METROPOLITAN EXPOSITION-RECREATION COMMISSION

RESOLUTION 01-21

For the purpose of authorizing staff to issue a Request for Proposals for "Special Inspection Services for Steel Construction for the Oregon Convention Center Expansion" for the Oregon Convention Center Expansion, and authorizing the General Manager to execute a Contract with the selected special inspection company based on staff evaluation and recommendations.

The Metropolitan Exposition-Recreation Commission finds:

- 1. That Special Inspection Services for Steel Construction for the Oregon Convention Center Expansion is required by the City of Portland for the construction of the Oregon Convention Center Expansion,
- 2. That a contracting of Special Inspection Services is a requirement to complete the construction of the Expansion, and
- 3. That the approved Capital Budget includes \$90,000 for Special Inspection Services for steel, and
- 4. That the Commission must approve issuance of a Request for Proposals, and may authorize the General Manager to execute a contract with the successful proposer subject to conditions established by the Commission.

Be it therefore resolved that the Metropolitan Exposition-Recreation Commission authorizes Staff to issue a Request for Proposals for Special Inspection Services for Steel Construction for the Oregon Convention Center Expansion in a form substantially similar to the Request For Proposals attached as Exhibit "A," and, further, that the Commission authorizes the General Manager of MERC to execute a contract for said Special Inspection Services for Steel Construction for the Oregon Convention Center Expansion after staff has selected the successful proposal, provided that the cost of the contract does not exceed the available funds budgeted.

Passed by the Commission on May 16, 2001.

Approved As to Form: Daniel, B. Cooper, General Counsel

By:

Senior Assistant Counsel

DRAFT May 11, 2001

REQUEST FOR PROPOSALS MERC Resolution 01-21

SPECIAL INSPECTION TESTING SERVICES FOR STEEL CONSTRUCTION OREGON CONVENTION CENTER EXPANSION

1.0 INTRODUCTION

MERC, a commission of Metro, a metropolitan services district organization under the laws of the State of Oregon and the 1992 Metro Charter, located at 777 Martin Luther King Jr. Boulevard, Portland, OR 97232-2736, is requesting proposals for Special Inspection / Third Party Testing and Inspection Services for Steel Construction for the Oregon Convention Center (OCC) Expansion Project. MERC requests a Testing Agency to provide services necessary to evaluate, inspect, and test steel construction for the Expansion of the Oregon Convention Center in accordance with Specification Section 01400 prepared by Zimmer Gunsul Frasca Partnership (ZGF), project architect.

1.1 Proposals will be due no later <u>than TBA, 11:00AM</u> in the Oregon Convention Center Expansion Project Office, 834 NE MLK Jr. Blvd, Portland, Oregon 97232. Postmark dates will not be considered. Details concerning the project and proposal are contained in this document.

2.0 BACKGROUND/HISTORY OF PROJECT

The Oregon Convention Center (OCC) Expansion Project shall expand the existing Convention Center by approximately 407,000 square feet and add approximately 800 parking spaces to be located in a two-level parking structure located below the expansion.

- 2.1 The Expansion will be constructed on an approximately 7.0+ acre site of the existing surface parking lot south of the existing OCC and will wrap around at the area east of Exhibit Hall C up to the MLK Lobby.
- 2.2 The Expansion will include 2 levels of poured in place and precast parking structure located beneath the Expansion. The Expansion shall incorporate new exhibit halls, a ballroom, meeting rooms and support areas. The Expansion structure shall be steel frame with long span trusses and steel system for large central skylight. Masonry will be used at the exterior and for interior walls. Structural light gauge framing will be used for partitions. The Expansion is being designed to match the existing Oregon Convention Center.
- 2.3 The Architects for this project is Zimmer Gunsul Frasca (ZGF) and Hoffman Construction Corporation (HCC) is the CM/GC for the construction of this project. KPFF is the structural engineer. David Evans and Associates is the project's civil engineer. ZGF may be contacted by the proposer to review the latest drawings completed for this project,

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3.0 PROPOSED SCOPE OF WORK/SCHEDULE

- 3.1 MERC is seeking proposals from qualified firms to perform the following services and to deliver the products described below. The proposer shall be identified as "Testing Agency".
- 3.2 The Testing Agency shall provide the services required by this document and the services defined by <u>Section 01400, Exhibit A</u>. The Testing Agency shall review both documents and be prepared to provide the services defined to be completed by the Testing Agency. If there is a conflict between documents, the OCC Representative shall determine the action required to resolve the conflict.

3.3 <u>REPORTS</u>

The Testing Agency shall provide detailed inspection reports as defined by <u>Section 01400, paragraph 1.6. and paragraph 1.7.G.</u> In addition, the Testing Agency shall maintain a non-compliance document tracking any issues that are not compliant with the inspection requirements. This document shall be updated weekly. A sample non-compliance tracking document used by the Testing Agency is to be included in the proposal.

3.4 PERMITS AND REGULATIONS

The Testing Agency shall obtain all permits required for work being completed by the Testing Agency. The Testing Agency will be required to abide by and conduct the work in compliance with all codes, ordinances, regulations or other requirements for the performance of the work, including OSHA requirements. The Testing Agency must be approved to provide testing services by the City of Portland. Documentation of expiration date shall be included with the proposal.

3.5 COORDINATION WITH OWNER

The Testing Agency shall schedule the completion of services with the CM/GC so as to not impact with the construction of the Oregon Convention Center Expansion. The Testing Agency shall work with the CM/GC and OCC Representative to coordinate work to be completed in the existing facility and schedule around events taking place at the Oregon Convention Center that may be impacted by the services completed by the Testing Agency.

3.5.1 The Testing Agency shall provide continuous communication with the CM/GC staff through the project. The Testing Agency shall attend multiple meetings to coordinate the completion of this work including, at a minimum: a scope of work meeting, scheduling meeting, pre-mobilization meeting with the City of Portland and the Construction Team, meetings with the City as needed, monthly updates, and close out of project.

3.5.2The Testing Agency shall attend meetings with the CM/GC when requested.

3.6 FRABRICATION

3.6.1 Fabrication of the steel will be completed by _______in _____. The Shop Inspections services to be provided shall meet the requirements of the City of Portland for steel fabrication. The Testing Agency shall coordinate with the City of Portland to verify all requirements for shop fabrication are being met and the inspection services and documentation required by the City is provided.

3.7 <u>SCHEDULE</u>

Exhibit B identifies the proposed Project Schedule.

4.0 QUALIFICATION/EXPERIENCE

Proposers shall have been in business for 3 years and have completed similar projects that have required Special Inspection Services. The proposer shall have completed services similar to the requirements of this RFP for 7 other projects larger than \$10 million, in the last 3 years. Proof of experience and access to the reports completed by the Testing Agency shall be made available to MERC's Authorized Representative upon request.

5.0 PROPOSAL INSTRUCTIONS

Submission of Proposal

Six (6) copies of the proposal shall be furnished and addressed to:

Oregon Convention Center Expansion Office Attention: Karl Schulz 777 NE Martin Luther King Jr. Blvd. Portland, OR 97232

5.1 <u>Deadline</u>

Proposals will not be considered if received after 11:00am (Pacific Time), TBA in the <u>Oregon Convention Center Expansion Project Office at 834 NE MLK Jr. Blvd</u>, across the street from the Convention Center. Proposals are not to be delivered to the Oregon Convention Center, as that may cause a delay in the proposal being received by the OCC Expansion Office. Proposals received after the deadline due to incorrect delivery will not be considered. Postmarked dates will not be considered.

5.2 <u>RFP as Basis for Proposals</u>

This Request for Proposals represents the most definitive statement MERC will make concerning the information upon which Proposals are to be based. Any verbal information, which is not addressing this RFP, will not be considered by MERC in evaluating the Proposal. All questions, which in the opinion of MERC warrant a written reply of an RFP amendment, will be furnished to all parties receiving this RFP. MERC will not respond to questions received after 5:00pm, TBA.

5.3 Information Release

All proposers are hereby advised that MERC may solicit and secure background information based upon the information, including references, provided in

response to the RFP. By submission of a proposal all proposers agree to such activity and release MERC from all claims arising from such activity.

5.4 Minority and Women-Owned Business Program

MERC has made a strong commitment to provide maximum opportunities to Minority and Women-Owned Business Enterprises (MBE/WBE), and Emerging Small Businesses (ESB), including State of Oregon certified minority, womenowned, and emerging small business enterprises in contracting activities. MERC extends equal opportunity to all persons and specifically encourages MBE's and WBE's to access and participate in this and all MERC projects, programs, and services. MERC reserves the right, at all times during this agreement, to monitor compliance with the terms of this agreement and the MERC MBE/WBE/ESB outreach program.

6.0 PROPOSAL CONTENTS

The proposal should be a <u>maximum of 15 double-sided pages (total 30 sides) of</u> <u>written</u> materials, including biographies and brochures which may be included in an appendix, describing the ability of the Testing Agency to perform the work requested, as outlined in the RFP. The proposal should be submitted on recyclable, double-sided recycled paper (post consumer content). No waxed page dividers or non-recyclable materials should be included in the proposal. The proposal should include the following information:

6.1 Certifications

City of Portland testing agency certification is to be included. The Testing Agency shall also be OBOA certified. List all accreditations/ certifications for the company and the most recent dates for the accreditations and/or certifications, including expiration dates. List any suspended accreditations and/or certifications.

6.2 Experience

Documentation of your firm's capability and experience in performing testing and inspections in accordance with Specification Section D1400. Provide the names of similar projects, dates, services provided, names and telephone numbers for the references identified for each project.

6.3 Company Background

Company background, including age of organization, number of local employees and type of testing services routinely provided in the Portland/Vancouver vicinity.

6.4 Staff

Name(s) and experience for the individual(s) to be assigned to this project including all field staff: include length of service with the company, qualifications/certifications, (City of Portland, ICBO Structural Steel Inspector, ASNT, Level III, Ultrasonic Testing Level III, AWS CWI) work experience and professional organizations. The person assigned to this project shall be committed for the duration of each phase for which they have been proposed. List the persons to be assigned to the following positions.

> Project Manager Lead On Site Inspector Back Up Inspector

QA/QC Staff Others

6.5 Quality Control

Provide a description of your firm's quality control program.

6.6 Insurance

List your firm's current types of insurance coverage; identify limits of coverage, policy expiration dates and carrier names. The following are required:

- A) Workers' Compensation (statutory limits)
- B) Comprehensive General Liability (minimum \$1 million)
- C) Comprehensive Automobile Liability (minimum \$1 million)
- D) Excess Liability (minimum \$1 million)

6.7 <u>Costs</u>

Detailed breakdown of costs by type of test or inspection. To include estimated quantity of tests, number of hours, costs per hour, and all miscellaneous / reimbursable costs. Itemized costs for the following are to be specified:

A) Structural Steel – Field a. Staff Inspector

B) Shop Inspection

- a. Cost per hour for inspection at Shop
- b. Daily cost for shop inspection
- c. Travel cost per week for shop inspection
- d. Travel cost per day for shop inspection
- e. Daily
- f. Management cost for shop inspection
- C) Fire Proofing
 - a. Staff Inspector
- D) Engineering
 - a. Professional Engineer
 - b. Engineering Associate
 - c. Draftsman
- E) Miscellaneous Services & Fees
 - a. Distance in Miles from Office to Project
 - b. Cost per Mile
 - c. Minimum Charge or Time per Inspection Visit
 - d. Fax Charges
 - e. Telephone Consulting Fees
 - f. Word Processing Fees
 - g. Engineer Review and Analysis of Reports
 - h. Project Management Rate

6.8 Budget Estimate

The Testing Agency shall provide an estimate on the total costs to complete all testing services for work required by this RFP based on the schedule provided as *Exhibit B*. The Testing Agency shall provide a low range and a high range for



the total budget estimate and provide a narrative defining the assumptions used to complete the budget estimate.

6.9 Exceptions and Comments

To facilitate evaluation of proposals, all responding firms will adhere to the format outlined within this RFP. Firms wishing to take exception to, or comment on, any specified criteria within the RFP are encouraged to document their concerns in this part of their proposal. The Testing Agency shall define any issues and/or costs that are excluded in their proposal for the work required by this RFP. Exception or comments should be succinct, thorough and organized.

7.0 GENERAL PROPOSAL/CONTRACT CONDITIONS

Limitation and Award

This RFP does not commit MERC to award a contract, nor to pay any costs incurred in the preparation and submission of a proposal in anticipation of a contract. MERC reserves the right to waive minor irregularities, accept or reject any or all proposals received as the result of this request, negotiate with all qualified sources, or to cancel all or part of this RFP.

7.1 Filling Procedures

Proposers are informed that the billing procedures of the selected firm are subject to the review and prior approval of MERC before reimbursement of services can occur. The Testing Agency's invoices shall include an itemized statement of the work done during the billing period, and will not be submitted more frequently than once a month. MERC shall pay the Testing Agency within 30 days of receipt of any approved invoice.

7.2 Validity Period and Authority

The proposal shall be considered valid for a period of at least ninety (90) days and shall contain a statement to that effect. The proposal shall contain the name, title, address, and telephone number of an individual(s) with authority to bind any company contacted during the period in which MERC is evaluating the proposal.

7.3 Conflict of Interest

A Proposer filing a proposal thereby certifies that no officer, agent, or employee of MERC has a pecuniary interest in this proposal or has participated in contract negotiation on behalf of MERC, that the proposal is made in good faith without fraud, collusion, or connection of any kind with any other Proposer, is completing solely in its own behalf without connection with, or obligation to, any undisclosed person or firm.

8.0 EVALUATION OF PROPOSALS

Proposals received that conform to the proposal instructions will be evaluated. The evaluation will take place using the evaluation criteria identified in the following section. Interviews may be requested prior to final selection of one firm.

8.1 <u>Evaluation Procedures</u>

An evaluation team will determine initially which proposals are within the competitive range in accordance with the evaluation criteria set forth below. Only those proposals determined within the competitive range will be considered for award.

8.2 Evaluation Criteria

This section provides a description of the criteria that will be used in the evaluation of the proposals submitted to accomplish the work defined in the RFP.

A)	Proposal Meets Content	5%
	Requirements	
B)	Firm Experience with	
-	Major Steel Projects	20%
C)	References	15%
D)	Key Personnel	10%
E)	Reports	5%
F)	Certification and Permits	10%
G)	Rates, Costs and Fees	20%
H)	Insurance Coverage	10%
I)	Other (MBE/WBE/ESB)	<u> </u>
		TOTAL 100%

8.3 <u>Interviews</u>

Selected proposers may be invited to participate in the interview section of the evaluation process. Proposers should be prepared to respond to questions related specifically to their proposals and other pertinent matters with respect to the RFP.

9.0 NOTICE TO ALL PROPOSERS - STANDARD AGREEMENT

The attached Personal Services Agreement <u>(*Exhibit C*)</u> is a standard agreement used and approved by MERC. This is the contact the successful proposer will enter into with MERC. It is included for your review prior to submitting a proposal.

10.0 EXHIBITS

Exhibit A: <u>Specification Section 01400 (6 pages)</u>

Exhibit B: Project Schedule dated 9/19/00 (4 pages)

Exhibit C: <u>MERC Personal Services Agreement (4 pages)</u>

MERC STAFF REPORT

Agenda Item/Issue:

Authorizing Staff to issue a Request for Proposals for "Special Inspection Services for Steel Construction for the Oregon Convention Center Expansion." and authorizing the General Manager to execute a contract with the selected special inspection company based on staff evaluation and recommendations.

Resolution No: 01-21

Date: May 16, 2001

Presented by: Karl Schulz, Senior Project Manager

Background: The City of Portland requires that MERC contract for Special Inspection Services for the inspection of steel production and construction for the Oregon Convention Center Expansion. The Special Inspection Services must be provided by a certified inspection agency approved by the City of Portland. The Special Inspector will be responsible for the inspection and documentation regarding steel production at the manufacturing facility, and the inspection of installation of steel at the Oregon Convention Center Expansion site for the duration of the project.

<u>Process</u>: The Request for Proposals defines the scope of services to be provided, which will be the inspection of the manufacturing and construction of steel. The Request for Proposals defines the requirements for the selection, contracting and inspection services to be provided. However, the specific language on the manufacturing locations to be inspected will not be included in the initial Request for Proposals because the manufacturing locations cannot be identified until after the bidding and awarding of Steel Bid Package #3 (BP 3). Once BP 3 is awarded, all proposers will be notified of the location of steel manufacturing. The Proposers will complete their proposals based on the location and certification of the supplier.

<u>RFP Language</u>: The technical language of the Request for Proposals will remain substantially the same as contained in the current draft, attached to the Resolution as Exhibit "A." When it is determined where the steel is going to be produced, proposers will be notified of the location of steel manufacturing through issuance of a revised Request for Proposals that includes the location of steel manufacturing.

Fiscal Impact: The contracting of Special Inspection Services has been budgeted in the Expansion Project Budget under Testing Agencies, based on the knowledge that the City of Portland would require these services to be completed. The estimated range of cost for the services is \$50,000 to \$90,000, depending on which manufacturer will be awarded the production and construction of the steel for the Expansion. It may be possible that the steel will be fabricated out of the region and require different arrangements for inspection services. Final details on the Inspection Services cannot be determined until after the Steel Bid Package is awarded.

<u>Contract Approval</u>: It is requested that the MERC Commission authorize the General Manager to execute the contract based on the recommendations of the staff after an evaluation of all proposals. Should the contact amount exceed \$75,000.00 (which will be determined, in part, by the selection of the steel manufacturer), staff would normally request formal contract approval by the Commission. However, in this circumstance, submission of the contract to the Commission would delay staff's ability to release the contract for Special Inspections Service and thus delay the production of steel. Therefore, it is requested that the MERC Commission authorize the General Manager to execute the contract for special inspection services with the selected proposer, provided that the contract amount is within the amount of budgeted funds for special inspection services.

Recommendation: Staff recommends that the Commission approve the release of a "Request for Proposals for Special Inspection Services for Steel Construction for the Oregon Convention Center Expansion" in substantially the same form as the Request for Proposals attached to the Resolution as Exhibit "A," and that the Commission authorize the General Manager of MERC to

execute a contract for said special inspection services for steel construction for the Oregon Convention Center Expansion, provided that the contract amount is within the amount of budgeted funds for special inspection services.

CONTRACT # 923629 EXHIBIT A

REQUEST FOR PROPOSALS

No. 01R-53-MERC

SPECIAL INSPECTION TESTING SERVICES FOR STEEL CONSTRUCTION OREGON CONVENTION CENTER EXPANSION

1.0 INTRODUCTION

MERC, a commission of Metro, a metropolitan services district organization under the laws of the State of Oregon and the 1992 Metro Charter, located at 777 Martin Luther King Jr. Boulevard, Portland, OR 97232-2736, is requesting proposals for Special Inspection / Third Party Testing and Inspection Services for Steel Construction for the Oregon Convention Center (OCC) Expansion Project. MERC requests a Testing Agency to provide services necessary to evaluate, Inspect, and provide testing for steel construction for the Expansion of the Oregon Convention Center in accordance with Specification Section 01400 prepared by Zimmer Gunsul Frasca Partnership (ZGF), project architect.

1.1 Proposals will be due no later <u>than October 30, 2001, 11:00AM</u> in the Oregon Convention Center Expansion Project Office at 834 NE Martin Luther King Jr., Blvd, Portland, OR 97232, located across the street from the Convention Center. Postmark dates will not be considered. Details concerning the project and proposal are contained in this document.

1.2 A copy of the complete RFP may be obtained by contacting in writing the Oregon Convention Center Expansion Office via fax (503-238-0647) or e-mail (vickibaker@oregoncc.org). Please provide in writing the contact name, company name, phone number and fax number to which to send the documents. <u>Copies will not be mailed</u>. All requests will be answered within one business day of receipt. It is the responsibility of the requesting party to verify receipt of the RFP documents; please contact the OCC Expansion Office at 503-238-0607 if there is any problem or delay in receiving a requested copy.

2.0 BACKGROUND/HISTORY OF PROJECT

The Oregon Convention Center (OCC) Expansion Project shall expand the existing Convention Center by approximately 407,000 square feet and add approximately 800 parking spaces to be located in a two-level parking structure located below the expansion.

2.1 The Expansion will be constructed on an approximately 7.0+ acre site of the existing surface parking lot south of the existing OCC and will wrap around at the area east of Exhibit Hall C up to the MLK Lobby.

Request For Proposal No. 01R-53-MERC Special Inspection / Steel Inspection Services October 10, 2001 Page 1 of 9 The Expansion will include two levels of below grade cast-in-place and concrete parking structure located beneath the Expansion. The Expansion shall incorporate new exhibit halls, a ballroom, meeting rooms and support areas. The Exhibit Hall structure shall be steel framed with metal roof over wide-flange and open-web joists spanning between long span trusses. Ballroom, Meeting Rooms, and support areas will be framed with composite slabs over wide-flange joists and girders. A large central skylight will be framed with a three-dimensional space frame truss fabricated from steel pipe chords and webs connected with mitered T,K, and Y connections. Masonry veneer with steel stud back-up will be used at the exterior and for interior walls. Structural light gauge framing will be used for partitions. The Expansion is being designed to match the existing Oregon Convention Center.

The Architects for this project is Zimmer Gunsul Frasca (ZGF) and Hoffman Construction Corporation (HCC) is the CM/GC for the construction of this project. KPFF is the structural engineer. ZGF may be contacted by the proposer to review the latest drawings completed for this project.

3.0 PROPOSED SCOPE OF WORK/SCHEDULE

- 3.1 MERC is seeking proposals from qualified firms to perform the following services and to deliver the products described below. The proposer shall be identified as "Testing Agency".
- 3.2 The Testing Agency shall provide the services required by this document and the services defined by <u>Exhibit A: Section 01400</u> and in <u>Exhibit D: Special</u> <u>Inspection Program Requirements</u>. For this RFP the proposer shall only propose for services for steel erection and installation, which includes testing services for steel fabrication, erection, welding, and fireproofing. Concrete work inspection services including concrete on deck, masonry, expansion and epoxy anchors have already been contracted. The Testing Agency shall review these documents and be prepared to provide the services defined in this RFP to be completed by the Testing Agency. If there is a conflict between documents, the OCC Expansion Team Representative shall determine the action required to resolve the conflict.

3.3 <u>REPORTS</u>

The Testing Agency shall provide detailed inspection reports as defined by Project Specifications, Section 01400. In addition, the Testing Agency shall maintain a non-compliance document for tracking any issues that are not compliant with the inspection requirements. This document shall be updated weekly. A sample non-compliance tracking document used by the Testing Agency is to be included in the proposal.

3.4 PERMITS AND REGULATIONS

The Testing Agency shall obtain all permits required for work being completed by the Testing Agency. The Testing Agency will be required to abide by and conduct the work in compliance with all codes, ordinances, regulations or other requirements for the performance of the work, including OSHA requirements. The Testing Agency must be approved to provide testing services by the City of Portland. Documentation of expiration date shall be included with the proposal.

Request For Proposal No. 01R-53-MERC Special Inspection / Steel Inspection Services October 10, 2001 Page 2 of 9

2.2

3.5 COORDINATION WITH OWNER

The Testing Agency shall schedule the completion of services with the CM/GC so as to not Impact with the construction of the Oregon Convention Center Expansion. The Testing Agency shall work with the CM/GC and OCC Representative to coordinate work to be completed in the existing facility and schedule around events taking place at the Oregon Convention Center that may be impacted by the services completed by the Testing Agency.

3.5.1 The Testing Agency shall provide continuous communication with the CM/GC staff through the project. The Testing Agency shall attend multiple meetings to coordinate the completion of this work including, at a minimum: a scope of work meeting, scheduling meeting, pre-mobilization meeting with the City of Portland and the Construction Team, meetings with the City as needed, monthly updates, and close out meetings for this project.

The Testing Agency shall attend meetings with the CM/GC or owner when requested by either organization project representative.

3.6 FABRICATION

The structural steel for this project will be fabricated by X. L. Ironworks Company, Surrey, B.C., Canada, and by Universal Structural, Inc., Vancouver, Washington. Miscellaneous steel will be fabricated in Hillsboro, Oregon.

3.7 SCHEDULE

<u>Exhibit B</u> identifies the proposed Project Schedule for the production and $\dot{}$ erection of steel.

4.0 QUALIFICATION/EXPERIENCE

Proposer shall have been in business for 3 years and have completed similar projects that have required Special Inspection Services. The proposer shall have completed services similar to the requirements of this RFP for 7 other projects larger than \$10 million, in the last 3 years. Proof of experience and access to the reports completed by the Testing Agency shall be made available to OCC Expansion Authorized Representative upon request.

5.0 PROPOSAL INSTRUCTIONS

Submission of Proposal

Six (6) copies of the proposal shall be furnished and addressed to:

Oregon Convention Center Expansion Office Attention: Karl Schulz 834 NE Martin Luther King Jr. Blvd. Portland, OR 97232

5.1 Deadline

Proposals will not be considered if received after 11:00am (Pacific Time), October 30, 2001 in the <u>Oregon Convention Center Expansion Project Office</u> <u>located at 834 NE Martin Luther King, Jr. Blvd., across from the Oregon</u> <u>Convention Center, between Oregon and Pacific</u>. Proposals are not to be delivered to the Oregon Convention Center Administrative or MERC Offices, as that may cause a delay in the proposal being received by the OCC Expansion Office. Proposals received after the deadline due to incorrect delivery will not be considered. Postmarked dates will not be considered. If any question, please call 503-238-0607 in advance to verify location and proposal delivery.

5.2 <u>RFP as Basis for Proposals</u>

This Request for Proposals represents the most definitive statement MERC will make concerning the information upon which Proposals are to be based. Any verbal information, which is not addressing this RFP, will not be considered by MERC in evaluating the Proposal. All questions, which in the opinion of MERC warrant a written reply of an RFP amendment, will be furnished to all parties receiving this RFP.

MERC will not respond to questions received after 5:00pm, October 24, 2001 unless it is in the best interest of MERC to respond.

5.3 Information Release

All proposers are hereby advised that MERC may solicit and secure background information based upon the information, including references, provided in response to the RFP. By submission of a proposal all proposers agree to such activity and release MERC from all claims arising from such activity.

5.4 Minority and Women-Owned Business Program

MERC has made a strong commitment to provide maximum opportunities to Minority and Women-Owned Business Enterprises (MBE/WBE), and Emerging Small Businesses (ESB), including State of Oregon certified minority, womenowned, and emerging small business enterprises in contracting activities. MERC extends equal opportunity to all persons and specifically encourages MBE's and WBE's to access and participate in this and all MERC projects, programs, and services. MERC reserves the right, at all times during this agreement, to monitor compliance with the terms of this agreement and the MERC MBE/WBE/ESB outreach program.

6.0 PROPOSAL CONTENTS

The proposal should be a <u>maximum of 10 double-sided pages (total 20 sides)</u> of written materials, including biographies and information describing the ability of the Testing Agency to perform the work requested, as outlined in the RFP. The proposal should be submitted on recyclable, double-sided recycled paper (post consumer content). No waxed page dividers or non-recyclable materials should be included in the proposal. The proposal should include the following information and will be scored based on presenting the information requested below:

6.1 <u>Certifications</u>

City of Portland testing agency certification is to be included. The Testing Agency shall also be OBOA certified. List all accreditations/ certifications for the company and the most recent dates for the accreditations and/or certifications, including expiration dates. List any suspended accreditations and/or certifications. Documentation of expiration date shall be included with the proposal as appendix sets that can exceed the maximum amount of pages for the proposal.

Request For Proposal No. 01R-53-MERC Special Inspection / Steel Inspection Services October 10, 2001 Page 4 of 9

6.2 Experience

Documentation of your firm's capability and experience in performing testing and inspections in accordance with Specification Section 01400 for steel and fire proofing. Provide the names of similar projects, dates, services provided, names and telephone numbers for the references identified for each project.

6.3 <u>Company Background</u>

Provide information on your Company background, including age of organization, number of local employees and type of testing services routinely provided in the Portland/Vancouver vicinity.

6.4 Company References

Provide references of other project which the proposer has provided steel inspections services including name of project, address, owners name, and phone number of similar projects.

6.5 Personnel

Name(s) and experience for the individual(s) to be assigned to this project including all field staff: include length of service with the company, qualifications/certifications, (City of Portland, ICBO Structural Steel Inspector, ASNT, Level III, Ultrasonic Testing Level III, AWS CWI) work experience and professional organizations. The person assigned to this project shall be committed for the duration of each phase for which they have been proposed. List the persons to be assigned to the following positions:

Project Manager Lead On-Site Inspector Off-Site Inspector Back Up Inspector QA/QC Staff Others

If the Proposer determines to use an inspection firm located in the same area as the fabricator, the proposer shall provide information defining the capabilities of the local inspection firm including information on the firm, certifications, and the staff resumes to provide inspection services.

6.6 <u>Quality Control</u>

Provide a description of your firm's quality control program for on-site inspection and fabrication inspection. Include a copy of the form used to document inspections.

6.7 <u>Insurance</u>

List your firm's current types of insurance coverage; identify limits of coverage, policy expiration dates and carrier names. The following are required:

Workers' Compensation (statutory limits) Comprehensive General Liability (minimum \$1 million) Comprehensive Automobile Liability (minimum \$1 million) Excess Liability (minimum \$1 million)

6.8 <u>Costs</u>

Detailed breakdown of costs by type of test or inspection. Costs to include estimated quantity of tests, number of hours, costs per hour, and all miscellaneous / reimbursable costs. Itemized costs for the following are to be specified. Provide the base rate and the overtime rate for the service provided when appropriate:

- A. Structural Steel Field
 - a. Cost per hour to provide visual inspection based on requirements of UBC and AWS D1.1.
 - b. Cost per hour to provide inspection and testing of high strength field bolted connections based on requirements of UBC for ASTM A 325 or ASTM A 490 Bolts.
 - c. Cost per hour to provide Skidmore-Wilhem Testing for bolting.
 - d. Cost per hour to provide Ultrasonic Testing based on the requirements of ASTM E 164.
 - e. Cost per hour to provide Magnetic Particle Testing.
 - f. Cost per hour to provide Dye Penetrant Testing.
 - g. Cost per hour to provide ASNT Level III Services.
 - h. Cost per hour to provide Structural Anchor Inspection.
- B. Shop Inspection, Surrey, B.C. Canada XL Ironworks
 - a. Cost per hour for visual inspection at shop.
 - b. Cost per hour to provide Ultrasonic Testing at shop.
 - c. Cost per hour to provide Magnetic Particle Testing at shop.
 - d. Cost per hour to provide Dye Penetrant Testing at shop.
 - e. Cost per hour to provide ASNT Level III Services.
 - f. Total daily cost for shop inspection.
 - g. Travel cost per week for shop inspection.
 - h. Travel cost per day for shop inspection.
 - i. Daily Stipend for Inspector.
 - j. Management cost for shop inspection per hour.

C. Shop Inspection, Vancouver, Washington – U.S.I.

- a. Cost per hour for visual inspection at shop.
- b. Cost per hour to provide Ultrasonic Testing at shop.
- c. Cost per hour to provide Magnetic Particle Testing at shop.
- d. Cost per hour to provide Dye Penetrant Testing at shop.
- e. Cost per hour to provide ASNT Level III Services Testing at shop.
- f. Total daily cost for shop inspection.
- g. Travel cost per week for shop inspection.
- h. Travel cost per day for shop inspection.
- i. Daily Stipend for inspector.
- i. Management cost for shop inspection per hour.

D. Shop Inspection, miscellaneous iron, Hillsboro, Oregon

- a. Cost per hour for visual inspection at shop.
- b. Cost per hour to provide Ultrasonic Testing at shop.
- c. Cost per hour to provide Magnetic Particle Testing at shop.
- d. Cost per hour to provide Dye Penetrant Testing at shop.
- e. Cost per hour to provide ASNT Level III Services Testing at shop.
- f. Total daily cost for shop inspection.
- g. Travel cost per week for shop inspection.
- h. Travel cost per day for shop inspection.

Request For Proposal No. 01R-53-MERC Special Inspection / Steel Inspection Services October 10, 2001 Page 6 of 9

- i. Daily Stipend for inspector.
- j. Management cost for shop inspection per hour.
- E. Fire Proofing
 - a. Cost per hour for Staff Inspector.
 - b. Fireproofing Density Testing cost per test.
 - c. Minimum Call Out Charge or Time per Inspection Visit.
 - d. Cost per pick up of materials at job site and return to lab.
- F. Temporary Shoring Inspection
 - a. Cost per hour for Staff Inspector.
- G. Add Structural Anchors
 - a. High Strength (A325 and A490) Bolts
- H. Engineering
 - a. Professional Engineer Hourly Rate.
 - b. Engineering Associate Hourly Rate.
 - c. Draftsman Hourly Rate.
- I. Miscellaneous Services & Fees.
 - a. Cost per mile rate.
 - b. Distance in Miles from Office to Project.
 - c. Total cost based on mile rate or other method for travel to and from the site for each service provided.
 - d. Minimum Call Out Charge or Time per Inspection Visit.
 - e. Cost per pick up of materials at job site and return to lab.
 - f. Fax Charges.
 - g. Telephone Consulting Hourly Rate.
 - h. Word Processing Hourly Rate.
 - i. Engineer, Preparation, Review and Analysis of Reports per hour.
 - j. Project Management Rate per hour.
 - k. Miscellaneous Costs: List service and cost for service in attached list.

6.9 Budget Estimate

The Testing Agency shall provide an estimate on the total costs to complete all testing services for work required by this RFP based on the schedule provided as *Exhibit B*. The Testing Agency shall provide a low range and a high range for the total budget estimate and provide a narrative defining the assumptions used to complete the budget estimate.

6.10 Exceptions and Comments

To facilitate evaluation of proposals, all responding firms will adhere to the format outlined within this RFP. Firms wishing to take exception to, or comment on, any specified criteria within the RFP are encouraged to document their concerns in this part of their proposal. The Testing Agency shall define any issues and/or costs that are excluded in their proposal for the work required by this RFP. Exception or comments should be succinct, thorough and organized.

7.0 GENERAL PROPOSAL/CONTRACT CONDITIONS

Limitation and Award

This RFP does not commit MERC to award a contract, nor to pay any costs incurred in the preparation and submission of a proposal in anticipation of a contract. MERC reserves the right to waive minor irregularities, accept or reject any or all proposals received as the result of this request, negotiate with all qualified sources, or to cancel all or part of this RFP.

7.1 Billing Procedures

Proposers are informed that the billing procedures of the selected firm are subject to the review and prior approval of MERC before reimbursement of services can occur. The Testing Agency's invoices shall include an itemized statement of the work done during the billing period, and will not be submitted more frequently than once a month. MERC shall pay the Testing Agency within 30 days of receipt of any approved invoice.

7.2 Validity Period and Authority

The proposal shall be considered valid for a period of at least ninety (90) days and shall contain a statement to that effect. The proposal shall contain the name, title, address, and telephone number of an individual(s) with authority to <u>bind any company contacted during</u> the period in which MERC is evaluating the proposal.

7.3 Conflict of Interest

A Proposer filing a proposal thereby certifies that no officer, agent, or employee of MERC has a pecuniary interest in this proposal or has participated in contract negotiation on behalf of MERC, that the proposal is made in good faith without fraud, collusion, or connection of any kind with any other Proposer, is completing solely in its own behalf without connection with, or obligation to, any undisclosed person or firm.

8.0 EVALUATION OF PROPOSALS

An evaluation team will determine initially which proposals are within the competitive range in accordance with the evaluation criteria set forth below. Only those proposals determined within the competitive range will be considered for award.

8.1 Evaluation Criteria

This section provides a description of the criteria that will be used in the evaluation of the proposals submitted to accomplish the work defined in the RFP. The selection team scoring the proposals submitted will complete a scoring evaluation form.

A)	Proposal Meets Content	5%
B)	Certification and Permit	10%
	Requirements	
C)	Firm's Experience with	
	Major Steel Projects	20%
D)	References	15%
E)	Key Personnel	10%
F)	Reports	5%

October 10, 2001 Page 8 of 9 G) Rates, Costs and Fees

H) Insurance CoverageI) Other (MBE/WBE/ESB)

(ESB) <u>5%</u> TOTAL 100%

20%

10%

8.2 Interviews

Selected proposers may be invited to participate in the interview section of the evaluation process. Proposers should be prepared to respond to questions related specifically to their proposals and other pertinent matters with respect to the RFP.

9.0 NOTICE TO ALL PROPOSERS - STANDARD AGREEMENT

The attached Personal Services Agreement <u>(Exhibit C)</u> is a standard agreement used and approved by MERC. This is the contact the successful proposer will enter into with MERC. It is included for your review prior to submitting a proposal.

10.0 EXHIBITS

Exhibit A: Specification Section 01400 (6 pages)

Exhibit B: Project Schedule dated 08/01/01 (7 pages)

Exhibit C: <u>MERC Personal Services Agreement (4 pages)</u>

Exhibit D: Special Inspection Program Requirements from Contract Documents.

EXHIBIT A

SECTION 01400-A - QUALITY REQUIREMENTS

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. This Section includes administrative and procedural requirements for quality assurance and quality control.
- B. Testing and inspecting services are required to verify compliance with requirements specified or indicated. These services do not relieve Construction Manager / General Contractor (CM/GC) of responsibility for compliance with the Contract Document requirements.
 - 1. Specific quality-control requirements for individual construction activities are specified in the Sections that specify those activities. Requirements in those Sections may also cover production of standard products.
 - 2. Specified tests, inspections, and related actions do not limit CM/GC's quality-control procedures that facilitate compliance with the Contract Document requirements.
 - 3. Requirements for CM/GC to provide quality-control services required by Owner, or authorities having jurisdiction are not limited by provisions of this Section.
- C. Related Sections include the following:
 - 1. Division 1 Section "Construction Progress Documentation" for developing a schedule of required tests and inspections.
 - 2. Division 1 Section "Cutting and Patching" (and also Metro's General Conditions) for repair and restoration of construction disturbed by testing and inspecting activities.
 - 3. Divisions 2 through 16 Sections for specific test and inspection requirements.

1.3 DEFINITIONS

- A. Quality-Assurance Services: Activities, actions, and procedures performed before and during execution of the Work to guard against defects and deficiencies and ensure that proposed construction complies with requirements.
- B. Quality-Control Services: Tests, inspections, procedures, and related actions during and after execution of the Work to evaluate that completed construction complies with requirements. Services do not include contract enforcement activities performed by Owner or Architect.
- C. Mockups: Full-size, physical example assemblies to illustrate finishes and materials. Mockups are used to verify selections made under Sample submittals, to demonstrate aesthetic effects and, where indicated, qualities of materials and execution, and to review construction, coordination, testing, or operation; they are not Samples. Mockups establish the standard by which the Work will be judged.

D. Testing Agency: An entity engaged to perform specific tests, inspections, or both. Testing laboratory shall mean the same as testing agency.

1.4 CONTRACTOR STRUCTURAL DESIGN

- A. The Contract Documents include performance and structural design criteria for the following systems, materials and equipment.
 - 1. Section 02810, Lawn Sprinkler Piping
 - 2. Section 05511, Metal Stairs
 - 3. Section 05530, Gratings
 - 4. Section 07811, Sprayed Fire-Resistive Materials
 - 5. Section 08410, Aluminum Entrances and Storefronts
 - 6. Section 08630, Metal Framed Skylights
 - 7. Section 08920, Glazed Aluminum Curtain Walls
 - 8. Section 08922, Structurally Glazed Canopies
 - 9. Section 09511, Acoustical Panel Ceilings
 - 10. Division 15 Mechanical, including Plumbing, Fire Alarm and Sprinklers (with seismic restraint)
 - 11. Division 16 Electrical (with seismic restraint)

B. Performance and Design Criteria: Where professional design services or certifications by a design professional are specifically required of Contractor by the Contract Documents, provide products and systems complying with specific performance and design criteria indicated.

- 1. If criteria indicated are not sufficient to perform services or certification required, submit a written request for additional information to Architect.
- C. The Contractor shall cause such services or certifications to be provided by a properly licensed design professional whose signature and seal shall appear on all drawings, calculations, specifications, certifications, Shop Drawings and other submittals prepared by such professional. Shop Drawings and other submittals related to the Work designed or certified by such professional, if prepared by others, shall bear such professional's written approval when submitted to the Architect.
- D. The Owner shall be entitled to rely upon the adequacy, accuracy and completeness of the services, certifications or approvals performed by such design professionals, since the Architect has specified all performance and design criteria that such services must satisfy. Pursuant to this Subparagraph, the Architect will review, approve or take other appropriate action on submittals only for the limited purpose of checking for conformance with information given and the design concept expressed in the Contract Documents. The Contractor shall not be responsible for the adequacy of the performance or design criteria required by the Contract Documents.
- E. In addition to the requirements of Section 01300 Submittals, where Work of this Contract requires Contractor structural design, the following submission requirements apply:
 - 1. Submit shop drawings, including a simply detailed sectional drawing of each system, and calculations for preliminary review.
 - 2. Submit, to the Architect the required number of sets of reviewed shop drawings and calculations for plans examination and permit. All Contractor structural design submittals shall be stamped by an Engineer registered in Oregon.

QUALITY REQUIREMENTS

1.5 SUBMITTALS

- A. Qualification Data: For testing agencies specified in "Quality Assurance" Article to demonstrate their capabilities and experience. Include proof of qualifications in the form of a recent report on the inspection of the testing agency by a recognized authority.
- B. Contractor-Design Submittal: In addition to Shop Drawings, Product Data, and other required submittals, submit a statement, signed and sealed by the responsible design professional, for each product and system specifically assigned to CM/GC to be designed or certified by a design professional, indicating that the products and systems are in compliance with performance and design criteria indicated. Include list of codes, loads, and other factors used in performing these services.
- C. Schedule of Tests and Inspections: Each testing agency performing tests and inspections shall prepare a schedule for their activities in tabular form and include the following:
 - 1. Specification Section number and title.
 - 2. Description of test and inspection.
 - 3. Identification of applicable standards.
 - 4. Identification of test and inspection methods.
 - 5. Number of tests and inspections required.
 - 6. Time schedule or time span for tests and inspections.
 - 7. Entity responsible for performing tests and inspections.
 - 8. Requirements for obtaining samples.
 - 9. Unique characteristics of each quality-control service.
- D. Reports: Prepare and submit certified written reports that include the following:
 - 1. Date of issue.
 - 2. Project title and number.
 - 3. Name, address, and telephone number of testing agency.
 - 4. Dates and locations of samples and tests or inspections.
 - 5. Names of individuals making tests and inspections.
 - 6. Description of the Work and test and inspection method.
 - 7. Identification of product and Specification Section.
 - 8. Test and inspection results and an interpretation of test results.
 - 9. Ambient conditions at time of sample taking and testing and inspecting.
 - 10. Comments or professional opinion on whether tested or inspected Work complies with the Contract Document requirements.
 - 11. Name and signature of laboratory inspector.
 - 12. Recommendations on retesting and reinspecting.

1.6 QUALITY ASSURANCE

- A. Fabricator Qualifications: A firm experienced in producing products similar to those indicated for this Project and with a record of successful in-service performance, as well as sufficient production capacity to produce required units.
- B. Factory-Authorized Service Representative Qualifications: An authorized representative of manufacturer who is trained and approved by manufacturer to inspect installation of manufacturer's products that are similar in material, design, and extent to those indicated for this Project.
- C. Installer Qualifications: A firm or individual experienced in installing, erecting, or assembling work similar in material, design, and extent to that indicated for this Project, whose work has resulted in construction with a record of successful in-service performance.

- D. Manufacturer Qualifications: A firm experienced in manufacturing products or systems similar to those indicated for this Project and with a record of successful in-service performance.
- E. Professional Engineer Qualifications: A professional engineer who is legally qualified to practice in jurisdiction where Project is located and who is experienced in providing engineering services of the kind indicated. Engineering services are defined as those performed for installations of the system, assembly, or product that are similar to those indicated for this Project in material, design, and extent.
- F. Specialists: Certain sections of the Specifications require that specific construction activities shall be performed by entities who are recognized experts in those operations. Specialists shall satisfy qualification requirements indicated and shall be engaged for the activities indicated.
 - 1. Requirement for specialists shall not supersede building codes and similar regulations governing the Work, nor interfere with local trade-union jurisdictional settlements and similar conventions.
- G. Testing Agency Qualifications: An agency with the experience and capability to conduct testing and inspecting indicated, as documented by ASTM E 548, and that specializes in types of tests and inspections to be performed.

H. Preconstruction Testing: Testing agency shall perform preconstruction testing for compliance with specified requirements for performance and test methods.

- 1. CM/GC responsibilities include the following:
 - a. Provide test specimens and assemblies representative of proposed materials and construction. Provide sizes and configurations of assemblies to adequately demonstrate capability of product to comply with performance requirements.
 - b. Submit specimens in a timely manner with sufficient time for testing and analyzing results to prevent delaying the Work.
 - c. Fabricate and install test assemblies using installers who will perform the same tasks for Project.
 - d. When testing is complete, remove assemblies; do not reuse materials on Project.
- 2. Testing Agency Responsibilities: Submit two certified written reports of each test, inspection, and similar quality-assurance service to Owner, with single copies to Architect and CM/GC. Interpret tests and inspections and state in each report whether tested and inspected work complies with or deviates from the Contract Documents.
- I. Mockups: Before installing portions of the Work requiring mockups, build mockups for each form of construction and finish required to comply with the following requirements, using materials indicated for the completed Work:
 - 1. Build mockups in location and of size indicated or, if not indicated, as directed by Architect.
 - 2. Notify Owner and Architect 14 days in advance of dates and times when mockups will be constructed.
 - 3. Demonstrate the proposed range of aesthetic effects and workmanship.
 - 4. Obtain Owner's approval of mockups before starting work, fabrication, or construction.
 - 5. Maintain mockups during construction in an undisturbed condition as a standard for judging the completed Work.
 - 6. Demolish and remove mockups when directed, unless otherwise indicated.

QUALITY REQUIREMENTS

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1.7 QUALITY CONTROL

- A. Owner Responsibilities: Where quality-control services are indicated as Owner's responsibility, Owner will engage a qualified testing agency to perform these services.
 - 1. Owner will furnish CM/GC with names, addresses, and telephone numbers of testing agencies engaged and a description of the types of testing and inspecting they are engaged to perform.
 - 2. Costs for retesting and reinspecting construction that replaces or is necessitated by work that failed to comply with the Contract Documents will be charged to CM/GC.
- B. CM/GC Responsibilities:
 - 1. Where services are indicated as CM/GC's responsibility, engage a qualified testing agency to perform these quality-control services.
 - a. CM/GC shall not employ the same entity engaged by Owner, unless agreed to in writing by Owner.
 - 2. Notify testing agencies at least 24 hours in advance of time when Work that requires testing or inspecting will be performed.
 - 3. Where quality-control services are indicated as CM/GC's responsibility, submit a certified written report, in duplicate, of each quality-control service.
 - 4. Testing and inspecting requested by CM/GC and not required by the Contract Documents are CM/GC's responsibility.
 - 5. Submit additional copies of each written report directly to authorities having jurisdiction, when they so direct.
- C. Special Tests and Inspections: Owner will engage a testing agency to conduct special tests and inspections required by authorities having jurisdiction as the responsibility of Owner.
 - 1. Testing agency will notify Owner, Architect and CM/GC promptly of irregularities and deficiencies observed in the Work during performance of its services.
 - 2. Testing agency will submit two certified written reports of each test, inspection, and similar quality-control service to Owner, with single copies to Architect, CM/GC and to authorities having jurisdiction.
 - 3. Testing agency will submit a final report of special tests and inspections at Substantial Completion, which includes a list of unresolved deficiencies.
 - 4. Testing agency will interpret tests and inspections and state in each report whether tested and inspected work complies with or deviates from the Contract Documents.
 - 5. Testing agency will retest and reinspect corrected work.
 - D. Manufacturer's Field Services: Where indicated, engage a factory-authorized service representative to inspect field-assembled components and equipment installation, including service connections. Report results in writing.
- E. Retesting/Reinspecting: Regardless of whether original tests or inspections were CM/GC's responsibility, provide quality-control services, including retesting and reinspecting, for construction that revised or replaced Work that failed to comply with requirements established by the Contract Documents.
- F. Testing Agency Responsibilities: Where CM/GC engages testing agency, cooperate with Owner, Architect and CM/GC in performance of duties. Provide qualified personnel to perform required tests and inspections.
 - 1. Notify Owner, Architect and CM/GC promptly of irregularities or deficiencies observed in the Work during performance of its services.

QUALITY REQUIREMENTS

Section 01400-A for BP 5 and 6 – Page 5

- 2. Interpret tests and inspections and state in each report whether tested and inspected work complies with or deviates from requirements.
- 3. Submit a certified written report, in duplicate, of each test, inspection, and similar quality-control service through CM/GC.
- 4. Do not release, revoke, alter, or increase requirements of the Contract Documents or approve or accept any portion of the Work.
- 5. Do not perform any duties of CM/GC.

G. Associated Services: Cooperate with agencies performing required tests, inspections, and similar qualitycontrol services, and provide reasonable auxiliary services as requested. Notify agency sufficiently in advance of operations to permit assignment of personnel. Provide the following:

- 1. Access to the Work.
- 2. Incidental labor and facilities necessary to facilitate tests and inspections.
- 3. Adequate quantities of representative samples of materials that require testing and inspecting. Assist agency in obtaining samples.
- 4. Facilities for storage and field-curing of test samples.
- 5. Preliminary design mix proposed for use for material mixes that require control by testing agency.
- 6. Security and protection for samples and for testing and inspecting equipment at Project site.

H.

. Coordination: Coordinate sequence of activities to accommodate required quality-assurance and qualitycontrol services with a minimum of delay and to avoid necessity of removing and replacing construction to accommodate testing and inspecting.

- 1. Schedule times for tests, inspections, obtaining samples, and similar activities.
- I. Schedule of Tests and Inspections: Each testing agency performing tests and inspections shall prepare a schedule of tests, inspections, and similar quality-control services required by the Contract Documents. Submit schedule within 30 days following award of contract for testing and inspection services.
 - 1. Distribution: Distribute schedule to Owner, CM/GC, Architect, other testing agencies, and each party involved in performance of portions of the Work where tests and inspections are required.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION

3.1 REPAIR AND PROTECTION

- A. General: On completion of testing, inspecting, sample taking, and similar services, repair damaged construction and restore substrates and finishes.
 - 1. Comply with the Contract Document requirements for Division 1 Section "Cutting and Patching" which references Metro's General Conditions.
- B. Protect construction exposed by or for quality-control service activities.
- C. Repair and protection are CM/GC's responsibility, regardless of the assignment of responsibility for quality-control services.

END OF SECTION 01400

QUALITY REQUIREMENTS

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	2050) ZN 1- ROOF DECK @ EL	132 (B-C.1/11.1-17)	3	29JAN02	31JAN02			2050	ZN 1- RODF	F DECK @ EL 132 (B-C.1/11.1-17)		į	
	205	5 ZN 1- ROOF DECK @ EL	132 (B-H/17-22)	4	08FEB02	13FEB02	2		2055	11 ROC	of deck @ el 132 (B-H/17-22)	i	i	
				L			J	•						WE THE
					•		<u>l 1</u>	ΙA.	STOLND	F.E.M.I./	M JIJ A LS OL	N. D. Wale	2.6.1-2003	Carly Constants
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EXHIBIT B pg 1 of 7

	Act ID	Activity Description	0)rig)ur	Early Stort	Early			NEW MARKED DESIGNATION STRENGTON MARKED STRENGT		e			2003	
	2060 z	N 1- ROOF DECK EL 132 (C.1-H/11.1-17)	· · ·	10	0155802	14FEB02	بالسال	, TA	STICL NIND			SELOLENEDI		<u>eM</u> alaAst	_M.J
	2065 z	N 2.1-ERECT COLS/BMS EL108,132 & T12 TRUSS			16.JAN02	21.IAN02	; 	┨──┤	2000	N 2 1 SPECT COL	CK EL 132 (0.1-11/	A T12 TRUSS	<u>_</u>		
	2070 z	N 2.2-ERECT COLS/BMS EL108 & SKLITE PL GIRD/BM	1	3	18JAN02	22.JAN02	1		20000	N 2 - ERECT COL	9/81/2 EI 108 8 5		M I] 	
	2075 z	N 2.3-ERECT COLS/BMS EL108 & 132		4	23.JAN02	28.IAN02			20702 2075]	it a secor co		122	"	1	
	2080 z	N 2.1- PLUMB/ BOLT/ WELD .		3	22.1AN02	24 IANO2	-		1 2080			152		1	
	2085 z	N 2.2- PLUMB/ BOLT/ WELD .		- 3	25JAN02	29.IAN02	1		2084	712.1-2-01.00000					
	2090 z	N 2.3- PLUMB/ BOLT/ WELD		3	30.JAN02	01FFR02			2000	17N 2 2 FLUMB/ B					
	2092 z	N 2- ASSEMBLE TRUSSES		5	29.1AN02	OAFFR02			2050	DN 2. ASSEMDI				ļ	
	2095 z	N 2.4A- ERECT EL 143-160 & T-11 TRUSS		2	0555802	DREEBO2			2002	SIZN 2 44 EPECT	EI 1/3-160 & T-11	TRUSS		i	
	2100 z	N 2.48- ERECT EL 108-160 & T-11 TRUSS			0766802	ORFEBO2		1	1 210		EL 108-180 & T-11	TRUSS			
	2105 z	N 2.4C- ERECT EL 108-160 & T-11 TRUSS		2	1155802	1255802					сці 100-100 ці (-1) Теі 409-180 8 Т-1	1 1000			
	2110 z	N 2.4D- ERECT EL 108-160 & T-12 TRUSS		2	1355802	1465004		ł			TEL 100-100 & 1-1				
	2115 z	N 2.4- PLUMB/ BOLT/ WELD	·····		1255002	1955002	ł	11	21 1			12 INU34		j I	
	2120 z	N 2.5- ERECT ELEV 108-160			4855000	1075004		1	اک بر				1	i	
化管理器	2125 zi	N 2.5- PLUMB/ BOLT/ WFI D		3	DFEDUZ	THREBUZ	ŀ		21	KUIZN 2.5- ERECT	ELEV 108-180			r.	
	2130 Z	N 2- FLOOR DECK FLEV 108		2	201602	22FE802			2	2012N 2.5- PLUM	BOLT/WELD				
	2135 z	N 2- ROOF DECK FLEV 132		-20	JUJANUZ	2676802	<u>.</u>		2130	E PN 2- FLOOR	DECK ELEV 108				
	2140 Z	N 2- FLOOR DECK FLOV 143		10	15-6802	28FE802			21	36 ZN 2 ROOF I	DECK ELEV 132				
	2145 2	V 2- TRUSS PRACE WEIDS & OWISI @ EL 150		20	THFEBU2	18MAR02		ļ	2'	40	OR DECK ELEV 14	3			
	2150 Z		•	10	2876802	11MAR02			2	146,_12N;2- TRUS	S BRACE WELDS	& OWSJ @ EL 16	'		
	2155 ZM	3- ERECT FL 95 108 120 B 133		15	05MAR02	25MAR02				2150 17N 2- RO	OF DECK @ EL 16	0	ii		
	2160 2	3- PLIMB/ BOI T/ WELD		2	207-6802	21FEB02			21	(55)2N 3- ERECT E	EL 95, 108, 120 & 1	32			
	2165 7			2	22FEB02	25FEB02			2	16012N 3-PLUMB/	BOLT/ WELD				
	2167 7			- 3	26FEB02	28FEB02			2	1850ZN 3 OWSJ 8	BRIDGING EL 120	D			
	2170 7			2	26FEB02	27FEB02			2	1670ZN 3 FLOOR	DECK @ EL 95				
	2175 7			2	28FEB02	01MAR02			1	170 ZN 3- FLOOR	DECK @ EL 108				
	2180 75	I 3- POOR DECK @ EL 120		3	04MAR02	06MAR02				217502N 3- FLOOF	R DECK @ EL 120				
	2185 7			6	07MAR02	14MAR02				21800zn 3- ROO	F DECK @ EL 130				
	2187 44			2	07MAR02	08MAR02				218 EIZN B- ROOF	DECK @ EL 132				
	2100 75			3	15FEB02	19FEB02			21	704SSEMBLE SK	YLIGHT TRUSSES				
	2105 75	A PLUMPL POLICIES & EL 132 BMS	.	3	20FEB02	22FEB02			2	POLZN 4- ERECT 8	SKYLITE TRUSS &	EL 132 BMS			
	2200 7			8	25FEB02	04MAR02			2	195, IZN 4- PLUME	BOLT/WELD				
	2205 7			2	05MAR02	06MAR02	•			2200IZN 4- ROOF	DECK @ EL 132		11		
	2205 4			2	22FEB02	25FEB02			. 2	2050ZN 5 ERECT	ELEV 108				
	2210 21	LE DIBLEV DOLTANT DE DALAS		3	26FEB02	28F,EB02			2	210UZN 5 ERECT	ELEV 120 & 132				
	2220 70			2	26FEB02	27FEB02			2	21502N 5 PLUMB	BOLT WELD ELE	V 108		•	
	2226 75	E PLUMB/ BULT/ WELD ELEV 120 & 132		2	01MAR02	04MAR02			1	220 IZN 8- PLUMB	BOLT/ WELD ELE	EV 120 & 132			
	2225 4	PHUXIK DECK ELEV 108		10	04MAR02	15MAR02				2225 ZZN 5- FLOO	R DECK ELEV 108	}			
	<u>.</u>	۰.				1			S. C.I. N. D. J.I 2001	RIMLAIM			<u>JEE</u>	MIAL 2003.	M.
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	10	Activity	Orig	Early	Early		2011			viii ar	Anna
	2230		Dur	Start	Finish ·		ALS TOLL	ILD WIEDER	MIATEN DI GUALES DE L'ALD	J E	MIAIM
	2230	ZN 5- FEDOR DECK @ ELEV 120	3	07MAR02	11MAR02			2230	ZN15- FLOOR DECK @ ELEV 120		
	22/0	ZN 5- DOOS DECK O D CHARD	3	05MAR02	07MAR02			22351Z	N 5- OWBJ & BRIDGING ELEV 120		
	2270		6	15MAR02	22MAR02		-	2240	IZN 5- ROOF DECK @ ELEV 130		
	0050		2	12MAR02	13MAR02			2245	ZN 5- ROOF DECK @ ELEV 132		
	2200	ZN 6- ERECT MOMENT FRAMES	3	20FEB02	22FEB02			225012N	B-ERECT MOMENT FRAMES		
	2292	ZN 7- ASSEMBLE TRUSSES	5	18FEB02	22FEB02		1	2252[]ZN :	7- Assemble trusses		
	2205	2N 7- ERECT & BRACE TRUSSES T7 THRU T10	10	25FEB02	08MAR02		Į	\$255 ,	N 7- ERECT & BRACE TRUSSES TT THRU TIC		•
	.225/	ZN 8- ASSEMBLE TRUSSES	. 3	06MAR02	08MAR02			225/12	n 🖟 Assemblé trusses		
	2260	ZN 8- ERECT TRUSSES TI THRU T3	4	11MAR02	14MAR02			2260L	ZN 8- ERECT TRUSSES TI THRU T3		
	2265	ZN 8- ERECT OWSJ	4	13MAR02	18MAR02			2265	ZN 8- ERECT OWSJ		
	2270	ZN 8- OWSJ BRIDGING	5	19MAR02	25MAR02		. ·	- 2270	CAN 8- OWSJ BRIDGING		
	2275	ZN 8- ROOF DECKING @ ELEV 132	15	26MAR02	15APR02			227	Z ZN 8- ROOF DECKING @ ELEV 132		
	2277	ZN 9- ASSEMBLE TRUSSES	3	12MAR02	14MAR02			2277	ZN & ASSEMBLE TRUSSE6		
	2280	ZN 9- ERECT TI TRUSSES	. 4	15MAR02	20MAR02	1		2280	ZN 8- ERECT TI TRUSSES		
	2282	ZN 9- ERECT COLS/BMS	3	21MAR02	25MAR02			2082	JZN A- ERECT COLS/BMS		
	2285	ZN 9- FRECT OWSI		19MAR02	22MAR02		1	2745	IZN & FRECT OWS I		
	2290	ZN 9- PLUMB/ BOLT/ WELD		26MAR02	28144 202		1	1 4200			
	2295	ZN 9- OWSJ BRIDGING		28144002	2010/01/02		ł	1 4200			
	2300	ZN 9- ROOF DECKING @ ELEV 132	10	04400000	29/04/202		1	1 229:			·
	2305	ZN 9- FLOOR DECK @ ELEV 108	101	20144000			1	1 23			
	2310	ZN 9- ROOF DECK @ ELEV 108 H-R/17-19		29/14/14/2	USAPRUZ			230	BLIZN 9- FLOOR DECK @ ELEV 108		
	[.] 2315	ZN 9- ROOF DECK @ FLEV 132 H-B/17/19	2	1047602	11APR02				STUZN 9- ROOF DECK @ ELEV 108 H-K/1/-19		
			4	JUAPRU2	USMATUZ	2940 Hore			231502N 9- ROOF DECK @ ELEV 132 A-ROT	-191 1	Palentin and Palentin
N											
	5105	ZN 1- FRP SOMD @ 108 B 5-C/(1 1-17	ulikuminnis <u>i</u>			<u> </u>			如何的"CHILLION"的人名英格兰人名	<u>(11)</u>	down man and
	5110	FRP SOMD @ FL 109 B.5-U(17-2) 5	5	29JAN02	04FEB02		Į	5105 ZN 1- F	RP SOMD @ 108 B.5-C/11.1-17		
	5115		5	USFEB02	14F8802		į	- 5110LFRP 8	SOMD @ EL 108 B.5, H/17-21.5	11	
	5120			OTFEB02	11FEB02		i.	5116_JFRP F	ROOFTOP PLANTERS GRID B/11.1-17	11	
	B125		7	14FEB02	22FE802		i	5120LIARP	ROOFTOP PLANTERS LOADING DOCK	1.1	
	5120	EXT WI M STD FOM CDID D FILL 4 (43-108)	3	12FEB02	14FEB02			6125 EXT V	WL M.STD FRM GRID B/11.1-17 (83-108)		
	5135	EXT WI M CTO EDM (2010 B 5 51) 46 (00 40)	3	05FEB02	07FEB02		İ	51300EXT W	L M.STD FRM GRID B.5/11.1-17 (108-132)		
	5100	EVT W M STD EDW CRUD B-P.5/1/-22 (83-108)	5	25FEB02	01MAR02		i	5135DEX	TWL M.STD FRM GRID B-F.5/17-22 (83-108)		
	514U	EDGED AN/2 EC COMD 8/3-4-5/17-21.5 (108-132)	5	15FEB02	21FEB02			51#0D#XT	WL. M.STD FRM GRID 8.5-F.5/17-21.5 (108-132	4)	
	0140 8150	LEDGER ANGLES GRUD B/II.I-17 (83-109)	5	15FEB02	21FEB02			5145Chied	GER ANGLES GRID B/11.1-17 (83-108)		
	0100 E42el	LEDGER ANGLES GRID 8.5/11.1-17 (108-132)	3	06FEB02	12FEB02			61500LEDG	ER ANGLES GRID B.5/11.1-17 (108-132)		
	0105	LEDGER ANGLES GRID B.5-F.5/17-21.5 (108-132)	3	22FEB02	26FEB02		i I	5,650 EC	GER ANGLES GRID B.5-F.8/17-21.5 (108-132)		•
	5160	STAINLESS STL DRAIN LEADERS & SCUPP B/11.1-17	2	19FEB02	20FEB02		ĺ	5 601STAI	NLESS STL DRAIN LEADERS & SCUPP B/11.1	-17	
	5165	LEDGER ANGLES GRID 8-F.5/17-22 (83-108)	8	04MAR02	13MAR02		ł	j516\$⊂]L	EDGER ANGLES GRID 8-F.5/17-22 (83-108)		
	•							LD V. F. F. M	ALM. LIJLA IS COLN. P.	J.I.E.	M.I.A.L.M.
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6170 STARLESS STL DRN LEADERS & SCUPP PF-S/17-22 0 0 down R02 100 mRR02 101 mR 100 mR 10	2003
6175 FRP H58/P PADS & CURBS MECH RM 3950 4 15FEB02 20FEB02 6175 FRP H58/P PADS & CURBS MECH RM 3950 4 15FEB02 20FEB02 6180 211 ROOF BLCKING @ PARAPETS EL 132 4 22FEB02 27FEB02 5180 211 ROOF BLCKING @ PARAPETS EL 132 15 28FEB02 20FEB02 5180 211 ROOF BLCKING @ PARAPETS EL 132 15 28FEB02 20MAR02 5180 211 ROOF BLCKING @ PARAPETS EL 132 15 28FEB02 20MAR02 5180 211 ROOF BLCKING @ PARAPETS EL 132 16 07MAR02 16MAR02 16MAR0	5/17-22 !
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5185 ZN 1- ROOFING ELEV 132 15 ZEFEBO2 20MAR02 5185 ZN 1- ROOFING ELEV 132 5190 FIREPROOFING EL 108 B.5-H/17-21.5 6 07MAR02 14MAR02 5190	
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6195 FIREPROOFING EL 108 b.F-Q'11.1-17 3 15MAR02 19MAR02 5200 ZN 1- ROOF BLCKING @ PARPETS EL 108 4 04MAR02 07MAR02 5200(ZN) - ROOF BLCKING @ PARPETS EL 108 6206 ZN 1- ROOFING EL V 108 6 08MAR02 15MAR02 5200(ZN) - ROOF BLCKING @ PARPETS EL 108 6206 ZN 1- ROOFING EL 83 B-H/17-22 10 15MAR02 28MAR02 520(Z) 1- ROOFING EL 83 B-H/17-22 5216 FIREPROFING EL 83 B-H/17-22 10 15MAR02 28MAR02 521(C) FIREPROOFING EL 83 B-H/17-22 5216 FIREPROFING EL 83 B-H/17-22 10 15MAR02 03APR02 521(C) FIREPROFING EL 83 B-H/17-22 5216 FIREPROFING EL 83 B-F,5/17-22 10 29MAR02 03APR02 522(C) ZN - ROOF BLCKING @ PARPETS EL 108 5225 ALIM WINDOW/DR FRM EL 83 B/11.1-17 3 04APR02 08APR02 523(L) WINDOW/DR FRM EL 38 B/11.1-17 5236 GYP SHEATHING/ TYPEK EL 108-132 B.5/11.21 3 29MAR02 523(L) WINDOW/DR FRM EL 108 B.5/11.21 5240 GYP SHEATHING/ TYPEK EL 108-132 B.5/11.21 3 29MAR02 523(L) WINDOW/DR FRM EL 108 B.5/11.21	
5200 2N I-ROOF BLOONS @ PARAPETS EL 108 4 04MAR02 07MAR02 5200 2N I-ROOF BLOONS @ PARAPETS EL 108 4 04MAR02 07MAR02 5200[2N] - ROOF BLOKING @ PARAPETS EL 108 5205 ZN I-ROOF BLOKING @ PARAPETS EL 108 6 08MAR02 15MAR02 5200[2N] - ROOF BLOKING @ PARAPETS EL 108 5210 FREPROOFING EL 83 B-H/17-22 10 15MAR02 28MAR02 5210[]] FREPROOFING EL 83 B-H/17-22 5216 FREPROOFING EL 83 B-F.5/17-22 10 29MAR02 03APR02 5210[]] FREPROOFING EL 83 B-F.5/17-22 10 29MAR02 11APR02 5220[] GYP SHEATHING/ TYVEK EL 83 B-F.5/17-22 10 29MAR02 5221[] FREPROOFING EL 83 B-F.5/17-21 5230[] GYP SHEATHING/ TYVEK EL 83 B-F.5/17-21.5 10 15MAR02 5240[] GYP SHEATHING/ TYVEK EL 83 B-F.5/17-21.5 10 15MAR02 5240[] GYP SHEATHING/ TYVEK EL 108-132 B.5/11.1-17 5240[] GYP SHEATHING/ TYVEK EL 108-132 B.5/11.1-17 5240[] GYP SHEATHING/ TYVEK EL 108-132 B.5/1.1-17 5240[] GYP SHEATHING/ TYVEK EL 108-132 B.5/1.1-17	
S205 ZN 1- ROOFING ELEV 108 G OMMAR02 15MAR02 S20ELX 1- ROOFING ELEV 108 6210 FIREPROOFING EL 33 B-H/17-22 10 15MAR02 26MAR02 25MAR02 252MAR02 252MAR02 252MAR02 252MAR02 252SMAR02 252SMA	
6210 FREPROOFING E. 83 B-H/17-22 10 15MAR02 28MAR02 5216 FREPROOFING E. 83 B-H/17-22 10 15MAR02 03APR02 121B/FREPROOFING E. 83 B-H/17-22 5216 FREPROOFING E. 83 B-H/17-22 10 29MAR02 03APR02 121B/FREPROOFING E. 83 B-C/11.1-17 5220 GYP SHEATHING/ TYVEK E. 83 B-F.5/17-22 10 29MAR02 11APR02 1522E/LALUM WINDOW/DR FRM EL 83 B/11.1-17 5230 GYP SHEATHING/ TYVEK E. 83-108 B/11.1-17 3 04APR02 19APR02 523C/LGYP SHEATHING/ TYVEK EL 83 B/11.1-17 5240 GYP SHEATHING/ TYVEK E. 108-132 B.5-F.5/17-21.5 10 15MAR02 28MAR02 523C/LGYP SHEATHING/ TYVEK EL 108-132 B.5/11.1-17 5246 GYP SHEATHING/ TYVEK EL 108-132 B.5/11.1-17 3 20MAR02 05APR02 524C/LGYP SHEATHING/ TYVEK EL 108-132 B.5/11.2-17 5255 EXP JTS/W, RASH 108-132 B.5/11.1-17 8 29MAR02 05APR02 525C/LGYP SHEATHING/ TYVEK EL 108-132 B.5/11.2-17 5260 EXP JTS/W, RASH 108-132 B.5/11.2-17 8 29MAR02 02APR02 525C/LGYP SHEATHING/ TYVEK EL 108-132 B.5/11.2-17 5260 EXP JTS/W, RASH 83-108 B/11.1-17 <td></td>	
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6210 FLT	
10 29MAR02 11APR02 11APR02 5225 ALIM WINDOW/DR FRM EL 83 B/11.1-17 3 04APR02 08APR02 5230 GYP SHEATHING/ TYVEK EL 83-108 B/11.1-17 6 12APR02 19APR02 5235 ALUM WINDOW/DR FRM EL 108 B.5/11.1-17 6 12APR02 22MAR02 5230///22MAR02 5240 GYP SHEATHING/ TYVEK EL 108-132 B.5/11.1-17 3 20MAR02 28MAR02 5230///22MAR02 5240 GYP SHEATHING/ TYVEK EL 108-132 B.5/17-21.5 10 15MAR02 28MAR02 5240///22MAR02 5240///22MAR02 5240 GYP SHEATHING/ TYVEK EL 108-132 B.5/11.1-17 8 29MAR02 05APR02 5240///22MAR02 5240///22MP SHEATHING/ TYVEK EL 108-132 B.5/17-21.5 5250 EXP JTS/ WL RASH 108-132 B.5/17-21.5 3 29MAR02 05APR02 5250///22MP SHEATHING/ TYVEK EL 108-132 B.5///7-21 5260 EXP JTS/ WL RASH 108-132 B.5/17-21.5 3 29MAR02 02APR02 5250///22MP SHEATHING/ TYVEK EL 108-132 B.5///7-21 5260 EXP JTS/ WL RASH 108-132 B.5///7-21.5 3 29MAR02 02APR02 5250///22MP SHEATHING/ TYVEK EL 108-132 B.5///7-21 5260 EXP JTS/ WL RASH 83-108 B////22 3 <t< td=""><td>-22</td></t<>	-22
S220 ALIM WINDOW/DR HM EL 39 9/11:17 3 04APR02 05APR02 052404000 Windowidt HM EL 39 9/11:17 5230 GYP SHEATHING/ TYVEK EL 83-108 8/11,1-17 6 12APR02 19APR02 52304000 5230400000000000000000000000000000000000	
S230 GTP SHEATHING/ TYPER EL 8F-108 B/11,1-17 G 12APR02 19APR02 5235 ALUM WINDOW/DR FRM EL 108 B.5/11,1-17 3 20MAR02 22MAR02 5235IALUM WINDOW/DR FRM EL 108 B.5/11,1-17 5240 GTP SHEATHING/ TYPEK EL 108-132 B.5/F.5/17-21.5 10 15MAR02 28MAR02 5240 GYP SHEATHING/ TYPEK EL 108-132 B.5/F.5/17-21.5 5240 GYP SHEATHING/ TYPEK EL 108-132 B.5/F.5/17-21.5 10 15MAR02 28MAR02 5240 GYP SHEATHING/ TYPEK EL 108-132 B.5/F.5/17-21.5 5250 EXP JTS/ WL FLASH 108-132 B.5/F.5/17-21.5 3 29MAR02 05APR02 5250 EXP JTS/ WL FLASH 108-132 B.5/F.5/17-21.5 5260 EXP JTS/ WL FLASH 108-132 B.5/F.5/17-21 2 08APR02 09APR02 5250 EXP JTS/ WL FLASH 108-132 B.5/F.5/17-21 5260 EXP JTS/ WL FLASH 83-108 B/11.1-17 2 08APR02 09APR02 5260 EXP JTS/ WL FLASH 83-108 B/11.1-17 5260 EXP JTS/ WL FLASH 83-108 B/11.1-17 2 22APR02 23APR02 5260 EXP JTS/ WL FLASH 83-108 B/11.1-17 5270 BRICKWORK EL 108-132 B.5/F.5/17-21.5 15 03APR02 23APR02 5260 EXP JTS/ WL FLASH 83-108 B/11.1-17 5270 BRICKWORK EL 108-132 B.5/F.5/17-21.5 15 03APR02 23APR02 5276 BRICKWORK EL 108-132 B.5/F.5/17-21.	1.1.17
5235 ALUM WINDOW/DR HM E, 108 8.5/11.1-17 3 20MAR02 22MAR02 52354.0 M WINDOW/DR HM EL 108 0.5/11.1-17 5240 GYP SHEATHING/ TYVEK EL 108-132 8.5-F.5/17-21.5 10 15MAR02 28MAR02 5240 BYP SHEATHING/ TYVEK EL 108-132 8.5-F.5/17-21.5 5245 GYP SHEATHING/ TYVEK EL 108-132 8.5/11.1-17 8 29MAR02 05APR02 5240 BYP SHEATHING/ TYVEK EL 108-132 8.5-F.5/17-21.5 5250 EXP JTS/ WL FLASH 108-132 8.5/11.1-17 8 29MAR02 02APR02 5250 EXP JTS/ WL FLASH 108-132 8.5/11.1-17 5260 EXP JTS/ WL FLASH 108-132 8.5/17-22 3 12APR02 16APR02 5260 EXP JTS/ WL FLASH 83-108 8-F.5/17-22 5265 EXP JTS/ WL FLASH 83-108 B/11.1-17 2 22APR02 23APR02 5260 EXP JTS/ WL FLASH 83-108 B/11.1-17 5270 BRICKWORK EL 108-132 B.5-F.5/17-21.5 15 03APR02 23APR02 5270 BRICKWORK EL 108-132 B.5-F.5/17-21.5 5275 BRICKWORK EL 108-132 B.5-F.5/17-21.5 10 24APR02 07MAY02 5280 EXP JTS/ WL FLASH 83-108 B/11.1-17 5275 BRICKWORK EL 108-132 B.5-F.5/17-21.5 10 28DEC01 14 14 M02 5280 EXP JTS/ WL FLASH 83-108 APT12.4.1.1-17	
5240 GYP SHEATHING/ TYVEK EL 108-132 B.5-F.5/17-21.5 10 15MAR02 28MAR02 5240 <td>5/17/01 8</td>	5/17/01 8
5246 GYP SHEATHING/ TYVEK EL 108-132 B.5/11.1-17 6 29MAR02 05APR02 5246, GYP SHEATHING/ TYVEK EL 108-132 B.5/E.5/17-21.5 5250 EXP JTS/ WL FLASH 108-132 B.5/F.5/17-21.5 3 29MAR02 02APR02 5250(EXP JTS/ WL FLASH 108-132 B.5/F.5/17-21.5 5250(EXP JTS/ WL FLASH 108-132 B.5/F.5/17-21.5 5255(EXP JTS/ WL FLASH 108-132 B.5/F.5/17-22 5250(EXP JTS/ WL FLASH 108-132 B.5/F.5/17-22 5250(EXP JTS/ WL FLASH 108-132 B.5/F.5/17-22 5260(EXP JTS/ WL FLASH 108-132 B.5/F.5/17-22 5260(EXP JTS/ WL FLASH 108-132 B.5/F.5/17-22 5260(EXP JTS/ WL FLASH 83-108 B/F.5/17-22 5265 EXP JTS/ WL FLASH 83-108 B/11.1-17 2 22APR02 23APR02 5260(EXP JTS/ WL FLASH 83-108 B/11.1-17 5270 BRICKWORK EL 108-132 B.5/F.5/17-21.5 15 03APR02 23APR02 5270(III) 5270(IIII) 5270(III) 5270(IIII) 5270(IIII) 5270(IIII)	4 4 47
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5255 EXP JTE/ WL PLASH 108-132 B.5/11.1-17 2 08APR02 09APR02 09APR02 52550 EXP JTS/ WL FLASH 108-132 B.5/17.1-17 5260 EXP JTE/ WL FLASH 83-108 B-F.5/17-22 3 12APR02 16APR02 5260 EXP JTS/ WL FLASH 83-108 B-F.5/17-22 5265 EXP JTS/ WL FLASH 83-108 B/11.1-17 2 22APR02 23APR02 5260 EXP JTS/ WL FLASH 83-108 B/11.1-17 5270 BRICKWORK EL 108-132 B.5-F.5/17-21.5 15 03APR02 23APR02 5270 ERICKWORK EL 108-132 B.5-F.5/17-21.5 5275 BRICKWORK EL 108-132 B.5-F.5/17-21.5 10 24APR02 07MAY02 5280 ERICKWORK EL 108-132 B.5/F.5/17-21.5 5260 BRICKWORK EL 108-132 B.5/F.5/17-21.5 10 24APR02 07MAY02 5280 ERICKWORK EL 108-132 B.5/F.5/17-21.5 52760 BRICKWORK EL 108-132 B.5/F.5/17-21.5 10 24APR02 07MAY02 5280 ERICKWORK EL 108-132 B.5/F.5/17-21.5 5260 BRICKWORK EL 108-132 B.5/F.5/17-21.5 10 24APR02 07MAY02 5280 ERICKWORK EL 108-132 B.5/F.5/17-21.5 5260 BRICKWORK EL 08-512 B.5/F.5/F.5/F.5/F.5/F.5/F.5/F.5/F.5/F.5/F	
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5275 BRICKWORK EL 108-132 B.5/11.1-17 10 24APR02 07MAY02 5280 BRICKWORK EL 108-132 B.5/11.1-17	5
5285 BRICKWORK EL 83-108 B-F.5/17-22 15 24APR02 14MAY02 5285 BRICKWORK EL 83-108 B-F.5/17-22	
5290 BRICKWORK EL 59-108 B/11,1-17 15 15MAY02 05JUN02 5290 BRICKWORK EL 59-108 B/11.1-1	7
5295 BRICKWORK @ SITE STAIR S-2 5 08JUN02 12JUN02 5295 BRICKWORK @ SITE STAIR S-	2
6100 ZN 2- UNDERSLAB PLUMBING ELEV 83 . 8 27FEB02 08MAR02 6100 ZN 2- UNDERSLAB PLUMBING ELEV 83	
6105 ZN 2- FRP SOG/ TOPPING EL 83 (AREA 22823) 20 11MAR02 05APR02 6105 ZN 2- FRP SOG/ TOPPING EL 83 (AREA 2	2823)
6110 ZN 2- FRP SOMD © 108 (A-H/ 1-11.1) 15 27FEB02 19MAR02 6110 24 2- FRP SOMD @ 108 (A-H/ 1-11.1)	
6115 ZN 2- FRP SOMD @ 143 (A-H/ 1-11.1) 15 19MAR02 08APR02 6115 ZN 2- FRP SOMD @ 143 (A-H/ 1-11.1)	
6120 ZN 2- FIREPROOFING @ EL 83 (A-H/ 1-11.1) 10 08APR02 19APR02 94 612	11.1)
6125 ZN 2- EXTR MTL STD FRM EL 83-132 (A+H/ 1/11.1) 15 20MAR02 09APR02 6125 ZN 2- EXTR MTL STD FRM EL 83-132 (A-H	H/ 1/11.1)
6130 ZN 2- LEDGER ANGLES EL 83-132 (A-H/ 1-11.1) 10 29MAR02 11APR02 5130 ZN 2- LEDGER ANGLES EL 83-132 (A-H/	1-11.1)
6135 ZN 2- GYP SHEATHING/ TYVEK EL 83-132 (A-H/ 1-11) 20 05APR02 02MAY02 6135 ZN 2- GYP SHEATHING/ TYVEK EL 83	3-132 (A-H) 1-11)
6140 ZN 2- CURTAINWALL/GLAZING EL 83-132 40 19APR02 14JUN02 640 20 20 20 20 20 20 20 20 20 20 20 20 20	∋EL88-132
6145 ZN 2- EXP JTS/ WL FLASHING EL 83-132 10 05JUN02 18JUN02 18JUN02 6146 ZN 2- EXP JTS/ WL FLASHING	EL 88-132
6150 ZN 2- BRICKWORK EL 83-132 60 19JUN02 128EP02 6150	RK EL 83-132
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Ac	Activity	Orig	Early	Early	2004	2003
D ID	Description	Dur	Start	Finish	JASONDJ	E. M. A. M. J. J. A. S. O. N. D. J. F. M. A. M. J. J.
	6155 ZN 2- EXTR MTL STD FRMG/ SHEATHING EL 132-146	5	09APR02	15APR02		1 6155LZN 2- EXTRIMILISTID FRMG/ SHEATTING LEVEL
	8160 ZN 2- ROOF BLOCKING @ PARAPETS EL 132	Б	16APR02	22APR02		6160LZN 2- ROOF BLOCKING @ PARAPETO LE TOP
	8165 ZN 2- ROOFING	Б	23APR02	29APR02		6165LZN 2- ROOFING
	6170 ZN 2- FIREPROOFING @ 108	20	30APR02	28MAY02		6170ZN 2- FIREPROOFING @ 105
	6175 ZN 4- MTL STD FRMG/ SHEATH @ SKYLITE BASE	3	07MAR02	11MAR02		6175 IZN 4- MTL STD FRMG/ SHEATH @ SKTETE 5/102
	6180 ZN 4- ROOF BLOCKING EL 132	2	12MAR02	13MAR02		6180/ZN 4- ROOF BLOCKING EL 132
	6185 ZN 4- ROOFING @ EL 132	4	21MAR02	26MAR02		61851ZN 4- ROOFING @ EL 134
	6190 ZN 4- VERTICAL CURTAINWALL/ GLAZE @ SKYLIGHT	20	27MAR02	23APR02		6190 UZN 4- VERTICAL CURTAINWALL OUT & THE
	6195 zn 4- Sloped Glazing @ Skylight	30	10APR02	21MAY02		
	6200 ZN 2- CURTAINWL/ GLAZING @ EL 146-160	25	14MAY02	18JUN02		1 6200 ZN 2- CORTAINWE GLALING & LI
	6205 ZN 2- ROOF BLOCKING @ EL 160	5	26MAR02	01APR02		6205LIX 2- ROOF BLOCKING & EL 160
	6210 ZN 2- ROOFING @ EL 160	10	02APR02	15APR02		16210_ZN 2- ROUFING @ EL 100
	6215 ZN 2- FRP HSKPG PADS- MECH RM @ 143	5	09APR02	15APR02		6216LZN 2- FRP HSKPG PADS- MEON KM & TH
	6220 ZN 2- FIREPROOFING @ 143	20	16APR02	13MAY02		
	6225 ZN 2- SET AHU'S @ MECH RM @ 143	7	14MAY02	22MAY02		6225 JZN 2- SET AHUS @ MECH RM @ 140 1 1
	6230 ZN 2- CLOSE TEMP ROOF ACCESS OPN'G @ 160 MECH RM	7	23MAY02	03JUN02		6230 ZN 2- CLOSE TEMP ROOF ACCESS ON O G 160 M.RM
	6235 ZN 2- FIREPROOF @ TEMP ACCESS OPNG @ 160 M.RM	3	04JUN02	06JUN02		6235IZN 2+ FIREPROOF @ TEMP ACCESS OF TO G
	7010 ZN 3/5- UNDERGROUND PLUMBING	12	18MAR02	02APR02		7010 ZN 3/5- UNDERGROUND PLUMBING
	7015 ZN 3- FRP SOG EL 83/95	8	22MAR02	02APR02		7015 ZN 3- FRP SOG EL 83/95
	7020 ZN 5- FRP SOG EL 83	8	03APR02	12APR02		7020 ZN 5- FRP SOG EL 83
	7025 ZN 3+ FRP SOMD @ EL 95	4	04MAR02	07MAR02		7026IZN 3- FRP SOMD @ EL 95
	7035 ZN 3- FRP SOMD @ EL 108	8	08MAR02	19MAR02		7035 ZN 3- FRP SOMD @ EL 108
	7040 ZN 5- FRP SOMD @ EL 108	8	25MAR02	03APR02		7040 ZN 5- FRP SOMD @ EL 108
	7045 ZN 5- FRP SOMD @ EL 120	4	04APR02	09APR02		17040 ZN 5- FRP SOMD @ EL 120
	7050 ZN 3- MTL STD FRMG/ SMEATHG @ PARAPETS 130	4	15MAR02	20MAR02		705002N 3- MTL STD FRMG/ SHEATHG @ PARAPETS 130
	7055 ZN 5- MTL STD FRMG/ SHEATHG @ PARAPETS 130	4	21MAR02	26MAR02		706512N 5- MTL STD FRMG/ SHEATHG @ PARAFETS 100
	7065 ZN 3- FIREPROOFING @ EL 83	3	03APR02	05APR0		1706ELZN 3- FIREPROOFING @ EL 83
	7070 ZN 3- FIREPROOFING @ EL 95	6	08APR02	15APRO		1 7070 IZN 3- FIREPROOFING @ EL 95
	7075 ZN 3- FIREPROOFING @ EL 108	8	16APR02	25APRO	2	7075 IZN 3- FIREPROOFING @ EL 108
	7080 ZN 5- FIREPROOFING @ EL 83	7	15APR02	23APRO	2	70BOLIZN 5- FIREPROOFING @ EL 63
	7085 ZN 5- FIREPROOFING @ EL 108	8	26APR02	07MAY0	2	7085_ZN 5- FIREPRODUNG @ EL 100
	7087 ZN 5- FIREPROOFING @ EL 120	6	08MAY02	15MAY0	2	7087LIZN 5- FIREPROOFING @ EL 120
	7090 ZN 3- ROOF BLOCKING @ PARPAPETS	2	21MAR02	22MAR0	2	7090IZN 3- ROOF BLOCKING @ FARFAFEIS
	7095 ZN 3- ROOFING @ EL 130	E	25MAR02	29MAR0	2	70951ZN 3- ROOFING @ EL 130
	7100 ZN 5- ROOF BLOCKING @ PARAPETS EL 130	E	27MAR02	02APR0	2	7100LIZN 5- ROOF BLOCKING (PARAPETO LO TO
	7105 ZN 5- ROOFING @ EL 130	5	03APR02	09APR0	2	1 17105 JZN 5- ROOFING @ EL 130
	7110 ZN 5- ROOF BLOCKING @ PARPAPETS EL 132	2	03APR02	04APRO	2	1 17110ZN 5- ROOF BLOCKING @ PARPAILETO LE TOL
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	Act	Activity	Orla	Early	Early	551 IU		1-1-51	
	ID	Description	Dur	Start	Finish	TY D	S DOL NI D LAS	F	MLA MILLER MAILSCOLNINDI BLER MEALMIEL N.
	7115 zn 5- roofing @	EL 132	3	10APR02	12APR02				71150ZN 5- ROOFING @ EL 132
	7120 ZN 5- MASONRY PA	RAPET @ EL. 130-134 .	5	13SEP02	19SEP02				712012N 5- MASONRY PARAPET @ EL 130-134
	7125 ZN 3- MASONRY SC	REENWALL @ FL 130-134	5	20SEP02	26SEP02				7125 ZN 3- MASONRY SQREENWALL @ EL 150-154
	7130 ZN 3- METAL PANE	LS @ SCREENWALL EL, 130-134	5	275EP02	03OCT02		ZN 3- METAL PANELS	@ 80	CREENWALL EL 130-134 7130
	7135 ZN 3- CURTAINWA	LL/ GLAZING/ METAL PANELS	40	26APR02	21JUN02				7/135IZN 3- CURTAINWALL/ GLAZING/ METAL PANELS
	7140 ZN 3- ORNAMENTA	L IRON CANOPIES	10	24JUN02	08JUL02				7140 ZN 3- ORNAMENTAL IRON CANOPIES
	7145 ZN 3- PAINT CANO	PIES	15	09JUL02	29JUL02				7145 ZN 3- PAINT CANOPIES
	7150 ZN 3- GLAZE CANC	PIES	20	30JUL02	26AUG02				7150 ZN 3- GLAZE CANOPIES
	7155 ZN 5- CURTAINWA	LL/ GLAZING/ METAL PANELS	40	24JUN02	19AUG02				7155ZN 5- CURTAINWALLI GLAZINGI METAL PANCED
	7160 ZN 5- ORNAMENTA	L IRON CANOPIES	10	20AUG02	03SEP02		•		7160 ZN 5- ORNAMENTAL IRON CANOPIES
	7185 ZN 5- PAINT CANO	PIES ·	15	04SEP02	24SEP02				7165 ZN 5- PAINT CANORIES
	7170 ZN 5- GLAZE CANC	PIES	20	25SEP02	22OCT02	.]			7170 ZN 5- GLAZE CANOPles
	8005 ZN 8- PARAPET/ E	(JT FRMING & SHEATHING @ 132	7	16APR02	24APR02				BODS IZN 8- PARAPETI EX JT FRMING & SHEATHING @ 132
	8010 ZN 8- ROOF BLOO	ang @ El. 132	5	25APR02	01MAY02				EDICIZN 8- ROOF BLOCKING @ EL 132
	8015 ZN & ROOFING O	EL 132	15	02MAY02	22MAY02			i i	BO15 ZN 8- ROOFING @ EL 132
	8105 ZN 9- PARAPET/ E	(JT FRMING & SHEATHING @ 132	7	25APR02	03MAY02		•	i i	8105 ZN 8- PARAPETI EX JT FRMING & SHEATHING @ 132
	B110 ZN 9- ROOF BLOCK	ang @ EL 132	5	06MAY02	10MAY02			i - i	8110UZN 8- ROOF BLOCKING @ EL 132
	8115 ZN 9- ROOFING @	E. 132	15	23MAY02	13,0002				8115 ZN 8- ROOFING @ EL 132
	8505 ZN 8- UNDERGROU	IND PLUMBG EXHIBIT DZ	10	16APR02	29APR02				8505 ZN 8- UNDERGROUND PLUMBG EXHIBIT D2
	8510 ZN 8- SET PRECAS	T FLR BOXES EXHIBIT D2	5	16APR02	22APR02				851012N 8- SET PRECAST FLR BOXES EXHIBIT D2
	8515 ZN 8- UNDERSLAB	ELECTRICAL EXHIBIT D2	10	23APR02	06MAY02				8515 IZN 8- UNDERSLAB ELECTRICAL EXHIBIT D2
	8520 ZN 8- FRP 50G/ TO	OPPING SLAB EXHIBIT D2	16	30APR02	21MAY02				8520 ZN 8- FRP BOG/ TOPPING BLAB EXHIBIT D2
	9005 ZN 9- UNDERGROU	IND PLUMBG EXHIBIT D1	10	30APR02	13MAY02				9005 ZN 9- UNDERGROUND PLUMBG EXHIBITIDI T
	9010 ZN 9- SET PRECAS	T FLOOR BOXES EXHIBIT DI	5	30APR02	06MAY02				9010 ZN 9- SET PRECAST FLOOR BOXES EXHIBIT DI
	9015 ZN 9- UNDERGROU	IND PLUMBG LOADING DOCK	5	14MAY02	20MAY02				9015 IZN 9- UNDERGROUND PLUMBG LOADING BUCK
	9020 ZN 9- UNDERSLAB	ELECTRICAL EXHIBIT D1	10	07MAY02	20MAY02		i	i. i	9020 JZN & UNDERSLAB ELECTRICAL EXHIBIT D
	9025 ZN 9- UNDERSLAB	ELECTRICAL LOADING DOCK	5	21MAY02	28MAY02				9025 DAN 9- UNDERSLAB ELECTRICAL LOADING DOOR
	9030 ZN 9- FRP 50G/ T	OPPING SLAS EXHIBIT D1	16	22MAY02	13JUN02				9030 ZN 9- FRP SOG/TOPPING SLAB EXTINI
	9035 ZN 9- FRP TILTUP	PANELS LOADING DOCK	10	21MAR02	03APR02			Ð	DIE ZN 8- FRP TILTUP PANELB LOADING DOCK
	9040 ZN 9- ERECT TILT	UP PANELS LOADING DOCK	4	04APR02	· 09APR02			1	9040ZN 9- ERECT TILTUP PANELS LOADING DOCH
	9045 ZN 9- FRP 50G LC	ADING DOCK	4	14JUN02	19JUN02				9045JZN 9- FRP BOG LOADING DOCK
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EXHIBIT B

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Project ____

Contract No.

PERSONAL SERVICES AGREEMENT

THIS AGREEMENT is entered into between the Metropolitan Exposition-Recreation Commission (MERC), whose address is P.O. Box 2746, Portland, Oregon 97208 and governing body for ______ located at ______ and

*		•
whose	address	15

hereinafter referred to as the "CONTRACTOR."

In exchange for the promises and other consideration set forth below, the parties agree as follows:

Duration	
This personal services agreement shall be effective	and shall
remain in effect until and including	, unless
terminated or extended as provided in this Agreement.	

Scope of Work

CONTRACTOR shall provide all services and materials specified in the attached "Exhibit A — Scope of Work," which is incorporated into this Agreement by reference. CONTRACTOR, in accordance with the Scope of Work, shall provide all services and materials in a competent and professional manner.

Payment []

MERC shall pay CONTRACTOR for services performed and materials delivered in the amount(s), manner and at the time(s) specified in the Scope of Work for a maximum sum not to exceed _______THOUSAND ______HUNDRED AND ______DOLLARS (\$______)

<u>Insurance</u>

CONTRACTOR shall push and maintain at CONTRACTOR'S expense, the following types of insurance covering the CONTRACTOR, its employees and agents.

- A. Broad form comprehensive general liability insurance covering personal injury, property damage, and bodily injury with automatic coverage for premises and operation and product liability. The policy must be endorses with contractual liability coverage.
- B. Automobile bodily injury and property damage liability insurance. Insurance coverage shall be a minimum of \$500,000 per occurrence. If coverage is written with an aggregate limit, the aggregate limit shall not be less than \$1,000,000: <u>MERC its elected officials</u>, <u>departments, employees</u>, and agents shall be named as an ADDITIONAL INSURED. Notice of any material change or policy cancellation shall be provided to MERC thirty (30) days prior to the change.

7-8 6/23/98

Project

Contract No.

This insurance as well as all workers' compensation coverage for compliance with ORS 656.017 must cover CONTRACTOR'S operations under this Contract, whether such operations be by CONTRACTOR or by any subcontractor or anyone directly or indirectly employed by either of them.

CONTRACTOR shall provide MERC with a certificate of insurance complying with this article and naming MERC as an additional insured within fifteen (15) days of execution of this Contract or twenty-four (24) hours before services under this Contract commence, whichever date is earlier.

CONTRACTOR shall not be required to provide the liability insurance described in this Article only if an express exclusion relieving CONTRACTOR of this requirement is contained in the Scope of Work.

Indemnification

CONTRACTOR shall indemnify and hold MERC, its agents, employees, and elected officials harmless from any and all claims, demands, damages, actions, losses and expenses, including attorney's fees, arising out of or in any way connected with its performance of this Agreement, or with any patent infringement or copyright claims arising out of the use of CONTRACTOR'S designs or other materials by MERC and for any claims or disputes involving subcontractors.

Maintenance of Records

CONTRACTOR shall maintain all of its records relating to the Scope of Work on a generally recognized accounting basis and allow MERC the opportunity to inspect and/or copy such records at a convenient place during normal business hours. All required records shall be maintained by CONTRACTOR for three years after MERC makes final payment and all other pending matters are closed.

Ownership of Documents

All documents of any nature including, but not limited to, reports, drawings, works of art and photographs, produced by CONTRACTOR pursuant to this Agreement are the property of MERC, and it is agreed by the parties that such documents are works made for hire. CONTRACTOR hereby conveys, transfers, and grants to MERC all rights of reproduction and the copyright to all such documents.

Project Information

CONTRACTOR shall share all project information and fully cooperate with MERC, informing MERC of all aspects of the project including actual or potential problems or defects. CONTRACTOR shall abstain from releasing any information or project news without the prior and specific written approval of MERC.

7-9 6/23/98

Project ____

Contract No.

Independent Contractor Status

CONTRACTOR shall be an independent CONTRACTOR for all purposes and shall be entitled only to the compensation provided for in this Agreement. Under no circumstances shall CONTRACTOR be considered an employee of MERC. CONTRACTOR shall provide all tools or equipment necessary to carry out this Agreement, and shall exercise complete control in achieving the results specified in the Scope of Work. CONTRACTOR is solely responsible for its performance under this Agreement, the quality of its work, for obtaining and maintaining all licenses and certifications necessary to carry out this Agreement, for payment of any fees, taxes, royalties, or other expenses necessary to complete the work except as otherwise specified in the Scope of Work, and for meeting all other requirements of law in carrying out this Agreement. CONTRACTOR shall identify and certify tax status and identification number through execution of IRS form W-9 prior to submitting any request for payment to MERC.

Right to Withhold Payments

MERC shall have the right to withhold from payments due to CONTRACTOR such sums as necessary, in MERC's sole opinion, to protect MERC against any loss, damage, or claim which may result from CONTRACTOR'S performance or failure to perform under this Agreement or the failure of CONTRACTOR to make proper payment to any suppliers or subcontractors.

State and Federal Law Constraints

Both parties shall comply with the public contracting provisions of ORS chapter 279, and the recycling provisions of ORS 279.545 - 279.650, to the extent those provisions apply to this Agreement. All such provisions required to be included in this Agreement are incorporated herein by reference. CONTRACTOR shall comply with all applicable requirements of federal and state civil rights and rehabilitation statutes, rules and regulations including those of the Americans with Disabilities Act.

Situs

The situs of this Agreement is Portland, Oregon. Any litigation over this agreement shall be governed by the laws of the State of Oregon and shall be conducted in the Circuit Court of the state of Oregon for Multnomah County, or, if jurisdiction is proper, in the U.S. District Court for the District of Oregon.

Assignment

This Agreement is binding on each party, its successors, assigns, and legal representatives and may not, under any circumstance, be assigned or transferred by either party.

Termination

This Agreement may be terminated by mutual consent of the parties. In addition, MERC may terminate this Agreement by giving CONTRACTOR written notice of intent to terminate, without waiving any claims or remedies it may have against CONTRACTOR. Termination shall not excuse payment for expenses properly incurred prior to notice of termination, but neither party shall be liable for indirect or consequential damages arising from termination under this section.

7-10 6/23/98

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7-11 6/23/98

Project

Contract No.

No Waiver of Claims

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The failure to enforce any provision of this Agreement shall not constitute a waiver by MERC of that or any other provision.

Modification

Notwithstanding and succeeding any and all prior agreement(s) or practice(s), this Agreement constitutes the entire Agreement between the parties, and may only be expressly modified in writing(s), signed by both parties.

·	Metropolitan Exposition-Recreation Commission					
By	Ву					
Title	Title					
Date	Date					

Exhibit D: Special Inspection Program Requirements

SPECIAL INSPECTION PROGRAM"

ESTABLISHED PER 1997 UBC SECTION 106, 108 & CHAPTER 17

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PROGRAM FOOTNOTES:

- THE ITEMS CHECKED WITH AN "X" SHALL BE INSPECTED IN ACCORDANCE WITH UBC CHAPTER 17 BY A CERTIFIED SPECIAL INSPECTOR FROM AN ESTABLISHED TESTING AGENCY, FOR MATERIAL SAMPLING AND TESTING REQUIREMENTS, REFER TO THE MATERIAL SAMPLING AND TESTING SECTION, THE PROJECT SPECIFICATIONS AND THE SPECIFIC GENERAL NOTES SECTIONS. THE TESTING AGENCY SHALL SEND COPIES OF ALL STRUCTURAL TESTING AND INSPECTION REPORTS DIRECTLY TO THE ARCHITECT, ENGINEER, CONTRACTOR AND BUILDING OFFICIAL ANY MATERIALS WHICH FAIL TO MEET THE PROJECT SPECIFICATIONS SHALL IMMEDIATELY BE BROUGHT TO THE ATTENTION OF THE ARCHITECT, SPECIAL INSPECTION TESTING REQUIREMENTS APPLY EQUALLY TO ALL BIDDER DESIGNED COMPONENTS. 1.
- SPECIAL INSPECTION IS NOT REQUIRED FOR WORK PERFORMED BY A CITY OF PORTLAND APPROVED FABRICATOR PER UBC SECTION 1701.7.
- CONTINUOUS SPECIAL INSPECTION MEANS THAT THE SPECIAL INSPECTOR IS ON THE SITE AT ALL TIMES OBSERVING THE WORK REQUIRING SPECIAL INSPECTION (UBC 1701.5.1). PERIODIC SPECIAL INSPECTION MEANS THAT THE SPECIAL INSPECTOR IS ON SITE AT TIME INTERVALS NECESSARY TO CONFIRM THAT ALL WORK REQUIRING SPECIAL INSPECTION IS IN COMPLIANCE. 3.
- 4. ALL WELDS SHALL BE VISUALLY INSPECTED.
- ALL COMPLETE PENETRATION WELDS SHALL BE TESTED ULTRASONICALLY OR BY USING ANOTHER 5. APPROVED METHOD.
- PERIODIC SPECIAL INSPECTION IS ONLY REQUIRED FOR WELDING OF ASTM A 700 REINFORCING STEEL NOT GREATER THAN NO. 5 USED FOR EMBEDMENTS, PROVIDED THE MATERIALS. QUALIFICATIONS OF WELDING PROCEDURES AND WELDERS ARE VERIFIED PRIOR TO THE START OF WORK: PERIODIC INSPECTIONS ARE MADE OF WORK IN PROGRESS, AND A VISUAL INSPECTION OF ALL WELDS IS MADE PRIOR TO COMPLETION OF PRIOR TO SHIPMENT OF SHOP WELDING. WELDING.
- INSPECTION FOR PREFABRICATED CONSTRUCTION SHALL BE THE SAME AS IF THE MATERIAL USED IN THE CONSTRUCTION TOOK PLACE ON SITE. CONTINUOUS INSPECTION WILL NOT BE REQUIRED DURING PREFABRICATION IF THE APPROVED AGENCY CERTIFIES THE CONSTRUCTION AND FURNISHES EVIDENCE OF COMPLIANCE 7.

Addendum # 1 Request for Proposal No. O1R-53-MERC

SPECIAL INSPECTION TESTING SERVICES FOR STEEL CONSTRUCTION

Oregon Convention Center Expansion

NOTE: This addendum notifies all agencies receiving the above-identified Request for Proposal that additional, or correction of, information for the RFP is provided by this Addendum. It is the responsibility of the original requesting agency that received an RFP from the OCC Expansion Office to distribute this information to all parties who they have sought in consultation for the preparation of their proposal.

- 1. The following changes, additions and deletions to the Request for Proposal dated October 15, 2001 hereby become a part of the Request for Proposal.
- 2. It is essential that prospective proposers note the contents of this Addendum and the Owner be made aware that the Addendum has been received. <u>Therefore</u>, <u>please acknowledge receipt of this Addendum by inserting the number of this</u> <u>Addendum in your Proposal</u>.

3. Change to be incorporated into RFP:

a. Paragraph 3.6, Add the following to the end of Paragraph 3.6:

"X.L. Ironworks and Universal Structural, Inc. are defined by the City of Portland as an Approved Fabricator. It is possible that the Steel Inspection Testing Agency with have to provide quality assurance (QA/QC) inspection services at either facility. The proposer shall provide unit costs for those inspections as defined in Paragraph 6.8. The actual number of fabrication inspections will be determined at a later date. The Steel Inspection Testing Agency will review of shop inspection records prepared by the Fabricator to verify conformation with with City requirements for shop fabrication. The Steel Testing Agency shall provide a final summary letter on steel inspection to conform to City of Portland requirements at the end of steel installation."

End of added language to Paragraph 3.6

Addendum continued on next page

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REGON

CONVENTION

777 NE MLK JR BLVD PORTLAND, OR 97232 TEL 503 238 0607 =AX 503 238 0647 www.oregoncc.org

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b. <u>Paragraph 6.8: Delete all sentences in paragraph, beginning with "Detailed</u> <u>breakdown ... " and ending with "...provided when appropriate:" Substitute the</u> <u>following:</u>

"Prepare a unit cost per item defined for testing services listed from 6.8 (A) to 6.8 (I). Prepare a detailed cost breakdown that uses the same format provided in the RFP so that direct comparison of all proposals can be easily completed. Include all costs associated with each item including, if applicable, reimbursable, travel, mark up, overhead, or miscellaneous costs for those items, if any. Provide a unit price for each item and define any exceptions to the costs proposed. The unit costs proposed will be the information used to weigh and evaluate for comparison of proposals for the Rates, Costs, and Fees (8.1.G) and the basis of defining costs for the contracting of services.

End of added language to Paragraph 6.8

c. Delete Paragraph.6.9 in it entirety. No substitution.

End of deleted language to Paragraph 6.9

4. <u>ATTACHMENTS:</u> a. None

END OF ADDENDUM #1

L'Contracts/CONTRACTS/RFP. RFB and Infb/RFP-Special InspectSteelTesting Addendum #1.doc

CONTRACT # 923629 EXHIBIT B 10-30-01A09:49 0005



STATEMENT OF QUALIFICATIONS

FOR

RFP NO. 01R-53-MERC

SPECIAL INSPECTION TESTING SERVICES STEEL CONSTRUCTION

OCC EXPANSION



October 30, 2001

Professional Service Industries

6032 N. Cutter Circle, Suite 480 Portland, Oregon 97217 Phone: (503) 289-1778 Fax: (503) 289-1918 **Professional Service Industries, Inc. (PSI)** is a nationally recognized consulting engineering and testing firm providing integrated services in several disciplines, including environmental consulting, geotechnical engineering, construction materials testing and engineering, industrial hygiene services, metallurgical and chemical testing and consulting, and facilities engineering and consulting. We are a leader among the nation's independent testing organizations and rank among the country's largest consulting engineering firms.

PSI has been providing business and industry with objective, accurate, and useful information for more than 100 years. Today, we employ more than 3,000 skilled personnel in over 150 offices across the U.S. including the following Oregon locations:

Portland, Oregon 6032 N. Cutter Circle, Suite 480 Portland, OR. 97217 Phone: 503/289-1779 Fax: 503/289-1918 Springfield, Oregon 1040A Shelly Street Springfield, OR. 97477 Phone: 541/746-9649 Fax: 541/746-7163 Eugene, Oregon 2710 West 5th Avenue Eugene, OR. 97402 Phone: 541/484-9212 Fax: 541/344-2735

PSI provides our clients with **Information To Build On** in making knowledgeable, cost-effective business decisions that help their clients reduce expenses, improve quality, and decrease liabilities.

PSI has earned a reputation for delivering quality service at reasonable costs by successfully completing thousands of projects for a variety of industries and organizations, including private corporate and industrial clients, medical facilities, civilian and military agencies of the federal government, and state and local governments.

Construction monitoring and testing has been an integral part of the services offered by *PSI* since its founding. Pittsburgh Testing Laboratory, a division of *PSI*, tested the original cables for the Brooklyn Bridge in the 1880s. In recent years the firm tested the replacement cables. No other testing inspection firm has that kind of history and continuity. PSI has had a continuous operation in the Portland are since 1939.

We believe that the quality assurance/quality control function is an integral part of the construction process and that our services must be performed properly and promptly. Communication of the results of tests or inspections must be timely, particularly with problem areas or nonconforming tests so that construction is facilitated, not hindered.

We recognize that construction projects are built in the "real world" and that proposed schedules do not always work out. Therefore, we appreciate the importance of being able to respond to requests for our services on short notice and of working hours other than the normal schedule, including nighttime work and weekend work. Our services can be provided on an on-call, part-time basis, or full-time, resident basis, and our specialty is dedicated project testing where we provide an on-site laboratory and full-time staff.

PSI is exceptionally qualified to provide the required special inspection/testing for structural steel erection at the Oregon Convention Center Expansion project. Each of our inspectors have been trained and certified in their respective disciplines. Our inspectors maintain certifications through ICBO, WABO, City of Portland, ACI, ASNT, and AWS, just to name a few. In addition, our lead inspectors have been trained to work closely with the owners and construction managers on numerous public projects and understand the protocol for such projects. Our office and laboratory are located less than 5 miles from the Oregon Convention Center thus allowing for quick response to any client requests.

6032 N. Cutter Circle, #480 Portland, OR 97217 Ph: 503.289.1778 Fax: 503.289.1918



Why PSI

- ✓ National Strength... Local Response
- \$180 + Million Dollar Company
- Serving Oregon and SW Washington since 1939
- Over 150 Offices Nationwide
- 3,000 Employees Nationwide
- 200+ employees in Oregon

✓ Single Source for all Engineering Consulting/Testing and Inspection

- Construction Materials Testing
- Geotechnical and Materials Engineering
- Nondestructive Testing and Examination
- Metallurgical and Materials Laboratory

✓ Resources

- Professional Staff of Registered Engineers (Geotechnical, Environmental and Materials)
- Professional Staff of Registered Geologists and Scientists
- ICBO/WABO/City of Portland/ACI Certified Soils, Concrete, Masonry, Fireproofing, Reinforcing Steel, Structural Steel & Asphalt Technicians
- CWI and ASNT Certified Inspectors
- In-house Soils/Concrete, Analytical, and Metallurgical Laboratories
- Available Portable Darkrooms, Radiographic Cameras and Sources, UT, MT, and PT Equipment

PSI acknowledges that this proposal will remain valid for a period of 90 days. We acknowledge receipt of RFP NO. 01R-53-MERC and Addendum #1 to the RFP.

Mr. Guy Freese is **PSI's** Oregon Executive Vice President. Mr. Freese is authorized to represent PSI in any negotiations with MERC and may sign any contract that may result.

PSI certifies that no officer, agent, or employee of MERC has pecuniary interest in this proposal or has participated in contract negotiation on behalf of MERC. The proposal is made in good faith without fraud, collusion, or connection of any kind with any other proposer. **PSI** is competing solely in its own behalf without connection with, or obligation to, any undisclosed person or firm.

OUR PROMISE

We promise to listen to you, to develop an understanding of your business goals and project objectives. With an open line of communication, we will work together as a team to accomplish this on time. If you believe we've not done our best to listen, understand, or meet your expectations, then tell us. And, if we don't respond, we don't deserve your business.

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PSI is authorized to operate in the State of Oregon and we have maintained continuous operations in Oregon since 1939.

PSI Portland maintains numerous accreditations and certifications associated with laboratory and field inspection/testing. **PSI's** Portland office meets the general requirements of American Society for Testing and Materials (ASTM) for performing independent laboratory and field inspection/testing services in the following disciplines:

- Soils & Rock Testing
- Concrete Sampling & Testing
- Asphalt Sampling & Testing
- Masonry Sampling & Testing
- Non-Destructive Examination/Testing of Metals & Non-Metals

Applicable Accreditations and Certifications

- American Association of Laboratory Accreditation (A2LA), expires June 2002
- Oregon Department of Transportation, expires March 2002
- Washington Association of Building Officials, expires October 2002
- Oregon Building Officials Association
- City of Portland, No Expiration Date, PSI is Audited Annually
- International Conference of Building Officials-Testing Lab 128
- United States Corp of Engineers, expires February 2002

Applicable Membership in Trade Associations

- American Concrete Institute
- American Welding Society
- Construction Specifications Institute

PSI holds a valid Radioactive Materials License issued by the State of Oregon.

Copies of applicable accreditations and certifications can be found in an attachment to this proposal.

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PSI has provided services similar to those requested in RFP No. 01R-53-MERC on the projects profiled below. For several of these projects, **PSI** has previous work experience with OCC Expansion team members including ZGF Architects, KPFF Consulting Engineers and Hoffman Construction. Several of these projects including:

- ✓ PDX Skybridge and Canopy (#2),
- ✓ North Clackamas High School (#7),
- ✓ The Gregory Lofts (#10), and
- ✓ Washington State University-Vancouver Engineering and Life Sciences Building (#18)

were recently recognized by the *Daily Journal of Commerce* (August 2000) as being "Top 25" projects breaking ground in Oregon and SW Washington in 1999. *PSI* is proud of our efforts on these projects and we encourage you to contact the references provided below.

Project:	PDX Skybridge and Canopy 1999-2000
Owner:	Port of Portland Mr. Brett Hockley (503) 460-4710
Architect:	Zimmer Gunsul Frasca Partnership
Structural:	KPFF Consulting Engineers
Contractor:	Hoffman Construction Company
Construction \$	\$13,000,000
Services:	PSI performed the special inspection and testing of reinforcing steel, structural reinforced concrete, structural steel erection and fabrication, high strength bolting and expansion & epoxy anchors on this unique structure for the Port of Portland. The project included the construction of elevated walkways (skybridges) which span the roadway between the parking structure and the main terminal as well as a canopy which provides shelter for airport users. The canopy covers 110,000 square feet and weighs over 4 million pounds. Due to seismic concerns, the canopy attachment to the parking structure is rigid while the attachment to the terminal building allows up to 18 inches of movement.

Project:	The Fox Tower 1998-2000
Owner:	TMT Development
	Mr. Walt Aman
J	(503) 241-1111
Architect:	Thompson Vaivoda Associates
Structural:	KPFF Consulting Engineers
Contractor:	Hoffman Construction Company
Construction \$	\$110,000,000
Services:	PSI performed the special inspection and testing of soils/backfill, reinforcing steel, structural reinforced concrete, structural masonry, structural steel erection and fabrication, high strength bolting, expansion & epoxy anchors, fireproofing and roofing on this structure for TMT Development. This 27-story office tower is unique in that it was constructed in Portland's deepest-ever excavation,



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Project:	The Gregory Lofts 1999-Current
Owner:	Carrol Aspen 36 LLC
	Mr. Jeff Welch
	(503) 289-2164
Architect:	Ankrom Moisan Associated Architects
Structural:	Kramer Gehlen & Associates, Inc.
Contractor:	Howard S. Wright
Construction \$	\$28,000,000
Services:	PSI performed the special inspection and testing of soils/backfill, reinforcing steel, structural reinforced concrete, structural masonry, structural steel erection and fabrication, high strength bolting, expansion & epoxy anchors, fireproofing, roofing and asphalt concrete paving on this structure for Carrol Aspen 36 LLC. The Gregory Lofts is a 12-story mixed used building providing approximately 340,000 square feet of space. The building frame is constructed of conventional post-tensioned concrete with a façade of masonry and precast ornamentation.

Project:	North Clackamas High School 1999-Current
Owner:	North Clackamas School District
	Mr. Jeff Houle
	(503) 654-2336
Architect:	BOORA Architects
Structural:	KPFF Consulting Engineers
Contractor:	OC America Construction Company, Inc.
Construction \$	\$30,000,000
Services:	PSI performed the special inspection and testing of soils/backfill, reinforcing steel, structural reinforced concrete, structural masonry, structural steel erection and fabrication, high strength bolting, expansion & epoxy anchors, fireproofing, roofing and asphalt concrete paving on this structure for North Clackamas School District. This new high school which is expected to open in 2001 will provide space for the education of 1,800 students.

Project:	Engineering and Life Sciences Building 1999-2000
Owner:	Washington State University-Vancouver
	Mr. Paul Couture
	(509) 335-5571
Architect:	Zimmer Gunsul Frasca Partnership
Structural:	Kramer Gehlen & Associates, Inc.
Contractor:	Baugh Construction
Construction \$	\$18,000,000
Services:	PSI performed the special inspection and testing of soils/backfill, reinforcing steel, structural reinforced concrete, structural masonry, structural steel erection and fabrication, high strength bolting, expansion & epoxy anchors, fireproofing, roofing and asphalt concrete paving on this structure for Washington State University. This building is a 2-level structure with a daylight basement providing 60,000 square feet of space.

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Key members of our team include:

<u>Project Manager</u>- Mr. Richard McIntire has over ten years of experience in construction monitoring, materials evaluation assessments. His experience includes structural steel fabrication and field inspections, Level II NDE in UT,PT, MT, RT, ET disiplines, ICBO in Structural Steel, AWS QC-1 and quality assurance management. Mr. McIntire is *PSI's* NDE Department Manager for the Portland operations and has a proven ability to provide a high quality of professionalism to any project he encounters.

Lead On-Site Inspector- *PSI* anticipates the assignment of **Mr. Kent Erickson** as the Lead Inspector for special inspection and testing for the steel construction phase of the Oregon Convention Center Expansion project and Richard McIntire as the project manager and alternate lead inspector. Together they bring AWS/ QC-1 CWI, ICBO Structural Steel, ICBO Fireproofing, City of Portland and NDE Level 11 certifications. This team along with the entire NDE staff brings the qualifications and enthusiasm to meet the demands of this project. Mr. Erickson has been employed by *PSI* since 1981 and has been a lead special inspector on many major projects in the Portland area. Projects include the PDX Terminal Expansion North, Terminal Expansion, Roadway and Sky Bridges, Canopy and Parking Structure, Oregon Arena Project, VA Sky Bridge and the KOIN Tower just to name a few. Mr. Erickson brings a wealth of knowledge to any structural project as well as excellent communication and organizational skills. Mr. Erickson also is a qualified NDE Level II Technician in Ultrasonics, Magnetic Particle and Penetrant testing methods.

<u>Off-Site/Back Up inspector</u>- Mr. Larry Lassell is an NDT Technician / Welding Inspector. He has over 25 years experience as an NDT Technician / Welding Specialist and Quality Assurance Manager on a wide range of projects in the field of materials engineering and construction and manufacturing inspection.

<u>Quality Assurance/Quality Control- Mr. Michael Boss</u> joined *PSI* in 1998 in the role of Quality Assurance/Quality Control Manager for the Northwest. He has many years of experience in construction quality control management with a public agency as an owner together with extensive experience in the private sector in commercial and industrial facilities construction. Mr. Boss has spent several years as a private consultant in Quality Control Management, as a staff member of private consulting engineering firms and with general contractors in heavy construction.

PSI		ANST Level II Certification					Other Structural Steel			
NDE Insp	ectors	MT	PT	UT	RT	ET	VT	CWI ICBO WABC		WABO
Brittain	(6)	X	X	1			Х	X		
Erickson	(20)	X	X	X			Х	X	X .	
Foster	(12)	X	X		X		•	[
Hill	(15)	X	X	X			X	X		
Lassell	(1)	X	X	X	X	X	X	х	X	X
McIntire	(12)	X	X	X	X	X	X	X	X	X
Rawlings	(3)									

Our proposed project team will be supported by *PSI's* fully qualified professional staff members located at our office on Swan Island which is less than 5 miles from the project site.

Number of years employed with PSI designated by ().

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Resumes for the members of the proposed project team are found in an attachment to this proposal.

Workforce Diversity

Equal opportunity is a part of the fabric of all personnel decisions at Professional Service Industries, Inc. A successful EEO Program assists PSI in fulfilling its employment and promotion goals. We believe that everyone should have the opportunity to secure a position with PSI and avail themselves of our training opportunities on an equal basis. We actively recruit on our web www.monster.com and have contracts with page. www.psiusa.com. and www.careerbuilder.com, both of which have special posting areas devoted to diversity. We also utilize other web sites that are more technical in nature. Due to the success of our Internet recruiting efforts, our print advertising has been reduced. However, we still utilize The Oregonian frequently, as well as small, local papers for our technicians and clerical support positions. We also advertise in female/ minority publications such as SWE, the magazine published by the American Society of Women Engineers. In Oregon, we increased our minority percentage at PSI from 6% to 11% from 1999 to 2000. We will continue our efforts to increase minority and female employment at PSI through the methods above and by our college recruitment efforts.

Subcontractor Utilization

PSI plans on utilizing specialty subcontractors that will accomplish additional outreach for small, disadvantaged businesses, minority owned businesses, woman-owned small businesses, and locally owned small business firms.

✓ Fred Cooper Consulting Engineers (FCCE) of Portland has been identified by *PSI* as a qualified DBE/MBE (OMWESB #588) to provide quality control inspection services as required under this contract. *PSI* and FCCE have work together, on numerous projects and we have full confidence in the capabilities of FCCE.

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All work performed by our team will be controlled by *PSI's* comprehensive internal quality assurance/quality control manuals and in compliance with local municipal, county, and/or state Critical Structures/Special Inspections Program Guidelines. As part of our quality control program, inspections of our laboratories are regularly performed to re-calibrate equipment and to identify deficiencies. Our equipment, tests, and procedures are monitored regularly to insure the most accurate and consistent results possible.

Another aspect of the *PSI* internal quality control program is the Senior Technical Professional System. Within our organization, those people with recognized experience, technical expertise, and competence who successfully complete a work history review and panel oral examination are designated as Senior Technical Professionals. These personnel are assigned to review reports prior to submittal and to confirm that the quality assurance/quality control programs are implemented correctly. *PSI* also has a Chief Engineer Committee, which is responsible for quality assurance and technical oversight within the company. Chief Engineers report directly to company officers, and are not affiliated with any single office or branch operation. Each and every Chief Engineer is available for consultation on any of *PSI*'s projects.

PSI maintains controlled copies of our Corporate Quality Assurance Manual and Quality Control Procedure Manual at each office location. These manuals form the basis for executing the quality construction testing and inspection for all projects **PSI** undertakes.

PSI's Quality Assurance/Quality Control Manual, the QA-M-5, was designed for corporate wide use to meet the requirements of International Standards Organization (ISO) Guide 25, and the American Society of Testing and Measurement (ASTM) E548, E329 and C1077. These standards govern not only the protocol's to follow for the performance of materials testing methodologies, but require a complete Quality Assurance/Quality Control program be followed.

The Quality System, as set forth in the QA-M-5, encompasses not only the general statement of *PSI's* commitment to providing exemplary quality of service, but provides the following supplemental protocols to be followed: QC-CAL-5 (Measuring and Testing Equipment Calibration); QC-CRN-5 (Control and Reporting of Non-conformances); QA-DC-5 (Document Control); QC-IA-5 (Internal Audits); QC-PQ-5 (Personnel Qualification and Training); QC-PR-5 (Procurement Document Control and Receiving Inspection); NDE-PQ-1 (Personnel Qualifications, Non-Destructive Examination Department Personnel.

The QA-M-5 Quality Control Management System governs all aspects of the performance of materials testing protocols beginning with the statement of corporate quality policy to the training of inspection personnel, calibration of equipment, control and reporting of non-conforming materials, Technical Operating Procedures to receiving and inspection of equipment and disposable materials.

Compliance with these standards within the QA-M-5 Quality Control Management System is mandatory to maintain the *PSI* laboratory national and international accreditation's by the following agencies: The American Association of Laboratory Accreditation (A2LA); The United States Army Corps of Engineers (USACE); the Oregon Building Officials Association (OBOA); Washington Building Officials Association (WABO); The International Conference of Building Officials (ICBO); Oregon Department of Transportation (ODOT), as well as numerous other certifications and accreditation's.

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As one of the nation's largest consulting engineering firms, PSI maintains the necessary insurance coverages to do business across the nation. We maintain workers compensation and general liability coverages that meet the state requirements. In addition, we maintain professional liability insurance coverage (errors & omissions policy). Our standard coverages are detailed on the "Sample" certificate attached. Once PSI is notified that we have been awarded this contract, we will have our insurance provider issue actual certificates. If you require additional insurance or other types of coverage that we have failed to address, please let us know and we will endeavor to obtain the needed coverage.

CARRIER: Marsh USA

TYPES:

Comprehensive General Liability Comprehensive Automobile Liability Worker's Compensation Excess Liability

Exp. 03/01/02	\$2,000,000
Exp. 03/01/02	\$2,000,000
Exp. 03/01/02	Statutory Lir
Exp. 03/01/02	Per Project

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As requested per paragraph 6.8 of the RFP **PSI** has prepared the following detailed breakdown of costs by inspection or test.

ITEM	UNIT COST
A Structural Steel - Field	n en feddioar
Visual inspection per UBC and AWS D1.1	\$34.00/HR
Inspection & testing of high strength field bolted connections per UBC for ASTM	
325 or ASTM A 490 Bolts	\$34.00/HR
Skidmore-Wilhelm Testing for Bolting	\$34.00/HR
Ultrasonic Testing per ASTM E 164	\$38.00/HR
Magnetic Particle Testing	\$34.00/HR
Dve Penetrant Testing	\$34.00/HR
ANST Level III Services	\$85.00/HR
Structural Anchor Inspection	\$34.00/HR
B. Shop Inspection- Surrey, B.C. at XL Ironworks	
Visual Inspection at shop	\$34.00/HR
Ultrasonic Testing at shop	\$38.00/HR
Magnetic Particle Testing at shop	\$34.00/HR
Dve Penetrant Testing at shop	\$34.00/HR
ANST Level III Services	\$85.00/HR
Total daily cost for shop inspection	\$272.00/DY
Travel cost per week for shop inspection	\$360.00/WK
Travel cost per day for shop inspection	\$360.00/DY
Daily Stipend for inspector	\$100.00/DY
 Management cost for shop inspection per hour 	\$78.75/HR
C. Shop Inspection- Vancouver, Washington at USI	
Visual Inspection at shop	\$34.00/HR
Ultrasonic Testing at shop	\$38.00/HR
Magnetic Particle Testing at shop	\$34.00/HR
Dve Penetrant Testing at shop	\$34.00/HR
ANST Level III Services	\$85.00/HR
Total daily cost for shop inspection	\$272.00/DY
Travel cost per week for shop inspection	NA
Travel cost per day for shop inspection	NA
Daily Stipend for inspector	NA
Management cost for shop inspection per hour	\$78.75/HR
D. Shop Inspection- Miscellaneous Iron in Hillsboro, Oregon	
Visual Inspection at shop	\$34.00/HR
Ultrasonic Testing at shop	\$38.00/HR
Magnetic Particle Testing at shop	\$34.00/HR
Dye Penetrant Testing at shop	\$34.00/HK
ANST Level III Services	\$85.00/HK
Total daily cost for shop inspection	\$272.00/DY
 Travel cost per week for shop inspection 	
Travel cost per week for shop inspection	
Daily Stipend for inspector	NA NA
Management cost for shop inspection per hour	\$78.75/HR

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ITEM		UNIT COST
E. Fireproofing	ava vere toripedir metrickistic frimmin	morratin 7 anis 7 k
 Staff Inspector 		\$34.00/HR
 Fireproofing Density Test 	4	\$45.00/EA
 Minimum Call Out Charge or Time per Inspection 	on Visit	NA
 Cost per Pickup Roundtrip 		NA
F. Temporary Shoring Inspection	- Transmith	a a chailte an an a chailte an a chailte an a chailte an a chailte an an a chailte an a chailte an a chailte an
 Staff Inspector 		\$34.00/HR
G. Add Structural Anchors	ini 7 2013 mar 12 28 and 12 16 and	Rousent Jeuco/
 High Strength (A 325 and A 490 Bolts) 		\$34.00/HR
H. Engineering	on In Park Part Phine	Managini Indahi
Professional Engineer		\$92.50/HR
Engineering Associate	\$78.75/HR	
DraftsPerson	\$32.00/HR	
1. Miscellaneous Services and Fees		and a state of the second state of the second state of the second state of the second state of the second state
 Cost per mile rate 	No Charge Local	\$00.48/MI
 Distance in Miles from Office to Project 	Less than 5	NA
 Total travel cost to job site per service 	None	NA
 Minimum Call charge or Time per Inspection 	None	NA
 Cost per Pickup Roundtrip 		NA
 Telephone Consulting Fees 	At Hourly Rate of Discipline	
 Word Processing Fees 	Included in Project Management	NA
Engineer Review and Analysis of Report	Included in Project Management	NA
Project Management Rate	One hour per day	\$78.75/HR
Per Diem	Per Day out of town stay	\$100.00/DY

As requested per paragraph 6.9 of the RFP **PSI** has prepared the following budget estimate (including low and high ranges) illustrating the total cost to complete all testing and inspection services required by this RFP.

The following budget estimate was developed using the following information:

- ✓ The construction schedule provided as Exhibit "B" to the RFP
- ✓ PSI's review of drawings at the OCC Expansion office
- Our past experience on projects of similar nature
- Inspections based on 8 hours per day 5 days per week

LOW RANGE BUDGET

Visual Inspection in Field for 60 Days-Full Time	
480 Hours @ \$34.00/HR	\$16,320.00
Visual Inspection in Field-Part Time	
60 Hours @ \$34.00/HR.	\$2,040.00
NDE Inspection	
60 Hours @ \$38.00/EA	\$2,280.00

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3 @ \$45 00/EA	¢445.00
Project Management (includes clerical and engineering review of reports)	
40 Hours @ \$78.75/HR.	\$3,150,00
LOW RANGE BUDGET, ESTIMATE,	\$23,935.00
	and a second second second second second second second second second second second second second second second
HIGH RANGE BUDGET	
Visual Inspection in Field for 60 Days-Full Time	
768 Hours @ \$34 00/HR	\$26 112 00
Visual Inspection in Field-Part Time	ψ20, 1 12.00
480 Hours @ \$34.00/HR	\$16,320.00
NDE Inspection	
60 Hours @ \$38.00/EA	\$2,280.00
	6445 00
Project Management (includes clerical and engineering review of reports)	\$145.00
53 Hours @ \$78.75/HR.	\$4 173 75
HIGH RANGE BUDGET ESTIMATE	\$49,030.75
OPTIONAL FAB SHOP INSPECTIONS	
Surroy Drittah Columbia O VI Incorrector and the	
Surrey, Briush Columbia @ XL ironworks per week	
Shop Inspection for 5 Days-Full Time	
40 Hours @ \$34.00/HR.	\$1,360.00
Travel Charges	
12 Hours @ \$36.00/HR.	\$432.00
600 Miles @ \$00.48/MI	\$288.00
	¢00.00
Project Management (includes clerical and engineering review of reports)	
5 Hours @ \$78.75/HR.	\$393.75
FAB SHOP- XL Ironworks per week	\$2,473,75
Vancouver, WA @ USI and Hillsboro, OR per day	
Shop Inspection per day	
8 Hours @ \$36 00/HR	¢070 00
Project Management (includes clerical and engineering review of reports)	
.5 Hours @ \$78.75/HR.	\$39.38

FAB SHOP-Local per day, management international management in the second secon

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Richard A. McIntire

Project Manager

Registrations/Certifications

- SNT-TC-1A
- Level II Radiography
- Level II Ultrasound
- Level II Liquid Penetrant
- Level II Magnetic Particle
- Eddy Current
- AWS Certified Welding Inspector QC-1 #92100511
- ICBO Certified Special Inspector Structural Steel & Welding #0876684-85
- City of Portland Special Inspector Structural Steel #630
- WABO Structural Steel & Welding Inspector # MCI 90 8443
- Confined Space Entry OSHA 29 CFR 1910.146, #5PSI 70417 CS

Affiliations/Memberships

- ASNT
- AWS

Mr. McIntire has over 21 years of inspection experience in manufacturing, quality control and nondestructive examination methods. He is responsible for structural steel, welding and bolting inspection on the job site or in fabricator's shop. Mr. McIntire is highly experienced in RT, PT, UT, and MT inspection and testing. Mr. McIntire has served as the Lead Inspector on several major projects, of which a partial listing is summarized below.

Selected Project Experience

- ✓ POP/TAP Airport Terminal & Parking Structure
- St. Johns Medical Center, Longview, WA
- ✓ Hyundai America Corporation, Eugene, OR
- ✓ Hawaii Convention Center, Honolulu, HI
- ✓ Wacker Siltronics, Portland, OR
- ✓ Oregon Arena, Portland, OR
- Environmental Molecular Sciences Laboratory, Hanford, WA
- ✓ Native American Hospital (Alaska) Portland, OR
- Cowlitz Dam, Portland, OR
- ✓ Boeing, Various Locations
- ✓ Bonneville Dam Locks, Cascade Locks OR
- Portland International Airport Terminal Expansion, Portland, OR

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Kent L. Erickson

Lead On-Site Inspector

Registrations/Certifications

- SNC-TC-1A
- Level II Ultrasound
- Level II Magnetic Particle
- Level II Liquid Penetrant
- EPRI Level II Visual
- AWS Certified Weld Inspector QC-1
- CWI #89120271
- ICBO Certified Weld Inspector #80588
- ICBO Fireproofing
- City of Portland Qualified Special Inspector for Structural Steel, # 569
- WABO Spray-Applied Fireproofing # ERI 44 1132

Affiliations/Memberships

American Welding Society

Mr. Erickson has over 36 years of quality control/NDE inspection experience. After retiring from the US Airforce (Master Sgt.) in 1979, Kent came to PSI and is currently a Lead Inspector for our NDE Department. His present duties include nondestructive, testing and dimensional inspection of structural steel.

Selected Project Experience

- ✓ POP/TAP Airport Terminal & Parking Structure
- ✓ OHSU Doernbechers Hospital, Portland, OR
- ✓ Oregon Arena, Portland, OR
- ✓ Portland International Airport, Terminal Expansion
- ✓ OSU Computer Science Center, Corvallis, OR
- ✓ Trans-Pacific Trade Center, Portland, OR
- ✓ Steel Bridge, Portland, OR
- ✓ Performing Arts Center, Portland, OR
- ✓ Canron Western, Portland, OR
- ✓ Bonneville Dam, Cascade Locks, OR
- ✓ Portland Medical Center, Portland, OR
- Intermountain Power, Clackamas, OR
- ✓ Columbia Grain, Vancouver, WA
- Seattle Convention Center, Seattle, WA
- ✓ Coca Cola Plant, Wilsonville, OR
- Brooklyn Bridge Refurbishing, Portland, OR
- ✓ Southern Pacific Railroad, Tigard, OR
- ✓ Mobile Oil Company, Portland, OR
- ✓ Puget Power & Light, Portland, OR
- ✓ Tri-Met Maintenance Facility, Gresham, OR
- ✓ Banfield Light Rail Project, Portland, OR
- ✓ Madigan Hospital, Fort Lewis, WA
- ✓ Red Dog Mine, AK
- ✓ Lee Ranch Mine, Grants, NM
- ✓ US Bancorp Tower, Portland, OR
- ✓ Wacker Siltronics, Portland, OR
- ✓ VA. Sky Bridge, Portland, OR
- ✓ KGON Tower, Portland, OR
- ✓ Casey Eye Clinic, Portland, OR

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Larry Lassell

Off-Site & Back Up Inspector

Education

- Contra Costa College, San Pablo, California; Non-destructive/ destructive Testing, Welding & Industrial Technologies, Metallurgy
- Columbia Basin College, Pasco, Washington; Advanced Ultrasonic Testing

Registrations/Certifications

- American Society of Nondestructive Testing TC-1A. Level II Ultrasonic, Penetrant, Magnetic Particle, Radiography, Eddy Current, and Leak Testing.
- American Welding Society (AWS). Certified Welding Inspector AWS ACI, AWS CWI #90050561.
- ICBO Certified Special Inspector, Reinforced Concrete #66598.
- ICBO Certified Special Inspector, Pre-stressed Concrete #75531.
- ICBO Certified Special Inspector, Structural Masonry #69381.
- ICBO Certified Special Inspector, Structural Steel & Welding #56405.
- ICBO Certified Special Inspector, Spray-Applied Fireproofing #68484.
- American Concrete Institute (ACI). Grade I (field), #541464162.

Mr. Lassell is an NDT Technician / Welding Inspector. He has over 25 years experience as an NDT Technician / Welding Specialist and Quality Assurance Manager on a wide range of projects in the field of materials engineering and construction and manufacturing inspection.

Selected Project Experience

- Port of Vancouver, Vancouver, Washington
- Bonneville Dam, Bonneville, Washington
- ✓ Casey Eye Clinic, Portland, Oregon
- ✓ Chevron Chemical Plant, Portland, Oregon
- ✓ Arco Tank Farm, Portland, Oregon
- ✓ KGON Radio Tower, Portland, Oregon
- Providence Hospital Addition, Portland, Oregon
- Marcum Bridge, Portland, Oregon
- Trojan Nuclear Plant, Rainier, Oregon
 - Portland Convention Center, Portland, Oregon
- Lloyd Center Renovation, Portland, Oregon
 - Portland International Airport Expansion, Portland, Oregon.

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Michael L. Boss

Quality Assurance/Quality Control Manager

Education

- Pacific Lutheran University; Construction Claims Litigation
- Washington State University; Construction Management
- El Camino College; Industrial Engineering
- Grays Harbor Community College; Liberal Arts

Certifications

- Federal Certification Level I & Il Nuclear Concrete Construction Inspector
- Certified Field Technician, Concrete Sampling/Testing, Mortar Engineering and Testing, ACI Compliant
- USCE Certified Construction QC Manager
- Nuclear Densometer Gauge Operation
- 80 Hour Certification Hazardous Materials
- Level II Asbestos Worker
- Internal QA/QC Auditor

Affiliations/Memberships

 American Society of Civil Engineers Mr. Boss joined PSI in 1998 in the role of Quality Assurance/Quality Control Manager for the Northwest area as well as Construction Quality Control Manager and Project Manager, Environmental Services. He has many years of experience in construction quality control management with a public agency as an owner together with extensive experience in the private sector in commercial and industrial facilities construction. Mr. Boss has spent several years as a private consultant in Quality Control Management and as a staff member of private consulting engineering firms as well as general contractors in heavy construction.

Selected Project Experience

- ✓ Job Order Contract (JOC), Fort Lewis, WA Contract Quality Control Manager
- ✓ Washington State Department of Transportation, Ilwaco, WA - "Tire Fire" Emergency Project Documentation Administration
- Flood Control Construction Project, Aberdeen WA -Project Quality Control Manager
- Northridge Earthquake, Los Angeles, CA Residential and Commercial Structures Damage Assessment
- City of Olympia, Olympia, WA Hazard Vulnerability Assessment
- Puget Sound Naval Shipyard, Bremerton, WA IDIQ Construction Project Manager
- McChord Air Force Base, Tacoma, WA Groundwater Remediation Facility Construction, Project Quality Control Manager
- Peninsula, University Place and Issaquah School Districts – Site Feasibility Studies for New Elementary and Middle Schools
- Port of Grays Harbor, Aberdeen, WA Capital Project Construction Management, Quality Control Management, Field Inspection
- Port of Grays Harbor, Aberdeen, WA Jet Array Anti-Siltation System Pilot Project, Field Coordination, Project Documentation

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PSI is currently working on an extension of our license as a Testing and Inspection Agency approved by the City of Portland. This is due to a change in Technical Director for our firm. You may contact Mr. Jay Ponce (823-7277) with the City of Portland Office of Planning and Development Review to confirm our status as a City approved agency.

6032 N. Cutter Circle, #480 Portland, OR 97217 Ph: 503.289.1778 Fax: 503.289.1918

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ATTACHMENT

.

NON-CONFORMANCE REPORT NO: _______

Permit No:	96-02103		Date:	
Jobsite Location/Fabricame		~ ~		
Project Title:	Terminal Pau	ting Road	way Савору	(circle one)
1. Jobsite Location/Piece Mark:	ROOF LI	N. Cer.	e 9/AD-SSL	in-e
Inspection Date:	03/12/99	Reference N	o/Drawing:	56,18
Contractor/Subcontractor:	K.H. Sowle:	12 1 1 1	Inspector:	Finlan
This Report Concerns: (circle one)	Mechanical	Soils	Archit	Structure
2. Defect/Omission:	!8" Fl.	AT 6 AR	wTitized	IN LIEU OF
Bruglas «	SHIM +	S REF!	IN DETA	18/56.18.
Q	HOC NOT	FILD .	<u> </u>	WITH KPFF.
No citie	IN Det-	il As a	OF INSP.	date.
			*	
	Continued on attach	d sheet or drawing	if necessary.	
(The above to	be completed by inspe	mor with copy left w	with non-conforming conf	ractor/subcontractor)
3. Signatures: Baugh QA/QC:	Mike T	11/200		Date: 03/16/89
PSI Lead Special Inspector.	Land	10-	al m	Date: 03/15/97
4. Corrective Action:	OK Per	- attac	hed from	Pouvers West
	Continued of	in amached sheet or	drawing if necessary.	
		;		
5. Date Corrected:	4/12/9	1 0	>	5.
Signatures: Originating Inspector:		A	·	
Contractor/Subcontractor:	The THE	the state		

Following corrective action, this form is to be signed by the appropriate individuals and returned to PSI for finalization in the Non-Conformance Report Log. A copy will also be left with the contractor/subcontractor noted above.

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SAMPLE INSPECTION REPORT

	Environmental Geotechnical Construction
Consulting . Eng	incoring - Testing

Tested For: Por?

Project TAD TERMINAL 96-02102

43053

Date: 01/27/97

Our Report No .: 763-68145-1159

REMARKS:

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