



**Attachment 1**  
**Amendment #12** **Contract 4600000998**  
**MW Consulting Engineers**

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401 N Dixon St  
Portland, OR 97227-1865

17 March 2005

Project: MCDC  
Re: Additional Services Fee Proposal 3/05

Contract Number 4600000998

Copy To:

Dear Glenn

MW Consulting Engineers is pleased to submit this Additional Services Proposal to provide the additional scope of work noted below. We understand that each of the following scope items has been completely discussed with the project principals and that everyone agrees that this added work is necessary. In addition, we have created this proposal in an attempt to respond as accurately as possible to the items discussed during our teleconference last week.

Please review the following proposal and address any questions or comments to me directly at your convenience.

Scope of Work

- A. This scope item covers redesign of the physical control workstations such that they are compatible with the new touch panels and other equipment now anticipated instead of the hard panels with buttons, switches, lights, etc. This change was agreed upon during recent meetings involving the County, the Engineer and the Contractor. This item includes reconfiguration of the cabinetry and casework for these operator stations but not the specific soft screen presentations required for proper system control and operation. It also includes preparation of revised documents for pricing and installation by the contractor. Following is a list of the workstations for which reconfiguration is almost completed as of this writing:

Lower Level 2

1. Intake Control #1 – control panel and case work
2. Intake Control #2 – panel on swing arm
3. Ramp Control Room – control panel and casework

Second Floor

1. Public Desk – control panel
2. Release Desk – control panel on swing arm
3. Master Control – control panels and casework

Third Floor

1. Floor Control – control panels and casework

Fourth Floor

1. Floor Control – control panels and casework
2. Module A & D – control panels and casework
3. Module E & F – wall mounted control panels
4. Medical Area – wall mounted control panel

Fifth Thru Eighth Floors

1. Modules A,B,C & D – control panels and casework
2. Floor control – control panels and casework

Tenth Floor

1. Crow's Nest – control panels and casework
2. Indoor Rec – control panel on swing arm

- B. This scope item covers incorporation of recent Fire Alarm system changes as directed by the Fire Marshal, the County and the City. Before bidding this project, the Fire Alarm documents were reviewed and accepted by the Fire Marshal, the County and the City but since that bid date additional changes have been directed. This item includes our verification of inter-operability and coordination between the Fire Alarm system and the security control system and our review of the revised shop drawings for both systems. Following is a list of the specific changes in the Fire Alarm system since the project was bid:

Lower Level 2

1. Add strobe in police armory
2. Add two smoke detectors in mechanical room
3. Delete one strobe in the police range
4. Relocate strobe in police firing range
5. Add strobe in police storage

Lower Level 1

1. Add two strobes in each of the two rooms at the northwest corner of the floor

First Floor

1. Add speaker and strobe in the first floor discount travel office
2. Add speaker and strobe in the wolf camera office
3. Add speaker and strobe in the supply room
4. Add smoke detector with guard in cell A and B
5. Change background and add two strobes to the detectives office
6. Add strobe to the police storage room
7. Add strobe in the elevator lobby
8. Relocate two strobes in staff entrance hallway

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Second Floor

1. Add speaker and strobe to the retail deli
2. Add strobe in staff entrance hallway
3. Relocate strobe in staff entrance hallway
4. Add fireman phone outlet in the south stair well
5. Add speaker and strobe to main elevator lobby
6. Add manual pull station in position #2 in master control
7. Add manual pull station in the temp master control room

Third Floor

1. Add smoke detector with guard in inmate waiting north
2. Add smoke detector with guard in inmate holding south
3. Add smoke detector with guard in penalty box room
4. Add smoke detector with guard in inmate holding south

Fourth Floor

1. Change the heat detector to a smoke detector in module "A"
2. Change the heat detector to a smoke detector in module "D"
3. Add a manual pull station in floor control room
4. Delete a previously added strobe in the visitation hallway

Fifth Floor

1. Add a manual pull station in the floor control room
2. Delete a previously added strobe in the visitation hallway

Ninth Floor

1. Delete the strobe in the air shaft

Eleventh Floor

1. Add six new strobes in the hallway at the north end of the building
2. Update the floor plan and delete one strobe and relocation three others as a result of floor plan changes

Twelfth Floor (Drawing 1)

1. Add strobe in the hallway at north end of the building
2. Add strobe in hallway by elevators
3. Add strobe in DNA lab
4. Add strobe in hallway outside of DNA lab
5. Add strobe in hallway at the south end of the building
6. Add strobe and speaker in the hallway at the southeast end of the building

Twelfth Floor (Drawing 2)

[Drawing #2 was created and provided to the contractor early in order to permit him to continue efficiently with installation of conduit for this fire alarm system. This drawing recognized several expected changes to the floor plan and the system]

1. Update floor plans
2. Delete strobe in the northeast lab
3. Relocate two strobes in northeast lab
4. Delete strobe in hallway at the north end of the building
5. Relocate three speakers and five strobes at the north end of the building
6. Add two smoke detectors in revised DNA lab
7. Relocate strobe, smoke detector and speaker in hallway that leads to the cooler
8. Relocate smoke detector and strobe in the chemical lab
9. Relocate two strobes in the revised DNA lab
10. Add one and relocate one smoke detector in the hallway at the south end of the building
11. Add smoke detectors with guards in the two new cells at the south end of the building
12. Relocate one speaker and five strobes at the south end of the building

Thirteenth Floor

1. Add one strobe in hallway at the north end of the building
2. Add smoke detectors with guards in the two cells at the north end of the building
3. Relocate two strobes in the main hallway
4. Add smoke detectors with guards in the two cells at the south end of the building
5. Add four new strobes in the interview rooms at the southeast end of the building
6. Add smoke detectors with guards in the cells in the east central part of the building

Fourteenth Floor

1. Relocate strobe in the hallway at the north end of the building
2. Add strobe in the hallway on the east side of the elevators
3. Relocate the strobe on the west side of the elevators
4. Relocate strobe in the hallway on the east side of the elevators
5. Add strobe in the conference room on the east side of the building
6. Relocate strobe in the main hallway at the south end of the building
7. Add smoke detectors with guards in the two cells at the south end of the building

Fifteenth Floor

1. Add strobe in the northeast hallway
2. Relocate strobe in the northeast hallway
3. Add strobe at the north end of the main hallway
4. Relocate strobe in the main hallway in the center of the building
5. Add new strobe in the main hallway in the center of the building
6. Relocate strobe in the main hallway at the south end of the building
7. Add new strobe in the south end of the southeast hallway
8. Relocate strobe in the north end of the southeast hallway
9. Add new strobe in the copy room at the south end of the building

Sixteenth Floor

1. Add two heat detectors in the mechanical room at the north end of the building
2. Add a high head detector in the boiler room at the north end of the building
3. Add six smoke detectors in the mechanical room on the east side of the building
4. Add strobe and smoke detector in the main hallway at the south end of the building

Fee Proposal

In accordance with our understanding of your needs, we have proposed our fees for the above scope of work on the basis of a fixed fee and in a manner that will facilitate your separation of the total fees into the component parts as necessary. These fixed fees, however, are based upon and derived from our accounting of the actual time spent on reaching our current, almost complete, status of the work. We have created the following matrix to indicate the distribution and magnitude of our fees for each of the categories noted:

Scope Item	Fire Marshall	County	City	Actual Effort to Date	Est Effort to Complete	Est Total Fee Amount	Fee Reduction	Final Fee Amount
A	0%	100%	0%	\$ 8,670	\$ 2,800	\$ 11,470	\$ 6,500	\$ 4,970
B	90%	0%	10%	\$ 10,430	\$ 500	\$ 10,930	\$ 2,900	\$ 8,030
Totals	-	-	-	\$ 19,100	\$ 3,300	\$ 22,400	\$ 9,400	\$ 13,000

The "Actual Effort to Date" column indicates the fee amounts derived from our time sheets from the beginning of our work on these scope items thru Feb 15, 2005.

The "Est Effort to Complete" column indicates our estimate of the fee amount necessary to complete the scope of work from Feb 16 through completion.

The "Est Total Fee Amount" column is the sum of the previous two columns and represents our estimate of the total amount we will have invested in the scope of work upon completion.

The "Fee Reduction" column indicates an amount intended to compensate for scope reduction as compared with our original proposal (eg: the 'Operational Matrix') and some of the effort we may have expended on this scope of work due to our own inefficiencies.

The "Final Fee Amount" column indicates the amounts now being submitted for final acceptance of this Additional Services Fee Proposal.

Note that we have not increased the number of site visits as a result of these changes since we believe that a sufficient number of trips to the site are currently authorized.

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In accordance with your further request, we can also provide the following additional information with regard to these fee amounts:

Scope of Work item A is estimated to be 80% complete as of this writing  
Scope of Work item B is estimated to be 99% complete as of this writing

As you can see from the above percentage completion figures, we have proceeded with production of this work prior to receiving the usual written authorization. We have done this as a result of our combined agreement to expedite the project schedule.

In view of this effort, we will appreciate your consideration and efforts in working towards gaining acceptance of this amendment in the shortest time possible.

Sincerely,

Robert H. Welt