SCHOOL BOARD ACTION REPORT



DATE: Aug. 19, 2020

FROM: Denise Juneau, Superintendent

LEAD STAFF: Fred Podesta, Chief Operations Officer

206-252-0102, fhpodesta@seattleschools.org

For Introduction: Sept. 23, 2020 For Action: Oct. 7, 2020

1. TITLE

BTA IV: Award Contract P1766 to perform seismic analysis services for the Seismic Building Assessment

2. PURPOSE

The purpose of this action is to provide authorization for the Superintendent to enter into a contract that will not exceed \$210,773 to secure services for assessing the seismic condition of district buildings.

3. RECOMMENDED MOTION

I move that the School Board authorize the Superintendent to execute consultant contract No. P1766 with PCS Structural Solutions that will not exceed \$210,773 to complete seismic assessments on 15 buildings not assessed in the district's seismic assessments in 2009 or 2012; update cost estimates for all buildings for recommended seismic improvements; provide comparative seismic risk assessment for all district facilities; and produce assessment of anticipated seismic work for 19 district facilities identified as unreinforced masonry by the City of Seattle, with any minor additions, deletions and modifications deemed necessary by the Superintendent to implement the contract.

4. <u>BACKGROUND INFORMATION</u>

a. Background

This motion supports the continued effort of the district to enhance and maintain all school facilities to support the learning environment. This information will be used to prioritize future district investments in seismic improvements and assess compliance with regulatory requirements. The district last completed seismic evaluations in 2009 and 2012 (updating the 2009 study). The work proposed in this contract will update the district's previous seismic evaluation and cost estimates and provide a comparative seismic risk analysis of the district's building portfolio. Previous seismic evaluations of district buildings have informed the district's levy planning for investment in seismic improvements.

Additionally, staff anticipates the City of Seattle will adopt regulations requiring a greater level of seismic strengthening for buildings as well as conformance requirements for unreinforced masonry buildings. Conducting a seismic evaluation of district buildings using

the most recent assessment methodology will allow the district to better develop the scope of work for future seismic improvements.

The proposed work in this evaluation would:

- Update seismic evaluation of buildings that have not undergone seismic renovation since 2012 using the most recent evaluation methodology
- Perform seismic evaluation of facilities that have not yet been evaluated
- Allow the district to compare the seismic resiliency of buildings in the district

The district publicly advertised the Request for Proposal RFP042075, Consultant Services for Building Seismic Analysis project, on May 7, 2020, and received a total number of four proposals on June 2, 2020. PCS Structural Solutions was deemed to be in the best interest of the district, all factors considered. Upon review of all proposals, the recommendation is to enter into an agreement with PCS Structural Solutions to complete the necessary analysis. An interim contract (P1788) in the amount of \$78,630 has been awarded to PCS Structural Solutions to allow preliminary work to begin on the project. The total value of the two contracts awarded for this project is \$289,403.

b. Alternatives

Without an updated seismic assessment, Capital Projects will continue to utilize the 2012 Structural Evaluation to guide its work. Use of an outdated evaluation will not capture seismic improvements made by the district in the intervening time or allow planning for future seismic improvements to be made on updated evaluation techniques, cost estimates or an understanding of regulatory compliance. This course of action may lead to underestimating the extent of necessary seismic improvements as assessment methods have been updated since 2012.

c. Research

Research has been done to ensure that information obtained in this assessment will be used to inform future levy planning for seismic renovation. Capital Planning reviewed the board's guiding principles from the most recent levy planning effort (BEX V), Board Policy 6901, City of Seattle's draft standards for unreinforced masonry buildings, and the most recent structural evaluation data.

5. <u>FISCAL IMPACT/REVENUE SOURCE</u>

Fiscal impact to this action will be \$210,773.		
The revenue source for this motion is Buildings, Technology and Academics BTA IV.		
Expenditure:	☑ One-time ☐ Annual ☐ Multi-Year ☐ N/A	
Revenue:	☐ One-time ☐ Annual ☐ Multi-Year ☒ N/A	

6. <u>COMMUNITY ENGAGEMENT</u>

With guidance from the District's Community Engagement tool, this action was determined to merit the following tier of community engagement:
☐ Not applicable
☐ Tier 1: Inform
☐ Tier 2: Consult/Involve
☐ Tier 3: Collaborate
The development of the future BTA V levy package will include community engagement. This action supports the task of obtaining seismic condition information about district buildings, which will serve to inform all stakeholders. This information will be available to be shared in future levy planning efforts.
7. <u>EQUITY ANALYSIS</u>
The selection of projects for BTA IV capital levy was completed in 2015. Projects selected for the BTA IV capital levy were intended to address student capacity needs and inadequate building systems in school facilities across the city. As such, this motion was not put through an equity analysis as would be done as part of the district's current capital planning efforts.
8. <u>STUDENT BENEFIT</u>
It is the goal of the district to continue the process of implementing the BTA and BEX Capital Levy programs and provide students with safe and secure school buildings.
9. WHY BOARD ACTION IS NECESSARY
Amount of contract initial value or contract amendment exceeds \$250,000 (Policy No. 6220)
☐ Amount of grant exceeds \$250,000 in a single fiscal year (Policy No. 6114)
Adopting, amending, or repealing a Board policy
Formally accepting the completion of a public works project and closing out the contract
Legal requirement for the School Board to take action on this matter
Board Policy No, [TITLE], provides the Board shall approve this item
Oth on

10. POLICY IMPLICATION

Per Board Policy No. 6220, Procurement, any contract over \$250,000 must be brought before the Board for approval.

11. BOARD COMMITTEE RECOMMENDATION

This motion was discussed at the Operations Committee meeting on Sept. 10, 2020. The Committee reviewed moved the motion and moved the item forward with a recommendation for approval by the full Board.

12. <u>TIMELINE FOR IMPLEMENTATION</u>

Upon approval of this motion, the Superintendent will execute an agreement and a Notice to Proceed will be issued to PCS Structural Solutions.

13. <u>ATTACHMENTS</u>

- Contract P1766 (for reference as part of motion, available upon request from the Capital Projects & Planning Department)
- SPS RFP044075 Consultant Services for Building Seismic Analysis (for reference, available upon request from the Capital Projects & Planning Department)
- Updated Pricing PCS Structural Solutions (for reference, available upon request from the Capital Projects & Planning Department)



Board Action Report

Seismic Assessment Contract

Seattle Public Schools is committed to making its online information accessible and usable to all people, regardless of ability or technology. Meeting web accessibility guidelines and standards is an ongoing process that we are consistently working to improve.

While Seattle Public Schools endeavors to only post documents optimized for accessibility, due to the nature and complexity of some documents, an accessible version of the document may not be available. In these limited circumstances, the District will provide equally effective alternate access.

For questions and more information about this document, please contact the following:

Nitica Simons / Paul Cathcart Project Assistant Capital Planning ngsimons@Seattle Public Schools

The City of Seattle will be updating its seismic policies and codes. An updated seismic assessment will allow the district to estimate the scope of work needed.

CONTRACT FOR CONSULTING SERVICES

Owner: Seattle School District No. 1,

and

Consultant: PCS Structural Solutions

Tax I.D. #: (91-0843553)

(District-wide Building Seismic Analysis)

Contract No. (P1766)

CONSULTING SERVICES CONTRACT

This Agreement, Contract No.(*P1766*) made by and between Seattle School District No. 1, a Washington municipal corporation ("District" or "Owner"), and *PCS Structural Solutions* ("Consultant"). District and Consultant agree as follows:

1. SCOPE OF WORK AND SCHEDULE

	a. Consultant shall provide professional and related services as described in <u>Exhibit A</u> hereto, on the schedule set forth therein ("Services"). Consultant is authorized to proceed (check one):
	Upon receipt of this signed Agreement; On
	b. Unless modified by a change order, this contract shall be completed by <i>February 26, 2021</i> and the contract shall terminate upon such completion.
2.	CONTRACT PRICE [CHECK ONE ONLY]
	a. District agrees to pay Consultant, on a time and expenses basis, a sum not to exceed: (<i>Contract amount in words</i>) Dollars (\$0.00) (the "Maximum Authorized Compensation") payable according to Consultant's schedule of fees and reimbursable expenses specified in Exhibit B hereto. Compensation will be paid only to the extent that Consultant presents documented evidence of fees earned and expenses incurred during the period for which payment is requested, and in no case shall the total compensation exceed the Maximum Authorized Compensation. or
	b. District agrees to pay Consultant a lump sum of Two Hundred Ten Thousand Seven Hundred Seventy Three Dollars (\$ 210,773) as full and complete compensation for all services hereto, exclusive of reimbursable expenses described in Exhibit B, if any. Compensation for reimbursables will be paid only to the extent that Consultant presents documented evidence of expenses incurred during the period for which payment is requested.
	Consultant shall submit its invoices in the form and according to the schedule prescribed in the General Conditions, Exhibit C, to the address listed in paragraph 3. The amount paid shall constitute complete compensation for all costs and fees incurred, including any expenses for meals, travel, lodging and Washington State sales tax, if applicable. Additional services must be authorized in writing by District prior to performance. A W-9 form must be attached if Consultant is an individual.

3. COMMUNICATIONS

The District's representative for this contract is *Paul Cathcart*. All correspondence, requests, notices and other communications to District, in relation to this Agreement, shall be in writing and shall be delivered to:

To the District: Mailing Address

Paul Cathcart

Senior Facilities Planner Seattle School District No. 1

Mail Stop: **22-331** PO Box 34165

Seattle, WA 98124-1165

<u>Physical Location</u>:

2445 Third Avenue South Seattle, WA 98134 To the Consultant:

Craig Stauffer

President/Project Manager PCS Structural Solutions 1011 Western Avenue

Suite 810

Seattle, WA, 98104

Either party may from time to time change such address by giving the other party notice of such change in accordance with the provisions of this Paragraph 3.

4. CONSULTANT'S REPORTS

Consultant shall provide reports as requested by District in a format proposed by Consultant and approved by District.

5. PERSONNEL

Consultant shall assign the personnel listed below to the performance of the Work and shall not (for so long as they remain in Consultant's employ) reassign or remove any of them without the prior written consent of District.

Name	Firm	Role
Craig Stauffer, S.E.	PCS Structural Solutions	Project Manager
Bret Maddox, S.E.	PCS Structural Solutions	Lead Evaluator 1
Wes Neeley, S.E.	PCS Structural Solutions	Lead Evaluator 2
Andy Cluness	RC Cost Group	Cost Estimator

6. THIS AGREEMENT INCLUDES THE FOLLOWING ATTACHMENTS:

Exhibit	Topic
A	Scope of Services and Schedule
В	Fees and Reimbursable Costs
C	General Conditions of Personal Services Contract (Short Form)
	revision date of April 18, 2016
D	Consultant's Proposal dated June 2, 2020

Modifications and revisions, if any, to the General Conditions are made by the parties in Exhibit D, if included.

CONSULTANT:	DISTRICT:			
Signature	Signature			
Typed Name (Above)	JoLynn Berge, CFO Typed Name (Above)			
	Chief Financial Officer			
(ie; Principal, Director, etc.) Title	(Signing Authority) Title			
Date Signed	Date Signed			
Company Name				
Employer I.D. No. or Social Security No.				

SCOPE OF SERVICES AND SCHEDULE

Following is the understanding of the current scope of work for the Seattle Public Schools District-wide Building Seismic Analysis. The Scope of Work includes services required to provide consulting services for Parts II through VI of the scope of work as identified in RFP 042075 and PCS Structural Solutions (PCS) proposal dated June 2, 2020. General scope of this project includes:

PART II

PCS will complete assessments of buildings not previously evaluated in the 2009/2012 Studies by:

- Performing site walk-throughs of the buildings.
- Completing ASCE 41-17 checklists.
- Providing individual reports for each facility.

Design/detailing of anticipated solutions is excluded from this scope. Comparative risk assessments, described in Part IV, will be completed for these facilities.

This scope of work includes up to fifteen sites.

PART III

PCS will update the cost estimates for all the district facilities by:

- Utilizing the assessments developed in Part I (contract P1788) and Part 2
- Using previously completed ASCE 31-03 checklists to complete ASCE 41-17 checklists for the remainder of the district's facilities so that the baseline measurements are consistent.

Cost estimates will include structural upgrade costs, anticipated impacts to other systems, and other soft costs.

PART IV

PCS will provide quantitative comparative risk assessment for the district facilities, utilizing the STRiskTM Platform. STRiskTM provides detailed risk analysis for individual buildings. These results will be used to develop the comparative assessments. The software package provides site-specific earthquake hazard analysis, including Probable Loss (PL) data. The following criteria applies to this scope:

- The software is licensed for each site, costing approximately \$400 to \$500 per site. This will be submitted as a reimbursable expense.
- Once the first analysis is performed, the data can be adjusted for a three-month period, at which time access to the software will expire. We will work with the district to accumulate all the data for the sites before we begin to use the software so to as not incur repeating charges.

PART V

PCS will produce an assessment of anticipated work on the District's unreinforced masonry (URM) buildings by:

- Assessing the anticipated structural work and associated costs required to bring URM buildings into compliance with the City of Seattle's proposed technical standards.
- Design/detailing of anticipated solutions is excluded from this scope.

PART VI

PCS will produce a final report will be provided that will contain:

- An Executive Summary.
- General narrative that discusses study dates, scope of work, study limitations, methodology, general observations regarding seismic conditions, loss model evaluation methodology, documents reviewed during the investigations, and citations of applicable standards.
- Analysis of seismic/structural condition, recommendation of structural upgrade, structural upgrade costs, and priority levels.
- URM analysis and recommendation.
- Output of loss evaluation model identifying chance/probability of damage for each building.

FEES AND REIMBURSABLE COSTS

Below is the anticipated breakdown for hours and fees identified in the Scope of Work for RFP 042075 and Parts II through VI of PCS Structural Solution's (PCS) proposal dated June 2, 2020.

	Scope	Project Manager/ Lead Evaluator	Hours	StaffEngineers	Hours	Administration	Hours	Cost Estimation	Hours	Total Fee
New Facility Evaluations	Part II	\$10,730	58	\$16,280	148	\$1,170	13			\$28,180
Checklist Updates	Part III	\$21,120	128	\$12,760	116	\$2,160	24			\$36,040
Comparative Analysis (ST Risk)	Part IV	\$32,170	166	\$0	0	\$180	2			\$32,350
Report Development	Part VI	\$17,040	84	\$0	0	\$180	2			\$17,220
		\$142,440	808	\$44,220	402	\$5,760	64			\$192,420
URM Policy Assessment and Report	Part V	\$11,590	66	\$0	0	\$1,980	22			\$ 13,570
Cost Estimation/Consulting	Part III							\$27,913	145	\$ 27,913
Anticipated Reimbursables:										
ST Risk Licensing Fee (estimated)										\$53,500
Expenses (Report Printing, (1) draft, (1) final										\$2,000
Total										\$210,773
Notes:										
1)		ST-Risk TM is software su		ed on a proje	ect/site usag	e basis. Fin	al price	shall be neg	otiated	with the
2)		See Scope o	of Work	description	for addition	al informatio	n.			

SERVICES CONTRACT

GENERAL CONDITIONS (SHORT FORM)

ARTICLE 1 - CONSULTANT'S SERVICES AND RESPONSIBILITIES

- 1.1 <u>Services</u>. Consultant shall furnish all personnel, equipment and materials for the performance of all services under this Agreement. Such services, together with all drawings, specifications, materials, information, property, and other items provided or to be provided to District under this Agreement, are sometimes collectively referred to herein as the "<u>Services</u>."
- 1.2 <u>Manner of Performance</u>. Consultant's Services shall be performed with the degree of care and diligence ordinarily exercised under similar circumstances in the applicable disciplines and as expeditiously as is consistent with such standards of professional skill and care and the orderly progress of the Services. At the time of performance, Consultant shall be properly licensed, equipped, organized and financed to perform the Services.
- 1.3 <u>District's Representatives</u>. District may designate one or more individuals or firms as its representative for administration of this contract. If a representative is assigned by District, it shall not have authority to assign additional Services or to reduce the Services to be performed by the Consultant under this contract.
- 1.4 Correction of Noncompliances. Consultant shall, at no cost to District, promptly and satisfactorily correct any Services found to be defective or not in compliance with the requirements of this Agreement or the requirements of any governmental authority, law, regulations or ordinances. If the Consultant fails to initiate corrections within fifteen (15) days of receipt of written notice from the District, the District may do so, by contract or otherwise, and recover (e.g., by offset against the compensation otherwise payable under this contract) from the Consultant the cost it incurred. The obligations of the Consultant to correct nonconforming Services shall not in any way limit any other obligations of the Consultant. The District's right to make corrections and charge the Consultant for them is in addition to any other rights and remedies available to the District under this Agreement or otherwise by law and shall in no event be construed or interpreted as obligating the District to make any correction of defective or nonconforming Services.
- 1.5 <u>Consultant's Personnel</u>. All personnel employed by Consultant engaged in the Services and Services shall be fully qualified and shall be authorized under applicable federal, state, and local law to perform such Services and Services. Consultant shall, if so requested by District, remove from the performance of the Services any person District reasonably deems incompetent. Failure of District to so object shall not relieve Consultant of responsibility for such person. If any personnel are reassigned or replaced by Consultant upon District's request, Consultant shall replace them with personnel approved by District.
- 1.6 Consultant Employee Background. Pursuant to RCW 28A.400.330, Consultant shall prohibit from providing Services at a public school where there may be contact with children, any employee of Consultant who has pled guilty to or been convicted of any felony crime involving the physical neglect of a child under Chapter 9A.42 RCW, the physical injury or death of a child under Chapter 9A.32 or 9A.36 RCW (except motor vehicle violations under Chapter 46.61 RCW), sexual exploitation of a child under Chapter 9.68A RCW, sexual offenses under Chapter 9A.44 RCW where a minor is the victim, promoting prostitution of a minor under Chapter 9A.88 RCW, the sale or purchase of a minor child under RCW 9A.64.030, or violation of similar laws of another jurisdiction. Failure to comply with this section shall be grounds for District to immediately terminate the contract for cause.

1.7 Compliance With Laws

1.7.1 <u>General</u>. Consultant shall comply, and be certain that its Services comply, with all applicable laws, ordinances, regulations, resolutions, licenses of record, permits of record, and other requirements applicable to the Services, in effect at the time of performance of the Services and as interpreted by cognizant authorities, including but not limited to those related to the Americans with Disabilities Act and worker and site safety laws and regulations. Consultant shall furnish such documents as may be required to effect or evidence such compliance. All

laws, ordinances, regulations, and resolutions required to be incorporated in agreements of this character are incorporated in this Agreement by this reference.

1.7.2 Nondiscrimination.

- A. Applicable state laws concerning prevailing wages, hours, workers' compensation and other conditions of employment are called to the attention of bidders for their compliance. Bidder shall include in the bid any filing fees required to comply with applicable labor laws.
- B. During the term of this Agreement, Consultant shall comply with applicable local, state and federal laws prohibiting discrimination with regard to race, creed, color, national origin, sex, sexual orientation, marital status, age or the presence of any sensory, mental or physical handicap.
- C. Any consultant or contractor who is in violation of these requirements, or an applicable nondiscrimination program shall be barred forthwith from receiving awards of any purchase order from Seattle School District No. 1 or shall be subject to other legal action or contract cancellation unless satisfactory showing is made that discriminatory practices have terminated, and that reoccurrence of such acts is unlikely. This includes compliance with Section 503 and 504 of the Vocational Rehabilitation Act of 1973 and Sections 2012 and 2014 of the Vietnam Era Veterans Readjustment Act of 1974.

1.7.3 <u>Debarment</u>

A. Consultant, by accepting the contract, warrants that it is not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions (defined as not being eligible to receive federal funds) by any local, state or federal department or agency. Consultant also acknowledges they are not debarred under School Board Policy No. 6973 in contracting with the District currently or on future contracts.

ARTICLE 2 - PAYMENTS TO CONSULTANT

2.1 The compensation shall be made no more frequently than monthly and if paid on a lump sum basis shall be in proportion to the Services performed. Each of Consultant's invoices shall set forth in a detailed and clear manner a complete description of the Services covered thereby, on a form substantially similar to that customarily used by District and shall be supported by such receipts, documents, and other information as District may reasonably request. The invoice shall include separate listings of Services for particular schools or programs, if requested by the District. District shall pay each of Consultant's invoices within thirty (30) days after District's receipt, provided that all required documentation is included and accurate.

ARTICLE 3 - REIMBURSABLE EXPENSES

3.1 Reimbursable Expenses are in addition to the hourly rates for Services and include actual reasonable expenditures made by Consultant and Consultant's employees and subconsultants in the interest of the Project for the expenses listed in the following subparagraphs. Consultant represents that Schedule B sets forth Consultant's best estimate of the Reimbursable Expenses under this Agreement. Notwithstanding any other provision of this Agreement to the contrary, District shall not be obligated to pay Consultant, and Consultant shall not invoice District for, any Reimbursable Expenses which exceed Schedule B, unless authorized by a budget approved in writing by District. District hereby approves the attached schedule as an initial budget for the Reimbursable Expenses. Consultant shall immediately notify District if, in Consultant's best judgment, the then current estimate of the Reimbursable Expenses exceeds the approved budget therefor. Travel expenses are not Reimbursable Expenses, provided, however, that travel more than 75 miles from the site of the Services and approved in writing by the District is a Reimbursable Expense at the Internal Revenue Service allowed rate.

ARTICLE 4 - CONSULTANT'S ACCOUNTING RECORDS

4.1 The Consultant's records of performance of Services shall at all times be subject to review by and the approval of District, but the making of (or failure or delay in making) such review or approval shall not

relieve Consultant of responsibility for performance of the Services in accordance with this Agreement. Records of Reimbursable Expenses shall be kept in accordance with generally accepted accounting principles.

4.2 Consultant shall promptly furnish District with such information related to the Services as may be requested by District. Until the expiration of three (3) years after final payment of the compensation payable under this Agreement, Consultant shall provide District access to (and District shall have the right to examine, audit and copy) all of Consultant's books, documents, papers and records which are related to the Services or this Agreement. Consultant agrees to provide reasonable cooperation with any inquiry by either the District or State Auditor relating to the performance of the contract. Failure to cooperate may be cause for debarment from award of future contracts and shall act as a waiver of any claim for any further compensation under this contract.

ARTICLE 5 - DISTRICT OWNERSHIP AND USE OF DOCUMENTS

- 5.1 <u>District Ownership.</u> All drawings, specifications, materials, information, property and other items obtained or developed in connection with the Services or through the Reimbursable Expenses (including, but not limited to, documents, designs, drawings, plans, specifications, calculations, maps, sketches, notes, reports, data, estimates, reproductions, renderings, models, mock-ups, completed Services and Services in progress), together with all rights associated with ownership of such items (such as copyright, patent, trade secret and other proprietary rights), shall become the property of District when so obtained or developed or when such expense is incurred, as the case may be, whether or not delivered to District. Consultant shall deliver such items, together with all materials, information, property and other items furnished by District or the cost of which is included in the Reimbursable Expenses, to District upon request and in any event upon the completion, termination or cancellation of this Agreement. However, Consultant may at its own expense retain copies of any such items for its own records or for use in the furtherance of its professional knowledge.
- 5.2 <u>License</u>. District shall have a permanent, assignable, nonexclusive, royalty-free license and right to use all concepts, methods, processes, products, writings and other items (whether or not copyrightable or patentable) developed or first reduced to practice in the performance of the Services or otherwise whether by Consultant, any of its subconsultants, or any employee(s) of Consultant in connection with this Agreement. District shall hold Consultant or its subconsultants harmless for District's reuse of documents on a project other than this Project unless the Consultant is retained by the District for such other Project.
- 5.3 Nondisclosure. Consultant shall not, without the prior written consent of District, disclose to third parties any information obtained in connection with the Services unless: (a) the information is known to Consultant prior to obtaining the same directly or indirectly from District or in connection with the Services; (b) the information is in the public domain at the time of disclosure by Consultant; or (c) the information is obtained by Consultant from a third party who did not obtain the same directly or indirectly from District or in connection with the Services. If so requested by District, Consultant shall obtain from its employees, subconsultants and their respective employees nondisclosure agreements in the form and content satisfactory to District. Submission or distribution to meet official regulatory requirements or for other purposes in connection with the activity for which the Services were rendered is not to be construed as publication in derogation of District's or Consultant's rights.

ARTICLE 6 - RELEASE, INDEMNIFICATION AND HOLD HARMLESS

District, its successors and assigns, and the directors, officers, employees and agents of District and their successors and assigns (collectively, the "Indemnitees") from all claims, losses, harm, costs, liabilities, damages and expenses (including, but not limited to, reasonable attorneys' fees incurred on such claims and in proving the right to indemnification) relating to the services arising (whether before or after completion of the Services) out of any act, error or omission of any of the following: Consultant; Consultant's subconsultants of any tier; the directors, officers, employees or agents of Consultant or any of its subconsultants of any tier; or anyone acting on Consultant's behalf in connection with the Services or this Agreement ("Indemnitors"). However, to the extent that such claims, losses, harm, costs, liabilities, damages and expenses are caused by or are resulting from the concurrent negligence of (i) the Indemnitees or the indemnitees' agents or employees, and (ii) the Indemnitor or the indemnitors' agents or employees, this indemnity obligation is enforceable only to the extent of the Indemnitors' negligence. Consultant also shall not be required to so indemnify any of the Indemnitees against liability or damages caused by or resulting

from the sole negligence of the Indemnitees. The indemnification obligation under this paragraph shall not be affected by any limitation on the amount or type of damages, compensation or benefits payable by or for Consultant or any subconsultant under any worker's compensation act, including Title 51, RCW, any disability benefit acts, or any other employee benefit acts. Consultant and any subconsultant hereby waive, for themselves and their successors, any right to claim such limitation as a defense, set off, or other reduction of rights to indemnification under this paragraph. Consultant further agrees that this waiver has been mutually negotiated by the parties.

- 6.2 <u>Workers' Compensation</u>. As to the Indemnitees identified above only, Consultant expressly waives any immunity or limitations (e.g., on the type or amount of damages, compensation, benefits or liability payable by Consultant) that might otherwise be afforded under any industrial insurance, Workers' compensation, disability benefit or similar law, rule, regulation or order of any governmental authority having jurisdiction (including, but not limited to, the Washington Industrial Act, Title 51 of the Revised Code of Washington). By executing this Agreement, Consultant acknowledges that the foregoing waiver has been mutually negotiated by the parties.
- 6.3 Patent; Copyright. Consultant releases and shall defend, indemnify and hold harmless the Indemnitees from all claims, losses, harm, costs, liabilities, damages, expenses (including, but not limited to, reasonable attorneys' fees) and royalties arising (whether before or after completion of the Services) out of or in connection with any claim, action, suit or proceeding based upon infringement of any patent, copyright, trade secret or other proprietary right or upon the wrongful use of any confidential or proprietary concept, method, process, product, writing, information or other item and arising out of or in connection with performance of the Services or the use or intended use of any of the Services. Further, if any of the Services or any use or intended use of the Services constitutes an infringement of any patent, copyright, trade secret or other proprietary right or the wrongful use of any confidential or proprietary concept, method, process, product, writing, information or other item, Consultant shall at its expense either procure for the Indemnitees the right to use the infringing item, replace the infringing item with a substantially equal but noninfringing item or modify the infringing item so that it becomes noninfringing; provided, however, that this paragraph 6.3 does not apply to any claim, action, suit or proceeding based upon infringement which is related to any materials or equipment designated solely by District for use by the District and not designed by the Consultant.

ARTICLE 7 - INSURANCE

- 7.1 <u>Workers' Compensation; Employer's Liability Insurance</u>. Consultant shall, at its sole expense, require that, with respect to all persons performing the Services, Consultant and its subconsultants maintain in effect at all times during performance of the Services coverage or insurance in accordance with the applicable laws relating to Workers' compensation and employer's liability insurance (including, but not limited to, the Washington Industrial Insurance Act and the laws of the state in which any such person was hired).
- 7.2 <u>Liability Insurance.</u> In addition, Consultant shall, at its sole expense, maintain in effect at all times during performance of the Services and for a period of at least three (3) years after completion thereof such insurance as will protect Consultant and the District from all claims, losses, harm, costs, liabilities, damages and expenses arising out of property damage or personal injury (including death) that may occur in connection with performance of the Services. Consultant shall promptly furnish to District upon request certificates of insurance and other evidence (such as copies of insurance policies and Certificates of Compliance issued by the Washington State Department of Labor and Industries) of the insurance required under this Article 7. Without limitation of the foregoing, such insurance shall include personal injury (including death) and property damage combined insurance with limits of \$1,000,000 CSL each occurrence and annual aggregate for the following coverages:
 - (a) Commercial general liability/general (including premises operations, completed operations, blanket/contractual, broad form property damage and contractor's protective).
 - (b) Commercial auto liability (including owned, hired and nonowned).
 - (c) Professional liability (E & O)
- 7.3 <u>Additional Insured; Subrogation</u>. Any policy of insurance required under this Article shall name the District, its employees, directors, officers and agents ("Indemnitees") additional insureds and contain a

waiver of the insurer's right of subrogation against the Indemnitees. To the full extent permitted by its policies, Consultant hereby waives such rights of subrogation. Such policies shall not be terminated or canceled without giving forty-five (45) days' advance written notice thereof to District.

ARTICLE 8 - CHANGES

- 8.1 <u>Notice</u>. District may at any time, by written notice thereof to Consultant, make changes in the Services to be performed under this Agreement (including, but not limited to, additions to or deletions from any Services, suspension of performance, and changes in the schedule and location of performance). Consultant shall, within ten (10) days after receipt of notice of any change which Consultant believes to be outside the scope of Services, give District written notice of such belief, otherwise the change shall be deemed to be within the scope of Services.
- 8.2 <u>Adjustment.</u> If any change under paragraph 8.1 causes an increase or decrease in the cost of or the time required for performance of the Services, an equitable adjustment in the compensation and/or schedule under this Agreement shall be made to reflect such increase or decrease and this Agreement shall be modified in writing accordingly, and only so long as Consultant provides timely notice as required by Section 8.1. Such equitable adjustment shall constitute full compensation to Consultant for such change.

ARTICLE 9 - TERMINATION OF THIS AGREEMENT

- 9.1 Termination of Agreement by District for Cause.
- 9.1.1 If Consultant shall fail to fulfill in a timely and proper manner its obligations under this Agreement, or if Consultant shall violate any of the provisions of this Agreement, or if Consultant becomes insolvent or the subject of any proceeding under bankruptcy, insolvency or receivership law or makes an assignment for the benefit of creditors, District shall thereupon have the right to terminate this Agreement by giving written notice of such termination and specifying the effective date thereof as a certain date at least seven (7) days after the notice, during which period Consultant shall have the right to cure the default.
- 9.1.2 Whether or not this Agreement is so terminated, Consultant shall be liable to District for any damage or loss resulting from such failure or violation by Consultant described in subparagraph 9.1.1, including, but not limited to, costs in addition to those agreed to herein for prosecuting Services to completion and delay damages paid or incurred by District. The rights and remedies of District provided by this paragraph are cumulative with and in addition to any other rights and remedies provided by law or this Agreement.
- 9.1.3 District shall be liable to Consultant for Consultant's just and equitable compensation for any satisfactory services completed, but in no event shall this compensation exceed the percentage of total services satisfactorily completed at the time of termination times the total compensation payable under this Agreement less any damage or loss described in Section 9.1.2. District may withhold payments to Consultant equal to any claim made in writing by District for the purpose of set-off until such time as the exact amount of damages due District from Consultant is determined. In no event shall District be liable for any consequential or incidental damages, including, but not limited to, loss of profit on this or other projects or of reputation incurred by Consultant as a result of such termination. If District purports to terminate all or a part of this Agreement for cause, and it is determined that insufficient cause existed, such termination shall be deemed to have been a termination for convenience of District pursuant to paragraph 9.2, and the rights of the parties shall be determined accordingly.
- 9.2 Termination for Convenience by District. District may, at its option, terminate all or a portion of the services not then performed under this Agreement at any time by so notifying Consultant in writing. In that event, all finished or unfinished documents and other materials as described above shall, at the option of District, become its property upon compensation therefor in accordance with this Agreement, and District shall indemnify and hold harmless Consultant and its agents and employees from any claims arising from District's subsequent use of such documents and other materials, except to the extent Consultant is solely or concurrently negligent. If the Agreement is terminated by District as provided herein, Consultant's compensation for the Services shall be (i) that portion of the compensation for services properly performed prior to termination, and (ii) proper compensation for Reimbursable Expenses. District shall not be liable for any consequential or incidental damages, including, but not

limited to, loss of profits on this or other projects or of reputation incurred by Consultant as a result of such termination.

ARTICLE 10 - MISCELLANEOUS

- 10.1 <u>Time</u>. Time is of the essence with regard to performance of this Agreement.
- 10.2 <u>Subcontracting</u>. Except for any services to be performed by subconsultants specified in Exhibit A, Consultant shall not (by contract, operation of law or otherwise) delegate or subcontract performance of any Services to any other person or entity without the prior written consent of District.
- Independent Contractor. Consultant shall at all times be an independent contractor and not an agent or representative of District with regard to performance of the Services as authorized by this Agreement. Consultant shall not represent that it is, or hold itself out as, an agent or representative of District. The Consultant shall perform the Services in accordance with its own methods and in an orderly and professional manner. The Consultant is not authorized on behalf of the District to enter into any agreements, to waive or modify any provisions of the District's contracts with third parties, to authorize payment on behalf of the District, or to receive or accept contractual notices, to accept or approve any change in the price or time of contract on behalf of the District, or to otherwise bind the District by its actions. The District shall not be responsible for fringe benefits, withholding, paying of any taxes on behalf of the Consultant or its employees or agents, or remuneration above the amount stipulated in this Agreement.
- Nonwaiver. The failure of either party to insist upon or enforce strict performance by the other party of any of the provisions of this Agreement or to exercise any rights under this Agreement shall not be construed as a waiver or relinquishment to any extent of its rights to assert or rely upon any such provisions or rights in that or any other instance.
- 10.5 <u>Assignment</u>. Neither District nor Consultant shall assign, sublet or transfer any interest in this Agreement without the written consent of the other.
- 10.6 Entire Agreement. This Agreement represents the entire and integrated agreement between District and Consultant and supersedes all prior negotiations, representations or agreements, either written or oral. This Agreement may be amended only by written instrument signed by both District and Consultant.
- 10.7 <u>Applicable Law; Venue</u>. This Agreement shall be interpreted, construed, and enforced in all respects in accordance with the laws of the State of Washington without regard to its choice of law provisions. Venue in any litigation shall be in King County, Washington.
- 10.8 <u>Conflicts</u>. The Consultant has no interest and shall not acquire any interest, direct or indirect, that would conflict in any manner with the performance of the Services. The Consultant will not employ any person in the performance of this Agreement having any such interest.
- Mediation. Any dispute arising out of or relating to this Agreement, or the breach thereof, shall first be subject to mediation under the Construction Mediation Rules of the American Arbitration Association ("AAA"). To initiate the mediation process, a party shall submit a written mediation request to the other party. If the parties are unable to agree to a mediator within thirty (30) days after the receipt of the written request for mediation, either party may submit a request for mediation to the AAA. The Consultant may not bring litigation unless it has been properly addressed in the above dispute resolution procedure.

SCHOOL BOARD ACTION REPORT



DATE: August 19, 2020

FROM: Denise Juneau, Superintendent

LEAD STAFF: Fred Podesta, Chief Operations Officer

(206) 252-0636 fhpodesta@seattleschools.org

For Introduction: September 23, 2020 **Control of September 23**, 2020 **Control of September 23**, 2020

1. TITLE

BTA IV: Award Contract P1766 to perform seismic analysis services for the Seismic Building Assessment

2. <u>PURPOSE</u>

The purpose of this action is to provide authorization for the Superintendent to enter into a contract in an amount not to exceed \$210,773 to secure services for assessing the seismic condition of district buildings.

3. RECOMMENDED MOTION

I move that the School Board authorize the Superintendent to execute consultant contract No. P1766 with PCS Structural Solutions in an amount not to exceed \$210,773, to complete seismic assessments on 15 buildings not assessed in the district's seismic assessments in 2009 or 2012; update cost estimates for all buildings for recommended seismic improvements; provide comparative seismic risk assessment for all district facilities; produce assessment of anticipated seismic work for 19 district facilities identified as unreinforced masonry by the City of Seattle, with any minor additions, deletions, and modifications deemed necessary by the Superintendent, and to take any necessary actions to implement the contract.

4. <u>BACKGROUND INFORMATION</u>

a. Background

This motion supports the continued effort of the district to enhance and maintain all school facilities to support the learning environment. This information will be used to prioritize future district investments in seismic improvements and assess compliance with regulatory requirements. The district last completed seismic evaluations in 2009 and 2012 (updating the 2009 study). The work proposed in this contract will update the district's previous seismic evaluation and cost estimates and provide a comparative seismic risk analysis of the district's building portfolio. Previous seismic evaluations of district buildings have informed the district's levy planning for investment in seismic improvements.

Additionally, staff anticipates the City of Seattle will adopt regulations requiring a greater level of seismic strengthening for buildings as well as conformance requirements for unreinforced masonry buildings. Conducting a seismic evaluation of district buildings using

the most recent assessment methodology will allow the district to better develop the scope of work for future seismic improvements.

The proposed work in this evaluation would:

- Update seismic evaluation of buildings that have not undergone seismic renovation since 2012 using the most recent evaluation methodology
- Perform seismic evaluation of facilities that have not yet been evaluated
- Allow the district to compare the seismic resiliency of buildings in the district

The district publicly advertised the Request for Proposal RFP042075, Consultant Services for Building Seismic Analysis project, on May 7, 2020, with a total number of four proposals received on June 2, 2020. PCS Structural Solutions was deemed to be in the best interest of the district, all factors considered. Upon review of all proposals, the recommendation is to enter into an agreement with PCS Structural Solutions to complete the necessary analysis. An interim contract (P1788) in the amount of \$78,630 has been awarded to PCS Structural Solutions to allow preliminary work to begin on the project. The total value of the two contracts awarded for this project is \$289,403.

b. Alternatives

Without an updated seismic assessment, Capital Projects will continue to utilize the 2012 Structural Evaluation to guide its work. Use of an outdated evaluation will not capture seismic improvements made by the district in the intervening time or allow planning for future seismic improvements to be made on updated evaluation techniques, cost estimates or an understanding of regulatory compliance. This course of action may lead to underestimating the extent of necessary seismic improvements as assessment methods have been updated since 2012.

c. Research

Research has been done to ensure that information obtained in this assessment will be used to inform future levy planning for seismic renovation. Capital Planning reviewed the Board's guiding principles from the most recent levy planning effort (BEX V), Board Policy 6901, City of Seattle draft standards for unreinforced masonry buildings, and the most recent structural evaluation data.

5. <u>FISCAL IMPACT/REVENUE SOURCE</u>

Fiscal impact to this action will be (\$210,773).		
The revenue source for this motion is Buildings, Technology and Academics BTA IV.		
Expenditure:	☑ One-time ☐ Annual ☐ Multi-Year ☐ N/A	
Revenue:	☐ One-time ☐ Annual ☐ Multi-Year ☒ N/A	

6. <u>COMMUNITY ENGAGEMENT</u>

With guidance from the District's Community Engagement tool, this action was determined to merit the following tier of community engagement:
☐ Not applicable
☐ Tier 1: Inform
☐ Tier 2: Consult/Involve
☐ Tier 3: Collaborate
The development of the future BTA V levy package will planning includes community engagement. However, tThis action supports the task of obtaining seismic condition information about district buildings, which will serves to inform all stakeholders and parties of pertinent information. This information will be available to be shared in future levy planning efforts.
7. <u>EQUITY ANALYSIS</u>
The selection of projects for BTA IV capital levy was completed in 2015. Projects selected for the BTA IV capital levy were intended to address student capacity needs and inadequate building systems in school facilities across the city. As such, this motion was not put through an equity analysis as would be done as part of the District's current capital planning efforts.
8. <u>STUDENT BENEFIT</u>
It is the goal of the district to continue the process of implementing the BTA and BEX Capital Levy programs and provide students with safe and secure school buildings.
9. WHY BOARD ACTION IS NECESSARY
Amount of contract initial value or contract amendment exceeds \$250,000 (Policy No. 6220)
☐ Amount of grant exceeds \$250,000 in a single fiscal year (Policy No. 6114)
Adopting, amending, or repealing a Board policy
☐ Formally accepting the completion of a public works project and closing out the contract
Legal requirement for the School Board to take action on this matter
Board Policy No, [TITLE], provides the Board shall approve this item

Other: _____

10. POLICY IMPLICATION

Per Board Policy No. 6220, Procurement, any contract over \$250,000 must be brought before the Board for approval.

11. BOARD COMMITTEE RECOMMENDATION

This motion was discussed at the Operations Committee meeting on September 10, 2020. The Committee reviewed moved the motion and .

12. TIMELINE FOR IMPLEMENTATION

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Seattle Public Schools

RFP042075 – Consultant Services for Building Seismic Analysis

June 2, 2020













June 2, 2020

Seattle Public Schools Contracting Services 2445 Third Avenue South Seattle, WA 98134

ATTN: Nancy Milgate

RE: Request for Proposal No. RFP042075

Consultant Services for Building Seismic Analysis

Dear Ms. Milgate and Members of the Selection Committee:

PCS Structural *Solutions* is pleased to submit our Statement of Qualifications and Proposal for the Building Seismic Analysis project.

Founded in 1965 with offices in Tacoma, Seattle, and Portland, we are a single-discipline Structural Engineering firm with a deep portfolio of structural evaluation projects for school districts and other public agencies across Washington State, in addition to the structural design of new facilities and structural upgrades of existing buildings.

PCS has been applauded for our responsiveness, attention to detail, and real-life approach to problems and understanding of structures. We will bring this responsiveness and focus to your project and offer our most capable personnel. Our proven track record of completing projects on schedule, including fast-track approaches for educational facilities, ensures we have the skill set required to meet your deadlines. The depth of our design expertise is unparalleled and has been proven time and time again.

It would be an honor to join your team, and we appreciate your consideration of our proposal. We look forward to contributing to the success of this project.

Sincerely,

PCS Structural Solutions

Craig D. Stauffer, S.E.

Managing Principal, President

1.

REQUEST FOR PROPOSAL NO. RFP042075 PROPOSAL CERTIFICATION FORM

I read the Seattle School District's Request for Proposal No. RFP042075 and the following

TO: Nancy Milgate, Contracting Services Manager

The undersigned provider hereby certifies as follows:

Addenda and to the best of my knowle herein:	edge I complied with the mandatory requirements stated
Addenda Number1	Issue Date
2. I had the opportunity to ask questions questions have been asked; they have	regarding the Request for Proposal, and that if such been answered by the District.
3. That the proposer's response is valid f	or 90 days.
Dated at Seattle, WA, this 2	nd of June 2020.
SELIGI STAUTER	President – Managing Principal
(Signature)	(Title)
Craig D. Stauffer, S.E.	cstauffer@pcs-structural.com
(Print Name)	(Email Address)
PCS Structural Solutions	206.292.5076
(Company Name)	(Telephone Number)
1011 Western Avenue, Suite 810	206.467.7788
(Address)	(Fax Number)
Seattle	278-051-166
(City)	(UBI Number)
Washington	
(State)	_
98104	
(Zip)	_

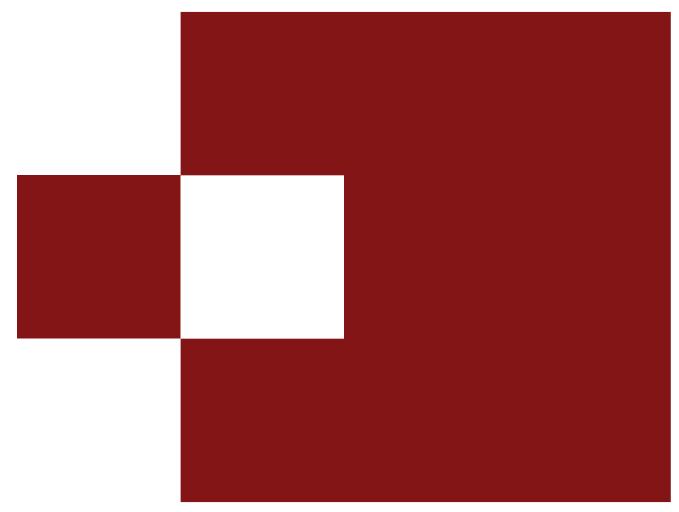
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Executive Summary





Executive Summary

Seattle Public Schools is well known for the commitment and pride you have for your students and focusing on safe, equitable communities on school campuses. Included in this charge is the continual improvement of learning spaces and providing secure and safe environments for your students and staff.

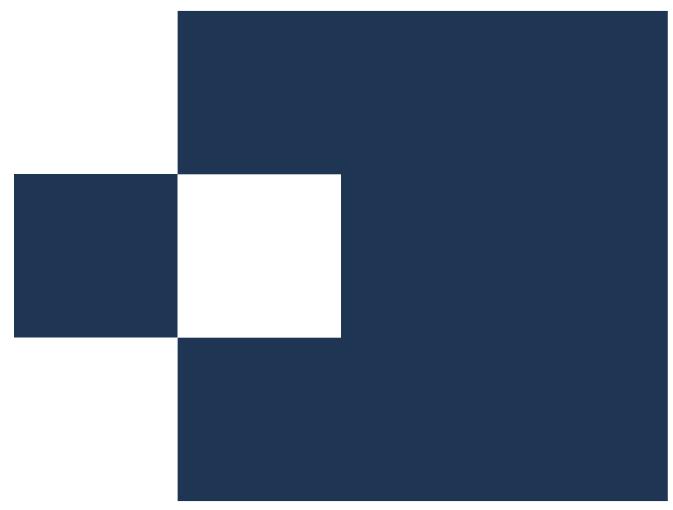
PCS Structural Solutions is proud to be a committed partner with Seattle Public Schools. We have worked on numerous renovations projects, independent evaluations, and district-wide seismic studies for Seattle Public Schools and understand the goals of the district. More importantly, we pride ourselves on our project approach—stepping far beyond the "structural engineering" role and being a **true** consultant. Ingrained in our methodology is fully understanding your needs, your long-term goals, and the desired outcome of the project at hand.

For nearly 60 years the staff at PCS Structural *Solutions* have designed and renovated K-12 facilities. This expertise and approach to educational design has been passed down through multiple generations of engineers; more importantly, the passion surrounding the design of schools is bred within us. A single school will provide a nurturing learning environment for tens of thousands of children during its lifespan. As such, the safety of these buildings, not only day-to-day but also in an extreme environmental event, is paramount.

We recognize and appreciate the detailed understanding you have of the facilities in your district. We also recognize that a standardized approach to this study will not provide Seattle Public Schools with all the information you need. It is our opinion that these platforms, while useful, will fall short of providing the necessary detail required to develop a strategic plan to improve the seismic performance of your existing buildings. Utilizing probable loss evaluation models, such as ST-RiskTM, will be the first step in developing strong comparison models.

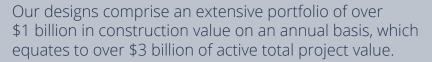
Our understanding of the buildings on the Seattle Public School campuses is second to none. We have performed previous seismic evaluations on most of the buildings, and just as importantly have been involved with the seismic upgrade of over 30 Seattle Public Schools facilities in just the last decade. This provides us with a strong understanding of your approach and goals. Additionally, we have developed an excellent rapport with the City of Seattle's Department of Construction and Inspections. This relationship is critical, as open dialogue and trust with the City is paramount to the successful completion of voluntary upgrades, full-seismic renovations, and adherence to the Unreinforced Masonry Policy.

We are excited for the opportunity to provide our professional services and work with the Project Team at Seattle Public Schools on the updated Building Seismic Analysis study.



Company Profile









Solutions... achieve safe and resilient buildings for future generations

PCS Structural *Solutions* has performed hundreds of seismic evaluations, from brief walkthroughs to in-depth analyses. When seismic upgrades or modernizations are required, we develop innovative and cost-effective solutions that limit disruptions to building occupants.

Our long history with Seattle Public Schools has given us in-depth knowledge of virtually every school campus, as well as a deep understanding of the district's priorities and needs when it comes to determining bond and levy projects.



Company Profile

PCS Structural Solutions is a single-discipline structural engineering firm, based in the Pacific Northwest with a national reach. Founded in 1965, PCS is now in its fourth generation of ownership. We embrace the complexity of modern building systems and delivery methods—creating order with focused expertise, unique deliverables, teamwork, invention, and hard work.

Our cost estimator partner, **RC Cost Group,** provides construction cost
planning and management services
to owners, architects, engineers,
government agencies and institutions.
The firm's hands-on, practical
approach to cost estimating enables
building owners and design team
members to rely on accurate and
realistic cost information to make
informed project decisions.

Our firm information and personnel breakdown is summarized on the following page.









Firm Data and Personnel Summary



Connected Teams. Bold Solutions.

PCS Structural Solutions

Seattle Office:

1011 Western Avenue, Suite 810 Seattle, WA 98104

Tacoma Office:

1250 Pacific Avenue, Suite 701 Tacoma, WA 98402

Portland Office:

101 SW Main Street, Suite 280 Portland, OR 97204

Phone: 206.292.5076

Email: cstauffer@pcs-structural.com

Date Established: 1965

Areas of Specialization:

Structural design and evaluation of vertical structures, including educational, healthcare, civic/municipal, commercial, residential, and industrial buildings

Personnel by Category (firm-wide)			
Principals	13		
Associates	10		
Project Engineers	27		
BIM Technicians	14		
Administrative	9		
Total Staff	73		



RC Cost Group

Tacoma Office:

917 Pacific Avenue, Suite 505 Tacoma, WA 98402

Phone: 253.258.2925

Email: andy@rccostgroup.com

Date Established: 2020

Areas of Specialization:

- Construction Cost Estimating
- General Contractor Estimate Review, Analysis and Reconciliation
- · Value Engineering / Value Management
- GC/CM, CM/GC, Design/Build Procurement Advice
- Feasibility Studies
- Cost-Benefit Analysis Assistance
- Life Cycle Cost Analysis Assistance
- Post Contract Change Order Review and Recommendation
- Net Zero Building Cost Analysis

Personnel by Category (firm-wide)			
Principals	2		
Associates	1		
Estimators	1		
Consultants	1		
Total Staff	5		

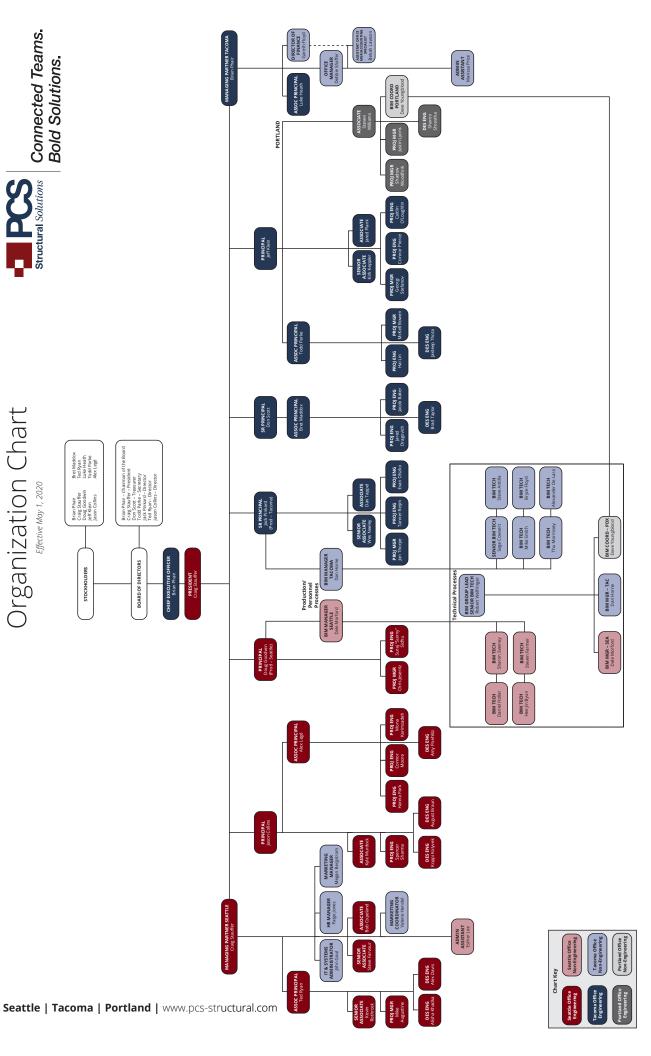


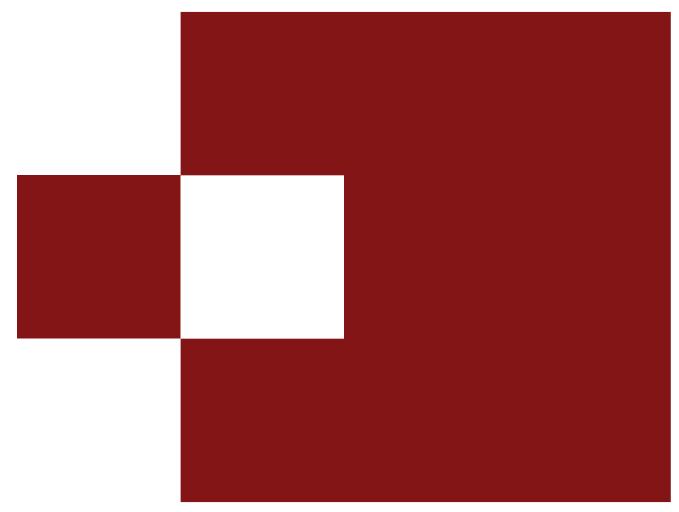
Organization Chart

Brian Phair Craig Stauffer Doug Goodwin Jeff Klein Jason Collins

STOCKHOLDERS

BOARD OF DIRECTORS





Project Experience and Past Performance







PCS Structural *Solutions* is called upon regularly for seismic evaluations of educational facilities, from brief walkthroughs to in-depth analysis. PCS is one of a select group of firms regularly implementing non-linear seismic designs—another dimension of our high quality studies.





Seattle Public Schools Seismic and Cost Studies - 2005

In 2005, PCS Structural *Solutions* completed structural condition assessments and ASCE 31 seismic evaluations on over 80 Seattle Public Schools campuses. Many of the campuses contained buildings either of different construction types or built over different areas, which resulted in the completion of over 200 ASCE 31 checklists. With a large, dedicated team from PCS, we completed the seismic surveys in eight weeks, and our final report was delivered four weeks later.

Budget/Fee: \$155,400

Proposed

Final Project Cost: \$155,400

Seattle Public Schools Seismic and Cost Studies - 2012

PCS Structural *Solutions* was hired to quickly update the 2009 cost studies, taking into consideration known improvements that had occurred to some of the facilities as well as updating overhead and profit, contingency, and escalation assumptions. Completion of the report in short order was critical due to upcoming conversations on potential funding. In less than two weeks our initial submittal was provided to the District. We then continued to work with District personnel to develop recommendations for future upgrades.

Proposed Budget/Fee:

\$13,800

Final Project Cost: \$13,050

Seattle Public Schools Seismic and Cost Studies - 2009

PCS Structural *Solutions* provided the structural engineering/consultation services for the 2009 Studies. Our scope consisted of performing the structural portion of the district-wide condition assessment study, updating all ASCE 31 studies, and performing new analysis on buildings that had been upgraded since 2005. Cost studies were also updated with the inclusion of soft costs in the overall modeling. The assessments and surveys were completed in ten weeks, and our final report was delivered eight weeks later.

Proposed Budget/Fee: \$81,100

Final Project Cost: \$81,100













University of Washington Seismic and Cost Studies, City of Seattle Unreinforced Masonry Policy - 2018

PCS Structural *Solutions* was the Prime Consultant for this study, evaluation, and cost analysis of 16 Unreinforced Masonry (URM) buildings and historic buildings on the UW Seattle campus. The studies concentrated on the proposed City of Seattle URM Policy as well as anchorage improvement of historic facades. The reports were successfully used to gain state funding to begin upgrading their facilities prior to the adoption of the City's policy. The studies, cost estimates, and reports were completed in 6 weeks.

PeaceHealth Seismic and Cost Studies - 2018

Working directly for PeaceHealth, PCS Structural *Solutions* provided the study and evaluation of 10 medical center campuses stretching across Washington and Oregon. ASCE 41 was used as the baseline tool for the reviews. In addition, we worked with PeaceHealth and their team on the campus master plans, which included cost-estimating exercises for the seismic upgrades. The evaluations and studies were completed in 12 weeks, and the final report was delivered 6 weeks later.

Central Washington University Studies - 2016

As early as 2002 and as recently as specific building updates in 2016, PCS developed seismic analysis reports for nearly every building on the CWU campus. Included in the studies were ST-Risk reports which provided probable loss comparisons for the different facilities, and assisted the University in making key decisions on seismic upgrade timetables. We completed the 2016 study updates in 10 weeks. During our original study we completed the evaluations in 8 weeks and provided a final report 10 weeks later.

Proposed Budget/Fee: \$48,585

Final Project Cost: \$48,585

Proposed Budget/Fee:

\$320,000

Final Project Cost: \$332,000

2016 Proposed Budget/

Fee: \$20,260

Final Project Cost: \$20,260

Original Study Proposed Budget/Fee: \$105,000

Final Project Cost:

\$105,000







PCS Structural *Solutions* has been proud to collaborate with Seattle Public Schools on new construction, renovations, studies, and evaluations for many years. In addition to the district-wide seismic evaluations previously discussed, we have worked on the following seismic upgrade projects in the last decade.





- B.F. Day Elementary School
- Blaine K-8 School
- Cedar Park Elementary School
- Decatur Elementary School
- Eckstein Middle School
- · Gatewood Elementary School
- Hamilton International Middle School
- Hawthorne Elementary School
- · Jane Addams Middle School Summit
- John Marshall Elementary School
- Laurelhurst Elementary School
- Leschi Elementary School
- Lowell Elementary School
- Loyal Heights Elementary School
- Magnolia Elementary School

- Maple Elementary School
- McClure Middle School Renovation
- Meany Middle School
- Muir Elementary School
- ORCA K-8 at Whitworth
- Queen Anne Elementary School
- Sacajawea Elementary School
- Salmon Bay/Monroe Elementary School
- Sand Point Elementary School
- Van Asselt Elementary School
- View Ridge Elementary School
- Washington Middle School
- Webster Elementary School
- Whitman Middle School
- World School at TT Minor



Project Approach





Project Approach

We have assembled a team with a strong, extensive background. **Craig, Bret and Wes** have a **combined experience of over 70 years** studying and renovating buildings in the Puget Sound region and are eager to bring their expertise to the project.

Phase I: Preparation/Pre-Study

This is a very critical portion of the study. While we have extensive knowledge of Seattle Public Schools' campuses, we recognize that a clear, uniform understanding of Seattle Public Schools' goals is necessary for the completion of a successful study. During Phase I we will visit with the stakeholders of the Seattle Public Schools team and refine the desired metrics of the study with the following parameters in mind:

- **Standardized Evaluation Methodology** - "Potential Limitations": PCS Structural Solutions was involved with the Washington State School Seismic Safety Project performed in 2011. This approach, along with similar studies, can be very useful for districts that have minimal information on their current facility inventory or if a fundamental report is desired for distribution. However, clarity for building-to-building comparison is limited. This level of investigation may be helpful for Seattle Public Schools to present an overall state of their inventory, but additional effort is necessary to develop a specific approach for district-wide strategies (i.e. which facilities should be upgraded next). While both studies could be performed simultaneously, our recommendation is to focus on utilizing a Probable Loss Study.
- **Probable Loss Studies Comparisons:**This approach utilizes the same information gathered for the standardized approach, but

- also develops "probable loss" ratios based on the anticipated performance and value of the facility. The information gained in this approach provides a better "building-to-building" score and will assist in developing a strategic approach for a seismic upgrade master plan. It is our opinion that this approach will best serve the District's needs.
- Seattle Public Schools' Needs Specific **Criteria:** We propose identifying unique criteria that are specific to Seattle Public Schools and including them in the scoring criteria. For instance, mid-century precast concrete schools were a trend during a short period around the 1962 Seattle World's Fair. While durable during typical use, these building types have significant seismic weaknesses that are not necessarily captured on ASCE 41 checklists. Additionally, it may be desirable to reflect anticipated replacement timelines for various buildings across the district in the report. These types of criteria should be identified and reflected in the seismic scoring.
- Approach to Seattle's Unreinforced Masonry Policy: We recommend including this information as a supplementary section of the report. Since many of the district's URM facilities have been seismically upgraded, ASCE 41 checklists designated as "conforming" may not eliminate the building from the upgrade requirements the City is establishing. A separate report section will allow the team to provide better clarity to the potential impacts of the URM Policy.

Goals and benchmarks developed during Phase I will be revisited during the entire study to ensure clarity and consistency in the final report.





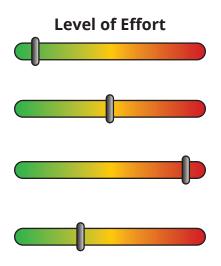
Project Approach, cont.

Phase II: Surveys and Cost Modeling

We recommend using **ASCE 41-17: Seismic Evaluation and Retrofit of Existing Buildings** as the assessment standard platform. ASCE 41 is a widely recognized standard that provides distinct guidelines for the evaluation of existing structures. It contains a series of pre-established checklists for a variety of building systems and is designed to identify potential seismic deficiencies in the lateral force resisting system. The checklists contained in ASCE 41 evolved out of those in ASCE 31, which were utilized in previous SPS studies.

We plan on taking the following approach to the surveys:

- Facilities that have undergone a full seismic upgrade since 2012 will require an updated ASCE 41 Tier 1 study, with a streamlined effort.
- Facilities that have received partial seismic upgrades will require a more thorough ASCE 41 Tier 1 review, to determine which, if any, deficiencies remain.
- Facilities that have never been evaluated will require document review, site visits, ASCE 41 Tier 1 analyses, and new reports.
- Facilities that have not been seismically renovated since 2012, either because a renovation is not needed or has yet to be scheduled, will require an update of the previous ASCE 31 review to the new ASCE 41 methodology.



Our knowledge of the existing sites and buildings will be of significant benefit during this phase. Rather than going through the process of performing site visits to every single campus, we will be able to concentrate on specific known concerns.

During this phase we will develop recommendations for how to best conform to the City of Seattle's Unreinforced Masonry Policy. While not yet an official regulation, this policy outlines specific conformance requirements for all URM buildings. At a minimum, it is expected to dictate that many URM buildings that have undergone voluntary upgrades to address ASCE checklist deficiencies will require further renovation. Using the ASCE 41 checklists, Seattle Existing Building Code's

methodology and the URM Policy requirements, we will assess each URM facility, indicate potential upgrade requirements dictated in the URM Policy, and provide recommended next steps for each facility. Our previous involvement with discussions between the City and SPS on the URM Policy will be very beneficial as we start this process.

The overall cost-estimating approach will also be developed during this phase. Estimates will enable a consistent comparison between schools and include additional factors such as overhead and profit, soft costs, escalation, and the impact to other systems such as mechanical/electrical and architectural finishes so that the total cost-impact for each upgrade is understood.





Project Approach, cont.

Phase III: Comparative Seismic Analysis

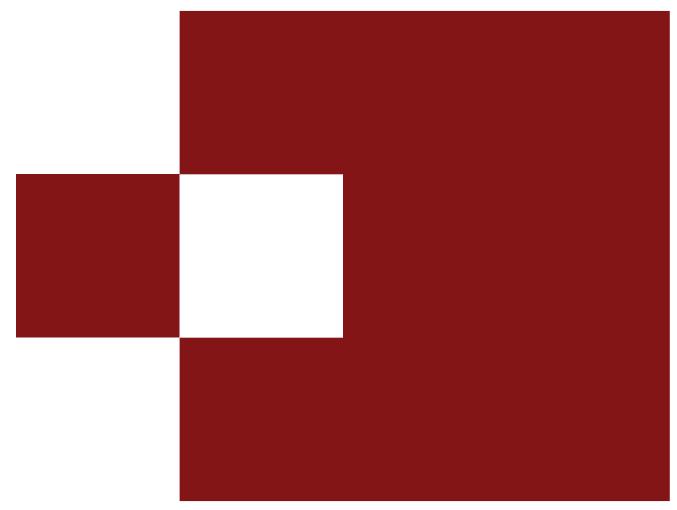
The tool we propose to use during this phase is **ST-Risk**, which was specifically developed to assist with quantitative results based on Probable Loss Modeling. This measurement is used to evaluate the seismic risk of a building utilizing the ASCE checklists completed during the surveys. The results are expressed as a percentage of the building's replacement cost and can be used to compare the seismic resiliency of the District's multiple campuses, as well as between specific buildings on a given campus.

Additional criteria, developed with stakeholders input and specific to the needs of Seattle Public Schools, will also be included as a supplement to the quantitative scores and based on our decades of educational design experience. Our goal is to work with you to also address short- and long-term facility plans, as well as master-plan conversations, wherever appropriate.

Final Documentation

While it is critical that the studies be based on sound expertise and proven metrics, it is even more important that the results of the studies be **easily understood by a diverse user group.** We will provide a document that has varying levels of detail, including an executive summary section that can stand alone for distribution to committee members and constituents.





Project Schedule





2020

Project Schedule

Conceptual Schedule

PCS has an exceptional history of developing and meeting project schedules. We propose an aggressive schedule for the review and completion of the Building Seismic Analysis

with data gathering, site visits, and evaluations occurring as soon as possible to allow more time at the end for coordination of the report format with stakeholders. Our goal is that the results of the study can be easily translated to multiple platforms.	June 2020	July 2020	August 2020	September 2	October 202	November 2
PHASE I - PREPARATION/PRE-STUDY	•		-			
Project Meeting/Negotiations	•					
Contract	•					
Board Approval		0				
Initial Development/Approval of Quantitative Safety Comparisons	•		•			
Initial Development of URM Study Approach			•			
Survey Preparation		(-			
Collect Facility Info - North End		(—			
Collect Facility Info - Central		(→			
Collect Facility Info - South End		(→			
Collect Facility Info - URM facilities			—			
PHASE II - SURVEYS AND COST MODELING			-			
Site Visits/Analysis/Draft Reports - North End			-	-		
Site Visits/Analysis/Draft Reports - Central			-	-		
Site Visits/Analysis/Draft Reports - South End			•	-		
Site Visits/Analysis/Draft Reports - URM Facilities			-	-		
Review of Voluntary Upgrades/Substantial Alterations			-	-		
Database & Report Reviews				•—		
Cost Analysis				•—		
PHASE III - COMPARATIVE SEISMIC ANALYSIS					-	
Loss Evaluation Modeling					—	
Incorporation of SPS Specific Measurements					—	
PHASE IV - REPORTING				•		-
Draft Report				•		-
Final Report						
Seattle Tacoma Portland www.pcs-structural.com						Dage 11



Project Team and Team Organization





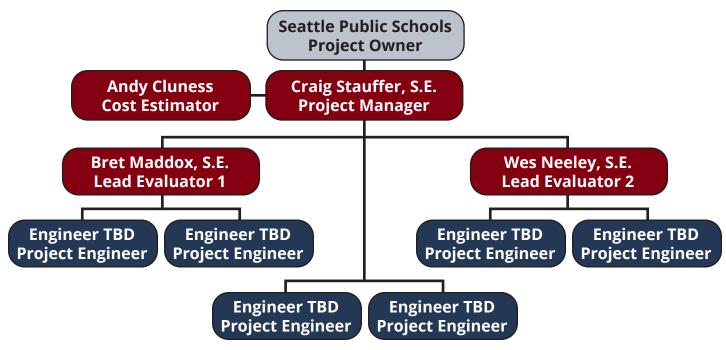
Project Team and Team Organization

PCS Structural *Solutions* has assembled a team of engineers with exceptional capability for completing the Seattle Public Schools Building Seismic Analysis project. Considering the large number and variety of reports to be completed, reviewed, and compiled, we have ensured our team has the time and focused experience to provide the quality reports SPS needs within the necessary time frame.

We have assigned three Principal/Associate level Structural Engineers to the task of completing the evaluations and reviews, with additional staff added as needed to assist. These individuals will also lead efforts in developing the quantitative safety comparison between all district buildings using the assembled building data in a loss evaluation model. Each lead engineer has over 18 years of experience in the seismic evaluation of structures in Western Washington.

Our **Project Manager, Craig Stauffer,** has been involved in almost every prior seismic study PCS has completed for SPS, as well as the recent BEX V studies for which PCS provided ongoing support. This depth of experience with the district's planning process, as well as his cumulative facility condition assessment experience and City of Seattle URM upgrade expertise, will help him provide SPS with the most relevant data and level of detail needed for future planning. **Bret Maddox** and **Wes Neeley,** our **Lead Evaluators,** also possess a high degree of experience in evaluating existing K-12 structures and have worked directly with SPS on school construction projects. Our **Cost Estimator, Andy Cluness with RC Cost Group,** has extensive SPS evaluation experience and will partner closely with our engineering team to provide cost modeling for each school.

The organization chart below shows our planned staff organization for this project, with detailed resumes for our lead personnel included in the following pages.









Craig D. Stauffer, S.E. | PCS Structural *Solutions*

SPS Building Seismic Analysis Project Manager

Craig joined PCS Structural *Solutions* with a Master's degree from the University of Wyoming in 1992 and became President of the firm in 2007. He continues to successfully manage the firm's public educational facility projects, including extensive experience with Seattle Public Schools and other school district multi-building facility condition assessments.

Craig has worked with SPS for over twenty years and evaluated, renovated or reviewed a large number of the district's campuses. He looks forward to overseeing the 2020 building seismic analysis efforts in collaboration with Seattle Public Schools.

REGISTRATION

- Structural Engineer in WA, OR, HI, UT
- Professional Engineer in CO, IA, NH, NY, NC, WY

EDUCATION

- B.S., Architectural Engineering (Structural Emphasis), 1991, University of Wyoming
- M.S., Civil Engineering (Structural Emphasis), 1992, University of Wyoming

PROFESSIONAL AFFILIATIONS

- A4LE: Past President -WA Board of Trustees
- ASCE
- AISC
- NCEES
- SEAW
- SEFW: Board Member

REPRESENTATIVE PROJECTS

Seattle Public Schools Seismic and Cost Studies, 2012
Project Manager | PCS Structural Solutions

Seattle Public Schools Seismic and Cost Studies, 2009Project Manager | PCS Structural *Solutions*

Seattle Public Schools Seismic and Cost Studies, 2005Project Engineer | PCS Structural *Solutions*

Seattle Public Schools BEX V Studies, 2019 Project Manager | PCS Structural Solutions

Bainbridge Island School District Seismic Study and Survey, 2013
Project Manager | PCS Structural Solutions

University of Washington URM Seismic Studies, 2016Project Manager | PCS Structural *Solutions*

Northshore School District Seismic Study and Survey, 2003 Project Manager | PCS Structural *Solutions*

La Conner School District Seismic Study and Survey, 2013Project Manager | PCS Structural *Solutions*

Seattle Public Schools Lowell, John Hay, and Gatzert Building Study, 2014 | Project Manager | PCS Structural Solutions

Puget Sound Energy Facility Assessments 2017Project Manager | PCS Structural *Solutions*







Bret Maddox, S.E. | PCS Structural Solutions

SPS Building Seismic Analysis Lead Evaluator 1

Bret has been with PCS Structural *Solutions* since he graduated from the University of Wyoming in 1992. He has served as Project Manager and Principal In Charge on many of the firm's public and private educational facility projects dealing with evaluations and renovations of existing facilities.

As the Lead Evaluator 1 for the SPS Building Seismic Analysis project, Bret will work closely with the other PCS team leadership and his support engineers to deliver his set of building evaluations and report reviews.

REGISTRATION

- Structural Engineer in WA, WY
- Professional Engineer in CA

EDUCATION

 B.S., Architectural Engineering (Structural Emphasis), 1992, University of Wyoming

PROFESSIONAL AFFILIATIONS

- A4I F
- SEAW: Southwest Chapter Past President
- ASCE
- The Masonry Society
- NCSEA: Existing Buildings Subcommittee Voting Member

REPRESENTATIVE PROJECTS

Seattle Public Schools Seismic and Cost Studies, 2005Project Engineer | PCS Structural *Solutions*

Seattle Public Schools Loyal Heights Elementary School, 2018Principal in Charge | PCS Structural *Solutions*

Central Washington University Seismic Studies - ST-Risk, 2016, 2002 | Project Manager | PCS Structural Solutions

Seattle Public Schools Genesee Hill Elementary School, 2016Principal in Charge | PCS Structural *Solutions*

Mercer Island School District Study and Survey, 2018
Project Manager | PCS Structural Solutions

Bethel School District Study and Survey, 2012Project Engineer | PCS Structural *Solutions*

University of Washington URM Seismic Studies, 2016Project Manager | PCS Structural *Solutions*

Sultan School District Study and Survey, 2015Project Manager | PCS Structural *Solutions*

Tenino School District Study and Survey, 2013Project Manager | PCS Structural *Solutions*

White River School District Study and Survey, 2012
Project Manager | PCS Structural Solutions







Wes J. Neeley, S.E. | PCS Structural *Solutions*SPS Building Seismic Analysis Lead Evaluator 2

Wes has been with PCS Structural *Solutions* since 2001 and was named a Senior Associate in 2018. He has served as Project Manager on many educational facility renovation projects and has assisted with numerous multi-site evaluation projects.

As the Lead Evaluator 2 for the SPS Building Seismic Analysis project, Wes will work closely with the other PCS team leadership and his support engineers to deliver his set of building evaluations and report reviews.

REGISTRATION

Structural Engineer in WA

EDUCATION

 B.S., Civil Engineering (Structural Emphasis), 2001, Washington State University

PROFESSIONAL AFFILIATIONS

- CSI
- SEAW: Past Southwest Chapter Board of Directors, Member Existing Building Committee

REPRESENTATIVE PROJECTS

Seattle Public Schools Webster Elementary School Addition and Modernization, 2021 (est.) | Project Manager | PCS Structural Solutions

Seattle Public Schools Hamilton International Middle School Modernization, 2010 | Project Manager | PCS Structural Solutions

Seattle Public Schools Garfield High School Modernization, 2008Project Engineer | PCS Structural *Solutions*

Seattle Public Schools Gatewood Elementary School Re-Roof, 2012 | Project Engineer | PCS Structural Solutions

Seattle Public Schools Lowell Elementary School Seismic Upgrade, 2014 | Project Engineer | PCS Structural Solutions

Seattle Public Schools Genesee Hill Elementary School, 2016 Project Engineer | PCS Structural *Solutions*

La Conner School District Study and Survey, 2011Project Manager | PCS Structural *Solutions*

University of Washington URM Seismic Studies, 2016 Project Engineer | PCS Structural Solutions

PeaceHealth Hospital Campuses Seismic Studies, 2018
Project Manager | PCS Structural Solutions









EDUCATION

 B.S. (Hons), Quantity Surveying, Leeds Metropolitan University, Leeds, UK

Andy Cluness | RC Cost Group

SPS Building Seismic Analysis Cost Estimator

Andy Cluness is the Managing Partner of RC Cost Group. Andrew brings twenty-three years of extensive knowledge of the construction management industry. His cost planning expertise is applied through various sectors ranging from education and healthcare to confidential government projects. From contract inception to completion, Andrew has provided both pre- and post-contract duties including estimating, value engineering and negotiating of contracts and change orders.

Andy will lead the cost estimating for this project working closely alongside the PCS team and Seattle Public Schools. He has extensive experience working on projects in this sector in particular for seismic upgrades for projects of a similar size and scope. Andy is an industry expert in budget preparation, cost estimating, bid evaluation, project controls and GC-CM Estimate Analysis and Reconciliation.

REPRESENTATIVE PROJECTS

Seattle Public Schools Northgate Elementary School, 2017
Lead Estimator | ARC Cost Group (later absorbed by RC Cost Group)

Bethel School District New Bethel High School, 2019-Current Lead Estimator | ARC Cost Group

Bethel School District Challenger High School Phase 1, 2019 Lead Estimator | ARC Cost Group

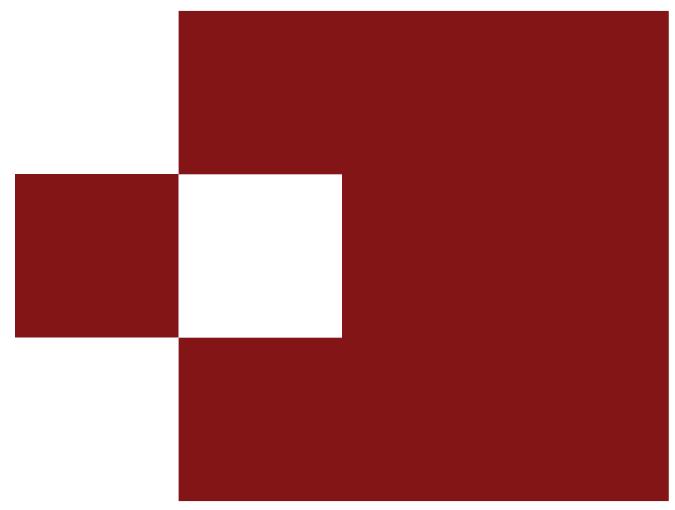
Chimacum School District Chimacum High School, 2019 Lead Estimator | ARC Cost Group

Clover Park School District, Clover Park Middle School, 2018 Lead Estimator | ARC Cost Group

Highline Public Schools Glacier Middle School, SeaTac, WA, 2018 Lead Estimator | ARC Cost Group

North Thurston Public Schools North Thurston High School Phases 1 and 2, 2016 | Lead Estimator | ARC Cost Group

Wenatchee School District Wenatchee High School Bond Planning, 2020 | Lead Estimator | RC Cost Group



Availability and Capacity





Availability and Capacity

Availability of Key Personnel

PCS Structural *Solutions* key personnel are available and prepared to begin work on Seattle Public Schools' Building Seismic Analysis project within the scheduled time frame.

During the duration of the SPS Building Seismic Analysis project, each team member's percentage of availability will be as follows:

	Phase l: Preparation/ Pre-Study	Phase II: Surveys and Cost Modeling	Phase III: Comparative Seismic Analysis	Final Documentation
Craig Stauffer	70%	60%	50%	50%
Bret Maddox	20%	60%	40%	30%
Wes Neeley	20%	60%	40%	30%
Andy Cluness	10%	30%	10%	10%

Proposed Location

Craig Stauffer will lead the project from the PCS Seattle office, located at 1011 Western Avenue, Suite 810, Seattle, WA 98104.

Bret Maddox and **Wes Neeley** will travel to Seattle as needed to complete facility evaluations and meetings with the district, and will divide their time between the PCS Seattle and Tacoma offices as needed for project meetings (Tacoma office located at 1250 Pacific Avenue, Suite 701, Tacoma, WA 98402).

Andy Cluness of RC Cost Group will complete the cost analysis from his Tacoma office, located at 917 Pacific Avenue, Suite 505, Tacoma, WA 98402.

Capacity of Proposed Team

PCS Structural *Solutions* possesses ample flexibility and capacity to nimbly serve our clients' needs. With over 70 staff across our three offices, this project will comprise only a small percentage of our overall workload at any given time. Careful planning and collaboration with RC Cost Group, as well as our team leaders' ability to pull in support engineers wherever needed to meet workload demands, ensures we can devote the time and attention needed to this important analysis project.



References





References

Bainbridge Island School District

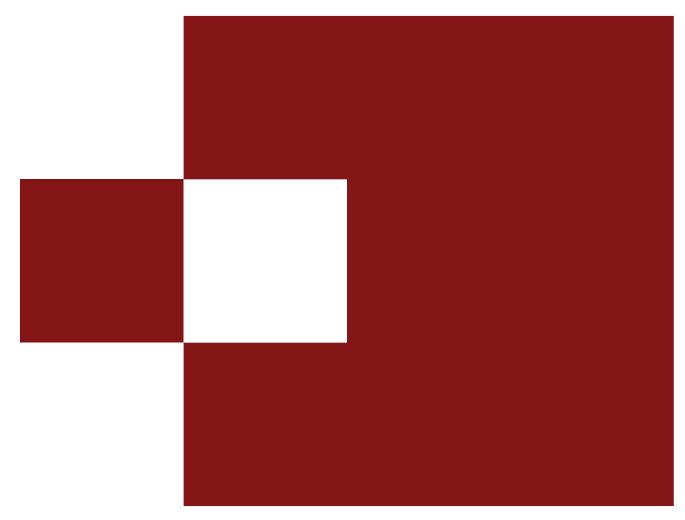
Tamela Van Winkle, Director of Facilities, Operations & Capital Projects 8489 Madison Avenue NE Bainbridge Island, WA 98110 206.780.1595 tvanwinkle@bisd303.org

Bethel School District

Cathie Carlson, Director of Construction and Planning 516 176th Street E Spanaway, WA 98387 253.683.6045 ctcarlson@bethelsd.org

Central Washington University

Bill Yarwood, Major Capital Projects Manager 400 East University Way Ellensburg, WA 98926-7523 509.963.1120 william.yarwood@cwu.edu



Pricing
Terms and Conditions





Pricing

SCOPE DESCRIPTION	FEE
Updated/New ASCE 41 Evaluations, All Campuses, with Report	\$160,600
Comparative Seismic Analysis (ST-Risk) - Input and Report	\$ 32,150
URM Policy Assessment and Report	\$ 13,500
RC Cost Group Cost Consultant Fee	\$ 27,900 (1)
ST-Risk™ Licensing Fee (Estimated)	\$ 53,500 ⁽²⁾

Notes

- (1) Compensation for PCS Structural *Solutions* consultants shall be the amount invoiced to PCS Structural *Solutions*. Includes 10% mark up.
- (2) ST-Risk™ is licensed on a project/site usage basis. Final fee shall be negotiated with the supplier.
- (3) Reimbursable expenses to be negotiated. Includes report hard copy, reproductions, etc.

Hourly Rates

Associate Principal and Principal	\$175.00 to \$215.00
Project Manager/Associate Engineer	\$155.00 to \$175.00
Design Engineer/Project Engineer	\$110.00 to \$155.00
CAD/BIM Technician	\$70.00 to \$145.00
Clerical_	\$75.00 to \$105.00

Terms and Conditions

Acceptance of Contract

PCS Structural *Solutions* affirms that the Terms and Conditions of the RFP documents are acceptable.

PCS Structural Solutions

Seattle

1011 Western Avenue, Suite 810, Seattle, WA 98104 206.292.5076 info@pcs-structural.com

Tacoma

1250 Pacific Avenue, Suite 701, Tacoma, WA 98402 253.383.2797 info@pcs-structural.com

Portland

101 SW Main Street, Suite 280, Portland, OR 97204 503.232.3746 info@pcs-structural.com

www.pcs-structural.com





Pricing

SCOPE DESCRIPTION	FEE (1)
Updated/New ASCE 41 Evaluations, All Campuses, with Report	\$160,600
Comparative Seismic Analysis (ST-Risk) - Input and Report	\$ 32,150
URM Policy Assessment and Report	\$ 13,500
RC Cost Group Cost Consultant Fee	\$ 27,900 (2)
ST-Risk™ Licensing Fee (Estimated)	\$ 53,500 ⁽³⁾
	\$287,650

Reimbursable Expenses	\$	2,000
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Notes

- (1) Lump sum, not to exceed.
- (2) Compensation for PCS Structural *Solutions* consultants shall be the amount invoiced to PCS Structural *Solutions*. Includes 10% mark up.
- (3) ST-Risk™ is licensed on a project/site usage basis. Final fee shall be negotiated with the software supplier.
- (4) Reimbursable expenses are estimated. Includes one draft and one final hard copy report.

Hourly Rates

Associate Principal and Principal	\$175.00 to \$215.00
Project Manager/Associate Engineer	\$155.00 to \$175.00
Design Engineer/Project Engineer	\$110.00 to \$155.00
CAD/BIM Technician	\$70.00 to \$145.00
Clerical	\$75.00 to \$105.00

Terms and Conditions

Acceptance of Contract

PCS Structural *Solutions* affirms that the Terms and Conditions of the RFP documents are acceptable.