PUBLIC WORKS DEPARTMENT MEMORANDUM #2012 – 03

DATE: January 26, 2012

TO: Honorable Mayor Joyce Downing and City Council Members

FROM: William A. Simmons, City Manager

David H. Willett, Director of Public Works

Amanda J. Peterson, Director of Parks, Recreation & Cultural Services app

SUBJECT: CR – 09; Pedestrian Underpass at Washington Street on Grange Hall Creek -

Adams County Open Space Grant Submission.

BACKGROUND

The purpose of the Grange Hall Creek Improvement project is to address existing drainage concerns along Grange Hall Creek from Grant Drive to Irma Drive. This is a multiple year and a multiple phase project. Proposed improvements include: improved flood conveyance, reduction in the Washington Street Pond embankment height to comply with jurisdictional dam criteria, stormwater quality, channel stability, erosion control, pedestrian and vehicular safety by inclusion of an underpass, passive recreation and aesthetics.

Funding in the amount of \$1,650,000.00 is identified in the five-year Capital Improvement Program for Phase I of this project. Our project development partner, Urban Drainage and Flood Control District (UDFCD) has committed funding in the amount of \$650,000.00. In addition, funding in the amount of \$600,000.00 may be available through Adams County Community Development Block Grants (CDBG). The estimated cost of the project is \$2,956,460. This leaves a funding deficit of \$56,460.

Given the budget deficit, and the potential loss of some/all of the CDBG funding, staff has prepared an application for submission to Adams County Open Space for a passive use grant. The project component improvements that would be funded by the grant include the up-sized culvert for the pedestrian underpass, trail connections, hand and safety railings, lighting and landscaping. A complete copy of the **draft** application and attachments accompany this memorandum for Council review.

Also, in an effort to garner support for the project, staff has sought letters of support from the following organizations and individuals: Northglenn Ambulance, Gethsemane Lutheran Church & School, Northglenn Parks & Recreation Advisory Board, and other individual users of the regional trail. All letters that are received by Friday, January 27 will be included in the final application.

BUDGET/TIME IMPLICATIONS

The \$1,650,000.00 in identified Northglenn CIP funds has been approved through the 2012 budget process regardless of the outcome of this grant application. The complete grant application is due to Adams County by February 1, 2012.

RECOMMENDATION

Staff recommends that Council approve the attached resolution, supporting the submission of a grant application in the amount of approximately \$500,000 for the Pedestrian Underpass at Washington Street on Grange Hall Creek, to Adams County Open Space in the passive use category for the spring 2012 grant cycle.

STAFF REFERENCE

David H. Willett, P.E., Director of Public Works
Pam Acre, Stormwater Coordinator

dwillett@northglenn.org or 303.450.8783 pacre@northglenn.org or 303.450.8792

Attach: Draft Grant Application with accompanying Attachments A through I.

SPONSORED BY: MAYOR DOWNING COUNCILMAN'S RESOLUTION RESOLUTION NO. CR-9 No. Series of 2012 Series of 2012 A RESOLUTION SUPPORTING A GRANT APPLICATION TO BE SUBMITTED TO THE ADAMS COUNTY OPEN SPACE FOR FUNDING FOR THE PEDESTRIAN UNDERPASS AT WASHINGTON STREET ON GRANGE HALL CREEK PROJECT WHEREAS, funding has been identified in the five-year Capital Improvement Program for the Grange Hall Creek (Washington St. Detention) Phase I Project, which includes the construction of a pedestrian underpass at Washington Street on Grange Hall Creek; and WHEREAS, a pedestrian underpass will provide for the physical separation between trail users and motor vehicle traffic to minimize potential conflicts and maximize trail user safety; and WHEREAS, the City Council desires to express its support of the submission of an Adams County Open Space Grant Application to obtain funding for the Pedestrian Underpass at Washington Street on Grange Hall Creek Project. NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF NORTHGLENN, COLORADO, THAT: The City Council of the City of Northglenn is in full support of submitting a grant application to Adams County Open Space to obtain funding for the Pedestrian Underpass at Washington Street on Grange Hall Creek Project. DATED, at Northglenn, Colorado, this ______day of _______, 2012. JOYCE DOWNING Mayor APPROVED AS TO FORM: ATTEST: COREY Y. HOFFMANN JOHANNA SMALL, CMC

City Attorney

City Clerk



Adams County Open Space Grant Application Passive Use

Due Date: February 1, 2012

PART I: ELIGIBILITY CRITERIA

	FARTI. ELIGIBLITY CRITERIA							
Contract of the	Project Information							
	Applicant Organization N	Name:	City of Northglenn					
	Sponsoring Jurisdiction:		Same					
	Name of Project:		Pedestrian Underpass at Was	hingtor	Street o	n Grange Ha	all Cre	eek
	This project is priority 1 of 2 project(s) submitted.							
	* Prioritize project separ organization.	rately i	f you are submitting joint pr	ojects v	vith ano	ther jurisdi	ction	, special district, or
10000	Contact Information							
Primary Contact Name: Pam Acre				Title:	Stormwater Coordinator/Project Manager			
	Phone:	(303) 450-8792			Email:	pacre@northglenn.org		
	Address: 11701 Community Center Drive							
City: Northglenn			State:	CO Zip:	802	233		
			ove will be used for all offici additional contacts for this		sponde	nce. In the	even	t that the primary contact
	Name:		Title:	Phon	e:			Email:
Amanda Peterson Director of Parks, Recreation & Cultural Services		(303)	450-8950	0		apeterson@northglenn.org		



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Project Summary Budget Summary Briefly describe your project (<100 words). **Grant Request** \$535,727.00 Northglenn proposes the construction of a regional trail (this cycle only): underpass of Washington Street, in cooperation with Previous ADCO Grants \$0.00 Urban Drainage. The underpass will provide for the (this project only): physical separation between trail users and motor Matching Funds vehicle traffic to minimize potential conflicts and \$357,152.00 (cash + in-kind): maximize trail user safety. The City wishes to pursue a unique opportunity to piggyback the trail component Total Project Costs: \$892,879.00 into a larger drainage improvement project so both facilities can be built as an integrated whole, taking **Grant Request:** 60 % of Total Project Costs advantage of economies of scale for construction and addressing a regional trail connection that would otherwise be cost prohibitive. Complete the Project Budget labeled **Attachment A** at Construction includes access ramps, sidewalk the end of this application. connections, signage, lighting and revegetation. **Summary of Funding** 1. Previous Funding a. Pursuant to the Open Space Policies and Procedures, a project can be submitted for funding consideration up to three (3) times. i. Has this grant been submitted for funding consideration in a previous grant cycle? ii. If yes, please list the grant cycle(s) and the amount of the award(s), if any: Award Amount: Grant Cycle:

Property Location Inform		
Property Location inform	iation — A service and the ser	
Project Site Address:	Washington Street at Grange Hall Creek - No assigned address	
Nearest cross streets:	E. 105th Pl. (S), Garland St. (N) UNDERPASS TO BE WITHIN WASHINGTON ST. RIGHT-OF-WAY	
Parcel ID# (REQUIRED):	171,910,414,032	
Include a Location Map and label as Attachment E . Location Map should clearly identify the location of the project (including the nearest cross streets) and should provide directions to the project site.		

Land Acquisition Summary (if applicable)	MM/6 2013年2月2日 1880年
Number of acres:	Cost per acre:



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Appraised price per acre:	
If the purchase price is more than the appraisal price, please explain:	
Attach a copy of the appraisal summary page and label as Attachment J .	
Are there any known existing easements on the project site? (Yes (No	-
If yes, attach copies of the easement and label as Attachment K .	
I understand that a conservation easement is required for all open space acquisitions.	

PART II: SELECTION CRITERIA

The criteria listed below will be scored by the Open Space Advisory Board.

Grant Fund Use Category (0-100 point total)

1. Project Description (0-25 points)

a. Please describe each component of the project and scope of work in detail. Attach a Project Timeline and label as **Attachment B.**

This grant application is for the installation of a regional trail underpass that is currently unfunded and can not be built as part of a drainageway project unless funding can be secured to cover all trail related construction costs. At this time, funding has been identified from the City of Northglenn, Urban Drainage and Flood Control District and Adams County Community Development Block Grants for 40% of the trail and underpass costs. If the Open Space Grant request is awarded, it will be used to implement the remaining 60% of the trail-related improvements.

The pedestrian underpass will connect both sides of the existing Grange Hall Creek Regional Trail under Washington Street, north of 104th Ave. This underpass will eliminate the Washington Street arterial street barrier and resolve safety issues of trail users attempting to cross at-grade, midblock. The underpass will also help us create a continuous trail link to the proposed FasTracks station at 112th Ave & Irma Dr.

This project will be constructed as part of the joint City of Northglenn and Urban Drainage and Flood Control District's (UDFCD) project to begin improvements according to the Grange Hall Creek: Grant Drive to Irma Drive, Major Drainageway Planning (2010), Phase I, Washington Street to Larson Drive Final Design (see Attachment H, Partner Letter). The proposed underpass evolved out of a project to design and construct drainage improvements to eliminate overtopping street flooding and continued channel degradation.



As the existing regional trail along Grange Hall Creek dead-ends on either side of Washington Street, which causes users to detour up to Garland Dr. or down to E 104th Ave to cross at a signal, a need was recognized to help provide a grade separated trail connection.

A pedestrian underpass is not a necessary or required engineering component of the drainage improvement project. However, by combining the pedestrian underpass with the construction of the drainage improvements, construction costs can be leveraged to complete a much needed regional trail connection.

The plan incorporates the following features that are "added components" that are specific to the pedestrian underpass, and would not be a part of a standard drainage improvement plan:

- Upsizing one of the three box culverts from a 6'x6' to 10'x9
- Concrete regional trail approaches and sidewalk connections with appropriate hand and safety rails
- Decorative concrete retaining walls and wing walls with graffiti coating on concrete surfaces as approved for trail approaches
- Safety lighting, including inside the underpass and along the trail
- Underpass underdrain system
- Revegetation (native and wetland trees, shrubs and grasses), as well as boulders to serve as seats, trail delineators and accents to help preserve the natural appearance of this area

b. Attach a Project Site Plan that identifies all project components and label as Attachment D.

2. Community Need/Urgency (0-25 points)

a. Clearly describe how this project will fulfill needs of the community (i.e. the project provides passive recreation opportunities for underserved areas, addresses health and safety issues, protects wildlife habitat and natural resources, etc.).

The City of Northglenn's Parks and Recreation Master Plan identifies the need to create an alternative access route along the Grange Hall Creek Trail at Washington Street. This highly used trail runs east of Washington Street and west of Washington Street, but it is not continuous, and there is heavy traffic on the thoroughfare. The mid-block underpass is necessary to create and keep a continuous trail along the creek. The separated crossing will reduce and/or eliminate the conflicts between pedestrians, bicyclists and motor vehicles. Community members and users of the trail have requested an alternate access route along the trail at Washington Street for decades. The need for the underpass grows each year as traffic volume increases along Washington Street.

There are two elementary schools, two churches, an apartment complex, and numerous businesses in close proximity to the currently non-connected trail. An underpass will increase the safety and the quality of life for community members as they are able to move with greater ease along the trail. Users of the trail will be able to increase their ability to exercise along the path, thereby promoting health and well-being and decreasing the incidence of obesity. Local families may take advantage of this amenity



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Due Date: February 1, 2012

and it will facilitate their ability to access local schools, churches, and businesses. Parents have indicated they will feel secure knowing that their children do not have to cross a busy intersection to reach their destination. The graded sidewalk will accommodate users of all abilities.

A FasTracks transit stop has been proposed at Irma and 112th. This improvement will create a greater need for alternate access routes throughout the city. Although the date for the construction of the north bound FasTrack project has been postponed, the city anticipates that it is a much needed transportation option for travelers commuting between Denver and Northglenn. It is part of the long range plan that has been created for Northglenn. The Grange Hall Creek Trail underpass will maximize the effectiveness of the transportation system in our community.

Improvements to the trail after the construction of the underpass will consist of benches, safety lighting, native plantings and sculpture indicative of the wildlife in the area. These amenities will beautify the trail, thereby improving the quality of the experience for its users and encourage continued use of this trail. The outcome is the promotion of a healthy lifestyle as users increase outdoor activity and "green exercise". The value of the properties will increase in the area, continuing to make Northglenn a desired community in which to live.

Basic needs such as access to schools and grocery stores will be made safer and more pleasant.

b. Explain the urgency to complete this project, including how the scope of the project will be affected if Adams County Open Space Grant funds go unsecured and what, if any, opportunities will be lost if the project does not receive grant funding this cycle.

This project is part of the UDFCD approved plans for Grange Hall Creek. An underpass has been designed as part of the improvements for this location. The underpass must be built at the same time as the drainageway improvement or it likely will never be built due to the substantial expense related to re-excavation of the roadway. This project is likely the one and only chance to provide a grade-separated trail connection at this location.

The schedule for the project hinges upon the lowering of a 48" diameter Denver Water Conduit which is required to construct the underpass. The lowering of the conduit and the associated extensive utility relocations that go with it, must begin by the month of November due to time constraints on allowable water outages for Broomfield, and must be completed in the winter months. It is imperative that an additional funding source for the pedestrian underpass be secured as soon as possible so that the scheduling of the utility relocations can begin.



3. Uses/Users (0-20 points)

a. Describe all current and anticipated future uses of the project.

Northglenn's regional trail along our Grange Hall Creek greenways is an important east-west connection through our city. This regional trail has direct connections to Thornton (to the east) and Westminster (to the west) as well as the Farmers Highline Canal Trail.

Use of the underpass is expected to be in line with other uses of our regional trails. Users include walker, joggers, bicyclists and in-line skaters.

The box culvert for the trail is designed to convey floodwaters during times of flood events. Despite the inclusion of three 6' x 6' box culverts to contain and convey floodwaters, events that exceed the 10-year flood are likely to inundate the trail underpass. This practice is common for underpasses associated with drainageways, and does not cause significant impact on the useability of the trail.

- b. Will the project be open to the public?

 Yes

 No
- c. If yes, explain how this project will appeal to a broad diversity of users.

The underpass will be constructed to City and UDFCD standards. It will be ADA accessable and will provide the public a separated crossing from the vehicular traffic on Washington Street. This multi-use regional trail attracts local, regional as well as more distant users and visitors. The targeted population to be served by the facility will be persons who choose to use the trail for recreational or transportation needs. The underpass itself will not be a specific destination, but is an element that will enhance and improve the overall trail user's experience and safety.

4. Connectivity (0-20 points)

a. Explain how this project fits into a regional or master plan. Attach relevant portions of the plan(s) and label as **Attachment G** (limit 3 pages).

The City of Northglenn Parks Master Plan seeks to achieve near-term and long-term capital improvements to the City's parks, public grounds and recreational assets and amenities. Both the Planning Commission and City Council adopted the Greenway Trail System Plan in 1974 as an official part of the City's Master Plan. Since then, the plan has been revised six times to reflect changing conditions and circumstances. In 1986, the plan was revised to include a goal of making the trail system consist of entirely off-street trails. As of the 2011 revision, the plan specifically identifies the need for a pedestrian underpass at Washington Street.

Funds are requested each year for Greenway Trail construction or improvements as part of the City's five-year CIP program. Whenever possible, the trails are constructed or relocated approximately 10 feet from the edge of any road for ease in maintenance and



Due Date: February 1, 2012

safety concerns. Planned trail improvements are consistent with the adopted Greenway Trail Master Plan and the Parks and Recreation Master Plan. Construction of the underpass will provide a safe, grade separated crossing for all trail users across Washington Street, one of the busiest arterials in the City.

b. Will this project link to other trails, parks, or open space properties in the applicant's jurisdiction or in another jurisdiction, now or in the future? If not, explain the significance of the project location.

Northglenn's regional trails currently connect to existing regional trail systems in neighboring Thornton and Westminster, which in turn link to Adams County trail systems and those along the South Platte River. The Washington Street crossing is an obvious disconnect in the trail system requiring users to travel approximately 750 feet north, cross the signalized intersection at Garland Drive and then travel another 750 feet south to pick up the trail again. The construction of the underpass will significantly reduce the potential conflict between motor vehicles and trail users attempting to directly cross Washington Street.

5. Wildlife/Natural Resources (0-5 points)

a. Describe the natural resources and/or wildlife habitat that exist on this property. Currently the project location contains minimal desirable plant species or habitat for wildlife. The creek channel to the east of Washington Street contains concrete and asphalt rubble that has been dumped over time in attempts to stabilize the channel and prevent Washington Street form washing out during larger storm events. This area also contains a number of Russian Olive trees and sucker Cottonwoods in the creek channel.

Upstream to the west of Washington Street, within the confines of this Phase of the project, there is minimal grass adjacent to the existing trail.

b. How will this project protect or enhance the existing natural resources on this property?

As the primary purpose for this overall project is drainageway improvements and creek channel stabilization, large storm events will no longer overtop Washington Street and wash out the creek channel resulting in soil in the waterway and silt in the wetland areas which destroys valuable wetland habitat, degrades water quality and impairs vegetative growth.

As part of compliance with a Federal U.S. Army Corps of Engineers, Section 404 Permit for work in a waterway, this project will replace trees with more desirable species, replace cattails with a more diverse wetland plant mix and add native shrubs and grasses to all the disturbed areas. All of this will better protect the stability of the creek channel and allow for the natural development of diverse plant colonies which in turn will attract wildlife to the area.

6. Open Space Sales Tax Goals (0-5 points)

a. Open Space Sales Tax dollars are to be used in accordance with Resolution 99-1, Section 8 (C). Please describe how the project complies with the Tax.

The use of Adams County Open Space funds to complete this project meets the requirements of the provisions of Section 8 (c)(i)(D) which allows tax revenues to be used



for this project and label as Attachment H.

"...to build and improve...trails...". The underpass will be an amenity to our existing trail

system and will be open to any individual, and exist for the use and benefit of the public.					
Project Funding (0-30 points)					
1. Funding Summary					
Grant Request	\$535,727.00	(this grant cycle only)			
Previous ADCO Grant Awards	\$0.00	(combined total - for this project only)			
Cash Match	\$343,953.00	_			
In-Kind Match	\$0.00				
Total Project Costs	\$892,879.00	_			
Grant	: Request = 60 % of the	Total Project Costs			
If total leverage (cash match + in-kind match) is not equal to or greater than 50% of the total project costs, please explain. Per the memo from the Open Space Advisory Board in their Spring 2012 Directions to Grant Applicants, under the heading "Local Match", on all projects other than Land Acquisition, the local match was reduced to 40% from 50%. This application complies with that requirement. Please use the space below to provide additional information regarding the costs included in the project budget included as Attachment A. This project is located in a highly used area from an underground utility perspective. In order to fit an underpass in under the roadway, a Denver Water conduit must be moved (lowered). This line is 48" in diameter and services Broomfield. A significant portion of the cost of adding the underpass is the cost associated with relocating utilities. Attached as supplemental information (Attachment A-1) with the budget is a detailed spreadsheet that identifies the costs specific to the pedestrian underpass by providing a comparison of the drainageway improvements vs. the improvements including the pedestrian underpass.					
2. 30% Distribution Will the applicant be using any Yes No Not Applica		rt of the cash match for this project?			
If yes, please list the amount b					
•		mple at the end of this application for guidance.			
4. Letters of Commitment Please provide a letter of com	mitment from each partner tl	hat is providing cash or in-kind contributions			



ssive Use

Project Support (0-30 points)

1. Community Outreach

Briefly describe any effort made on the part of the applicant to gain support for this project (i.e., community surveys completed, neighborhood meetings, solicited comments, etc.).

This project has been included in the five-year Capital Improvement Plan since 2008, which is reviewed annually by both the City Council and the Parks and Recreation Advisory Board. Both offer the public opportunity for input through formal public hearings. As a part of the five-year Capital Improvement Plan, this project has also been included in the Parks and Recreation Master Plan since 2011, which is also discussed, reviewed and adopted annually.

An article regarding the pedestrian underpass was included in the January issue of the Northglenn Connection. As a result of this outreach, XX community members submitted a letter of support for this project, these letters are included as Attachment I.

Our Parks & Recreation Advisory Board, appointed by elected members of our City Council supports the construction and use of Adams County Open Space tax funds to complete this missing trail connection and has also written a letter of support for this project.

As is required by the Parks and Recreation Master Plan, Capital Improvement Projects go through a formal public input process. Members of the community, including both adults and youth are invited to discuss their interest in the trail improvements with staff. Once funding for this project is identified, at least one public meeting will be scheduled to gather this additional input.

2. Letters of Support

Provide letters of support from at least two of the categories listed below and label as Attachment I:

- -- Adjacent landowners
- -- Adjacent cities or counties
- -- Federal or state agencies
- -- School districts or special districts
- -- Individual users or user groups
- * Letters must have been written within the past 12 months.
- * Form letters will not be accepted.
- * All letters of support must be submitted with grant applications. Letters received after the application deadline <u>will not</u> be accepted.

Project Management and Applicant's Past Performance of Awarded Projects (0-15 points)

1. Long-term Management

a. Describe how this project will be managed for long-term sustainability. Include in your answer the entity responsible for maintenance, the available resources, and the typical maintenance schedule.

Northglenn Parks staff will perform regular maintenance of landscape - mowing, watering, weeding, replacements as needed. Snow & ice removal on trail segments will occur with the current snow and ice removal program. Parks maintenance staff is funded out of our General



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UDFCD will provide regular mowing of the improved creek channels from the water line to the top of the banks approximately five times per year during the growing season. This function is paid for from the mill levys on each property within the County. UDFCD will also help Northglenn monitor the engineered components for safety and appropriate channel capacity for storm flow conveyance.

Each year UDFCD consults with the local jurisdictions to review this type of maintenance function and determine any additional needs. The attached letter (Attachment F) is provided as an example of the agreement between Northglenn and UDFCD. The agreement will be updated to include this project once the project is complete.

b. Is there a written agreement or Intergovernmental Agreement for things such as access or maintenance?

If yes, please provide a copy of this agreement and label as Attachment F.

2. Past Performance

In the space provided below, list <u>similar</u> projects that have received ADCO grant funds and have been successfully completed by the applicant (limit 5 projects). For example, if this is a trail project, list completed trail projects.

Project Name:	Project Manager:	Award Date:	Completion Date:
Croke Reservoir			

3. Pending Projects

Please list all projects that have been awarded ADCO grant funds but have not yet been completed.

- -- If an extension has been granted, please list the new due date in the "Due Date" column.
- -- If a project is past due, explain why the project has not yet been completed.

Project Name:	Award Amount:	Due Date:	Explain:	
NRC HVAC & Roof	\$500,000.00	Spring 2013		
Jaycee Park	\$135,000.00	Fall 2013		***************************************

Please mail 12 sets of the application and one electronic version (either through email to relsner@adcogov.org or on a CD) to the Adams County Open Space Staff no later than 4:30 P.M. on August 1, 2011. Please bind all 12 copies with either binder clips or rubber bands (no staples please). Applicants are strongly encouraged to use both sides of the paper when printing completed applications.



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Due Date: February 1, 2012

Please include the following attachments at the end of the application - not to exceed 11" x 17":

Attachment A - Project Budget

Attachment B - Project Timeline

Attachment C - Source of Funds

Attachment D - Project Site Plan

Attachment E - Location Map

Attachment F - Access or Maintenance Agreements (if applicable)

Attachment G - Master or Regional Plan (limit 3 pages)

Attachment H - Letters of Commitment from Project Partners

Attachment I - Letters of Support

If this request is to acquire land, please include the following attachments - not to excess 11" x 17":

Attachment J - Buyer's Appraisal. Provide one complete copy of the appraisal. Attach a copy of the appraisal summary to each of the 12 copies of the application.

Attachment K - Easement(s) (if applicable)

All facilities or land must be accessible to the public, except for conservation easements for agricultural and/or wildlife habitat preservation. All accessible facilities and land must comply with the Americans with Disabilities Act (ADA) and any applicable state or local regulations.

The Applicant understands that no land or interests acquired with revenues of the Opens Space Sales Tax may be sold, leased, traded or otherwise conveyed, nor may an exclusive license or permit on such land or interest be given, without the approval of such action by the BoCC. See resolution 99-1, Section 8(C)(iv).

I, the undersigned, having the authority to act on behalf of, acknowledge the receipt of the Adams County Open Space Policies and Procedures and agree to abide by the same.

Upon award of the Open Space Sales Tax funds, all participants are required to enter into a Grant Agreement with Adams County. In the case of land acquisitions, a conservation easement or Declaration of Covenants, Conditions and Restrictions will be required prior to receiving reimbursement.

Applicant's Signature:		Date:	Feb 1, 2012
Print Name:	Joyce Downing		
Print Title:	Mayor, City of Northglenn		

Attachment A - Project Budget

Date:

February 1, 2012

Project Name:

Pedestrian Underpass at Washington Street on Grange Hall C

Amount Requested:

\$535,727.00

% Total Project Costs: 60

All organizations or individuals providing in-kind contributions are <u>required</u> to provide a letter of commitment outlining their contribution(s) as stated in the Project Budget.

Description of Item/Expense	Grant Request	Previous ADCO Award	Applicant Match	Partner Match	In-Kind (funds/services to be provided by applicant or partner)	Total Project Costs
Denver Water Relocation	\$38,280.00		\$19,140.00	\$6,380.00		\$63,800.00
Other utility relocation	\$85,274.00		\$42,637.00	\$14,213.00		\$142,124.00
Trail Improvements	\$67,459.00		\$33,730.00	\$11,243.00		\$112,432.00
Pedestrian Underpass	\$246,390.00		\$123,195.00	\$41,065.00		\$410,650.00
Landscaping	\$98,324.00		\$49,162.00	\$16,387.00		\$163,873.00
Budget Total	\$535,727.00		\$267,864.00	\$89,288.00		\$892,879.00

BID ITE NO.	Work Costs M DESCRIPTION OF BID ITEM	QUANTIT	Y PAY UNI		UNIT PRICE		TOTAL COST O
1	MOBILIZATION	l	LS	\$	90,000.0	0 \$	90,000
2	WATER CONTROL AND DEWATERING	1	LS	\$	30,000.0	0 \$	30,000
3	TRAFFIC CONTROL	1	LS	\$	15,000.0	0 \$	15,000
4	CLEARING AND GRUBBING	1	LS	\$	5,000.0	0 \$	5,000
5	CONSTRUCTION SURVEYING	1	LS	\$	5,000.0	0 \$	5,000
6	CHECK DAM	3.00	EA	\$	2,000.0	0 \$	6,000
7	INLET PROTECTION	6.00	EA	\$	400.0	0 8	2,400
8	ROCK SOCKS	16.00	EA	- s	90.0	5 5	1,440
9	SILT FENCE	495.00	LF	\$	2.0	+	990
10	CONSTRUCTION FENCE	2,700.00	LF	- s	2.50	+-	6,750
11	OUTLET PROTECTION	3.00	EA	\$	100.00	+	300.
12	CONCRETE WASHOUT	1.00	EA	- s	2,000.00	+-	2,000
13	AREA VEHICLE TRACKING PAI	 	EA	\$	3,000.00	+	
14	SEDIMENT LOG	900.00	LF	\$		+	6,000
15	EROSION CONTROL	1,300.00	SY	\$	3.00	+-	2,700.
16	BLANKET STREET SWEEPING	1.00	+	-	9.00	+	11,700.
17		 	LS	\$	5,000.00	+-	5,000.
	ASPHALT REMOVAL	700.00	SY	\$	10.00	+	7,000.
18	WATERLINE REMOVAL	650.00	SY	\$	20.00	+	13,000.
19	(8") RELOCATE WATERLINE	100.00	LF	\$	10.00	\$	1,000.
20	(12" - VERTICALLY ONLY RELOCATE WATERLINE	60.00	LF	\$	300.00	\$	18,000.
21	(48" - VERTICALLY ONLY SANITARY SEWER	125.00	LF	\$	1,000.00	\$	125,000.
22	REMOVAL REMOVE STORM SEWER	230.00	LF	\$	20.00	\$	4,600.
23	(D<48")	849.00	LF	\$	10.00	\$	8,490.
24	REMOVE STORM SEWER (D>48")	24.00	LF	\$	20.00	\$	480.6
25	REMOVE STRUCTURE	9.00	EA	\$	3,000.00	\$	27,000.6
26	REMOVE RIPRAP	1.00	LS	\$	2,000.00	\$	2,000.0
27	REMOVE TREES	80.00	EA	\$	150.00	\$	12,000.0
28	TOPSOIL, EXCAVATE, STOCKPILE AND	2,729.89	CY	\$	10.00	s	27,298.8
29	EXCAVATION, FILL ONSITE	3,050.00	CY	\$	10.00	\$	30,500.0
30	EXCAVATION, HAUL OFFSITE	8,115.00	CY	\$	12.00	\$	97,380.6
31	STABILIZATION MATERIAL	200.00	CY	\$	40.00	\$	8,000.0
32	HOT BITUMINOUS PAVEMENT	88.16	TON	\$	160.00	\$	14,105.6
33	VERTICAL CURB AND GUITER	500.00	LF	\$	14.00	\$	7,000.0
34	PATTERNED CONCRETE SIDEWALK	200.00	LF	\$	15.00	\$	3,000.0
35	PEDESTRIAN TRAIL	200.00	SY	1	60.00	\$	12,000.0
36	3' SIDEWALK (LARSON)	31.33	SY	\$	60.00	5	1,880.0
37	8' SIDEWALK	355.56	SY	\$	60.00	\$	21,333.3
38	(WASHINGTON) TYPE L SOIL RIPRAP	72.22	CY	\$	50.00	\$	
39	TYPE M SOIL RIPRAP	1,243.79	CY	\$			3,611.0
40	TYPE H SOIL RIPRAP			+	60.00	\$	74,627.4
41		216.11	CY	\$	60.00	\$	12,966.6
	TYPE M RIPRAP	378.22	CY	\$	55.00	\$	20,802.2
42	15" PVC	656.00	LF	\$	40.00	\$	26,240.0
43	18" PVC	23.00	L.F	\$	46.00	\$	1,058.0
44	21" PVC	48.10	LF	\$	50.00	\$	2,405.0
45	4' DIA SAN MH	1.00	EA	\$	3,000.00	\$	3,000.0
46	5' DIA SAN MH	2.00	EA	\$	3,000.00	\$	6,000.0
47	5' DIA DROP MH	2.00	EA	\$	6,000.00	\$	12,000.0
48	8" PVC (WATER)	100.00	LF	\$	45.00	\$	4,500.0
49	10' TYPE R	1.00	EA	s	6,000.00	\$	6,000.0
50	15' TYPE R	5.00	EA	\$	10,000.00	\$	50,000.0
51	6' DIA STORM MH	3.00	EA	\$	4,000.00	\$	12,000.00
52	24" RCP	34.85	LF	\$	70.00	\$	2,439.50
53	30" RCP	17.41	LF	\$	85.00	\$	1,479.85
54	36" RCP	0.00	LF	s	100.00	<u> </u>	
55	9X6 CBC	62.20	LF	s	675.00	\$	41,985.00
56	18" RCP FES	1.00	EA	\$	800.00	\$	800.00
57	9X6 HEADWALL	80.00	CY	\$	650.00	\$	
58	10X5 CBC	155.00	LF	 			52,000.00
59	6X6 CBC	286.00		\$		\$	85,250.00
60			LF	\$		\$	171,600.00
	10X9 CBC 4" PERF PVC	40.00	LF	\$		\$	32,000.00
61	(UNDERDRAIN)	50.00	LF	\$		\$	900.00
62	12" PVC (UNDERDRAIN)	150.00	LF	\$		\$	3,000.00
63	CLEANOUT WASHINGTON DROP	2.00	EA	\$	800.00	\$	1,600.00
64	WASHINGTON DROP STRUCTURE CONCRETE	132.91	CY	\$	400.00	\$	53,164.44
65	LARSON DROP STRUCTURE I CONCRETE	122.50	CY	\$	400.00	\$	48,998.52
66	LARSON DROP STRUCTURE 2 CONCRETE	135.76	CY	\$	400.00	\$	54,305.19
67	LARSON DROP STRUCTURE 3 CONCRETE	147.50	CY	\$	400.00	\$	58,998.52
68	BOULDER EDGE	215.00	LF	\$		<u>.</u> §	19,350.00
69	CLASS B FILTER	134.44	CY	\$		Б	
70	MATERIAL UPSTREAM TRAIL	20.00	·				8,066.67
	HEADWALL	40.00	CY	\$	650.00	5	13,000.00
71	FLOODWALL	52.74	CY	\$	650.00	Ş	34,279.65

	Audenment A-1
Work and Pedestrian Crossing Work Costs Combined	Supplemental Budget Information

	Work and Pedestrian Crossing V DESCRIPTION OF O. BID ITEM	Vork Costs Co QUANTII Y			UNIT PRICE	TO	OTAL COST BID ITEM
1	MOBILIZATION	1	LS	\$	110,000.0	0 \$	110,000
2	WATER CONTROL AND DEWATERING	1	LS	\$	40,000.0	0 \$	40,000
3	TRAFFIC CONTROL	1 1	LS	\$	30,000.0	0 \$	30,000
4	CLEARING AND GRUBBING	1	LS	\$	10,000.0	0 \$	10,000.
5	CONSTRUCTION SURVEYING	1	LS	\$	10,000.0	0 \$	10,000.
6	CHECK DAM	3.00	EA	\$	2,000.0	0 \$	6,000.
7	INLET PROTECTION	6.00	EA	s	400.0	0 \$	2,400.
8	ROCK SOCKS	16.00	EA	\$	90.0	9 \$	1,440.
9	SILT FENCE	495.00	LF	\$	2.0	\$	990.
10	CONSTRUCTION FENCE	3,268.00	LF	\$	2.50) \$	8,170.
11	OUTLET PROTECTION	3.00	EA	\$	100.00) \$	300.
12	CONCRETE WASHOUT AREA	2.00	EA	\$	2,000.00) \$	4,000.
13	VEHICLE TRACKING PAI	2.00	EA	\$	3,000.00) \$	6,000.
14	SEDIMENT LOG	900.00	LF	\$	3.00	\$	2,700.
15	EROSION CONTROL BLANKET	6,405.00	SY	\$	9.00	\$	57,645.
16	STREET SWEEPING	1.00	LS	\$	5,000.00	5	5,000.0
17	ASPHALT REMOVAL	1,885.00	SY	\$	10.00	5	18,850.0
18	CONCRETE REMOVAL	1,300.00	SY	5	20.00	\$	26,000.0
19	WATERLINE REMOVAL	325.00	LF	\$	10.00	\$	3,250.6
20	RELOCATE WATERLINE (12" - VERTICALLY ONLY	60.00	LF	\$	300.00	\$	18,000.0
21	RELOCATE WATERLINE (48" - VERTICALLY ONLY	182.00	LF	\$	1,000.00	\$	183,000.0
22	SANITARY SEWER REMOVAL	495.00	LF	8	20.00	+	9,900.0
23	REMOVAL REMOVE STORM SEWER (D<48")	929.00	LF	\$	10.00	+	9,290.0
24	REMOVE STORM SEWER	24.00	LF	\$	20.00	\vdash	480.0
25	(D>48") REMOVE STRUCTURE	10.00	EA	5	3,000.00	+-	30,000.6
26	REMOVE RIPRAP	1.00	LS	\$	2,000.00	 	2,000.0
27	REMOVE TREES	101.00	EA	1	150.00	╁	
28	TOPSOIL, EXCAVATE,	3 205 (V)	CY	\$	10.00	\vdash	15,150.0 32,950.0
29	STOCKPILE AND REPLACE EXCAVATION, FILL	3,050.00	CY	\$		-	
30	ONSITE EXCAVATION, HAUL	9,615.00	CY	+	10.00	┼—	30,500.0
31	OFFSITE STABILIZATION	200.00	 	\$	12.00	\$	115,380.0
32	MATERIAL HOT BITUMINOUS	 	CY	\$	40.00	\$	8,000.0
	PAVEMENT VERTICAL CURB AND	138.91	TON	\$	160.00	\$	22,225.6
33	GUTTER PATTERNED CONCRETE	650.00	LF	\$	14.00	\$	9,100.0
34	SIDEWALK	230.00	LF	\$	15.00	\$	3,450.0
35	PEDESTRIAN TRAIL	1,436.86	SY	\$	60.00	\$	86,211.3
36	3' SIDEWALK (LARSON) 8' SIDEWALK	31.33	SY	\$	60.00	\$	1,880.0
37	(WASHINGTON)	408.89	SY	\$	60.00	\$	24,533.3
38	TYPE L SOIL RIPRAP	72.22	CY	\$	50.00	\$	3,611.0
39	TYPE M SOIL RIPRAP	1,243.79	CY	\$	60.00	\$	74,627.4
40	TYPE H SOIL RIPRAP	216.11	CY	\$	60.00	s	12,966.6
41	TYPE M RIPRAP	378.22	CY	\$	55.00	\$	20,802.23
42	15" PVC	656.00	LF	s	40.00	\$	26,240.00
43	18" PVC	207.20	LF	\$	46.00	\$	9,531.20
44	21" PVC	675.10	LF	\$	50.00	s	
45	4' DIA SAN MH	3.00		\$	50.50	•	33,755.0
46		3.00	EA	*	3,000.00	\$	
	5' DIA SAN MH	7.00	EA EA	\$		·	9,000.00
	5' DIA SAN MH 5' DIA DROP MH			-	3,000.00	s	9,000.00 21,000.00
47		7.00	EA	\$	3,000.00	\$	9,000.00 21,000.00 18,000.00
47 48	5' DIA DROP MH	7.00	EA EA	\$	3,000.00 3,000.00 6,000.00	\$ \$ \$	9,000.00 21,000.00 18,000.00 15,390.00
47 48 49	5' DIA DROP MH 8" PVC (WATER)	7.00 3.00 342.00	EA EA LF	\$ \$	3,000.00 3,000.00 6,000.00 45.00	\$ \$ \$	9,000.00 21,000.00 18,000.00 15,390.00 6,000.00
47 48 49 50	5' DIA DROP MH 8" PVC (WATER) 10' TYPE R	7.00 3.00 342.00 1.00	EA EA LF EA	\$ \$ \$	3,000.00 3,000.00 6,000.00 45.00 6,000.00	\$ \$ \$ \$	9,000.00 21,000.00 18,000.00 15,390.00 6,000.00
47 48 49 50	5' DIA DROP MH 8" PVC (WATER) 10' TYPE R 15' TYPE R	7.00 3.00 342.00 1.00 6.00	EA EA LF EA EA	\$ \$ \$ \$	3,000.00 3,000.00 6,000.00 45.00 6,000.00	\$ \$ \$ \$	9,000.00 21,000.00 18,000.00 15,390.00 6,000.00 12,000.00
47 48 49 50 51	5' DIA DROP MH 8" PVC (WATER) 10' TYPE R 15' TYPE R 6' DIA STORM MH	7.00 3.00 342.00 1.00 6.00 3.00	EA EA LF EA EA EA	\$ \$ \$ \$ \$	3,000.00 3,000.00 6,000.00 45.00 6,000.00 10,000.00	\$ \$ \$ \$ \$	9,000.00 21,000.00 18,000.00 15,390.00 6,000.00 12,000.00 2,439.50
47 48 49 50 51 52 53	5' DIA DROP MH 8" PVC (WATER) 10' TYPE R 15' TYPE R 6' DIA STORM MH 24" RCP	7.00 3.00 342.00 1.00 6.00 3.00 34.85	EA EA LF EA EA LA EA LF	\$ \$ \$ \$ \$ \$	3,000.00 3,000.00 6,000.00 45.00 10,000.00 4,000.00 70.00	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	9,000.00 21,000.00 18,000.00 15,390.00 6,000.00 12,000.00 2,439.50
47 48 49 50 51 52 53 54	5' DIA DROP MH 8" PVC (WATER) 10' TYPE R 15' TYPE R 6' DIA STORM MH 24" RCP 30" RCP	7.00 3.00 342.00 1.00 6.00 3.00 34.85 17.41	EA LF EA EA LA EA LA EA LA LA LA LA	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$	3,000.00 3,000.00 6,000.00 45.00 10,000.00 4,000.00	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	9,000.00 21,000.00 18,000.00 15,390.00 6,000.00 12,000.00 2,439.50 1,479.85 30,140.00
47 48 49 50 51 52 53 54	5' DIA DROP MH 8" PVC (WATER) 10' TYPE R 15' TYPE R 6' DIA STORM MH 24" RCP 30" RCP	7.00 3.00 342.00 1.00 6.00 3.00 34.85 17.41 301.40	EA EA LF EA EA LF LF LF LF	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	3,000.00 3,000.00 6,000.00 45.00 10,000.00 70.00 85.00 100.00 675.00	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	9,000.00 21,000.00 18,000.00 15,390.00 6,000.00 12,000.00 2,439.50 1,479.85 30,140.00
47 48 49 50 51 52 53 54 55 56	5' DIA DROP MH 8" PVC (WATER) 10' TYPE R 15' TYPE R 6' DIA STORM MH 24" RCP 30" RCP 36" RCP	7.00 3.00 342.00 1.00 6.00 3.00 34.85 17.41 301.40 62.20	EA LF EA EA LF LF LF LF LF	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	3,000.00 3,000.00 6,000.00 45.00 10,000.00 70.00 85.00 100.00 675.00 800.00	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	9,000.00 21,000.00 18,000.00 15,390.00 6,000.00 12,000.00 2,439.50 1,479.85 30,140.00 41,985.00
447 448 449 449 550 551 552 553 555 566 567	5' DIA DROP MH 8" PVC (WATER) 10' TYPE R 15' TYPE R 6' DIA STORM MH 24" RCP 30" RCP 36" RCP 9X6 CBC 18" RCP FES	7.00 3.00 342.00 1.00 6.00 3.00 34.85 17.41 301.40 62.20 1.00	EA EA LF EA EA LF LF LF LF LF CY	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	3,000.00 3,000.00 6,000.00 45.00 10,000.00 70.00 85.00 100.00 675.00 800.00	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	9,000.00 21,000.00 18,000.00 15,390.00 6,000.00 12,000.00 2,439.50 1,479.85 30,140.00 41,985.00 800.00
447 448 449 449 550 551 552 553 555 566 666 677	5' DIA DROP MH 8" PVC (WATER) 10' TYPE R 15' TYPE R 6' DIA STORM MH 24" RCP 30" RCP 9X6 CBC 18" RCP FES 9X6 HEADWALL	7.00 3.00 3.42.00 1.00 6.00 3.00 34.85 17.41 301.40 62.20 1.00 80.00	EA EA LF EA EA LF LF LF LF CY LF	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	3,000.00 3,000.00 6,000.00 45.00 10,000.00 4,000.00 70.00 85.00 100.00 675.00 800.00 550.00	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	9,000.00 21,000.00 18,000.00 15,390.00 6,000.00 12,000.00 2,439.50 1,479.85 30,140.00 41,985.00 800.00 52,000.00
447 448 449 449 550 551 551 552 553 554 555 566 577 579	5' DIA DROP MH 8" PVC (WATER) 10' TYPE R 15' TYPE R 6' DIA STORM MH 24" RCP 30" RCP 36" RCP 9X6 CBC 18" RCP FES 9X6 HEADWALL 10X5 CBC	7.00 3.00 3.00 1.00 6.00 3.00 34.85 17.41 301.40 62.20 1.00 80.00 155.00	EA EA LF EA LF LF LF LF LF LF LF LF LF L	\$ 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	3,000.00 3,000.00 6,000.00 45.00 10,000.00 70.00 85.00 100.00 675.00 800.00 650.00 600.00	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	9,000.00 21,000.00 18,000.00 15,390.00 6,000.00 12,000.00 2,439.50 1,479.85 30,140.00 800.00 52,000.00 85,250.00
447 448 449 449 550 551 552 552 553 553 554 555 566 566 577 577 578 588	5' DIA DROP MH 8" PVC (WATER) 10' TYPE R 15' TYPE R 6' DIA STORM MH 24" RCP 30" RCP 9X6 CBC 18" RCP FES 9X6 HEADWALL 10X5 CBC 6X6 CBC 10X9 CBC 4" PERF PVC	7.00 3.00 3.00 1.00 6.00 3.00 34.85 17.41 301.40 62.20 1.00 80.00 155.00 286.00 110.00	EA EA EA EA LF LF LF LF LF LF LF LF LF L	\$ 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	3,000.00 3,000.00 6,000.00 45.00 10,000.00 4,000.00 70.00 85.00 100.00 675.00 800.00 650.00 550.00 800.00	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	9,000.00 21,000.00 18,000.00 15,390.00 6,000.00 2,439.50 1,479.85 30,140.00 41,985.00 800.00 52,000.00 171,600.00
1447 1448 1448 1449 1550 1551 1552 1553 1555 1555 1555 1566 1566 1577 1577 1577	5' DIA DROP MH 8" PVC (WATER) 10' TYPE R 15' TYPE R 6' DIA STORM MH 24" RCP 30" RCP 9X6 CBC 18" RCP FES 9X6 HEADWALL 10X5 CBC 6X6 CBC 10X9 CBC 4" PERF PVC (UNDERDRAIN)	7.00 3.00 3.00 1.00 6.00 3.00 34.85 17.41 301.40 62.20 1.00 80.00 155.00 286.00 110.00 238.00	EA EA LF EA LF LF LF LF LF LF LF LF LF L	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	3,000.00 3,000.00 6,000.00 45.00 10,000.00 70.00 85.00 100.00 675.00 650.00 600.00 800.00 18.00	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	9,000.00 21,000.00 18,000.00 15,390.00 6,000.00 12,000.00 2,439.50 1,479.85 30,140.00 800.00 52,000.00 85,250.00 171,600.00 88,000.00 4,284.00
1448 1448 1449 1550 1551 1552 1553 1554 1566 157 1588 1599 159 159 159 159 159 159 159 159 15	5' DIA DROP MH 8" PVC (WATER) 10' TYPE R 15' TYPE R 6' DIA STORM MH 24" RCP 30" RCP 36" RCP 9X6 CBC 18" RCP FES 9X6 HEADWALL 10X5 CBC 6X6 CBC 10X9 CBC 4" PERF PVC (UNDERDRAIN)	7.00 3.00 3.00 1.00 6.00 3.00 3.485 17.41 301.40 62.20 1.00 80.00 155.00 286.00 110.00 238.00 566.28	EA EA LF EA LF LF LF LF LF LF LF LF LF L	\$ 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	3,000.00 3,000.00 6,000.00 45.00 10,000.00 70.00 85.00 100.00 675.00 800.00 650.00 18.00 18.00	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	9,000.00 21,000.00 18,000.00 15,390.00 60,000.00 12,000.00 2,439.50 1,479.85 30,140.00 41,985.00 800.00 52,000.00 85,250.00 171,600.00 4,284.00 11,325.60
447 448 448 449 550 551 552 553 554 555 566 567 577 599 590 590 591 592 593 593 594 595 595 595 595 595 595 595 595 595	5' DIA DROP MH 8" PVC (WATER) 10' TYPE R 15' TYPE R 6' DIA STORM MH 24" RCP 30" RCP 9X6 CBC 18" RCP FES 9X6 HEADWALL 10X5 CBC 6X6 CBC 10X9 CBC 4" PERF PVC (UNDERDRAIN)	7.00 3.00 3.00 1.00 6.00 3.00 34.85 17.41 301.40 62.20 1.00 80.00 155.00 286.00 110.00 238.00 566.28 5.00	EA EA LF EA LF LF LF LF LF LF LF LF LF L	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	3,000.00 3,000.00 6,000.00 45.00 10,000.00 70.00 85.00 100.00 675.00 650.00 600.00 18.00 20.00	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	9,000.00 21,000.00 18,000.00 15,390.00 60,000.00 12,000.00 2,439.50 1,479.85 30,140.00 800.00 52,000.00 171,600.00 88,000.00 4,284.00 11,325.60 4,000.00
447 448 449 550 551 552 553 554 555 556 657 57 588 60 60 61	5' DIA DROP MH 8" PVC (WATER) 10' TYPE R 15' TYPE R 6' DIA STORM MH 24" RCP 30" RCP 36" RCP 9X6 CBC 18" RCP FES 9X6 HEADWALL 10X5 CBC 6X6 CBC 10X9 CBC 4" PERF PVC (UNDERDRAIN) 12" PVC (UNDERDRAIN)	7.00 3.00 3.00 1.00 6.00 3.00 3.485 17.41 301.40 62.20 1.00 80.00 155.00 286.00 110.00 238.00 566.28 5.00 132.91	EA EA LF LF LF LF LF LF LF CY LF LF LF CY CY CF CF CF CF CF CF CF C	\$ 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	3,000.00 3,000.00 6,000.00 45.00 10,000.00 70.00 85.00 100.00 675.00 800.00 680.00 18.00 20.00 800.00	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	9,000.00 21,000.00 18,000.00 15,390.00 60,000.00 12,000.00 2,439.50 1,479.85 30,140.00 41,985.00 800.00 52,000.00 85,250.00 171,600.00 4,284.00 11,325.60 4,000.00 53,164.44
447 448 448 449 449 455 455 455 465 465 465 465 465	5' DIA DROP MH 8" PVC (WATER) 10' TYPE R 15' TYPE R 6' DIA STORM MH 24" RCP 30" RCP 36" RCP 9X6 CBC 18" RCP FES 9X6 HEADWALL 10X5 CBC 6X6 CBC 10X9 CBC 4" PERF PVC (UNDERDRAIN) 12" PVC (UNDERDRAIN) CLEANOUT WASHINGTON DROP STRUCTURE CONCRETE LARSON DROP STRUCTURE I CONCRETE	7.00 3.00 3.00 1.00 6.00 3.00 34.85 17.41 301.40 62.20 1.00 80.00 155.00 286.00 110.00 238.00 566.28 5.00 132.91 122.50	EA EA LF EA LF LF LF LF LF LF CY LF LF CY CY CY CY	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	3,000.00 3,000.00 6,000.00 45.00 10,000.00 70.00 85.00 100.00 675.00 800.00 650.00 18.00 20.00 400.00 400.00	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	9,000.00 21,000.00 18,000.00 15,390.00 6,000.00 12,000.00 2,439.50 1,479.85 30,140.00 41,985.00 800.00 52,000.00 85,250.00 171,600.00 4,284.00 4,000.00 53,164.44 48,998.52
447 448 449 550 551 552 553 554 555 566 577 569 560 560 560 571 572 573 574 575 575 575 575 575 575 575	5' DIA DROP MH 8" PVC (WATER) 10' TYPE R 15' TYPE R 6' DIA STORM MH 24" RCP 30" RCP 9X6 CBC 18" RCP FES 9X6 HEADWALL 10X5 CBC 6X6 CBC 10X9 CBC 4" PERF PVC (UNDERDRAIN) 12" PVC (UNDERDRAIN) CLEANOUT WASHINGTON DROP STRUCTURE 1 CONCRETE LARSON DROP STRUCTURE 1 CONCRETE LARSON DROP STRUCTURE 2 CONCRETE	7.00 3.00 3.00 1.00 6.00 3.00 34.85 17.41 301.40 62.20 1.00 80.00 155.00 286.00 110.00 238.00 566.28 5.00 132.91 122.50 135.76	EA EA LF LF LF LF LF LF LF CY LF LF LF CY CY CF CF CF CF CF CF CF C	\$ 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	3,000.00 3,000.00 6,000.00 45.00 10,000.00 70.00 85.00 100.00 675.00 800.00 680.00 18.00 20.00 800.00	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	9,000.00 21,000.00 18,000.00 15,390.00 60,000.00 12,000.00 2,439.50 1,479.85 30,140.00 41,985.00 800.00 52,000.00 85,250.00 171,600.00 4,284.00 11,325.60 4,000.00 53,164.44
447 448 449 449 449 449 455 550 551 552 553 554 555 556 657 558 559 559 559 559 559 559 559	5' DIA DROP MH 8" PVC (WATER) 10' TYPE R 15' TYPE R 6' DIA STORM MH 24" RCP 30" RCP 9X6 CBC 18" RCP FES 9X6 HEADWALL 10X5 CBC 6X6 CBC 10X9 CBC 4" PERF PVC (UNDERDRAIN) 12" PVC (UNDERDRAIN) CLEANOUT WASHINGTON DROP STRUCTURE LONCRETE LARSON DROP STRUCTURE I CONCRETE LARSON DROP	7.00 3.00 3.00 1.00 6.00 3.00 34.85 17.41 301.40 62.20 1.00 80.00 155.00 286.00 110.00 238.00 566.28 5.00 132.91 122.50	EA EA LF EA LF LF LF LF LF LF CY LF LF CY CY CY CY	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	3,000.00 3,000.00 6,000.00 45.00 10,000.00 70.00 85.00 100.00 675.00 800.00 650.00 18.00 20.00 400.00 400.00	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	9,000.00 21,000.00 18,000.00 15,390.00 6,000.00 12,000.00 2,439.50 1,479.85 30,140.00 41,985.00 800.00 52,000.00 85,250.00 171,600.00 4,284.00 4,000.00 53,164.44 48,998.52
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BID ITEM NO.	DESCRIPTION OF BID ITEM	QUANTITY	PAY UNIT		UNIT PRICE		TAL COST OF BID ITEM
73	DOWNSTREAM TRAIL HEADWALL	15.00	CY	\$	650.00	\$	9,750.00
74	DOWNSTREAM CBC HEADWALL	58.92	CY	\$	650.00	\$	38,300.85
75	TRENCH DRAIN	0.00	EA	\$	5,000.00	\$	-
76	UPSTREAM HEADWALL (LARSON)	44.80	CY	s	650.00	\$	29,123.05
77	DOWNSTREAM HEADWALL (LARSON)	31.47	CY	s	650.00	\$	20,456.94
78	PEDESTRIAN CULVERT LIGHTING	0.00	LS	\$	30,000.00	\$	*
79	UPLAND SEED MIX	140,390.00	SF	\$	0.25	\$	35,097.50
80	WET MEADOW SEED MIX	20,430.00	SF	\$	0.25	\$	5,107.50
81	#5 CONT SHRUBS	325.00	EA	\$	35.00	\$	11,375.00
82	2" CAL. ORNAMENTAL TREES	50.00	EA	\$	400.00	\$	20,000.00
83	1 1/2" CAL ORNAMENTAL TREES	25.00	EA	\$	350.00	\$	8,750.00
84	HANDRAIL (STAIRS)	20.00	LF	\$	50.00	\$	1,000.00
85	GUARDRAIL (BRIDGE)	30.00	LF	\$	75.00	\$	2,250.00
86	DOG STATIONS (INCL TRASH RECEPTACLE, POST & BAG DISPENSER)	9.00	EA	\$	750.00	\$	-
87	DIRECTIONAL SIGNS	0.00	EA	\$	500.00	\$	-
88	SOLAR LIGHT BOLLARDS	0.00	EA	\$	2,500.00	\$	-
89	BRIDGE FAÇADE	0.00	LS	\$	55,675.00	\$	
90	BOULDERS	0.00	CY	\$	200.00	\$	-
91	TREE WATERING (MANUAL & GATOR BAGS)	75.00	EA	\$	50.00	\$	3,750.00
92	PERMANENT IRRIGATION	0.00	LS	\$	-	\$	~
					SUBTOTAL	\$	1,751,193.0
				CC	ONTINGENCY (10%)	\$	175,119.31
					TOTAL	s	1,926,312.38

BID TEM NO.	DESCRIPTION OF BID ITEM	QUANTIT Y	PAY UNIT	Π	UNIT PRICE		FAL COST OF BID ITEM
73	DOWNSTREAM TRAIL HEADWALL	42.33	CY	\$	650.00	\$	27,512.32
74	DOWNSTREAM CBC HEADWALL	58.92	CY	\$	650.00	\$	38,300.85
75	TRENCH DRAIN	2.00	EA	5	5,000.00	\$	10,000.00
76	UPSTREAM RCP HEADWALL	44.80	CY	\$	650.00	\$	29,123.05
77	DOWNSTREAM RCP HEADWALL	31.47	CY	\$	650.00	s	20,456.94
78	PEDESTRIAN CULVERT LIGHTING	1.00	LS	\$	30,000.00	\$	30,000.00
79	UPLAND SEED MIX	140,390.00	SF	\$	0.25	\$	35,097.50
80	WET MEADOW SEED MIX	29,430.00	SF	\$	0.25	\$	7,357.50
81	#5 CONT SHRUBS	520.00	EA	\$	35.00	\$	18,200.00
82	2" CAL. ORNAMENTAL TREES	75.00	EA	\$	400.00	\$	30,000.00
83	1 1/2" CAL ORNAMENTAL TREES	50.00	EA	\$	350.00	\$	17,500.00
84	HANDRAIL (STAIRS)	70.00	LF	\$	50.00	s	3,500.00
85	GUARDRAIL (BRIDGE)	120.00	LF	\$	75.00	\$	9,000.00
86	DOG STATIONS (INCL TRASH RECEPTACLE, POST & BAG DISPENSER)	3.00	EA	\$	750.00	\$	2,250.00
87	DIRECTIONAL SIGNS	5.00	EA	\$	500.00	\$	2,500.00
88	SOLAR LIGHT BOLLARDS	6.00	EA	\$	2,500.00	\$	15,000.00
89	BRIDGE FAÇADE	1.00	LS	\$	55,675.00	\$	55,675.00
90	BOULDERS	315.00	CY	\$	200.00	\$	63,000.00
91	TREE WATERING (MANUAL & GATOR BAGS)	125.00	EA	\$	50.00	\$	6,250.00
92	PERMANENT IRRIGATION	1.00	LS	\$	50,000.00	\$	50,000.00
				SI	UBTOTAL	\$	2,562,902.25
				CO	VTINGENCY (10%)	s	256,290.23
					TOTAL	\$	2,819,192.48

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\$	8,750.00
\$	2,500.00
\$	6,750.00
\$	2,250.00
\$	2,500.00
\$	15,000.00
\$	55,675.00
\$	63,000.00
\$	2,500.00
\$	50,000.00
s	811,709.18
\$	81,170.92
\$	892,880.10

Attachment B - Estimated Project Timeline

Project Name:

Pedestrian Underpass at Washington Street on Grange Hall C

Date:

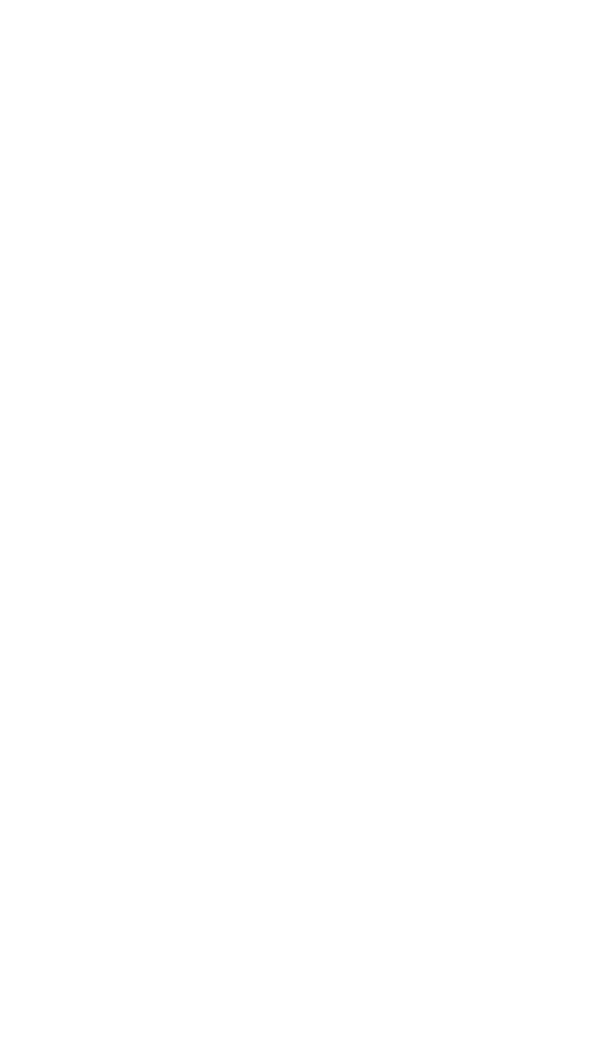
February 1, 2012

Timeline should reflect scheduling for each task of your project over the next 24 months. Describe each task of your project and put an X in the column to the right for the month that task will occur.

Description of Task	March 2012	April 2012	May 2012	June 2012	July 2012	August 2012	September 2012	October 2012	November 2012	December 2012	January 2013	February 2013
Additional Public Input	X											
Finalize Construction Documents		X										
Advertise for Bid			X									
Award Contract					X							
Fabrication of 48" water Conduit						X	X	X				
Utility Relocations								X	X	X		
Underpass Construction									X	X	X	X

Description of Task	March 2013	April 2013	May 2013	June 2013	July 2013	August 2013			
Underpass Construction Continued	X								
Other component Construction	X	X	X						
Landscape Installation			X	X					
Construction Punchlist					X	x			

9



Attachment B - Estimated Project Timeline

Description of Task	Sept '13 - Sept '15	Jan 2014 - March 2014					
Warranty Period	X						
Grant Reporting & Closeout		X					

Attachment C - Source of Funds

Project Name:

Pedestrian Underpass at Washington Street on Grange Hall C

Amount Requested:

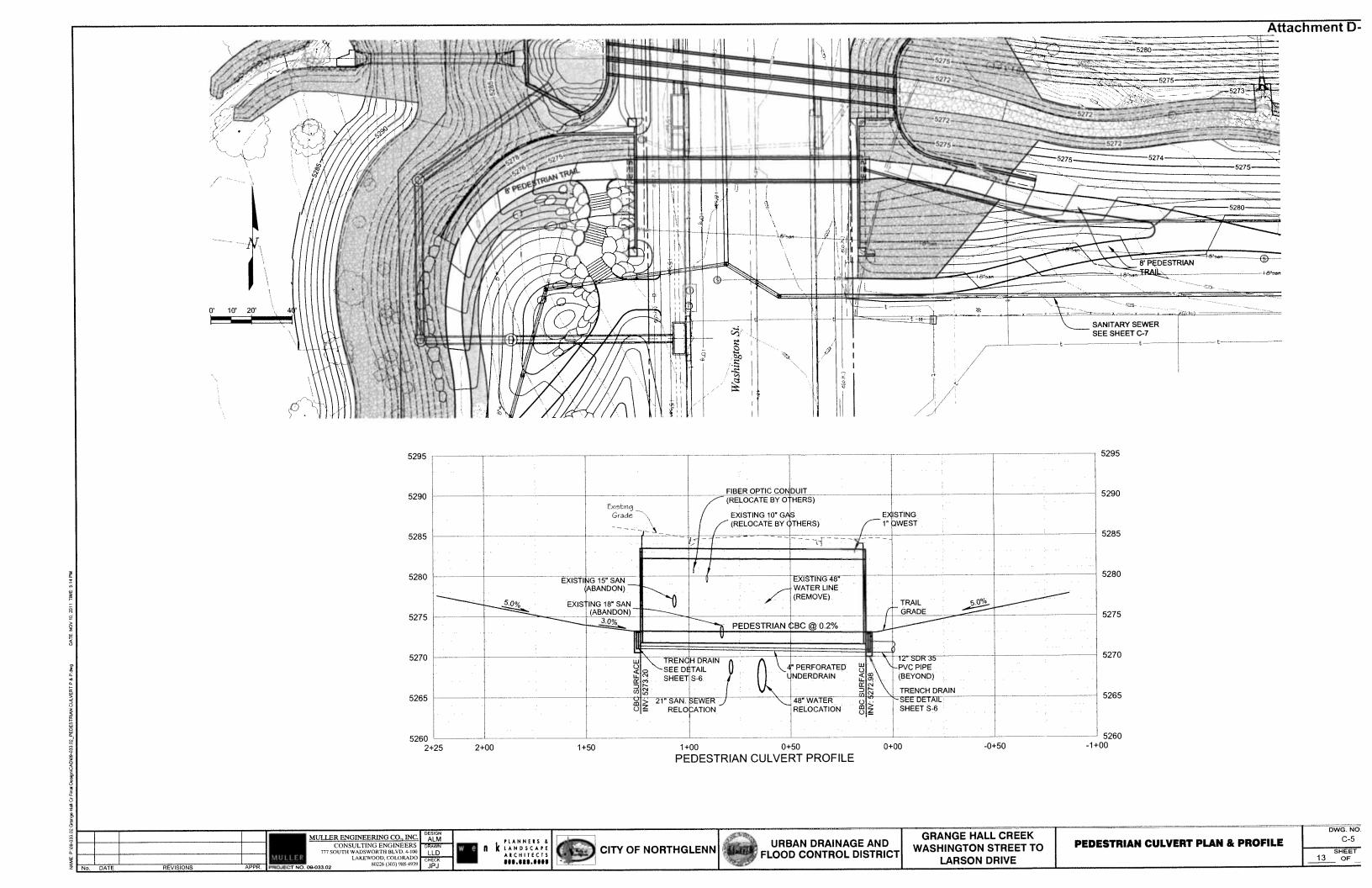
\$535,727.00

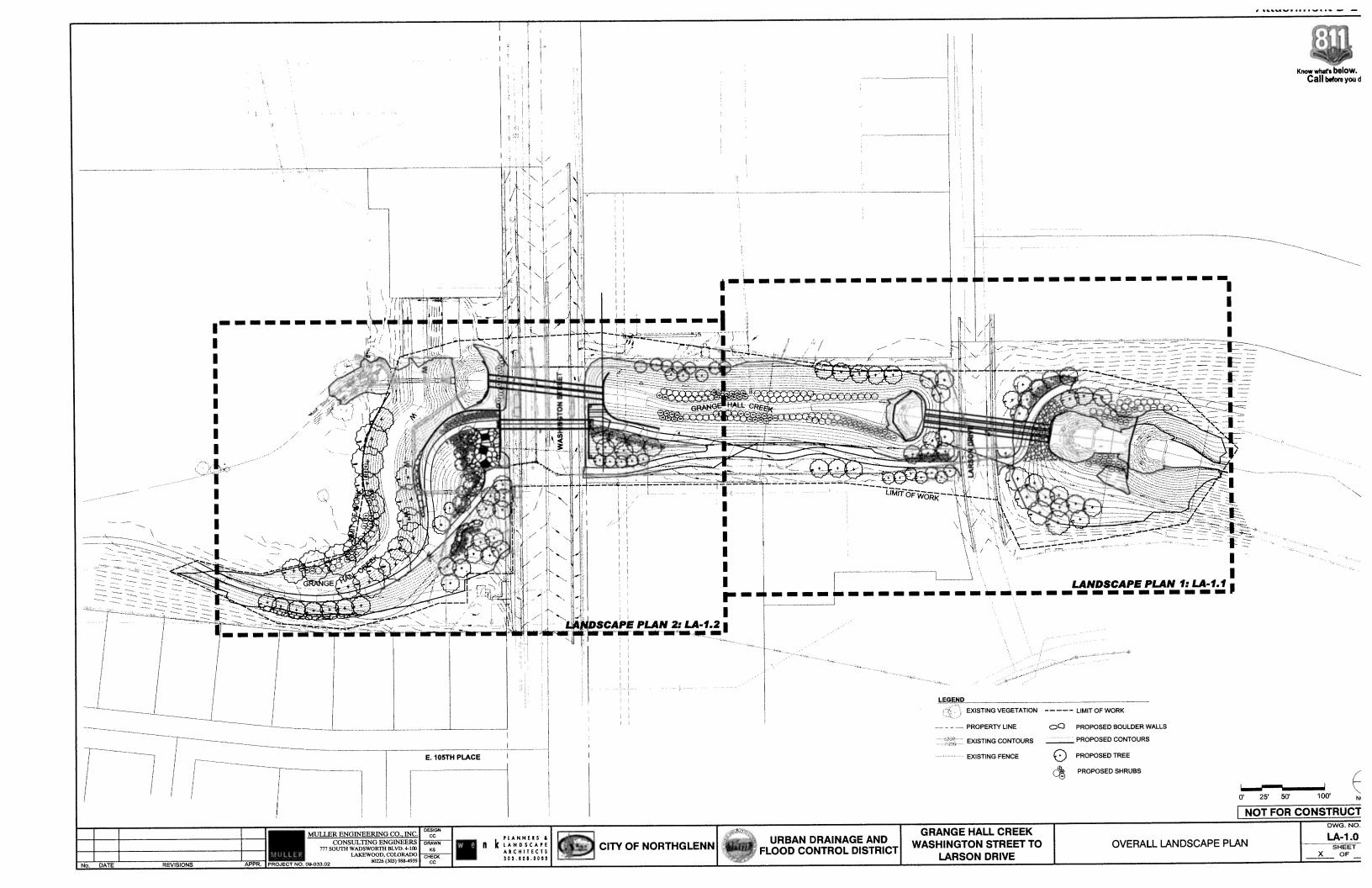
% Total Project Costs: 60

In the chart below, please list all sources of funds. For partners, please provide a brief description of the contribution.

With regard to the Applicant's contribution, only fill out the "Brief Description of Contribution" if the Applicant is making an in-kind contribution.

Source of Funds	Date Secured	Grant Request	Previous ADCO Grant Awards	Cash Match	In-Kind Match	Total Funding	Brief Description of Contribution (<10 words)
AdCo Open Space	5/2/2012	\$535,727.00	\$0.00		\$0.00	\$535,727.00	
CDBG				\$157,152.00		\$157,152.00	Transportation Related
City of Northglenn				\$100,000.00		\$100,000.00	Capital Improvement
Urban Drainage				\$100,000.00		\$100,000.00	Capital Improvement
Total		\$535,727.00	\$0.00	\$357,152.00	\$0.00	\$892,879.00	



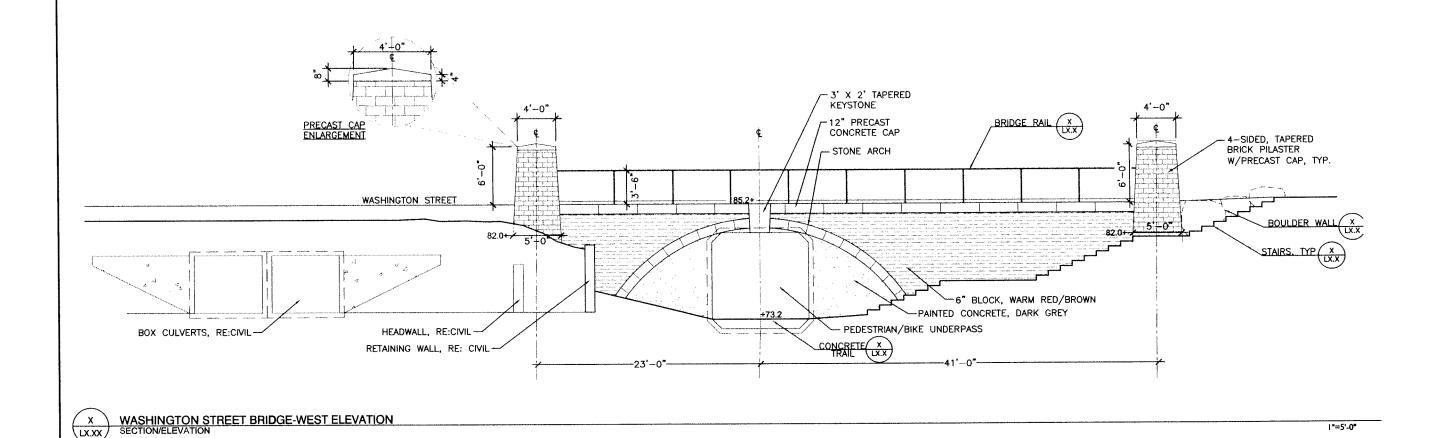


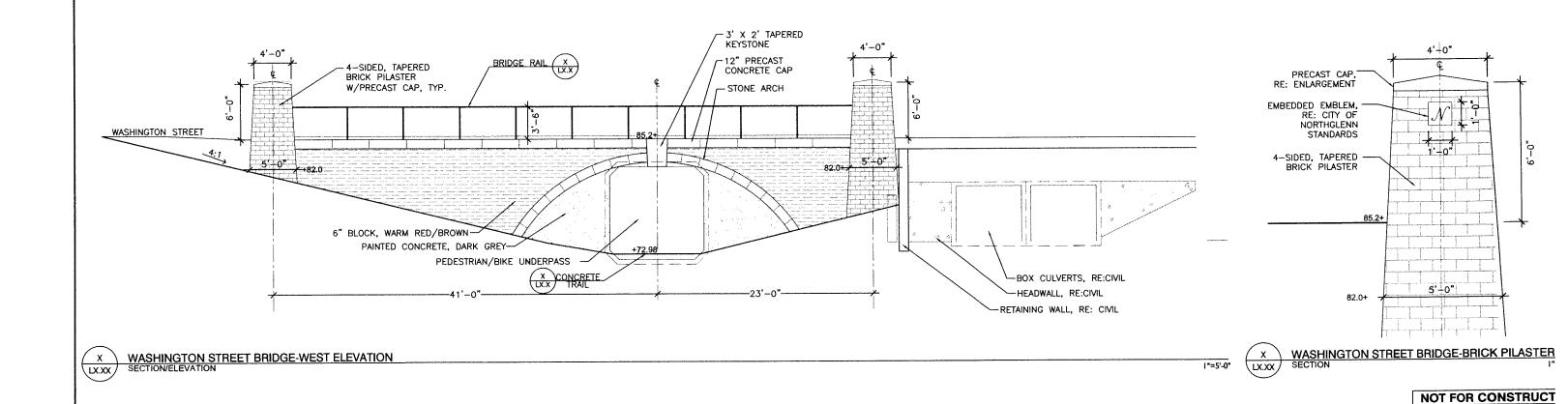


DWG. NO.

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CITY OF NORTHGLENN

ULLER ENGINEERING CO., INC.

CONSULTING ENGINEERS 777 SOUTH WADSWORTH BLVD. 4-100 LAKEWOOD, COLORADO 80226 (303) 988-4939

CC DRAWN KS CHECK CC **GRANGE HALL CREEK**

WASHINGTON STREET TO

LARSON DRIVE

BRIDGE ELEVATIONS

URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

Attachement E - Location Map Pedestrian Underpass at Washington Street on Grange Hall Creek





URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

Paul A. Hindman, Executive Director 2480 W. 26th Avenue, Suite 156B Denver, CO 80211-5304

Telephone 303-455-6277 Fax 303-455-7880 www.udfcd.org

March 1, 2011

Pam Acre City of Northglenn 11701 Community Center Drive Northglenn, CO 80233

Re: 2011 Memorandum of Understanding Regarding Maintenance

2010 – 2014 5-Year Capital Improvement Plan

Dear Ms. Acre:

The Design, Construction, and Maintenance Program of the Urban Drainage and Flood Control District (District) has completed preparation of its Work Plans for 2011. The first portion of this letter will provide information on the Maintenance Work Plan as referenced above. The second part of this letter contains information on the District's 5-Year Capital Improvement Plan.

Maintenance Work Plan

The Board of Directors of the District has adopted the Maintenance Work Plan for calendar year 2011 and has allocated SRF Maintenance Budget funds to carry out drainageway maintenance work for 2011. This letter serves as the Memorandum of Understanding for us to proceed, on behalf of the City of Northglenn, with those work items on the 2011 Maintenance Work Plan that are under the jurisdiction of the City of Northglenn.

The annual Maintenance Work Plan for the City of Northglenn is developed largely based on the drainageway maintenance requests you sent us last fall. We have copies of those maintenance requests in our files in case you need to refer to them.

Maintenance Work Plan information for 2011 can be viewed by going to our website at www.udfed.org. Scroll to "Flood Control Facilities," click on "Design, Construction, and Maintenance," and then click on "Maintenance Work Plan." The following drainageway maintenance information is available in PDF format:

- 1. The full Maintenance Work Plan for each county plus individual work program summaries for each local government within that county. The individual work program summary for the City of Northglenn shows all the proposed routine, and restoration work items to be accomplished within your jurisdiction for the year.
- 2. <u>Mowing and Debris Schedule</u> The approximate schedule our routine contractor will use for this year's anticipated mowing and debris-pickup activities within the City of Northglenn.
- 3. <u>Mowing and Debris Maps</u> The color aerial photographs of the drainageways on which we provide mowing and debris removal. These are the same photographs as used by the contractors to carry out the work. These are large files and will take a minute or two to open.

The District will contract for and manage all aspects of the Maintenance Work Plan under close coordination with you and your staff. We will work with you directly as the scope of work is developed for each construction activity. We will simply proceed with performing the routine mowing and debris pickups as shown on the schedule, located on our website, unless we hear from you.

As part of the routine program, we will inspect, at least one time per year, those public drainageways that the District regularly maintains in order to gauge debris problems or to visually review the integrity of the channel. These drainageways are listed on the Work Plan located on our website as described above. You will be notified if the District discovers any problems that may affect the operational capability of the drainageways. That inspection will typically occur under one of the following situations:

- 1. After mowing and debris pickup operations;
- 2. After a runoff event that could adversely affect the stream;
- 3. If a resident or local government calls us regarding a perceived drainageway problem.

The Maintenance Plan's purpose is to maintain and preserve floodways and floodplains. By definition, drainageway maintenance needs are variable. They depend on such factors as local storms, administration policies, and adjacent improvements. After consultation with the City of Northglenn, some of the work items on the Maintenance Work Plan may be adjusted in scope or funding as a result of changes in specific project needs or because work items may be identified that will be a higher priority. The value assigned to each project is for budgetary purposes. The actual cost of each project will vary from the numbers shown.

Due to the Maintenance Plan funding process, it is understood the maintenance services described herein do not obligate the District to perform the current level of maintenance in upcoming years or to assume ownership, operation, or control of the drainageways.

5-Year Capital Improvement Plan

The District's Board of Directors has adopted the 5-Year Capital Improvement Plan (CIP) for 2010-2014 and has allocated SRF Construction Budget funds to participate with local governments in carrying out drainageway capital work. Every project on the CIP will be supported by an individual intergovernmental agreement (IGA) to establish the participatory funding between the District and the local government.

The 5-Year Capital Improvement Plan for the City of Northglenn are developed largely based on the project requests you sent us last fall. We have copies of those project requests in our files in case you need to refer to them.

The 5-Year Capital Improvement Plan with budgeted levels of participation and the benefitting local governments can be viewed by going to the District website at www.udfcd.org and clicking on the "Downloads" menu. Scroll to "Flood Control Facilities," click on "Design, Construction, and Maintenance," and then click on "5-Year CIP." The current CIP is available as is a summary of all District Construction Budget expenditures from 1974 to current.

If you have a project on the CIP please advise us when the funds from the City of Northglenn will be available and when you would like us to initiate the interagency agreement. It is also important for us to know if you will not schedule a project as shown on the CIP. This allows us to revise the 5-Year CIP to better match your schedule and the schedule of other local governments.

Conclusion

If you decide you need paper copies of any of these information items, please let us know and we will forward the desired items to you.

We look forward to working with you and your staff in the implementation of the Maintenance Plan and the 5-Year CIP. We ask that you circulate this letter to your other staff members who have responsibility for these drainageway activities so they can anticipate taking part in any design, construction, or progress meetings.

All Maintenance Plan work and all CIP activities within the City of Northglenn are managed for the District by David Skuodas, P.E.. All Maintenance and CIP activities for the South Platte River are managed by Laura A. Kroeger, P.E. Email addresses for these contacts are also on our website. If you have specific questions or concerns about the work planned for 2011, please call us at 303-455-6277.

Sincerely,

David B. Bennetts, P.E., CFM, Manager

Design, Construction, and Maintenance Program

1 A. Hinduran

Paul A. Hindman, P.E.

Executive Director

PAH/DBB/me

DRAINAGEWAY	1100	L					^	Week Starting on Monday of:	g on Mond	ay of:				
NAME/REACH	GOV FREQ	~	JANUARY 10 17 24 31	FEBRUARY 7 14 21 28	MARCH 7 14 21 28	APRIL 4 11 18 25	MAY 7	JUNE	ATOT	AUGUST		OCTOBER	- A-	DECEMBER
GRANGE HALL CREEK (UPRR) Reach: GHC from Steele St. (ext) to UPRR Reach: Trib. N from GHC to UPRR Debris	NORTHGLENN			, ,			0		8 4	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	29 5 12 19 26	3 10 17 24 31	7 14 21 28	5 12 19 26
GRANGE HALL CREEK (LARSON DR.) Reach: Irma Dr. to Larson Dr. Debris Mowing	NORTHGLENN 4						Δ Σ	× c		Δ Σ	0.2			
GRANGE HALL CREEK - CLAUDE CT. TRIB. Reach: Grange Hall Cr Trib. NE to 116th Dr. (ext.) Debris Mowing	NORTHGLENN 4						QΣ	DN		ΔΣ	0.8			
GRANGE HALL CREEK - TRIB. N.E. Reach: Claude Ct. Trib. to Washington St. Debris Mowing	NORTHGLENN 4						Δ Σ	0.3		Δ×	0.8			
GRANGE HALL CREEK - GRANT DR. Reach: 1-25 to Grant Dr. Debris Mowing	NORTHGLENN 4						ΩΣ	KΩ		Q 2	2 %			
HIDDEN LAKE DRAINAGEWAY Reach: Clear Cr. 10 Lake Sangraco Reach: Inlert d's of 64th Ave. 10 Hidden Lake Debris Mowing	ADAMS CO					O M	0.2		0.2	QΣ	۵ ۶			
HOFFMAN DRAINAGEWAY Reach: S. Platte River to Adams Way (ext.) Reach: Devonshire Blvd. to 770 L.F. u/s Reach: Rainbow Ave. to 88th Ave. Debris Mowing	ADAMS CO					Δ Σ		OΣ		۵ ک	0.3			
KALCEVIC GULCH Reach: Inlet us of Clear Cr. to 70th Ave. Debris Mowing.	ADAMS CO 4					0.2	ДΧ		0.2	2 2				
										1000				

Introduction

Purpose

As per Chapter 17-2-7(d) of the Northglenn Municipal Code, the Parks and Recreation Advisory Board has the following responsibility:

"To assist and advise the City Manager and the City Council in determining the community's needs and desires for parks, programs and facilities in relationship to the Park's Master Plan and to continually update the Parks Master Plan on a yearly basis to achieve an equitable balance, within reason, of parks, programs and facilities in the city."

The following document is submitted in accordance with Chapter 17-2-7(d) of the Northglenn Municipal Code.

Background

In 1986, City Council adopted the City's first comprehensive Parks and Recreation Master Plan. In addition, upon adoption of the Master Plan, the Council appointed a Task Force to develop a ten (10) year Implementation Plan for the Master Plan. Membership on the Task Force included representatives of City Council, the Parks and Recreation Advisory Board, the Planning Commission and City Staff. The ten (10) year Implementation Plan was adopted by City Council in 1987.

The authors of both the Master Plan and the Implementation Plan recognized that the parks and recreation desires and preferences of the community are continually evolving and recommended that

an annual evaluation be conducted to address and consider revisions to the plan. The Parks and Recreation Advisory Board are thus charged with conducting an annual review of the Master Plan and making recommendations for its update and revision.

The 2011 revision includes a new format, with a focus on compiling a complete, current inventory of existing parks and facilities, as well as a 5-year Capital Improvement Plan and an extended list of future capital improvement needs and desires.

Goals and Actions

This Master Plan seeks to complement Citywide efforts and organizational direction as it relates to the roles and functions of the Parks and Recreation Advisory Board and staff to achieve near-term and long-term capital improvements to the City's parks, public grounds, and recreational assets and amenities. Existing plans and goals, such as the City's Comprehensive Plan and City Council Goals are referenced to ensure consistency across departments.

It is hoped and anticipated that the community at large will support the efforts of staff and the public process that occurred to have identified and listed the noted and desired improvements to our recreational and leisure time assets. This document is intended to serve as a roadmap to guide staff toward the successful completion of multiple projects, pending the availability of required financial resources, to help assure the achievement of Council goals and the City Manager's goals and the expressed wishes of the public, and in so doing

with concrete, and the addition of storage facilities for athletic equipment and maintenance equipment.

Kiwanis Pool Improvements

The bath house at Kiwanis has had few improvements since its opening in 1965. The bath house, which includes locker rooms and a cashier's station, is in need of a new roof, new plumbing and electrical, new lockers, sinks, toilets, showers and other fixtures, and repainting.

Currently, the pool drainage is not connected to the sanitary sewer, but rather drains to the stream system. In instances when large amounts of water are drained from the pool without sufficient time for de-chlorination, chlorinated water is discharged to the stream system. This is potentially harmful to the balance of the stream ecosystem. In addition, small amounts of chlorinated water are discharged regularly through the daily backwash process. Although this is an acceptable practice, it is not ideal. Connection to the sanitary sewer would alleviate this concern.

Although not necessary, a desirable addition to this space would be a splash ground, a commonly requested amenity amongst users.

Dog Park Improvements

The dog park is in need of new surfacing material to improve drainage and functionality, as well as improvements to the perimeter fencing and the addition of a small dog area. Other needs include repairs to the water fountain, landscaping on the outer perimeter of the park, lighting and irrigation.

Grange Hall Creek Trail Connection at Washington Street

Grange Hall Creek Trail and the C. A. "Gundy" Gunderson Trail run east to west through Northglenn along Grange Hall Creek and generally provides the pedestrian or bicyclist easy passage without having to "share the road" with motor vehicles. Two notable exceptions to this are at the crossing locations at Washington Street and at Irma Drive. Other street crossings exist but the traffic conflicts are much less.

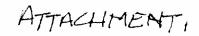
As we look forward to improvements in light rail and a potential transit stop at Irma and 112th, there will be a greater need for alternate access routes through the city. And as pedestrian and bicycle traffic increases, so does the need for safe crossings of higher traffic volume streets. Mid-block crossings are necessary to create and keep a continuous trail along the creek.

Separated crossings are necessary to reduce and/or eliminate the conflicts between pedestrians, bicyclists and motor vehicles. Separated crossings are expensive but serve as the best protection of the public.

A pedestrian underpass is generally the best option. Such an option should be considered for the crossings of the trail at Washington Street and Irma Drive.

Recreation Center Renovation and Expansion

As discovered in the 2008 evaluation, the facility is in need of renovation beyond the roof, HVAC and fire-code compliance that is currently in process. This project consists of work throughout the building, to include a new pool liner, renovation of the locker





URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

Paul A. Hindman, Executive Director 2480 W. 26th Avenue, Suite 156B Denver, CO 80211-5304

Telephone 303-455-6277 Fax 303-455-7880 www.udfcd.org

January 18, 2012

Adams County Open Space Advisory Board 9755 Henderson Road Brighton, CO 80601

RE: Pedestrian Underpass at Washington Street on Grange Hall Creek

Dear Board Members:

The Urban Drainage and Flood Control District (UDFCD) supports the City of Northglenn's grant application to the Adams County Open Space Advisory Board toward funding of a pedestrian underpass at Washington Street on Grange Hall Creek. The pedestrian underpass will be designed and built as part of the City of Northglenn and UDFCD's Grange Hall Creek at Washington Street drainage improvement project, as shown in the "Grange Hall Creek: Grant Drive to Irma Drive Major Drainageway Conceptual Design Report". The Conceptual Design Report was an update to the 1977 "Grange Hall Creek Major Drainageway Planning Phase B Report".

We support a pedestrian underpass on Grange Hall Creek at this location, as the existing trail ends at Washington Street from both directions and the nearest traffic signal is several blocks away creating an unsafe condition for trail users trying to cross Washington Street. UDFCD is a partner in this project and has contributed \$125,000 toward the final design and \$525,000 towards construction costs, which is planned to begin in late 2012. At this location, the only feasible solution to improve pedestrian safety is to provide a combined drainage and pedestrian underpass. UDFCD typically supports the separation of pedestrian underpasses from underpasses for other uses whenever possible. The pedestrian underpass will remain dry up to approximately a 10-year flood event on Grange Hall Creek. The more frequent storm events will be conveyed under Washington Street in a separate drainage culvert. For flood events larger than the 10-year, the pedestrian underpass will supplement the drainage culvert to convey flow under Washington Street.

The District supports the City of Northglenn in this endeavor and we hope you will fund their grant application for funding this pedestrian underpass.

Sincerely,

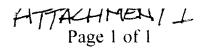
David J. Skuodas, P.E., CFM, LEED AP

Senior Project Engineer

Dard J. Skc

Design, Construction, and Maintenance Program

DJS/mc





Pam Acre - Open Space Grant

From:

"Rick Lindsey" <rlindsey@northglennambulance.com>

To:

<pacre@northglenn.org>

Date:

1/18/2012 6:41 AM

Subject: Open Space Grant

January 18, 2012

RE: Adams County Open Space Grant

Greeting,

I would like to take this opportunity to recommend the City of Northglenn for the next cycle of Adams County Open Space Grants. The funds will be used to create a pedestrian underpass at roughly 105th and Washington St. I have been with Northglenn Ambulance (106th and Washington) for the past 22 years and have frequently witnessed adults and children carelessly cross Washington to connect to the east and west side of the bike path. I am actually amazed we have never had to respond on a fatality incident from this crossing.

The City has reviewed the plans for the under pass with me. From a safety stand point I think the project should be funded. Should you have any questions please do not hesitate to contact me at Rlindsey@northglennambulance.com.

Sincerely,

Rick Lindsey Executive Director Northglenn Ambulance



Pam Acre - Grange Hall Creek project

From: Anita <aml317537@aol.com>

To: <pacre@northglenn.org>
Date: 1/16/2012 9:56 PM

Subject: Grange Hall Creek project

To Whom It May Concern:

I'm very excited about the Grange Hall Creek project. I am an avid bike rider and one of my favorite rides is the Grange Hall Creek trail. It has always frustrated me when I got to Washington, that I either had to take my chances with traffic or had to ride up the hill to Garland to cross at the light. I think an underpass would be awesome. So I totally support this project!

Sincerely,
Anita M. Leslie
11053 Northglenn Dr.
Northglenn, CO 80233



Pam Acre - Letter of Support

JoDee Kuehn <jkuehn@glutheran.com> From:

"pacre@northglenn.org" <pacre@northglenn.org> To:

1/16/2012 9:04 PM Date: Subject: Letter of Support

Dear Ms. Pam Acre,

1 am writing on behalf of the staff and students at Gethsemane Lutheran School to express our support for the Grange Hall Creek Improvement project. Our school sits at the corner of Garland and Washington Streets, and we take frequent advantage of the park, green space and trails near our facility. As a matter of fact, throughout the 8 years that I have been on the staff at Gethsemane, we have been a parks and trail partner with the City of Northglenn. Our staff and students are thrilled with the possibility of an underpass being built under Washington Street near our facility. We believe this would greatly increase the safety for our staff, students and their families as they utilize the trails around our facility.

Thank you for passing our feedback along to the appropriate organization.

Have a great week! Mrs. Kuehn

JoDee Kuehn Principal Gethsemane Lutheran School 10675 Washington Street Northglenn, CO 80233 (303) 451-6908 x202

Put on the full armor of God.... Ephesians 6:11



Pam Acre - Grange Hall Creek Project

From: PAUL ZADRA < zadratwins@msn.com>

To: <pacre@northglenn.org>

Date: 1/16/2012 7:46 PM

Subject: Grange Hall Creek Project

I am writing in regards to the proposal to upgrade the creek channel at Grange Hall Creek. I believe that it is the duty of both the city and its residents to keep property in good repair and up to date. There are ordinances in place to insure that this happens on the residential level. It would be beneficial to all if funds would be used to update drainage and landscaping in this area. The longer property is left in disrepair the more costly it becomes to correct the issues. Not to mention how destructive water can be.

Lets work together to keep Northglenn a beautiful place to live and play.

Thank you,

Christina L. Kaup

Pam Acre - Grange Hall Creek Project

From:

CAROL KENNEDY <clikinstix@msn.com>

To:

<pacre@northglenn.org>

Date:

1/14/2012 6:28 PM

Subject: Grange Hall Creek Project

Dear Ms. Acre,

I am writing this email in support of the Grange Hall Creek Project which would be funded by Adams County Copen Space grants.

I have been a regular user of this trail since I moved to this area over 30 years ago. The lack of direct connection on the trail between the east and west sides of Washington Street is inconvenient. The youth groups with whom I ride are forced to ride on narrow sidewalks or streets and must then cross Washington Street to make the connection. Adding an underpass to this trail would help this trail be a more useable regional trail.

Please contact me if you have any other questions.

Carol Kennedy 2941 E. 123rd Ave. Thornton, CO 80241

Pam Acre - Grange hall Creek Project

From:

Cindra Spencer < Cindra. Spencer@laradon.org>

To:

"pacre@northglenn.org" <pacre@northglenn.org>

Date:

1/6/2012 9:12 AM

Subject: Grange hall Creek Project

Ms. Acre,

Please accept this email as a showing of support for the Grange Hall Creek underpass project proposed at Washington Street. I reside at 10472 Franklin St. in Northglenn and my family uses the Grange Hall Creek trail frequently. We fully support grant funding for further development and stabilization of this area. If there is anything else I can do please feel free to contact me anytime.

Cindra K, Spencer
Assistant Director of Adult Residential Services
Laradon
5100 Lincoln St.
Denver, CO 80216
(720) 974-6812 direct line
(303) 296-4012 fax
www.laradon.org

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Pam Acre - Grange Hall Creek Project

From: <homajohnk@comcast.net>

To:

Date: 1/5/2012 12:17 AM

Subject: Grange Hall Creek Project

I live at 220 E. 16th Ave. in Northglenn. During warm weather I bike from Northglenn to downtown Denver and back. Starting and ending my rides is always a hassel due to waiting for the traffic light at Garland and Washington. So the thought of a Washington underpass is tremendous.

Everyone who uses that trail and wishes to cross Washington is supposed to go up to the traffic light at Garland to cross, many people do not use this portion of the trail because of that inconvenience.

There are also several safety considerations for constructing the underpass. First, some trail users cross Washington at Grange Hall Creek which is very dangerous. Second, because the trail basically deadends at Washington, that portion is not used a lot. I used to walk down there with my kids when they were young, and there is an overgrown area with paths leading in. I have always wondered what went on in there, since you are completely hidden. An underpass would increase trail use and make any questionable activities in that area much more difficult.

I would love to see this project completed.

Thank you for your time. John Homa Dear Pam Acre,

I'm writing this letter in support of the Grange Hall Creek Pedestrian Underpass Project.

Our family loves to bike and often take long walks with our dogs. Crossing Washington Street is very busy and can also be very dangerous. Numerous times we have seen people crossing Washington Street at points where there is not a traffic light or pedestrian crossing causing huge safety concerns for pedestrians and motorists.

The Pedestrian Underpass would definitely be helpful for traffic concerns as well as the increased use of the trail system. The continuous trail would be beneficial for walkers, bicyclists, and commuters of all ages.

We are hopeful that this project will be funded and completed in the very near future for all to enjoy.

Sincerely,

Jenni Murphy

10574 Paley Street

Northglenn, CO 80234

January 15, 2012

To the Adams County Open Space Advisory Board:

I would like to express my support for your consideration of grant funds for the Washington Street/Grange Hall Creek project in Northglenn.

I've lived in Northglenn since 1974 and have watched the continuous Improvements to the city's trail system along with Its exponential use by the citizens. The trail system is connected in many areas, but there are still some linkages that the city has identified for alleviation of safety risks, along with the added benefit trail continuity.

One of these locations along the trail system in serious need risk mitigation is the Washington Street/Grange Hall Creek segment, where the trail suddenly stops just south of Northglenn Ambulance and begins again directly across Washington Street. Currently, there is no crosswalk, with the nearest safe crossing at 104th Ave or Garland Street, at least a block in either direction.

I use the trail systems several times a week, and have noticed the large number of users on skates, bikes, running and walking. The connection at Washington Street would greatly enhance the trail experience.

Thank you for considering this greatly needed trail improvement.

Corn Classe Rosie Garner

Citizen and Former City of Northglenn City Councilmember

To Whom it may Concern!

- - - -

Washington Street/Drange Hall Creek Project

I range Hall Creek is behind my house it has a real new path that is well lept.

Given in wenter months children, faigle with dogs, runner, hike riders, and many more, with this trail just going for a walk on Coming from the mall Corresponer on I-25).

When the path gets to Mash. It there is no place to cross, unless you walk to Gailed north (2 bles aprox) or 124 Ale Chusy) 3 blke.

So people just non server Wash, helter, selter.

also the creek by Wash needs a clean cent of sechout shut 4 trees, the bop learning how to smake go down in there and get fires started with

their matches. Jam very groud of northylen, where other Cities have let their older part of the city waste away, northylene has kept our city clean and up to late.

> Thanh you Margart (Peg) Webb 80 E. 106 the NO 47 lig lann, CO 80 x 33