# INSPECTION REPORT

B0609922

# GEOENGINEERS /

#### GEOENGINEERS, INC.

523 East Second Ave Spokane, WA 99202 (509) 363-3125 . Fax (509) 363-3126

Distribution 1	Dine Deal Comme (Variable)	PROJECT	Parking Gar	rage barrier	Littuite	,,,,c,,,,
31-1-21-11-1	River Park Square (Kerry Novell) Goebel Construction (Terry Goebel)	PROJECT NO.	15371-001-01		REPORT#	4
Distribution 2		INSPECTION DATE	11/10/2006		PAGE	1 of 1
Distribution 3	Wiss, Janney, Elstner Associate, Inc. City of Spokane Building Department	INSPECTOR	C. Sahagian	<del></del>		
Distribution 4	City of phokente panding pepariment	PROJECT ADDRESS	808 West Mai			
Distribution 5		CITY, STATE	Spokane, Was			
Distribution 6 Time on site:	9:00 A.M. Time off site: 10:30 A.M.	PERMIT NO.	B0609922			
			Change Dwg. 🗸 AS	TM Test Method(s)	<b>V</b> IBC I	Building Code
Inspected with refer	rence to (check all that apply): Approved Mans					
Epoxy and	thor holes were inspected for proper depth and cl	leanliness on levels P7/P	8 and P8/P9. All	were found cl	lean and o	f
proper de	pth (4.25"). Welding was inspected on levels P7/1	P8 and P8 and no deficie	ncy was found. A	II modificatio	ns were	
	l on these levels.					
combrege	- O11 011 010 10 1 010					
	were performed at the following locations:					
• Level P	5/P6, 6th plate from the west and 13th from the e	east.				
	6/P7, 3rd plate from the west and 9th plate from					
All tosts o	achieved the required 6000 kPA of tension withou	it failure. Testing value	s were supplied b	y the project	structural	
An tests a	achieved the required 0000 kl A of school without	ollow paint				
engineer.	Tested anchors were marked on the ends with ye	enow pante.				
Pullout te	est equipment used: calibrated SPX RH302 Mode	l C hollow ram with Ene	rpac P392 hand p	ump.		
	s inspected with reference to project drawings by					
Work was						
Work was						
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Work was						
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Work was			ssociates dated 7.	/28/06.		
Work was					nstruction	
Work was	s inspected with reference to project drawings by	Wist, Janney, Elstner A	ssociates dated 7.	/28/06.	nstruction	
Work was	s inspected with reference to project drawings by	Wist, Janney, Elstner A	ssociates dated 7.	/28/06.	nstruction	
Work was	ns and results reported to  CE OF WORK-ITEMS INSPECTED	Wist, Janney, Elstner A	ssociates dated 7.	/28/06.	nstruction	
Work was	Inspected with reference to project drawings by  Inspected with reference to project drawings by	Wist, Janney, Elstner A	ssociates dated 7.	/28/06.	nstruction	
Work was  OBSERVATIO  CONFORMAN  ✓ AL  DO	ns and results reported to  CE OF WORK-ITEMS INSPECTED	Wist, Janney, Elstner A  Dennis  Dennis	ssociates dated 7.	/28/06.	nstruction	

This report presents data derived and opinions formed as a result of our activities relating to our approved scope of work. Test results apply only to the specific items, locations, and/or times tested. We rely on the contractor to comply with the plans and specification throughout the duration of the project irrespective of the presence of our representative. Our presence and activities on the site in no way relieve the contractor of his contractual obligations. Our work does not include supervision or direction of the work of others. Our firm will not be responsible for job or site safety of others on this project. Any electronic contractor of his contractual obligations. Our work does not include supervision or direction of the work of others. Our firm will not be responsible for job or site safety of others on this project. Any electronic contractor of his contractual obligations. Our work does not include supervision or direction of the work of others. Our firm will not be responsible for job or site safety of others on this project. Any electronic contractor of his contractual obligations. Our work does not include supervision or direction of the work of others. Our firm will not be responsible for job or site safety of others on this project. Any electronic contractor of his contractual obligations. Our work does not include supervision or direction of the work of others. GeoEngineers, Inc. and will serve as the official document of record.

Technical Representative

## INSPECTION REPORT

#### GEOENGINEERS, INC.

523 East Second Ave Spokane, WA 99202

(509) 363-3125 . Fax (509) 363-3126



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OBSERVATIO	ONS AND RESULTS REPORTED TO	Γ	ennis)		OF	Goebel	Construction	<u> </u>
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Goebel Co	enstruction requested that GeoEngi	meers return on 1	1/20 to perior	u imai pu	110110 100			
			1/20 to parfor	n final pu	llout tes	ts on the installe	ed anchors.	
Work was	inspected with reference to project	carawings by wisi	, vaimey, mis					
		1	lanner Flat	ner Associ	iates dat	ted 7/28/06.		
lean and	of the specified depth (4.25").							
	Levels P8 and P9. Observed final e	epoxy anchor holes	for cleanines	and proj	or gebu			
·			f leanlines	a and prop	per dent	h All holes were	e found to be	
ected with refer	ence to (check all that apply):   Approve	ed Plaits V Project	DPCDINGUISTO :	<u>`</u>				
e on site:	13:00 Time off site:	14:00	PERMIT NO.  Specifications RFI/Chi			✓ ASTM Test Method(s)	✓ IBC E	tuilding Code
ribution 6			CITY, STATE		Spokane, Washington B0609922			
ribution 5	Juy of Spokulæ Bullating Department		PROJECT ADDRESS		808 West Main Avenue			
ibution 3	City of Spokane Ruilding Departm	Janney, Elstner Associate, Inc. f Spokane Building Department		(	C. Sahagian			
ibution 2	Goebel Construction (Terry Goebel)		INSPECTION DATE		1/15/200		PAGE	1 of 1
Y 21 0			PROJECT NO.		5371-00	17-01	REPORT#	ements_ 5

☐ DO NOT ALL CONFORM (Re-inspection required, see notes) TO APPROVED PLANS/SPECIFICATIONS & REFERENCED CODES. NOTE: This is a preliminary

document until reviewed and signed by GeoEngineers' technical representative.

UISCLAIMER:

This report presents data derived and opinions formed as a result of our activities relating to our approved scope of work. Test results epply only to the specific items, locations, and/or times tested. We rely on This report presents data derived and opinions formed as a result of our activities relating to our approved scope of work. Test results epply only to the specific items, locations, and/or times tested. We rely on this contractor to comply with the plans and specification throughout the duration of the presence of our representative. Our presence and activities on the site in no way relieve the the contractor of his contractual obligations. Our work does not include supervision or direction of the work of others. Our firm will not be responsible for job or site safety of others on this project. Any electronic contractor of his contractual obligations. Our work does not include supervision or direction of the work of others. Our firm will not be responsible for job or site safety of others on this project. Any electronic contractor of his contractual obligations. Our work does not include supervision or direction of the work of others. Our firm will not be responsible for job or site safety of others on this project. Any electronic contractor of his contractual obligations. Our work does not include supervision or direction of the work of others. Our firm will not be responsible for job or site safety of others on this project. Any electronic contractor of his contractual obligations. Our work does not include supervision or direction of the work of others. Our firm will not be responsible for job or site safety of others on this project. Any electronic contractor of his contractual obligations. GeoEngineers, Inc. and will serve as the official document of record.

Technical Representative

# INSPECTION REPORT

B0609922



#### GEOENGINEERS, INC.

523 East Second Ave Spokane, WA 99202 (509) 363-3125 . Fax (509) 363-3126

Distribution 1	River Park Sau	are (Kerry Novell)		PROJECT		Parkin,	g Garage Bai			
Distribution 2	Goehel Constru	ction (Terry Goebe	l)	PROJECT NO.		15371-0		REPORT#		
Distribution 3		Elstner Associate, I		INSPECTION D	ATE	11/20-2		PAGE	1	of 1
Distribution 4	City of Snobana	Building Departn	nent	INSPECTOR		C. Saho				
Distribution 5	City of Spondine	. Lavoure Doparer		PROJECT ADD	RESS	808 Wes	t Main Avenue	3		
Distribution 6				CITY, STATE		Spokane	e, Washington			
Time on site:	8:00	Time off site:	9:00	PERMIT NO.		B060992				
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mspecied with refere	sive to follow all trial appl	77. E. PP10.								
This repor	t summarizes sp	pecial inspection w	ork performed on l	November 20	and 21, 2	006.				
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		om the east and 9t								
• Level P	P10: 7th plate	from the east and	5th plate from the	west						
	1: 5th plate from									
, inevert	LL. GMI PIGGO II OL									
		14. 00017	without failure	The tested on	chore wer	e marke	d with vellow	paint.		
All anchor	s tested were st	ressed to 6000 kPa	a without failure.	THE PERSON WIT	OHOLD WEL	- III MI		<u>`</u>		
				<u></u>						
Pullout te	st equipment us	ed: calibrated SPX	RH302 Model C h	ollow ram wi	th Enerpa	ac P392 b	nand pump.			
				•						
XX7	ingrested with	reference to projec	t drawings hy Wis	t. Janney. Els	tner Asso	ciates da	ated 7/28/06.			
work was	mspected with	reference to brolec	o diameter by 11 to	-,						
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OBSERVATIO	NS AND RESULTS R	EPORTED TO	D	ennis		UF	GOED			

CONFORMANCE OF WORK-ITEMS INSPECTED

✓ ALL CONFORM

DO NOT ALL CONFORM (Re-inspection required, see notes)

TO APPROVED PLANS/SPECIFICATIONS & REFERENCED CODES. NOTE: This is a preliminary document until reviewed and signed by GeoEngineers' technical representative.

Respectfully submitted, GeoEngineers, Inc.

Technical Representative

This report presents data derived and opinions formed as a result of our activities relating to our approved scope of work. Test results apply only to the specific items, locations, and/or times tested. We rely on Inis report presents data derived and opinions formed as a result of our activities relating to our approved scope of work. Lest results apply only to the specification throughout the duration of the project irrespective of the presence of our representative. Our presence and activities on the site in no way relieve the contractor to comply with the plans and specification throughout the duration of the project irrespective of the presence of our representative. Our presence and activities on the site in no way relieve the contractor of his contractual obligations. Our work does not include supervision or direction of the work of others. Our firm will not be responsible for job or site safety of others on this project. Any electronic form, facsimile or hard copy of the original document (email, text, table, and/or figure), if provided, and any attachments are only a copy of the original document. The original document is sloved by GeoEngineers, Inc. and will serve as the official document of record.

GeoEngineers

INSPECTION REPORT

GEOENGINEERS, INC.

523 East Second Ave Spokane, WA 99202 (509) 363-3125 . Fax (509) 363-3126

Distribution 1	Riverpark Square (Kerr	v Nonell)		PROJECT		Parking	Garage Ba	rier Enhance	ments	
Distribution 2	Goebel Construction (Terry Goebel)			PROJECT NO.		15871-001-01		REPORT#	7	
Distribution 3	Wiss, Janney, Elstner Associates, Inc.			INSPECTION DATE		Nov. 27-28, 2006		PAGE	1 of I	
Distribution 4	City of Spokane Building Dept.			INSPECTOR		C. Sahas	ian			
Distribution 5	Tout of phonence buttoning peps.			PROJECT ADDRESS		808 West Main Avenue				
Distribution 6				CITY, STATE		Spokane, Washington				
lme on site: Time off site:				PERMIT NO.		B0609922				
	ence to (check all that apply):	✓ Approved Pluns	✓ Project	Specificallons	RFI/Cha	ngo Dwg.	ASTM Test Mein	od(s) 🔲 IBC	Bullding Codu	
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Initial cho	cking of installation torq	ue values for the	adhesive a	nchor nuts w	as begun	on 11/27 a	nd final chec	king was		
completed	l on 11/28. Approximatel	y six nuts were to	sted at ran	dom location	s on each	parking le	vel. All nuts	checked were		
	neet or exceed the projec				as requir	ed by the o	irawings by	Witherspoon,		
Kalley, Da	evenport and Toole, date	1 7/28/06, Sheet A	.000, section	n 3.2(A)7.					···	
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OD SERVATIO	NS AND RESULTS REPORTED	TO	מ	ennis		OF	Goeb	el Construction	1	

CONFORMANCE OF WORK- ITEMS INSPECTED

✓ ALL CONFORM

DO NOT ALL CONFORM (Re-inspection required, see notes)

TO APPROYED PLANS/SPECIFICATIONS & REFERENCED CODES. NOTE: This is a proliminary

document until reviewed and signed by GeoEngineers' technical representative.

Technical Representative

Respectfully submitted,

Geo£ngineers, Inc.

DISCLAMER:

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November 21, 2006

River Park Square 808 West Main Avenue Spokane, Washington 99201

Attention: Kerry Novell

Subject: Final Report

Special Inspection and Construction Observation

River Park Square Parking Garage Barrier Enhancements

Building Permit No. B0609922

File No. 15371-001-01

### INTRODUCTION AND SCOPE

This final report, which is submitted in accordance with the 2003 International Building Code (IBC), summarizes results of special inspections, field tests and observations we performed for the River Park Square Parking Garage Barrier Enhancements project. The project site is located at 808 West Main Avenue in Spokane, Washington. Our services were accomplished in general accordance with our August 9, 2006 services agreement and the requirements of Chapter 17 of the IBC. Our services were authorized on October 25, 2006.

#### SUMMARY OF SERVICES

In the course of providing our authorized scope of services, we made nine visits to the site between October 27 and November 21, 2006. Site visits were generally made in response to notification by the general contractor, Goebel Construction, of the progress of the work. The results of our field tests and observations, including any problems noted and/or corrected during our site visits, were reported to the contractor's field superintendent by our field technician(s). Daily field reports summarizing our tests and observations were submitted after each site visit.

We performed the following tasks for designated portions of this project, in accordance with our authorized scope and the requirements of the project documents and applicable codes:

- 1. Visual inspection of field welding for concrete panel steel reinforcements.
- 2. Epoxy anchor installation inspection.
- 3. Epoxy anchor pull tests for strength verification.

Trained and certified personnel, or trainees under their direct supervision, performed special inspection and construction monitoring work for the project. Testing was performed in accordance with applicable ASTM/AWS/AASHTO test methods and in a manner consistent with the level of care and skill ordinarily exercised by inspection firms practicing in the area. Engineering review and administrative support tasks also were performed as necessary to complete the requested services. We did not continuously observe any phase of the work, therefore we make no representation regarding the quality of work we did not

River Park Square November 21, 2006 Page 2

observe. Quality of work is the responsibility of the contractor and no warranty is provided or implied by our presence or activities on the project.

#### CONCLUSION

Based on our observations and test results, it is our judgment that the work requiring special inspection we observed on this project was, to the best of our knowledge, in conformance to the approved project plans and specifications, and the applicable workmanship provisions of the 2003 International Building Code.

This report finalizes our involvement with the River Park Square Parking Garage Barrier Enhancements project. We appreciate the opportunity to be of service to you. If you have any questions regarding the contents of this final report or our previously submitted daily field reports, please call Matt Blankenship of our office, or me.

Respectfully submitted,

GeoEngineers, Inc.

Timothy D. Barber, WABO, ICBO

Field Inspection Supervisor

TDB:tlm

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cc: Goebel Construction (Terry Goebel); City of Spokane Building Department

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808 W Main Ave 130609922



DEPARTMENT OF BUILDING AND CODE ENFORCEMENT 808 W. SPOKANE FALLS BLVD. SPOKANE, WASHINGTON 99201-3343 (509) 625-6300 FAX (509) 625-6124/(509) 625-6822 www.buildingspokane.org

January 2, 2007

Robert B. Goebel General Contractor, Inc. Terminal Box 3086 Spokane, WA 99220

Dear Mr. Goebel:

This letter is to inform you that the **Spandrel Enhancement** work on the **RPS Parking Garage at 808 West Main Avenue** has been completed by your company, and the work has been inspected and "finaled" by Bill Leonetti, Building Inspector of the City of Spokane.

The permits include B0609922BU, All Level-Structural Spandrel Enhancement, and B0608286BU, Repair Pink Level Spandrel.

The work on the spandrels has been completed and approved per the requirements of the structural engineers. All special inspections required by the City have been completed to the City's and the special inspector's satisfaction and are attached to the permit file.

If you have any questions about this, please feel free to contact me at (509) 625-6145, Monday through Friday.

Yours truly.

Larry Naccarato Plan Examiner

LN/pep

Copies to:

Joseph Wizner, Building Official

Dan Skindzier, Inspector Supervisor V Bill Leonetti, Lead Building Inspector

\building\share\planrev\Main, 808 W spandrel work completed