

MEMORANDUM
For Meeting of February 10th, 2009

TO: Mayor and Councilmembers
THROUGH: Steve Worthington
FROM: Russ Blount
SUBJECT: **Resolution 1284** – Authorize Agreement with David Evans and Associates for Design and Permit Assistance for 54th Avenue/UPRR Pedestrian Crossing

REPORT IN BRIEF: The design and permitting of a pedestrian crossing at the location of the 54th Avenue/Union Pacific Railroad (UPRR) emergency grade crossing may reduce fence cutting and illicit crossings, but permitting complexities require a high level of effort relative to construction cost. David Evans and Associates (DEA) has considerable experience in the area and with the UPRR. City staff evaluated the qualifications and performance data on file for engineering and design firms on the City's roster and deemed DEA to be the most qualified. City staff negotiated an agreement with DEA for the attached scope of services and fee schedule, in an amount not to exceed a total of \$48,830.

BACKGROUND: On November 27, 2001, the Council voted to commit to closing 54th Avenue to general vehicular traffic at grade across the Union Pacific Railroad no later than August 1, 2003. On September 27, 2005, the Council voted to adopt Resolution 990, authorizing a First Addendum to the City's Interlocal Agreement with the Fife School District; paragraph 10 of that First Addendum stated that the grade crossing would "not be opened to non-emergency traffic or use until the 54th Avenue Underpass is completed".

Subsequent to those past agreements, the Radiance plat has been developed and homes therein have been built and occupied south of the UPRR tracks. Residents of those homes include junior-high aged children and others interested in access to the Columbia Junior High School (JHS) campus and Fife's Dacca Park, located north of the UPRR tracks. Vandals have frequently cut the fences bordering the Radiance plat and Columbia JHS sites. Pedestrians have gone through such cuts, or climbed the fences, and have been observed crossing the tracks at a variety of locations.

ATTACHMENTS: Resolution 1284, DEA's proposed scope and fee.

DISCUSSION: The Fife School District has informally indicated support for the construction of a pedestrian crossing as a means to reduce uncontrolled crossings. The permitting of such crossings is complex and is likely to involve extensive coordination with both the UPRR and the Washington State Utility and Transportation Commission.

FISCAL IMPACT: The proposal is for services to be provided on an hourly basis, with the fee limited to \$48,830 unless further authorized.

ALTERNATIVE COURSES OF ACTION:

1. Approve Resolution 1284 as written.
2. Amend Resolution 1284, and then approve as amended
3. Decline to approve Resolution 1284

RECOMMENDATIONS: Approve Resolution 1284 as written.

SUGGESTED MOTION: Motion to approve Resolution 1284.



Russ Blount
 Public Works Director

Approved for Agenda



Steve Worthington
 City Manager

RESOLUTION NO. 1284

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF FIFE, PIERCE COUNTY, WASHINGTON AUTHORIZING THE CITY MANAGER TO EXECUTE A CONTRACT WITH DAVID EVANS AND ASSOCIATES FOR DESIGN OF AND PERMIT ASSISTANCE FOR THE 54TH AVENUE/UPRR PEDESTRIAN CROSSING

WHEREAS, pursuant to an interlocal agreement with the Fife School District, 54th Avenue is currently closed to all non-emergency traffic at the UPRR crossing; and

WHEREAS, an increase in the number of residents living south of the UPRR crossing, desiring access to Columbia Junior High, located north of the crossing, has increased the incidents of vandalism and unauthorized pedestrian crossing, making it necessary to develop a safe pedestrian crossing; and

WHEREAS, the permitting process for rail road crossings is complex and requires a high level of effort and expertise; and

WHEREAS, City staff evaluated the qualifications and performance data on file for engineering and design firms on the City's roster and deemed David Evans and Associates (DEA) to be the most qualified; and

WHEREAS, the City negotiated an agreement with DEA for the scope of services attached hereto as Exhibit A, on an hourly basis, not to exceed a total of \$48,830, which the Council finds is fair and reasonable; now, therefore,

BE IT RESOLVED that the City Manager is authorized to execute a professional services contract with DEA using the City's standard terms and conditions, for design of and permit assistance for the 54th Avenue/UPRR pedestrian crossing in accordance with the scope of work and schedule of rates attached hereto as Exhibit A, in an amount not to exceed \$48,830.

ADOPTED by the City Council at an open public meeting held on the 10th day of February, 2009.

Barry D. Johnson, Mayor

Attest:

Steven Marcotte, City Clerk/Treasurer

**EXHIBIT A
SCOPE OF SERVICES**

CITY OF FIFE

**54TH AVENUE/UPRR PEDESTRIAN GRADE CROSSING
9/15/08**

INTRODUCTION

The City of Fife (CITY) has requested that David Evans and Associates, Inc. (DEA) provide the CITY with professional services for the 54th Avenue/UPRR Pedestrian Grade Crossing project. The project will include a Z-type of approach from each side with fences, paving, signage and other minor improvements. Union Pacific Railroad (UPRR) may require modification of the existing crossing and signal improvements to accommodate the proposed pedestrian crossing. All signal system design work will be accomplished by the UPRR. The existing road grades will be utilized to the extent possible.

TASK 1 - PROJECT MANAGEMENT

For this project DEA will:

- Provide professional engineering management and supervision throughout the duration of the project;
- Organize and attend start-up meeting with the CITY and City staff to review the project, its expected outcome, establish lines of communication within the CITY ;
- Provide bi-weekly updates to the CITY on the status of the work being done. The update will identify tasks that must be performed by DEA and by the CITY for the upcoming two-week period to keep the project on schedule;
- Provide project administrative services to include invoicing, project record management and project archiving. DEA will prepare and submit monthly invoices to the CITY. The invoice will include a summary of the hours of work utilized during the billing period. It will include the individuals who worked on the project and the hours they spent on the project. The invoices will show labor and expenses correlated to the task numbers included herein; and
- Provide QA/QC review throughout the project.

**TASK 2—UPRR & WASHINGTON UTILITY AND TRANSPORTATION COMMISSION
COORDINATION**

- Meet with Union Pacific Railroad's (UPRR) Manager-Industry and Public Projects to review the pedestrian grade crossing project and discuss the UPRR requirements for pedestrian grade crossings. Prepare memorandum describing the process, probable timeline, and the required agreements for the railroad.

- Review with UPRR any required property easements or permits across the railroad. Assist the City of Fife with preparation of requests to UPRR for easements or permits including the preparation of exhibits and attendance at meetings.
- Meet with Washington Utility and Transportation Commission (WUTC) staff and prepare preliminary WUTC applications for authority to install the pedestrian grade crossing across the UPRR. Attend diagnostic at the crossing with City of Fife, UPRR officials and a WUTC representative.
- Coordinate with the UPRR on preparation of the Construction and Maintenance (C&M) Agreement required to perform work on UPRR right-of-way. Coordinate with City of Fife regarding preparation and review of the C&M Agreement.
- Perform final review of the draft C&M Agreement from UPRR so that the City of Fife's attorney can proceed with City Council approval and execution of the agreement with UPRR.
- Coordinate with the UPRR on preparation of the Crossing Permit for the proposed pedestrian grade crossing. Coordination will include the preparation of exhibits to be attached to the permit agreement.

TASK 3—GRADE CROSSING DESIGN

- DEA will perform limited topographic surveying and mapping of the proposed grade crossing site. The mapping will extend along the UPRR track approximately 300 feet each direction from the existing 54th Avenue grade crossing and approximately 250 feet each direction from the centerline of the UPRR track along 54th Avenue. The mapping will extend to the right-of-way lines of the railroad and 54th Avenue.
- Prepare pedestrian grade crossing plans and specifications including grading, paving, fencing, signage, and crossing signal layout (if required by UPRR). Plans will include plan, profile, sections and details of the proposed improvements. The scope of services does not include the design of any grade crossing signal improvements required by UPRR other than to show the location of crossing signals and the associated signage and pavement markings.
- Prepare and submit 60%, 90%, and 100% plans for the pedestrian crossing for review with railroad, and WUTC. When approved by railroad and the WUTC, the final plans become an Exhibit to the C&M Agreement with the railroad. The plans will also be the basis for the exhibits that accompany the Crossing Permit from the UPRR and the agreement with the WUTC.

EXCLUSIONS AND CONDITIONS OF WORK

The following work tasks or conditions of work are not included in this Scope of Services:

1. Negotiations with impacted utilities that involve differences that cannot easily be resolved by DEA;
2. Attendance at public meetings or hearing;
3. Negotiations with adjacent property owners that cannot easily be resolved by DEA;
4. Surveying of property lines or performing survey work that would require the filing of a Record of Survey;

5. Property rights or easement acquisition. and

PROJECT COMPLETION

DEA will be available to begin work immediately upon authorization of this Scope of Services and will continue until the project is completed on a mutually agreed schedule.

REIMBURSABLES

Reimbursable expenses will include:

- Fees for reprographics services;
- Postage and mailing;
- Materials inspection and testing services.

**CITY OF FIFE
54TH AVENUE PEDESTRIAN GRADE CROSSING PROJECT
EXHIBIT A-1
SCHEDULE OF RATES AND ESTIMATED HOURS**

	A	B	C	D	E	G	H	I	J	M	O	P
		WBS	Project	Project	Project	CADD	Project	2-Person	Survey	Contract	Task Costs	Task Sums
		CODE	Manager	Surveyor	Engineer	Tech	Surveyor	Crew	Tech	Admin.		Expenses
		#								Support		
1												
2	DAVID EVANS AND ASSOCIATES, INC											
3	3700 PACIFIC AVENUE EAST, SUITE 311											
4	TACOMA, WA. 98424											
5												
6	Estimate based on 95 working days with a one-year monitoring period to follow.											
7												
8	TASK 1--PROJECT MANAGEMENT											
9	Provide professional management and engineering supervision		4							4	\$ 1,080.00	
10	Organize and Attend Start up Meeting with City		4		4		4			2	\$ 1,870.00	
11	Provide Bi-weekly Updates on Status of Project		4		16					2	\$ 2,850.00	
12	Provide Project Administrative Services		4							8	\$ 1,380.00	
13	Provide QA/QC for the Project		4		8		4				\$ 2,200.00	
14											\$ -	
15	Total		20	0	28	0	8	0	0	16	\$ 9,380.00	\$ 9,380.00
16												
17	TASK 2--UPRR & WASHINGTON UTILITY AND TRANSPORTATION COMMISSION COORDINATION											
18	Meet with UPRR		8		16					2	\$ 3,630.00	
19	Meet with WUTC		8		16					2	\$ 3,630.00	
20	Assist with Preparation of UPRR Construction & Maintenance Agreement		4		8	4				2	\$ 2,270.00	
21	Assist with Preparation of UPRR Crossing Permit		4		8	12				2	\$ 3,030.00	
22	Assist with Preparation of WUTC Crossing Permit Application		4		8	12				2	\$ 3,030.00	
23											\$ -	
24											\$ -	
25	Total		28	0	56	28	0	0	0	10	\$ 15,590.00	\$ 15,590.00
26												
27	TASK 3--GRADE CROSSING DESIGN											
28	Topographic Surveying and Mapping			2				24	24	2	\$ 6,480.00	
29	Prepare Pedestrian Grade Crossing Plans and Specifications				40	48				8	\$ 9,960.00	
30	Prepare Plan Review Submittals				8	8				8	\$ 2,320.00	
31											\$ -	
32											\$ -	
33											\$ -	
34											\$ -	
35	Total		0	2	48	56	0	24	24	18	\$ 18,760.00	\$ 18,760.00
36												
45												
73												
74	Total Hours		48	2	132	84	8	24	24	44		
75	Rate		\$ 195.00	\$ 165.00	\$ 120.00	\$ 95.00	\$ 115.00	\$ 155.00	\$ 95.00	\$ 75.00		
76	Labor		9,360.00	330.00	15,840.00	7,980.00	920.00	3,720.00	2,280.00	3,300.00	\$ 43,730.00	\$ 43,730.00
77												
78												
79												
80												
81	CONTINGENCIES/EXTRA WORK											\$ 4,000.00
82												
83	EXPENSES											
84	Reproduction, Postage, Express Delivery											\$ 500.00
85	Mileage											\$ 600.00
88												
87	TOTAL PROJECT COST											\$ 48,830.00
88												
89												
90												
91												