,944
3201.133	DOWEL BAR SUBS - THREAD MALE END (FEMALE END W/ CONC UP\$)	220.0	EA	12.08	2,658
3201.533	REBAR - CHAIR SPPPTS (INCL W/ ABOVE)		FYI		
TOTAL 03 21 00 - REINFORCEMENT				269,601	
03 30 00 - CAST-IN-PLACE CONCRETE					
3300.118	CIP CONC - PIPE ENCASEMENT - 6" WAS	3.1	CY	693.99	2,151
3300.120	CIP CONC - PIPE ENCASEMENT - 14" RAS	7.6	CY	549.09	4,173
3300.122	CIP CONC - PIPE ENCASEMENT - 42" ML	17.1	CY	453.79	7,760
3300.130	CIP CONC - MAT FNDN	466.1	CY	226.52	105,581
3300.220	CIP CONC - PIT WALL: CENTER PIN	118.0	VSF	121.02	14,281
3300.270	CIP CONC - MISC WALLS: CLARIFIER	4,328.0	VSF	29.28	126,742
3300.510	CIP CONC - MISC STRUCT SLAB: ELEVATED WALKWAY	426.0	SF	15.63	6,657
3300.600	CIP CONC - SLAB ON GRADE: SHED	64.0	SF	28.62	1,832
3300.610	CIP CONC - SLAB ON GRADE: THICKEN APPROACH SLABS	36.0	SF	28.32	1,020
3300.620	CIP CONC - PIT SLAB: CENTER PIN BASE	189.0	SF	24.76	4,680
3300.760	CIP CONC - TOPPING SLAB: CLARIFIER FLOOR	5,019.0	SF	7.05	35,398
3300.790	CIP CONC - EQUIPMENT PADS	20.0	SF	107.30	2,146
3307.133	MISC CONC ITEMS (ENVIRONMENTAL CHARGE, ADMIXTURES, ECO PANS, ETC.)	553.0	CY	9.04	4,997
3307.233	MISC CONC ITEMS (ENVIRONMENTAL CHARGE, ADMIXTURES, ECO PANS, ETC.)	278.0	CY	9.04	2,512
3308.133	CONC EQUIP / CONSUMABLES	1.0	LS	174,322	174,322
3308.233	CONC EQUIP / CONSUMABLES	1.0	LS	70,718.40	70,718
TOTAL 03 30 00 - CAST-IN-PLACE CONCRETE				564,970	
31 31 32 - CONCRETE FINISHING AND REPAIR OF SURFACE DEFECTS					
33132.233	PATCH/REPAIR OF RAIN OUT SLABS (ASSM NOT REQ'D - LIMITED TO TOPPING SLAB AND WALKWAY SLAB)		FYI		
TOTAL 31 31 32 - CONCRETE FINISHING AND REPAIR OF SURFACE DEFECTS					
05 12 00 - STRUCTURAL STEEL					
99998.100	ENGINEERING - IPS BEAM RELO	1.0	LS	1,620.00	1,620
99998.100	REPLACE EXISTING IPS MONORAIL BEAM	1.0	LS	10,800.00	10,800

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TO #04: SECONDARY CLARIFIER & URGENT REPAIRS

May 11, 2012

GMP ESTIMATE

12 05E 016 NEWBERG TO4 GMF
 ESTIMATE R1.est
 Project Qty:0

DESCRIPTION	QUANTITY	UNIT	\$	TOTAL \$'s	
STRUCTURES PACKAGE					
TOTAL 05 12 00 - STRUCTURAL STEEL				12,420	
05 52 05 - STEEL RAILINGS					
5520.431	RAD GALV STL GUARDRAIL - EDGE OF CLARIFIER	265.0	LF	255.96	67,829
5520.441	ENGINEERING - GUARDRAIL	1.0	LS	2,700.00	2,700
TOTAL 05 52 05 - STEEL RAILINGS				70,529	
09 91 00 - PAINTING AND PROTECTIVE COATINGS					
9903.100	SEAL CONCRETE- CLARIFIER FLOOR (HPIC SYS#13) (NOT REQ'D)		FYI		
TOTAL 09 91 00 - PAINTING AND PROTECTIVE COATINGS					
10 14 00 - IDENTIFICATION DEVICES					
10140.100	SITE SIGNS - MISC	10.0	EA	464.20	4,642
TOTAL 10 14 00 - IDENTIFICATION DEVICES				4,642	
TOTAL STRUCTURES PACKAGE				988,561	
ESTIMATE TOTALS				3,060,772	

**Newberg Waste Water Treatment Plant
Repair, Renovation, & Expansion Project:
Task Order #4 - Secondary Clarifier & Urgent Repairs**



Scope of Work Clarifications

DOCUMENTS USED IN THE GMP DESIGN ESTIMATE

- ◆ WWTP Repair, Restoration and Expansion Project – Task Order 4 - Secondary Clarifier Design Drawings, HDR Engineering, Inc., February 21, 2012
 - Volume 1: Specifications
 - Volume 2: Drawings (see attached drawing index)
- ◆ Mortenson Site Logistics Plan dated August 31, 2011
- ◆ Mortenson CPM Schedule dated March 29, 2012
- ◆ Addendums 01 and 02, issued by Mortenson construction and containing Addendums 01 and 02 from HDR.
- ◆ Geotechnical Engineering Report from Shannon & Wilson dated February 2012.

COST ESCALATION

- ◆ Cost Escalation is not included. This proposal is based on an GMP award date of no later than June 18, 2012, at which point this proposal expires.

CONTINGENCIES

- ◆ The estimate City of Newberg controlled contingency as "Owner Contingencies" to fund owner or designer initiated scope changes and/or unforeseen conditions.
- ◆ A CM/GC Contingency has been included to cover costs that could occur in the course of executing the work for which the CM/GC would be responsible. Appropriate uses of/for contingency have been defined in the Agreement.

SCHEDULE

We have anticipated the following schedule:

- ◆ Final GMP established and Notice to Proceed by June 18, 2012. Anticipated Substantial Completion (including 30-days of continuous operation per the Agreement) is June 21, 2013
- ◆ A minimum of 3 clarifiers shall be operational during the wet season. The wet season is between October 15, 2012 through April 15, 2013. During the dry season (April 16 - October 14), a minimum of two clarifiers must be operational at all times. No other scheduling or sequencing constraints are anticipated or included.
- ◆ The ability of the water holding structures to meet the leak testing requirements includes many factors, including design and construction. These structures will be constructed to the standards of the design and inspected by the owner (or its representative) for compliance of these standards.

**Newberg Waste Water Treatment Plant
Repair, Renovation, & Expansion Project:
Task Order #4 - Secondary Clarifier & Urgent Repairs**



Scope of Work Clarifications

GENERAL INFORMATION

This Estimate Includes:

1. CM/GC Fee, Contractor's General Liability Insurance, and Payment and Performance Bonds per the bid rates.
2. Builders Risk Insurance.
3. Coordination with Owner provided special testing and inspection agencies.
4. Lump Sum proposals for CM/GC General Conditions and Self-Performed Work Package.
5. The use of taper ties or through tie-hole for our forming system of the clarifier walls. Contractor will patch the holes with x-plug waterstop and grout. *City of Newberg can select use of she bolts with integral water-stop (to meet specifications) as an alternate at time of GMP award (see the Cost Management Log for pricing).*
6. Through wall penetrations will be either sleeved or flanged connection as to not penetrate our wall forms during concrete construction.
7. Casual (surface) dewatering is included. Well-point dewatering is not anticipated and is excluded.
8. GMP includes use of EIMCO Clarifier mechanism. *An costs savings alternate is provided in the Cost Management Log to use the WesTech clarifier mechanism, which is also a specified manufacturer. The City can make a best value decision based on expected operations and maintenance costs versus initial cost.*

This Estimate Excludes:

1. All engineering and design costs for architectural, structural, landscape and specialty consultants, including construction administration. Fire suppression design is included.
2. Geotechnical studies, hazardous material surveys, and other exploratory costs.
3. As-Built surveys of the completed work.
4. Independent testing and inspection services.
5. SAC (sewer access charges) and WAC (water access charges), and costs, Right of Way improvement and/or bond costs, and other development permit and use fees.
6. Construction water installation and consumption is excluded. It is assumed site hose-bibs (W1 and W3 water) can be utilized by the contractor at no cost.
7. No power utility connection, meter charges, and consumption charges, are assumed required for construction. Temporary power measures are assumed to be fed from existing plant electrical sources. This is varies from and supersedes the Agreement.
8. Construction web-cams and associated website and maintenance.
9. Hazardous or contaminated soil and/or material. Based on current information provided, it is not anticipated to be encountered, but if encountered this would be the responsibility of the City of Newberg. Mortenson would like to work with the City and HDR to review all of the information on this subject, identify possible risks and have a plan in place to minimize impacts to the project should these materials be encountered.
10. Soil retention systems (shoring).

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Scope of Work Clarifications

11. Archeological services and removal of artifacts.
12. Final programming and testing of SCADA systems.
13. Operation of the WWTP. Any reference in the Documents referring to Mortenson or any contractor operations of the water treatment facilities is excluded. Plant staff shall be solely responsible for plant operations and permit compliance. Mortenson shall support and coordinate with the plant staff for any activities that may impact plant operations.
14. Modifying, repairing and/or replacing site lighting at the oxidation ditches and existing clarifiers.
15. Painting the new secondary clarifier walls and/or floor.
16. DEQ CWSRF requirements and/or federal funding beyond what is currently included in the Agreement.
17. Draining and cleaning of the clarifiers to replace the clarifier drives. Plant operations staff shall drain and clean.
18. Sack and patch finish or rub finish of clarifier walls.
19. References in the DEQ CM/GC Alternative Contracting Supplement in regards to design team items noted to be performed by the CM/GC. Specifically excluded is submission of plans and specs, development and submission of a plan of operations, facility performance evaluations, and facility O&M Manual.

Allowances Included in the Estimate: (direct costs only):

The following allowances are contained within the GMP estimate:

1. Water Leakage and Crack Repair: A \$25,000 allowance is included for testing and repair of leakage in the concrete clarifier structure. This allowance is intended to provide funding for water conveyance and crack repair. This allowance is not great enough to cover the exact requirements of ACI 350.12.3.2.1 as noted in Section 01 78 43, but instead provides a budget for mutually agreeable testing and repair that provides best value to the City of Newberg. Testing and repair requirements to be determined at a later time. *As requested, Mortenson has also provided alternates that can be selected at the time of GMP award to 1) add water conveyance and leakage testing into our contract as a lump sum in lieu of an allowance and 2) provided an a recommended allowance amount for crack repair based on historical costs.*

GENERAL CLARIFICATIONS FOR THE PROJECT:

2. The current schedule does not include early procurement packages.
3. The existing asphalt road in the earthwork disturbed area will be demolished during mass excavation and replaced upon completion of backfill at the clarifier.
4. Per conversations with the City of Newberg, all ground disturbed in the immediate construction zone will receive hydro-seeding after structure construction. No additional landscaping, trees, shrubs or plantings are included. Including the area South of Clarifier where there are currently plants and shrubs.
5. Plan C-02 shows a fire riser next to plant road. The fire riser will be removed during excavation and be off-line for a period of time until it can be reinstalled after completion of backfill at the clarifier.
6. Contractor will provide ATB access road and 6" gravel pad staging area during construction, and access road and staging area will remain at the end of construction to support future phases of work. No costs for removal are included.

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Scope of Work Clarifications

7. The estimate assumes steel, 4-line handrail for the perimeter clarifier handrail. Design drawings show both 2- and 4- line rail. Rails have a galvanized steel finish. No costs for coating the handrails have been included.
8. Reference Specification 01 75 00-3.2B: Reclaimed plant water will be used for equipment start up in lieu of specified clean water. Testing water will be disposed in the plant drainage system.
9. The current schedule and estimate includes placing the clarifier walls in eight equal sections. The wall length to be placed would be up to 32' in length. Walls are anticipated to be placed full height (approximately 17').
10. Two bids were received on Bid Package 101 - Earthwork. Contract terms state that special permission must be granted by the City prior to award if less than three bids are received. By agreeing to the GMP proposal, the City acknowledges and accepts this.
11. Concrete finish included in this proposal are as proposed by Mortenson in the Bidder Questions Log included in Addendums 01 and 02. *The Cost Management Log provides pricing for increasing the level of concrete finish to the specifications if desired by the City of Newberg.*

(End of Clarifications)