

AGENDA ITEM SUMMARY

DATE: 12/17/2012 DEPARTMENT: Administration - DEPT. HEAD SIGNATURE: HD

SUBJECT

Werthheimer Park Naming discussion

AUTHORITY: ID Code City Ordinance/Code Municipal Code

Hailey discussed naming the rodeo grounds area "Werthheimer Park during the November 19, 2012 meeting. Further discussion was scheduled in December, following further distribution of information.

BACKGROUND:

FISCAL IMPACT / PROJECT FINANCIAL ANALYSIS:

Budget Line Item # _____ YTD Line Item Balance \$ _____

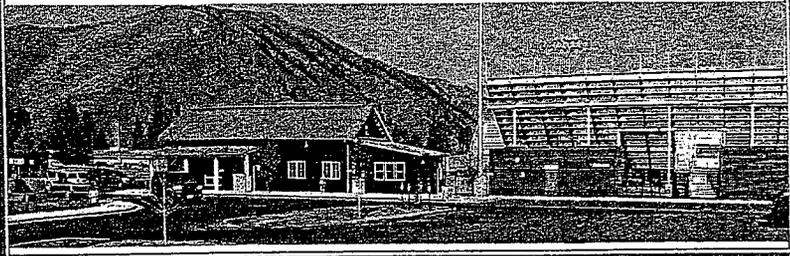


WHAT SHOULD WE CALL THE NEW RODEO GROUNDS?

The City wants your input on naming what has formerly been referred to as the Hailey Rodeo Park or Rodeo Grounds.

Attend the discussion and share your ideas or comment on the proposed name of "Werthheimer Park" (the Hailey man who donated the land back in 1913) or submit written comments to tom.hellen@haileycityhall.org

Public Meeting
December 17th 5:30pm
Hailey City Hall, 115 Main St. South
Call 788-9830, ext. 14 for more information



WHEN CLEARING YOUR DRIVE, PUT SNOW INTO YOUR YARD

Please be considerate of your neighbors. If a neighbors' driveway is next to yours, push or blow the snow into your own yard. Do not push or plow the snow back into the roadway, as it may impede emergency vehicle access. City ordinance prohibits plowing snow across or onto any public street, service access, parking area, alley or sidewalk.

Calendar

Important dates

- City Council..... 12/03/12, 12/17/12
- Hailey Arts Commission.....12/06/12
- Hailey Library Board12/19/12
- Parks & Lands Board12/04/12
- P&Z Commission.....12/10/12
- Tree Committee..... 12/13/12
- Urban Renewal Agency12/19/12
- *Christmas Eve.....*12/24/12
- * Christmas Day.....*12/25/12
- * New Years Day.....*01/01/13

*City Hall and Hailey Public Library Closed

Heather Dawson

Subject: FW: Naming the rodeo grounds "Hailey Rodeo Grounds"

-----Original Message-----

From: Heather Dawson
Sent: Tuesday, December 11, 2012 12:41 PM
To: 'Don Keirn'; Mariel Platt; Fritz Haemerle; pat cooley
Cc: Tom Hellen; Carol Brown; burkefamily203@cox.net; Beth Robrahn; Fritz Haemmerle
Subject: RE: Naming the rodeo grounds "Hailey Rodeo Grounds"

I attended a Chamber of Commerce event today and spoke about the Werthheimer Park naming matter on next Monday's agenda. I received two comments:

1. Rick Davis suggested the name "Werthheimer Activity Park 2. Krista Goerke favored the historical name, Werthheimer park.

The Chamber staff will put this question up on their facebook page later today to draw some more comments before Monday's meeting.

Heather Dawson
Hailey City Administrator

-----Original Message-----

From: Don Keirn [mailto:donidaho@cox.net]
Sent: Tuesday, December 11, 2012 11:21 AM
To: Mariel Platt; Fritz Haemerle; pat cooley
Cc: Tom Hellen; Heather Dawson; Carol Brown; burkefamily203@cox.net; Micah Austin
Subject: Re: Naming the rodeo grounds "Hailey Rodeo Grounds"

I have had the same concerns as Mariel (great minds run in the same direction Mariel!). Micah has been working with outside agencies to eventually bring some more or less "name" entertainment venues to the arena. The name ""Hailey Rodeo Grounds" could well be a detractor to some of these groups. We really need to bring in some substantial, well paying outside business to this facility. I, at least, cannot justify the millions spent on this great structure for only a couple of rodeos a year. It can be an excellent source of revenue to our city and our businesses.
Don

-----Original Message-----

From: Mariel Platt
Sent: Tuesday, December 11, 2012 9:15 AM
To: Fritz Haemerle ; pat cooley
Cc: Tom Hellen ; Heather Dawson ; Carol Brown ; donidaho@cox.net ; Martha Burke (burkefamily203@cox.net)
Subject: RE: Naming the rodeo grounds "Hailey Rodeo Grounds"

One thing to consider is whether naming the arena the Hailey Rodeo Grounds will limit the types of events that utilize the space to rodeos or similar events. If it's named rodeo grounds, will the event organizers perceive the venue to be

somewhat limited to rodeo activities? Will it be more difficult to solicit proposals for music events or other non-rodeo activities at this location? I'm not sure, but something to keep in mind.

Mariel Platt AICP LEED(r) AP
Sustainability Coordinator
City of Hailey
(208) 788-9815, ext. 24
Mariel.platt@haileycityhall.org

On Dec 10, 2012, at 8:45 PM, "pat cooley" <pat.cooley@haileycityhall.org> wrote:

> Tom,
> I would tend to agree. I like and support the idea of the whole area
> being the Wirthhiemer park where the Hailey rodeo grounds are located.
> As well as the Hailey skate park.
>

> -----Original Message-----

> From: Bill Brand [<mailto:haileybill@earthlink.net>]
> Sent: Monday, December 10, 2012 4:02 PM
> To: Tom Hellen
> Subject: Naming the rodeo grounds "Hailey Rodeo Grounds"
>

> I've been in rodeos around the U.S. for many years and found that
> local rodeo grounds are mostly referred to by the locality in which
> they're located.
> Credits are frequently given to donors by a plaque conspicuously
> located on the grounds.
> Much better advertising is given to outsiders planning to attend
> events by calling the Grounds "Hailey Rodeo Grounds".
> Diana and Bill Brand

MEMORANDUM

TO: Mayor and City Council
FROM: Mariel Platt, Sustainability Coordinator
RE: Build Better Program (BBP) –adoption as a mandatory code
DATE: December 17, 2012

Notice

Notice for the December 17, 2012 public hearing was published in the Idaho Mountain Express and mailed to public agencies and area media on November 28, 2012. In addition, a number of state organizations and agencies including but not limited to the following were notified by email: Idaho Association of Cities, Idaho Home Builders Association, Wood River Building Contractor's Association, local American Institute of Architects on November 28, 2012 and the Sawtooth Board of Realtors were notified on December 13, 2012.

Proposal

Amendments to Chapter 15.08 of the Municipal Code are proposed by the City. These amendments would add a new Section - Section 15.08.012, Build Better Program - creating above-code building standard, amend Section 15.08.020, Amendment of codes and amends Section 15.08.030, Additional requirements, with an effective date of May 1, 2013. Refer to the attached ordinance for the proposed language.

Procedural History

The following outlines the history of the Build Better Program (BBP) and other jurisdictions' programs (shown in italics) in the area:

- | | |
|----------------|--|
| September 2008 | Council approved the creation of the Sustainable Building Committee |
| November 2008 | Sustainable Building Committee began meeting twice a month for 18 months to research programs and existing codes, conduct education and outreach to the public, and develop a recommendation for the Council. |
| April 2010 | Council reviewed a presentation of the Sustainable Building Committee's recommendation for an above-code building program. During the April review, the Council instructed staff to 1) draft an ordinance, 2) respond to follow up questions asked by the Council, and 3) continue education and outreach efforts with the public. |
| May 2010 | Staff presented responses to the Council's questions and continued with education and outreach efforts, hosting the Build Better, Build Smart Community Series |

events on July and August 2010. The Committee met with members or affiliates of the Hailey Chamber and Rotary and discussed the proposed amendments.

- May 2010 Staff submitted the draft ordinance to a technical review committee assigned by the U.S. Department of Energy and the State of Idaho, for a thorough review by building and energy experts. Staff received both groups' comments and follow up on questions and further discussion. The BBP incorporates the suggestions and comments made by the review committees.
- September 2010 Staff presented the ordinance to the Council. At this meeting, the Council requested the following additional information:
1. Financial evaluation of additional construction costs to comply with the Build Better Program verses the 2009 IECC.
 2. Review of building permit fees to identify potential for reductions in fees and compare fees to other jurisdictions.
- The Council requested the following changes:
1. Remove new windows from the Build Better Program's requirement for an energy analysis (audit).
 2. Add language to allow a one year voluntary period.
- January 2011 Council adopted BBP as voluntary for 1 year with subsequent review by the Council for consideration to mandatory in 2012.
- May 2011 *Blaine County adopted a mandatory above code residential program that requires energy efficiency that is 15-75% more than the current code, depending on home size.*
- February 2012 Council renewed the BBP as voluntary until January 2013, with an additional amendment that provided a prescriptive pathway for the energy efficiency requirements to be met. This amendment was consistent with Ketchum and Blaine County's programs, which allow both a prescriptive and performance pathway.
- May 2012 *Ketchum adopted National Green Building Standard as a mandatory above code residential program.*

Ordinance Formatting

A summary of the proposed amendments and additions to Chapter 15.08, Building Codes, are as follows:

Creates Section 15.08.012, Build Better Program.

- Adds Applicability (Section 15.08.012.A)
- Adds Definitions (Section 15.08.012.B)
- Adds Energy Efficiency (Section 15.08.012.C)

- Adds Water conservation, indoor air quality, construction waste, and durability and assurance (WICDA) (Section 15.08.012.D)
- Adds Points Menu (Section 15.08.012.E) that pertains to only certain projects and allows flexible options of sustainable building practices and products to be incorporated into the project.

Amends Section 15.08.020, Amendment of codes.

- Requires the performance method as a compliance path, not the prescriptive method, for commercial buildings. Residential buildings have two compliance pathways (performance using a HERS Rater and prescriptive).

Amends Section 15.08.030, Additional requirements.

- References Section 15.08.012, Build Better Program as a requirement above the 2009 IECC.

Administration

The Community Development Department will verify and implement the Build Better Program, in the following manner:

- Building will administer energy efficiency, Section 15.08.012.C.
- Building and Planning/Sustainability will administer the water conservation, indoor air quality, construction waste, and durability and assurance (WICDA), Section 15.08.012.D.
- Planning/Sustainability Department will administer the points menu, Section 15.08.012.E, excluding parts of Section 15.08.012.E.5 (the energy efficiency section of the points menu).

Financial Information

BBP - Residential New Construction

It is difficult to quantify how much energy will be saved and what the costs to build to 10% better than the 2009 IECC would be without modeling the building. In May 2010, Staff called David Neiger from Populus Sustainable Design, in Boulder, CO (David presented to the Council and held a community workshop on REMRATE and HERS last October), to see if he could provide some consulting services for staff to address the Council's request. David estimated the time it would take to re-run the software and quantify the construction costs at about \$750 per home, based on his rate of \$125/hr. Due to the expense, in 2010 staff asked Jolyon Sawrey, architect and HERS rater, to do the analysis on a Hailey home that Jolyon had already modeled and that the City has building permit information on, prior to hiring a consultant.

Jolyon took an existing REMRATE model of a 1,600 square foot home built in Hailey to the 2009 IECC and made upgrades to specific components of the building that increase energy efficiency to 10% better than the 2009 IECC. The design of the home itself and the orientation was not changed. This is important to note, because studies have shown that strategic placement of window and building orientation alone can increase energy efficiency up to 25%. This home was not designed with this in mind. The upgrades included the following (see attached chart for the financial description):

- Increase U-value of windows
- Increased ductwork air sealing
- Increased attic, wall, stem wall, and rim of floor insulation r-value

- Increased lighting to 50% CFL
- Increased furnace to 94% efficiency

Jolyon estimated the additional expenses associated with each of these upgrades and reported the yearly energy savings calculated by REMRATE. The information resulted in the following evaluation conducted by staff:

Cost increase: 0.4% (\$1,220) compared to 2009 IECC, based on the 2009 IECC cost of construction for this particular home estimated at \$300,000 (this figure includes HERS rater fees).

Annual energy costs for home built to 2009 IECC: \$1,395

Annual energy savings (built 10% more efficient): \$139.50

5 year savings: \$697.50

50 year savings: \$7,000 (assuming today's energy costs stay constant)

Simple payback: 8.7 years

If the Council wishes, staff could contract with Populus Sustainable Design to provide further evaluation using houses of varying sizes.

Up Front Costs - General Overview of Various Green Building Programs

To date there has been a widespread perception that green buildings are substantially more costly than conventional design. This perception has been the single largest obstacle to more widespread adoption of green design. While it is difficult to determine the exact upfront costs of the committee's recommendation (10% increase in energy efficiency for new construction), it is not impossible. There are many examples of national programs, such as LEED, that have been replicated all over the U.S. These national programs require much more than a 10% better energy performance and significant green improvements to water conservation, materials and resources, waste management, site suitability, durability and assurance, indoor air quality, etc. Many studies have been conducted on these existing programs that have quantified the upfront costs. From the results of existing data on upfront costs, the upfront costs for a 10% increase in energy efficiency (the committee's recommendation) can be inferred.

The following references are taken from study results of upfront costs for new construction of various "green" certified buildings. A table summary is listed below.

"Studies found that an increase in energy efficiency of 32-40% better than code can be accomplished at an increase of less than 1% in construction cost, with a simple payback of 4.5 years" (New York State Energy Research and Development Authority).

"Studies by the Department of Energy's National Renewable Energy Laboratory (NREL) illustrate that meeting a 30% residential energy consumption reduction target below the baseline-energy code will save households in every region of the U.S. between \$403 and \$612 per year after the cost of efficiency measures is factored in" (U.S. Department of Energy).

Research conducted by Sustainable Built, LLC of Boulder, indicates a HERS score of 60 (40% more energy efficient than code), increases the upfront cost by 1.75 %¹ (Sustainable Built, LLC).

¹ Complying with Boulder's Energy Codes - 3 Paths to Reach HERS 70, 60, 35, 10 (<http://www.sustainablybuilt.com/content/complying-boulder-energy-codes-0>)

A 15% increase in energy efficiency has an average upfront cost of 0-1% and will save \$496 a year in heating and cooling energy cost (Kentucky Office of Energy Policy).

A study comparing LEED buildings across the U.S. to conventional designs for the same buildings showed that an 18% increase in energy efficiency (LEED Certified) had an up front cost of 0.66%, a 30% increase in energy efficiency (LEED Silver) had a 2.11% increase in upfront costs, and a 37% increase in energy efficiency (LEED Gold) had a 1.82% increase in upfront costs (Greg Kats, Green Building Costs and Financial Benefits, 2003).

By implementing passive solar design concepts alone heating and cooling loads can be reduced by 10-15%, which requires no additional up front cost, only proper building orientation and window placement (Energy Efficiency in Buildings – Summary Report, World Business Council for Sustainable Development).

“The energy demand for new office buildings can be reduced by 50% for compared to the existing building stock without increasing construction costs (Fraunhofer Institute).

The cost to achieve LEED certification is between 0% to 3% of additional costs (Energy Efficiency in Buildings – Summary Report, World Business Council for Sustainable Development).

An Atlanta community found that for an additional \$500 in up front costs increased the energy efficiency by 40% in affordable homes (U.S. Department of Energy).

Window orientation, which has no additional up front costs, can increase energy efficiency up to 25% for some designs (U.S. Department of Energy).

By properly sealing air leakages a 30% increase in energy efficiency can occur, which typically costs less than \$200 for the average home (U.S. Department of Energy).

Type of Program	% Increase in Energy Efficiency	Additional upfront Costs	Source
LEED	18%-37%	0-3%	World Business Council for Sustainable Development
Solar window orientation	25%	0%	U.S. Department of Energy
Properly sealing air leakages	30%	Less than \$200 for the average home	U.S. Department of Energy
LEED Gold	37%	1.82%	2003 Green Building Costs and Financial Benefits, Greg Kats

Passive Solar Design	10-15%	0%	World Business Council for Sustainable Development
LEED	18%-37%	0-3%	World Business Council for Sustainable Development

Points Menu

The points menu applies to new residential construction, some residential additions greater than 500 sq. ft. of conditioned space, and exterior snowmelt systems. The number of points is based on the square footage of conditioned space and the number of bedrooms or just the square footage in the case of snowmelt systems. The impetus for the creation of the points menu is to create a flexible approach that gives numerous options to choose from in an effort to off-set the amount of resources required for larger homes and additions. It attempts to encourage smaller, more efficient homes and additions based on the fact that the larger the home the greater the amount of energy and resources are consumed. Therefore, more points or greater sustainable practices and materials would be required.

Staff has re-reviewed the points menu to determine which points and how many points could be obtained for little to no additional cost. In some cases, a contractor could save money. Staff identified point options that were thought to have little to no additional cost. Staff did not price out each point option in the points menu, due to the time required to contact manufactures, installers, and contractors. It is estimated based on staff research that 31 points can be obtained with no additional cost. Another 11 points can be obtained for less than \$100 a point. Thirty-one (31) of the following 39 points can be obtained for no additional cost:

Reuse Existing Building: Up to 5 points.

Points	Percent of Exterior Walls saved (external sheathing and framing)
3	50%
5	75%

New Construction Waste Recycling: Up to 3 points.

i) Application: points will be awarded according to the following table:

Points	Percentage Waste	Percentage Diverted
1	75%	25%
2	50%	50%
3	25%	75%

Passive Cooling: 2 to 5 points.

i) Application: Any combination of natural cooling techniques can be used to reduce overheating in homes. Use awnings and window overhangs primarily on south-facing glass to provide a balance between summer cooling and winter heating through solar gain. Points will be awarded for passive cooling systems using any two or more of these techniques (one point per option):

- (1) Exterior vertical shading devices for east- and west-facing glass.

- (2) Low emissivity films on glass on east- and west-facing windows.
- (3) Radiant barriers installed in the attic space.
- (4) Landscaping that shades east- and west-facing windows during the cooling season (June to September).
- (5) South window overhang sized to effectively shade the window (from June to September).

Energy Efficient Appliances: Up to 6 points.

(1) Application: points will be awarded for ENERGY STAR appliances according to the following:

Point s	Type of ENERGY STAR rated appliances
2	Refrigerator
2	Clothes washer
1	Freezer, not part of refrigerator appliance
1	Dishwasher

Advanced Framing Techniques: 2 to 10 points.

- i) Verification: Checked during plans review and a Verification of Accountability by Responsible Party form shall be submitted, before the final inspection.
- ii) 24-inch On-Center Framing: 2 points.
- iii) Resource Efficient Insulated Headers: 2 points.
 - (1) Application: points are awarded for incorporating a minimum R-10 insulation in the header section.
- iv) Trusses with energy heel: 2 points.
- v) HVAC Ducts Within Conditioned Spaces: 2 points.
- vi) Minimum 24-inch Roof Overhangs: 2 points.

Environmentally Preferred, Low Emission, and Local Materials: Up to 10 points from Chart

A.

i) Application: For each assembly, all product specification type requirements shall be met in order to receive the points available. Environmentally preferred and low emission qualifying products have more than one of these attributes: recycled content, reclaimed, bio-based, agricultural residue, rapidly renewable, and low or no volatile organic compounds (VOCs) emissions. A “recycled content” product must contain a minimum of 25 percent post-consumer recycled content except as noted otherwise above. Post-industrial (pre-consumer) recycled content is counted at half the rate of post-consumer content. Except as otherwise noted in Chart A, 90 percent of the component, by weight or volume, must meet the specification shown. Locally sourced materials are products that are manufactured within 500 miles of the city are considered local. (For more details on these points refer to Chart A in the

Points Menu section of the attached ordinance)

Reduction in Building Permit Fees

Due to the HERS rater providing verification with the building permit plans submittal and certificate of occupancy request as well as conducting inspections during the interim, the Building Department would no longer inspect the plans for energy code compliance for new residential construction that chose to pursue the performance pathway to show compliance. In 2010, the Building Department estimated that approximately 50% of the time spent on building permits for new residential construction was dedicated to energy code compliance. With the HERS rater providing this service, the building permit fee could be reduced by 50%. For a \$300,000 home, this equates to a \$1,500 reduction, approximately. HERS rater fees for new construction is estimated to cost \$1,000 to \$1,500. This fee reduction was used by the three (3) BBP voluntary projects that are currently being constructed.

Activity Since 2011

During the past 24 month voluntary period, I have met with a number of individuals and have the collected the following feedback and information:

1. Three Hailey building permit applicants have committed to participating in the program. To date none of these projects have been completed; however, the city can glean a limited amount of information from the projects and the experience of the applicants to help guide the Council in their future decision to consider the BBP for adoption as a mandatory code.
2. Blaine County adopted a similar mandatory program in May 2011 and has processed a number of applications that have complied with the County's new requirements, which provides Hailey with valuable information.
3. The City of Ketchum adopted a mandatory above-code building program for residential construction May 2012, with hearings on their commercial code to begin shortly.

Each of these occurrences is further elaborated on below.

1. Hailey BBP Participants

Blake Eagle is building a new residential construction project and is nearing completion. His general comments, taken from February 2012, are as follows:

- "baby steps" are appropriate,
- Hailey, Ketchum, and County codes should as unified as possible,
- greater financial incentives should be available to help off-set costs, and
- during his comments to the Council at the February 2012 meeting he stated he was in support of the BBP.

He was particularly interested in seeing DIF reduced or deferred as an offered incentive. The participant is already receiving a 50% reduction in building permit and review fees, which is currently only allowed for residential, new construction that pursues the performance pathway using a HERS Rater. The rationale behind this reduction is that a 3rd party HERS (Home Energy Rating System) rater is now modeling the plans and submitting a HERS score with the building permit plans to verify proposed energy efficiency and energy code compliance and conducting the field verification and post construction HERS scores to verify compliance. The building department's time conducting energy code compliance at permit review and during field inspections has been estimated at half of the total review and inspection time.

Tom Held has completed the framing on his new construction residential project. His HERS score is 64. Staff spoke to Held on December 13, 2012. His comments are as follows:

- It isn't a steep learning curve
- It's just an extra step, like adapting to any new code.
- The BBP is rational and is easier than Ketchum's program.
- The up-front costs are incidental. A better job of caulking can help reduce air infiltration to achieve a better HERS score (10% or better energy efficiency increase). Those costs are estimated to be two \$25 cans of foam and a few hours of labor, which equate to approximately \$100.
- No problems with making it mandatory, but does not want to see Hailey go to Ketchum's code, due to his perception that it is more difficult.

Thad Farnham has almost completed his new construction residential project. It is expected to receive a HERS score of 41, which far exceeds the requirement of HERS 72. Staff spoke with him on December 13, 2012. His comments were as follows:

- The BBP is well thought out and crafted.
- It is easily attainable.
- The points for new residential construction are easy to achieve.
- It is good that there is a prescriptive and performance pathway and both are easily achievable.
- He hopes that the community becomes more aware of HERS scores and that consumers begin to use it as a tool to better understand home performance.

2. Blaine County's Experience with a Mandatory Code

Bill Dyer, the County's Building Official, has been implementing the County's Buildsmart regulations for since May 2011. Bill has found that there is additional time required when processing building permits, to explain to the public what the new requirements are. He said there are a number of projects that are exempt from Buildsmart, but the owners and/or builders are choosing to go forward with the testing protocol provided by a HERS rater to verify whole house air sealing with a blower door test (this is the same testing used in Hailey's BBP) and to identify what the project's HERS score is. Some permit for a new single family residence have elected to pursue the National Green Building Standard's (NGBS) emerald target, in-lieu of the Buildsmart requirements. Overall, Bill has indicated that there have been no major issues with the new code and no changes have been deemed necessary since Buildsmart's adoption.

In February 2012 staff spoke with John Reuter, a local HERS rater. At the time he had worked as the 3rd party verify for more than seven (7) projects that fell under the Buildsmart program requirements. He has found that a number of County projects easily achieve the requirement. However, a few have not, especially the larger projects, such as a 7,000 sq. ft. home that requires a HERS score of 48 due to the County's requirements for larger homes. In explaining Hailey's program to John, he expressed to me that he is a builder's advocate and is choosing not to advocate mandatory programs; however, he felt, based on the projects he has worked on that 10% better than the current code (BBP energy requirement), was not difficult or expensive to achieve.

3. City of Ketchum's Mandatory Code

Ketchum recently adopted NGBS for their mandatory residential code. NGBS is considered a comprehensive green building code; similar to LEED, it addresses indoor air quality, waste management, energy efficiency, water conservation, etc. NGBS is an allowable exemption of Hailey's BBP. LEED is an exemption in both Hailey voluntary code and Ketchum and the County's mandatory code. Ketchum will has been reviewing a mandatory commercial code. Ketchum's code offers a prescriptive and performance path; however even the prescriptive path requires a blower door test to identify air leaks in the building and verify quality construction. Ketchum staff, who worked on the proposed code, has stated that in the public workshops and hearings NGBS has been well received by the community. Ketchum staff estimate a 2-6% upfront cost increase and stated that NGBS is easier to achieve, cheaper to certify, and costs approximately 1/3 of the total cost when compared to LEED.

COMPARISON CHART

	Hailey – Build Better Program	Ketchum - NGBS	Blaine County – Build Smart
Types of buildings	Residential and Commercial	Residential with Commercial to follow shortly	Residential
Status	Voluntary	Mandatory	Mandatory
Applicable Remodels/Renovations	500 sq. ft.	Over 300 sq. ft. of conditioned space	25% of the structures interior or exterior membrane is removed.
Applicable Additions	500 sq. ft.	Over 300 sq. ft. of conditioned space	301 sq. ft.
Energy Requirement	10% better than the 2009 IECC	Points based, but must be better than 2009 IECC.	15-75% better than 2009 IECC, depending on building size
Other Requirements	Points based water conservation, waste management, indoor air quality and materials management/selection	Points based water conservation, waste management, indoor air quality and materials management/selection	No
Outdoor Energy Conservation	Voluntarily regulates snowmelt	Regulates pools, spas, snowmelt	Regulates pools, spas, snowmelt
Excepted alternatives	LEED and NGBS	LEED	LEED and NGBS

Summary

The Council should review the proposed ordinance amendment and approve, deny, or modify the amendment.

If the proposed change is approved, the Council is required to pass an ordinance making said amendment part of Hailey Municipal Code. The draft ordinance is attached.

Motion Language

Approval:

Motion to approve the proposed amendments to Chapter 15.08, adopting Ordinance ____ and authorize the mayor to conduct the first reading by title only.

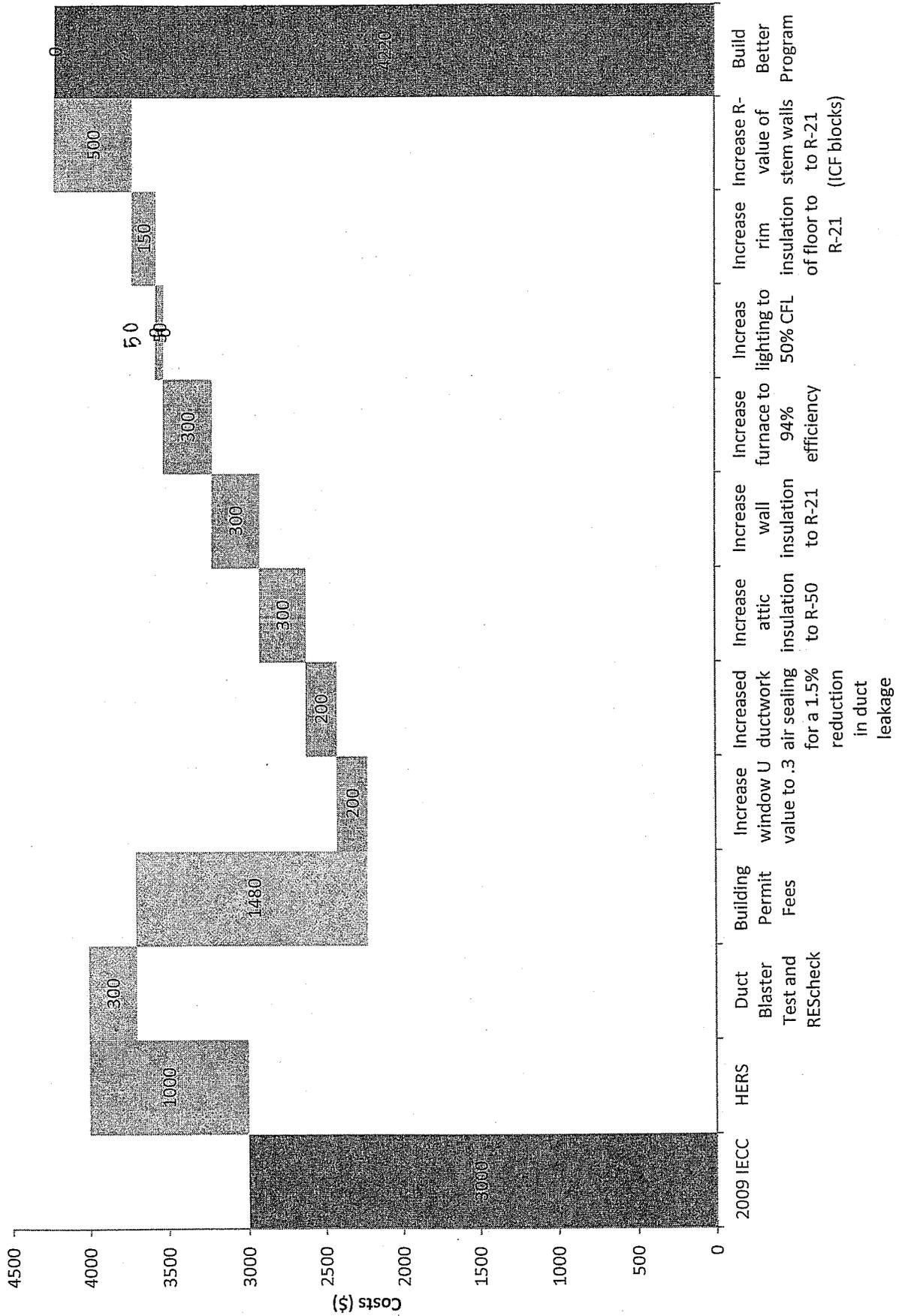
Denial:

Motion to deny the proposed amendments to Chapter 15.08, finding that _____ [the Council should state reasons why the amendment is denied].

Continuation:

Motion to continue the public hearing upon the proposed amendment to Chapter 15.08 to _____ [the Council should specify a date].

Build Better Program - New Residential Construction



HAILEY ORDINANCE NO. _____

AN ORDINANCE OF THE CITY OF HAILEY AMENDING HAILEY MUNICIPAL CODE, CHAPTER 15.08, BUILDING CODE ORDINANCE, BY ADOPTING A NEW SECTION 15.08.012, BUILD BETTER PROGRAM, WHICH INCREASES ENERGY CONSERVATION AND PROMOTES SUSTAINABLE BUILDING PRACTICES; BY AMENDING SECTION 15.08.030 TO CREATE ADDITIONAL REQUIREMENTS FOR INCREASED ENERGY EFFICIENCY AND SUSTAINABLE BUILDING PRACTICES; BY PROVIDING FOR A SEVERABILITY CLAUSE; BY PROVIDING FOR A REPEALER CLAUSE; AND BY PROVIDING AN EFFECTIVE DATE.

WHEREAS, Idaho Code § 30-4116 allows the City of Hailey to amend the 2009 IECC to reflect local conditions, provided the amendments provide an equivalent level of protection;

WHEREAS, the adoption of the Build Better Program will conserve energy, water and other natural resources and preserve the health of our environment through requirements related to design, construction, operations, recycling, and thereby promotes the public health, safety, and welfare;

WHEREAS, buildings use the most energy of any sector in the US - more than the transportation sector - therefore; it makes sense to curtail impact where they are greatest;

WHEREAS, Hailey's climate requires significant amounts of energy to heat during the winter months, which translates to higher energy costs and provides an opportunity to substantially increase efficiencies and savings;

WHEREAS, the average life span of a building is 75 years and during this time the status of energy prices and availability could change, especially considering the potential impacts of climate change and future policies aimed at curtailing emissions associated with climate change;

WHEREAS, the City of Hailey has previously enacted Hailey Ordinance Nos. 1074 and 1105 which established a voluntary Better Build Program and has determined that the Better Build Program has not been an obstacle for new construction or for remodels; and

WHEREAS, the Hailey City Council finds that the adoption of the Better Build Program in Section 15.08.012 of the Hailey Municipal Code is in the best interests of the citizens of Hailey and will promote the health, safety and general welfare of the citizens of Hailey.

NOW, THEREFORE BE IT ORDAINED BY THE MAYOR AND CITY COUNCIL OF THE CITY OF HAILEY, IDAHO, AS FOLLOWS:

Section 1. Section 15.08.012, of the Hailey Municipal Code, Build Better Program, is created by the addition of the following language:

A. Applicability. This Section 15.08.012 is a supplement to the other adopted International Codes and is not intended to be used as independent construction regulations or to

abridge or supersede safety, health or environmental requirements under other applicable codes or ordinances. All commercial and residential New Construction, Additions, Repairs and Alterations shall comply with the standards of Section 15.08.012, unless otherwise stated herein.

1. Referenced Codes and Standards. It is the expressed intent of this section to require higher minimum standards relating to Building performance than the corresponding minimum standards set by the referenced codes and standards, and in such cases, the higher minimum standards of this section shall take precedence.

2. Other Laws and Codes. The provisions of this chapter shall not be deemed to nullify any provisions of local, state or federal laws and codes.

3. Residential New Construction Exemptions. U.S. Green Building Council's Leadership in Energy and Environmental Design for Homes certification level or National Association of Home Builder's Green Building Program bronze level project are exempt from the Build Better Program requirements. Either exemption must verify that the project is 10% more energy efficient than the IECC, using a HERS Index or the alternative method described in Section C.1.a.ii. of this Ordinance. The exemptions listed above must show intent to meet the requirements at the Building Permit review stage through plans and an initial HERS score based on the proposed design. Prior to receiving a certificate of occupancy, copies of all program documentation and a final HERS score shall be submitted to the Building Department.

4. Commercial New Construction Exemptions. U.S. Green Building Council's Leadership in Energy and Environmental Design for New Construction minimum certification level projects are exempt from the Build Better Program requirements, provided the applicant verifies that the project meets the minimum energy efficiency requirements for Commercial Buildings, as identified in Section 15.08.012.C.2.a of the Hailey Municipal Code. The applicant must identify the intent to meet U.S. Green Building Council's Leadership in Energy and Environmental Design for New Construction certification level, at a minimum, at the Building Permit review stage with an indication on the plans and with a written narrative what Leadership in Energy and Environmental Design points will be achieved. Prior to receiving a certificate of occupancy, copies of all program documentation shall be submitted to the Building Department.

5. Exemptions for Commercial and Residential Alterations and Additions. In Addition to the exemptions listed in Section 101.4 of the IECC, the following projects are exempt from Section 15.08.012:

- a. Window frame and glass replacements of the same size and location.
- b. Bathroom remodel projects limited to the replacement of fixtures and cabinets.
- c. Kitchen remodel projects limited to the replacement of cabinets, counter tops, plumbing fixtures, and appliances.
- d. Electrical work associated with permits issued only for electrical work
- e. Plumbing associated with permits issued only for plumbing.
- f. Replacement of HVAC appliances associated with permits issued only for appliance replacement.
- g. Reroofs.
- h. Additions less than 500 square feet of Conditioned Floor Area.

- i. New construction or Additions of any size that do not include any Conditioned Floor Area.
- j. Alterations that do not affect the integrity of the Building envelope.
- k. Alterations that do not require a Building Permit.
- l. Tenant and ADA improvements required by the Building Department.
- m. Structures listed on the National Historic Register.

B. Definitions. For the purpose of this Section 15.18.012, the following capitalized words and phrases shall apply as defined herein, in addition to definitions found in Chapter 2 of the IECC.

“Program Administrators” shall mean city staff from the Building and Planning Departments who administer Section 15.08.012 of the Hailey Municipal Code, the Build Better Program.

“Certified HERS Rater” shall mean a Home Energy Rating System provider who has current and valid certification under Residential Energy Services Network (RESNET) and who adheres to the RESNET defined standards of practice and code of ethics.

“Compact fluorescent light bulb” or “CFL” shall mean a fluorescent light bulb that has been compressed into the size of a standard-issue incandescent light bulb, known for its long life span and superior energy efficiency when compared to incandescent lights.

“COMcheck Energy Analysis” shall mean a software used to verify commercial code compliance and above code requirements with the IECC.

“EnergyPlus” shall mean software used to evaluate and analyze building energy performance.

“ENERGY STAR Advanced Lighting Package” or “(ALP)” shall mean an ENERGY STAR Certified Home that includes a comprehensive set of ENERGY STAR qualified light fixtures that at a minimum consist of 60% ENERGY STAR qualified hard-wired fixtures and 100% ENERGY STAR qualified ceiling fans where installed.

“ENERGY STAR Builder” shall mean a builder who has completed ENERGY STAR’s Partnership Agreement, has selected a Home Energy Rater, and who is listed on the ENERGY STAR website as an ENERGY STAR partner.

“ENERGY STAR Indoor airPLUS” or “IAP” shall mean an ENERGY STAR Certified Home that includes a number of construction practices and technologies to decrease the risk of poor indoor air quality, including careful selection and installation of moisture control systems, heating, cooling, and ventilation (HVAC) equipment, combustion venting systems, and building materials. that are tested and verified by an independent party.

“ENERGY STAR Northwest Program” shall mean an independently tested and verified home energy certification program that ensures homes are built 15% more energy efficient compared to current code building homes.

“EQuest” shall mean a software used to evaluate and analyze building energy performance.

“Forest Stewardship Council Certified” or “FSC Certified” shall mean a label that verifies a chain of custody certification that wood that has been grown in a manner that meets the FSC’s sustainable forestry practices and standards.

“Home Energy Rating System Audit” or “HERS Audit” shall mean a comprehensive visual and technical energy analysis of a home using Residential Energy Services Network’s (RESNET) protocol and a REM/Rate™ Energy Analysis and includes a prioritized list of suggested improvements and their associated energy and financial savings. At a minimum, the audit evaluates the following, to determining the rating of the home: blower door test, duct blaster test (if applicable), an inventory of the lighting, appliances, insulation, solar orientation, and heating and cooling equipment.

“Home Energy Rating System Index” or “HERS Index” shall mean a scoring system established by the Residential Energy Services Network (RESNET) in which a home built to the specifications of the HERS Reference Home scores a HERS Index of 100, while a net zero energy home scores a HERS Index of 0. The lower a home's HERS Index, the more energy efficient it is in comparison to the HERS Reference Home.

“Light Emitting Diode” or “LED” shall mean an electronic device that emits light when an electrical current is passed through it, known for its long life span and superior energy efficiency when compared to incandescent lights.

“Leadership in Energy and Environmental Design Accredited Professional” or “LEED AP” shall mean a person who has successfully passed a test on the LEED process, points, and documentation requirements, in accordance with the US Green Building Council’s specifications

“Minimum Efficiency Reporting Value” or “MERV” shall mean a rating method used for comparing the efficiency of an air filter; the higher the MERV rating, the better the filter is at removing particles from the air.

“National Association of Home Builder’s Green Building Program” shall mean a program based on the International Code Council 700-2008 National Green Building Standard™ and is a 3rd party tested and verified green building program.

“Natural Air Changes Per Hour” or “NACH” shall mean the natural movement of the total volume of air in a given space that is exchanged over a period of one hour, measured using a blower door test at 50 Pascal.

“New Construction” shall mean any building with less than 50% of its exterior walls and foundation remaining or that is being built on a vacant building envelope, where no previously built structure exists at the time of building.

“REM/Rate™ Energy Analysis” shall mean a residential code compliance and rating software developed specifically for the needs of HERS raters, that calculates heating, cooling, hot water, lighting, and appliance energy loads, consumption and costs for new and existing single and multi-family homes.

“REScheck Energy Analysis” shall mean a software used to verify residential code compliance and above code requirements with the IECC.

“Residential Energy Services Network” or “RESNET” shall mean an industry not-for-profit membership corporation that is the national standards making body for building energy efficiency rating systems.

“Structural Insulated Panels” shall mean a high performance building panels used in floors, walls, and roofs for residential and light commercial buildings. The panels are typically made by sandwiching a core of rigid foam plastic insulation between two structural skins of oriented strand board (OSB).

“U.S. Green Building Council’s Leadership in Energy and Environmental Design for Homes” or “LEED for Homes” shall mean a consensus-developed, third party-verified, voluntary rating system which promotes the design and construction of high-performance green homes.

“U.S. Green Building Council’s Leadership in Energy and Environmental Design for New Construction” or “LEED for New Construction” shall mean a rating system designed to guide and distinguish high-performance commercial and institutional projects, including office buildings, high-rise residential buildings, government buildings, recreational facilities, manufacturing plants and laboratories.

“Verification of Accountability by Responsible Party” shall mean a form furnished by the Program Administrators for the use of verifying, by the Building owner, contractor, or other responsible party, that points have been met in accordance with the requirements of Section 15.08.012.E, Points Menu.

“WaterSense Program” shall mean a water conservation program with oversight by the U.S. Environmental Protection Agency that requires all toilets, urinals, faucets, showerheads, and other products labeled under the program to undergo independent 3rd party testing to ensure that water conservation is at least 20% greater than conventional items in the respective category.

“Whole House Fan” shall mean a type of fan installed in a building’s ceiling, designed to pull hot air out of the building and increase building cooling.

“Zoned Hydronic Radiant Heating” shall mean a heating system using a boiler to heat water and a pump to circulate hot water through radiant floor panels, wall radiators, or baseboard convectors. The pipes, embedded in the floor, carry heated water that conduct warmth to the surface where it broadcasts energy to separated radiant heat zones, which are controlled a thermostat and served by a manifold which distributes the flow of warm water to the individual circuits of tubing within each zone.

C. Energy Efficiency. All commercial and residential New Construction and Additions shall comply with the IECC, and shall increase energy efficiency 10% beyond the IECC requirements.

1. Residential Energy Efficiency. Energy Efficiency shall be 10% greater than the IECC requirements for New Construction, Additions, and Alterations with Conditioned Space, 500 square feet or greater.

a. New Construction. Energy efficiency shall be verified by a RESNET Certified HERS Rater using a REM/RATE™ Energy Analysis and IECC Section 405 criteria, unless specified herein. Applicants shall submit an initial HERS Index score based on the proposed design with a Building Permit application. Prior to receiving a certificate of occupancy, a final HERS Index score shall be submitted to the Building Department, verifying that both project is 10% more energy efficient compared to the IECC.

i) New residential construction certified under the current ENERGY STAR Northwest Program is exempt from Section 15.08.012.C.1, providing the Building plans and the constructed building are certified ENERGY STAR Northwest.

ii) New residential construction is not required to be verified by a HERS Rater if they install a 90% AFUE furnace or equivalent system; a 0.62 EF water heater or equivalent system, all lights are LED or CFL, and air sealing tests verify 5 air exchanges per hour at 50 Pascals.

b. Additions. A RESNET Certified HERS Rater shall conduct a Certified HERS Audit of the entire Building associated with the Addition, unless a previous Certified HERS Audit has been conducted and submitted to the Building Department within the last 5 years. The energy efficiency of the Addition itself shall be verified by a REScheck Energy Analysis. Applicants shall submit a REScheck Energy Analysis based on the proposed design

with a Building Permit application. Prior to receiving a certificate of occupancy, the specifications of the REScheck Energy Analysis will be verified by the Building Department during routine inspections. The REScheck Energy Analysis shall project a 10% more energy efficient design compared to the IECC.

c. Alterations. All Alterations that require a Building Permit and affect the Building envelope are required to conduct a Certified HERS Audit by a RESNET Certified HERS Rater of the entire Building associated with the Alteration, unless a previous Certified HERS Audit has been conducted and submitted to the Building Department within the last 5 years. A REScheck Energy Analysis shall be submitted to the Building Department verifying that the Alteration exceeds the energy efficiency requirements of the IECC by 10% or by calculating the energy efficiency rating of a specific component that affects energy efficiency associated with the alteration. For example: the IECC requires a U-factor of 0.3 for a new window installation. A new window that is 10% more efficient would have a U-factor of 0.27 or better.

i) Any window installation is not required to conduct a Certified HERS Audit.

2. Commercial Energy Efficiency.

a. New Construction. Buildings less than 10,000 square feet of Conditioned Space shall verify energy efficiency using a COMcheck Energy Analysis and Buildings 10,000 square feet or larger shall verify energy efficiency using an energy model.

i) Buildings under 10,000 square feet of Conditioned Space. Applicants shall submit a COMcheck Energy Analysis based on the proposed design with a Building Permit application. Prior to receiving a certificate of occupancy, the specifications of the COMcheck Energy Analysis will be verified by the Building Department during routine inspections. The COMcheck Energy Analysis shall project a 10% more energy efficient design compared to the IECC.

ii) Buildings 10,000 square feet of Conditioned Space or larger shall be energy modeled by a licensed engineer using Building Department Approved energy modeling software. Approved software includes, but is not limited to, the most recently published version of the following: eQuest, Trace, Carrier HAP, and EnergyPlus. The model shall verify that amount of energy used is 10% more energy efficient compared to the IECC and shall be submitted to the Building Department with the Building Permit application. Prior to receiving a certificate of occupancy, the specifications of the energy model will be verified by the Building Department during routine inspections.

b. Additions. An energy audit shall be conducted by an Idaho licensed engineer on the entire Building associated with the Addition, unless an energy audit by an Idaho licensed engineer has been conducted and submitted to the Building Department within the last 5 years. Energy efficiency shall be verified by a COMcheck Energy Analysis. Applicants shall submit a COMcheck Energy Analysis based on the proposed design with a Building Permit application. Prior to receiving a certificate of occupancy, the specifications of the COMcheck Energy Analysis will be verified by the Building Department during routine inspections. The COMcheck Energy Analysis shall project a 10% more energy efficient design compared to the IECC.

c. Alterations. An energy audit shall be conducted by an Idaho licensed engineer on the entire Building associated with the Addition, unless an energy audit by an Idaho licensed engineer has been conducted and submitted to the Building Department within the last 5 years. A COMcheck Energy Analysis shall be submitted to the Building Department

verifying that the Alteration exceeds the energy efficiency requirements of the IECC by 10% or by calculating the energy efficiency rating of a specific component that affects energy efficiency associated with the alteration. For example: the IECC requires a U-factor of 0.3 for a new window installation. A new window that is 10% more efficient shall have a U-factor of 0.27 or better.

- i) Any window installation is not required to conduct an Audit.

D. Water, Indoor Air, Construction Waste, Durability and Assurance (WICDA). The provisions of WICDA apply to new residential and commercial construction.

1. Water Conservation. All faucets, showerheads, and toilets installed in a Building for domestic use and restroom facilities, shall use 20% less water than standard fixtures or be labeled by the WaterSense Program, which use at least 20% less water than standard fixtures. Water Sense labels or equivalent documentation shall be submitted to the Building Department or provided during final inspection for verification.

2. Indoor Air. The applicable sections of the most recent edition of the International Mechanical Code shall be met to ensure proper ventilation.

3. Construction Waste. In Addition to waste receptacles, bins for cardboard and clean wood waste shall be provided and sorted accordingly on-site during construction and will be verified by the Program Administrators during regularly scheduled inspections.

4. Durability and Assurance. Details and specifications shall be submitted in the drawings, details, or in packet form with the Building Permit in order to promote durability, and high performance of the Building enclosure and its components and systems through appropriate design, materials, selection, and construction practices.

- a. Under the following categories, the Program Administrators shall specify what items shall be applicable and provide a list of these items with the Building Permit:

- i) Foundations
- ii) Walls
- iii) Roofs
- iv) Air infiltration
- v) Heat loss

- b. Before the issuance of a certificate of occupancy, applicants shall sign a declaration that states all items are installed to manufacturer's specifications and plan details.

E. Points Menu. Unless a qualifying exemption applies, the following construction activities: exterior snow melt systems, residential New Construction, and residential Additions of 500 square feet of Conditioned Space or greater, shall obtain points from Sections (4) through (11) herein, in an amount determined by the applicable points equation in (a), (b), or (c), below. Any two or more building permits for the same structure that are applied for in any 12 month period shall be considered as one application for the purpose of calculating points.

1. Calculation of Points. Points are accumulated based on the total square feet of Conditioned Space and the number of bedrooms included in the Addition or New Construction project or the square footage of an exterior snow melt system. Points shall be rounded down to the nearest 0.5 (example: a points equation resulting in 2.7 points shall be rounded down to 2.5 points and a points equation resulting in 3.4 points shall be rounded down to 3.0 points)

- a. Points equation for New Construction. (Square footage of Conditioned Space)/(number of bedrooms) x 0.01 = required points.

Building. i) Points shall be applied to the construction of the new residential

b. Points equation for Additions. (Square footage of Conditioned Space of Addition) / (Number of bedrooms included in Addition + 1) x 0.01 = required points.

i) Points shall be applied to the Addition, existing structure, or a combination of both.

c. Points equation for exterior snow melt systems. (Square footage of exterior snow melt)/100 = required points.

i) Points shall be applied to the new or existing structure, or a combination of both, if applicable, and shall only be obtained from Section 15.08.012.E.5, Energy Efficiency.

2. Restrictions. When points are required for more than one construction activity, the same item cannot count as a point(s) for satisfying multiple point requirements under more than one construction activity.

3. Verification. Before final inspection, a Verification of Accountability by Responsible Party form shall be submitted, along with supporting documentation such as copies of receipts and invoices, material packaging, and photos, unless an alternative method of verification is specified herein.

4. Waste Management.

a. Reuse Existing Building. Up to 5 points.

Points	Percent of Exterior Walls saved (external sheathing and framing)
3	50%
5	75%

b. New Construction Waste Recycling. Up to 3 points.

i) Application. points will be awarded according to the following table:

Points	Percentage Waste	Percentage Diverted
1	75%	25%
2	50%	50%
3	25%	75%

5. Energy Efficiency.

a. Insulation. Up to 7 points.

i) Wall Insulation. 2 points.

(1) Application. R-24 minimum wall cavity insulation.

(2) Verification. Checked during plan review by the

Program Administrators and verified by the Certified HERS Rater for New Construction and checked during plan review and verified by the Program Administrators for Additions.

ii) Basement or Foundation Insulation. 1 to 5 points.

(1) Application. Insulation must be installed on the full height of a basement or foundation wall.

(2) Verification. Checked during plan review by the Program Administrators and verified by the Certified HERS Rater for New Construction and

checked during plan review and verified by the Program Administrators for Additions.

Points	R-Value and insulated concrete forms
1	15, or
2	20, or
3	25, and
2	Use of insulated concrete forms on the foundation (stem wall and footing)

b. Windows. Up to 3 points.

i) Application. New windows or replacement windows installed as part of an Addition are awarded points as follows:

Points	Maximum U-factor*
1	0.3
2	0.28
3	0.26

*U-factor, as established by the National Fenestration Rating Council (NFRC).

ii) Verification. Checked during plan review by the Program Administrators and verified by the Certified HERS Rater for New Construction and checked during plan review and verified by the Program Administrators for Additions. The inspector must be able to clearly identify the U-factor and Solar Heat Gain Coefficient (SHGC) ratings and window type by the National Fenestration Rating Council's stamp or the manufacturer's label. Applicant must show the number of windows to be upgraded on Building plans.

c. Air Sealing of an Existing Building. Up to 4 points.

i) These points shall not be applied to New Construction activity. Points will be awarded when a HERS rating is applied to the existing structure before and after construction showing the following blower door results:

Points	Natural Air Changes Per Hour at 50 Pascal
1	4
2	3
3	2
4	1

d. Heating, Ventilation, and Air Conditioning (HVAC) Systems.

i) HVAC Commissioning. 1 point for each commissioning that applies; up to 3 points.

(1) Application. 1) test for duct leakage at a 6% target to floor area ratio at 50 Pascal, 2) test and adjust firing rate to within recommended manufacturer specifications and suitable to occupant conditions, and 3) test and adjust refrigerant charge to manufacturer specifications.

ii) Heat Pumps.

Points	Type of source pump installed
8	Water
6	Ground
4	Air

iii) Sealed combustion or power vent assisted Water Heating

System. 2 Points.

(1) Verification. New Constructions - checked during plan

review by the Program Administrators and verified by the Certified HERS Rater. Additions - checked during plan review and verified by the Program Administrators.

iv) ENERGY STAR boiler, furnace, or hot water heater: 2 points each.

e. Zoned, Hydronic Radiant Heating. 2 points.

i) Application. Use a Zoned Hydronic Radiant Heating system that circulates hot water through radiant floor panels, wall radiators, or baseboard convectors located in different areas or zones of the house.

ii) Verification. Checked during plan review. Inspected in field.

f. Passive Cooling. 2 to 5 points.

i) Application. Any combination of natural cooling techniques can be used to reduce overheating in homes. Use awnings and window overhangs primarily on south-facing glass to provide a balance between summer cooling and winter heating through solar gain. Points will be awarded for passive cooling systems using any two or more of these techniques (one point per option):

(1) Exterior vertical shading devices for east- and west-facing glass.

(2) Low emissivity films on glass on east- and west-facing windows.

(3) Radiant barriers installed in the attic space.

(4) Landscaping that shades east- and west-facing windows during the cooling season (June to September).

(5) South window overhang sized to effectively shade the window (from June to September).

ii) Verification.

(1) New Constructions: checked during plan review by the Program Administrators and verified by the Certified HERS Rater.

(2) Additions: checked during plan review and verified by the Program Administrators. Indicate the passive cooling design features on the Building Permit plan, for option number 5 above; submit a calculation that demonstrates overhangs have been designed in accordance with the equation below for all south-facing glass. The formula below will result in window overhangs that shade 100 percent of south-facing window glazing on June 21 (summer solstice).

(3) Applicants should use this formula as a guide for sizing all south-facing overhangs:

$D = H/F$ where:

D = Distance of overhang

H = Height from bottom of glass to overhang

F = 3.38 (F is a value corresponding to the noon sun altitude angle on June 21st)

g. Whole House Fan. 2 points.

i) Application. Install a Whole House Fan with an insulated cover that creates an airtight seal between attic and living space when the fan is off. For maximum effectiveness, the fan should be mounted in a hallway ceiling on the top floor of the house, and should be sized to produce four to five air changes per hour within the home.

ii) Verification. Checked during plan review by the Program Administrators and verified by the Certified HERS Rater for New Construction and checked

during plan review and verified by the Program Administrators for Additions.

h. Water Heating. Up to 2 points.

i) Application. Point-of-use water heating uses a mini-water heater at remote fixtures to reduce the energy and water use associated with long piping runs. They are sized to supply hot water to a single fixture such as a sink. Gas-fired models must have a minimum energy factor of 0.82 to achieve this credit.

Points	Type of water heater
2	Tankless
2	Point of Use
2	Indirect fired

ii) Verification.

(1) New Constructions. Checked during plan review by the Program Administrators and verified by the Certified HERS Rater.

(2) Additions. Checked during plan review and verified by the Program Administrators.

i. Lighting and Appliances.

i) ENERGY STAR qualified CFLs or LEDs. 5 points.

(1) Application. Lighting shall be installed in accordance with the lighting table below.

(2) Any exterior lighting fixture must comply with city of Hailey Outdoor Lighting Ordinance requirements.

Area	Rooms	Required percentage of installed ENERGY STAR qualified CFL or LEDs
High-Use Rooms	Kitchen, dining room, living room, family room bathroom(s), hall(s)/stairway(s)	50 percent of total number of fixtures
Medium/Low-Use Rooms	Bedroom(s), den, office, basement, laundry room, garage, closet(s), and all other rooms	25 percent of total number of fixtures
Outdoor	Outdoor lighting affixed to the structure or free-standing pole(s) except for landscape and solar lighting	50 percent of total number of fixtures including all flood lighting

(3) Verification. Checked during plan review by the Program Administrators and verified by the Certified HERS Rater for New Construction and

checked during plan review and verified by the Program Administrators for Additions.

ii) Efficient Light Controls. Up to 2 points.

(1) Application. Efficient lighting controls include occupancy sensors, dimming controls, and automatic daylight dimming controls. Points will be awarded for efficient light controls according to the following:

Points	Number of control devices
1	4
2	6

(2) Verification. New Construction shall be checked during plan review by the Program Administrators and verified by the Certified HERS Rater and Additions shall be checked during plan review and verified by the Program Administrators.

j. Energy Efficient Appliances. Up to 6 points.

(1) Application. Points will be awarded for ENERGY STAR appliances according to the following:

Points	Type of ENERGY STAR rated appliance
2	Refrigerator
2	Clothes washer
1	Freezer, not part of refrigerator appliance
1	Dishwasher

(2) Verification. New Construction will be verified by the Certified HERS Rater and Additions will be verified by the Program Administrators. Appliance ENERGY STAR labels must remain on the equipment for inspection by a Certified HERS Rater or Building Inspector.

6. Solar.

a. Passive Solar Heating Design. Up to 12 points.

i) Application. Points will be awarded in accordance with the following table, by designing with passive solar heating elements of south-facing glazing, appropriate thermal mass, and Building overhangs:

Points	Percent verifying calculations of the Solar Heat Gain Coefficient
6	40-49%
8	50-59%
10	60-69%
12	More than 70%

ii) Verification. Inspected during plan review. Submit modeling documentation with the designer or architect's signature verifying calculations of the Solar Heat Gain Coefficient.

b. Solar Thermal Domestic Hot Water System. 8 points.

i) Application. A solar water heating system shall include south-facing rooftop or ground-mounted collectors, a heat exchanger to transfer the solar heat to the domestic water, and an insulated storage tank to store the heated water. The system shall be sized to provide at least 50 percent of the domestic hot water load. Sufficient unshaded south-facing roof area for collectors and space in a mechanical equipment room must be provided for the additional hot water storage tank.

ii) Verification. Checked during plan review by the Program Administrators and verified by the Certified HERS Rater for New Construction and checked

during plan review and verified by the Program Administrators for Additions.

c. Pre-Plumb for Solar Thermal System Retrofit and include area required for future tanks and pumps. 2 points.

i) Application. Install minimum 1/2" (5/8" OD) copper pipes, minimum 1" wall thickness high temperature 250°F rated insulation, and THN shielded 4 conductor sensor wiring between the attic and the water heater location. To accommodate "active" systems, provisions shall be made for a solar storage tank footprint, with pressure relief drain line, and an electrical outlet for a pump. An 8 ft. by 8 ft. section of south-facing roof suitable for future installation of solar panels shall be provided.

ii) Verification. Checked during plan review by the Program Administrators and a Verification of Accountability by Responsible Party form shall be submitted, before the final inspection.

d. Active Solar Electric System. Up to 12 Points.

i) Application. Design and install a solar PV system to meet some of the electrical load of the Building.

Points	size of kilowatt (kW) system
6	2
8	3
10	4
12	5 or larger

ii) Verification. The applicant must submit documentation by a qualified engineer or equivalent of the solar installation company of the electrical production calculations using industry-accepted formulas. Installation verified by the Certified HERS Rater.

e. Pre-Wire, or Chase Way, or Conduit, and Provide Area for Future Solar Electric, Photovoltaic (PV) System Retrofit. 2 points.

i) Application. Prewire, chase way, or conduit from the attic to a location near the electric service entrance/circuit breaker panel, allowing space for installation of PV modules on south-facing roofs, and ensuring that roof trusses are adequate to accommodate any added roof loads. maintain a 200 square foot or larger section of unshaded south roof area clear of vent pipes and other obstructions to allow for the installation of modules. Install 3/4-inch or larger EMT (electrical metal tubing) or FMC (flexible metal conduit) to accommodate wires run from the attic to a junction box near the main panel and meter. Provide the owner with a roof plan with the preferred location for PV modules and the conduit location clearly marked, and provide structural information on what added loads the roof can accommodate.

ii) Verification. checked during plans review and a Verification of Accountability by Responsible Party form shall be submitted, before the final inspection.

7. Material Efficient Framing and Structure

a. Advanced Framing Techniques: 2 to 10 points.

i) Verification. Checked during plans review and a Verification of Accountability by Responsible Party form shall be submitted, before the final inspection.

ii) 24-inch On-Center Framing: 2 points.

iii) Resource Efficient Insulated Headers: 2 points.

(1) Application. points are awarded for incorporating a minimum R-10 insulation in the header section.

iv) Trusses with energy heel: 2 points.

- v) HVAC Ducts Within Conditioned Spaces: 2 points.
- vi) Minimum 24-inch Roof Overhangs: 2 points.

(1) Application. Design at least a 12-inch overhang with gutters around the Building's entire roof. Install gutter and downspout system to divert water five feet away from foundation and, from there, into the overall on-site drainage area or install crushed stone or other material below roof drip line to minimize splash on siding in high snow areas. All overhangs must meet Building code and zoning restrictions.

b. Structural Insulated Panels (SIPs) in Conditioned Spaces or an Alternatives to Wood Framing Approved by the Program Administrators. Up to 8 points.

i) Application. incorporating SIP construction requires that stamped plans be submitted from a designer.

Points	Percent of structure
5	At least 50% of Exterior Walls
8	At least 50% of Exterior Walls and roof

ii) Verification. Checked during plans review and a Verification of Accountability by Responsible Party form shall be submitted, before the final inspection.

c. Other Alternatives to Wood Framing. Up to 8 points.

i) Application. exterior walls must be constructed with alternative materials. Alternative Building methods that demonstrate energy- and resource-efficient construction with less embodied energy are awarded points according to the following:

Points	Percent of structure
5	At least 50% of Exterior Walls
8	At least 50% of Exterior Walls and roof

ii) Verification. Checked during plans review and a Verification of Accountability by Responsible Party form shall be submitted, before the final inspection.

8. Sustainable Products.

a. Forest Stewardship Council (FSC) Certified. Up to 6 points.

Points	Number of board feet (BF) of FSC lumber per square feet (SF) of floor area
2	2 BF per SF of floor area (2BF/SF)
4	3 BF per SF of floor area (3 BF/SF)
6	50% or more of dimensional lumber in total BF is FSC, excluding engineered wood products

b. Environmentally Preferred, Low Emission, and Local Materials. Up to 10 points from Chart A.

i) Application. For each assembly, all product specification type requirements shall be met in order to receive the points available. Environmentally preferred and low emission qualifying products have more than one of these attributes: recycled content, reclaimed, bio-based, agricultural residue, rapidly renewable, and low or no volatile organic compounds (VOCs) emissions. A "recycled content" product must contain a minimum of 25 percent post-consumer recycled content except as noted otherwise above. Post-industrial (pre-consumer) recycled content is counted at half the rate of post-consumer content. Except as otherwise noted in Chart A, 90 percent of the component, by weight or volume, must meet the specification shown. Locally sourced materials are products that are manufactured within 500 miles of the city are considered local.

Chart A: Environmentally Preferable Products/Locally Sourced Materials

Assembly	Component	Product Specification Types			Points Available
		EPP Specifications	Emission Specifications	Local	
Exterior Wall	Framing	Forest Stewardship Council (FSC) Certified		X	1
Exterior Wall	Framing	Finger-jointed studs (vertical use only for structural components)		X	1
Exterior Wall	Siding or masonry	Recycled content or Forest Stewardship Council (FSC) Certified		X	1
Floor	Flooring	90% of home	NO carpet in home		1
Floor	Framing	Forest Stewardship Council (FSC) Certified		X	1
Foundation	Cement	Fly ash or slag as replacement for, not Addition to, cement content (min. 20%)		X	1
Interior Wall	Framing	Forest Stewardship Council (FSC) Certified		X	1
Interior Wall	Framing	Finger-Jointed, (vertical use only for structural		X	1

		components)			
Interior Walls AND ceilings	Gypsum board	Recycled content		X	1
Interior Walls AND millwork	Paint		Comply with Green Seal Standard GS-11, Paints, First Edition, May 20, 1993 (0.5 points) 48 hour pre-occupancy flush (0.5 points)		0.5
Interior Walls AND millwork	Wood finishes		VOC concentrations of 150 gpl or less		0.5
Landscape	Decking or patio material	Recycled content or Forest Stewardship Council (FSC) Certified		X	1
Other	Cabinets	Recovered, recycled content, or Forest Stewardship Council (FSC) Certified	Wood and/or agrifiber products with no added urea-formaldehyde resins	X	1.5
Other	Counters	Recycled content	Wood and/or agrifiber products with no added urea-formaldehyde resins		1
Other	Doors (not incl. garage)	Recycled content or Forest Stewardship	Wood and/or agrifiber products with no added urea-	X	1.5

		Council (FSC) Certified	formaldehyde resins		
Other	Trim	Recovered, recycled content, or Forest Stewardship Council (FSC) Certified	Wood and/or agrifiber products with no added urea-formaldehyde resins	X	1.5
Other	Adhesives and sealants		VOC concentrations of 70 gpl or less		0.5
Other	Windows	Recycled content or Forest Stewardship Council (FSC) Certified		X	1
Roof	Framing	Forest Stewardship Council (FSC) Certified		X	1
Roof	Roofing	Recycled content or vegetated (min. 200 sf)		X	1
Roof AND floor AND wall	Insulation	Recycled content (min 20%)		X	1
Roof, floor, wall (2 of 3)	Sheathing	Recycled content or Forest Stewardship Council (FSC) Certified		X	1

9. Indoor Air Quality.

a. ENERGY STAR's Indoor airPLUS (IAP) Requirements. 5 points.

i) Application. Only New Construction that obtains ENERGY STAR is eligible for this label. For this point option, all of the requirements of ENERGY STAR IAP must be met.

ii) Verification. An ENERGY STAR Home Performance Specialist must perform a visual inspection of installed measure(s) and relevant documents/test results, to affirm compliance or submit an IAP certificate prior to final inspection.

b. Mechanical Ventilation. Up to 5 points.

ii) Application. Energy Recovery Ventilators must be integrated into the HVAC system. points are awarded for providing mechanical ventilation according to the following table:

Points	Type of fan and location
1	Kitchen exhaust fan (minimum 100 cfm)
1	Bath exhaust fan with timer or Humidistat controls (minimum 50 cfm)
1	Ventilation integrated into the HVAC system
2	Energy Recovery Ventilation System

ii) Verification. Checked during mechanical inspection. The state mechanical inspector shall complete a Verification of Accountability by Responsible Party form, which shall be submitted, before the final inspection.

c. High-Efficiency HVAC Filter.

i) Filters with MERV ratings of 6 to 10. 1 point.

(1) Application. Any MERV with a rating from 6 to 10.

Filters with a MERV rating of higher than 10 may be used only if the HVAC fan system is specifically designed for it.

d. Attached Garage Exhaust Fan. 1 point.

i) Application. Install an exhaust fan on the opposite wall from the door to the house. It shall be wired to an electric garage door to run after the door has been opened or closed or put on a timer.

10. Homeowner Information - Operations and Maintenance Binder. 3 points.

a. Application. The builder shall provide a binder to be left in the dwelling for future occupants that includes the following three items:

i) The points checklist

ii) HERS Index score certificate

iii) The equipment manufacturers' installation manuals, except for manuals required to be affixed to the equipment, for all installed equipment, fixtures, and appliances

b. Verification. Submitted to the Program Administrators for review and inspected during final inspection.

11. Design Process and Innovation.

a. Green Building Consultants. 1 point.

i) Application. Use services provided by a consultant(s) certified through, Green Advantage, LEED AP, Certified Sustainable Building Advisor, or similar certification Approved by the Program Administrators during the design and construction process.

ii) Verification. A green building consultant must sign the Verification of Accountability by Responsible Party form and provide proof of certification or accreditation during Building plans submittal.

b. ENERGY STAR Builder. 1 point

i) Application. Applies to New Construction Only. The general contractor must be an ENERGY STAR Builder.

ii) Verification. The builder must sign the Verification of

Accountability by Responsible Party form and the builder's name must be listed on ENERGY STAR's web site.

c. Innovation Points. 3 points.

i) Application. Minimize the environmental impact of the house by incorporating green design and construction measures that have tangible and demonstrable benefits beyond those outlined in the points program. Suggested innovations include: exceptional performance (e.g., zero energy, carbon neutral); innovative design strategies; or emerging technologies, materials, or construction practices. The applicant MUST prepare a written submittal that includes:

- (1) The intent of the innovation measure(s)
- (2) The proposed requirement for compliance
- (3) The proposed documentation to demonstrate compliance
- (4) A description and an estimate of the benefit/impact

provided by the proposed measure

ii) The above information must document how such an approach will minimize the impacts of the Building in a tangible and demonstrable way beyond the methods outlined in the Build Better Point Menu. The product, design, or technology must comply with existing city codes and standards.

iii) Verification. Applicant must provide the above documentation in writing and any other supporting documentation, such as an evaluation report or specifications to quantify performance. This information is submitted with Building Permit plans and will be awarded during city staff's evaluation and determination of measures proposed.

Section 2. Section 15.08.030 of the Hailey Municipal Code is amended by the addition of the underlined language, as follows:

15.08.030 Additional requirements. The following regulations shall apply in addition to those contained in the adopted codes and standards.

A. Manufactured Homes. The city of Hailey adopts by reference the "Idaho Manufactured Home Installation Standard" as published by the state of Idaho, September, 1999, compiled jointly by the Manufactured Housing Industry, as may be modified and adopted by the state of Idaho. Said "Standard" shall be known as the "Manufactured Housing Code."

B. Special Natural Hazard. Understanding that certain natural hazards exist in the jurisdiction including, but not limited to avalanche areas, earthquake, floodplain, snow loads, wildfires and soil qualities, site specific surveys and related engineering may be required as deemed appropriate by the authority of the jurisdiction.

C. Plumbing and Electrical Inspections Prerequisite. The framing inspection by the city of Hailey Building department shall not be conducted until the applicant has obtained a rough plumbing and electrical inspection from the Idaho State Plumbing and Electrical Inspectors. The final inspection shall not be conducted until the applicant has obtained a final plumbing and electrical inspection.

D. Salvaged Building Materials. The use of salvaged Building materials may be Approved by the Building Official upon receipt of a complete list of those materials accompanied with written approval of such materials by an Idaho Licensed Structural Engineer. Said materials shall be capable of meeting design criteria for the proposed project.

E. Insulation of Stem Wall. In reference to residential construction, perimeter stem wall insulation practices shall be considered as equal and equivalent insulation criteria when considering thermal Building envelope efficiencies using energy code thermal design parameters.

F. Increased energy efficiency and sustainable Building practices. An increase in energy efficiency by 10% above the IECC and other sustainable Building practices and materials shall be followed, as specified by Section 15.08.012. Build Better Program, provided the activity is not listed as an exception in Section 101.4.3 of the IECC or an exemption in Section 15.08.012. A. 3. 4., or 5.

Section 3. Severability Clause. If any section, paragraph, sentence or provision hereof or the application thereof to any particular circumstances shall ever be held invalid or unenforceable, such holding shall not affect the remainder hereof, which shall continue in full force and effect and applicable to all circumstances to which it may validly apply.

Section 4. Repealer Clause. All ordinances and parts of ordinances in conflict herewith are hereby repealed.

Section 5. Effective Date. This Ordinance shall be in full force and effect after its passage, approval and publication according to law.

ADOPTED BY THE HAILEY CITY COUNCIL AND APPROVED BY THE MAYOR
this _____ day of December, 2013.

Fritz H. Haemmerle
Mayor, City of Hailey

ATTEST:

Mary Cone, City Clerk (Seal)

AGENDA ITEM SUMMARY

DATE: 12/17/2012

DEPARTMENT: CDD

DEPT. HEAD SIGNATURE: MA

SUBJECT: Adopt proposed Amendments to Title 15, "Buildings and Construction" as Ordinance No. _____ and proceed with three readings of the ordinance

AUTHORITY: ID Code 39-4116 IAR _____ City Ordinance/Code Title 15
(IF APPLICABLE)

BACKGROUND/SUMMARY OF ALTERNATIVES CONSIDERED:

Update from 11-19-2012 City Council Meeting

Following the 11-19-2012 meeting of the City Council, staff worked with the City Attorney in drafting the proposed ordinance to make the changes as recommended below. During this process, staff discovered that the Building Ordinance, Title 15, was outdated and inaccurate in several places. For example, the majority of references to the IRC and IBC were inaccurate and inconsistent throughout Title 15. This amendment cleans up and corrects those inaccuracies and rewrites the ordinance to avoid these issues in the future.

The proposed ordinance corrects these non-material inaccuracies and makes the following changes with explanations:

Proposed Amendments:

Alternative Energy Review Fee (15.08.020 E)

- Amend Title 15 to allow for a flat fee of \$75 per Alternative Energy System application.
- Any additional inspections beyond the initial inspection will be \$50

Building Permit Term of Validity (15.08.020 B)

- Insert language stating that a Building Permit becomes null and void if there has been no activity (defined by no inspections) during a period of 180 days.

Final Inspection Fee Deposit (15.08.020 E)

- Waive the Final Inspection Fee Deposit

Window Replacement Fees (15.08.020 E, Similar to Alt. Energy Review changes above)

- Amend Title 15 to allow for a flat fee of \$75 per windows inspection
- Any additional inspections beyond the initial inspection will be \$50

Build Better Program (BBP) (15.08.012)

- NOTE : Amendments to the Building Ordinance addressing the Building Better Program will be addressed in a separate ordinance and as a separate public hearing.

FISCAL IMPACT / PROJECT FINANCIAL ANALYSIS:

There may be a slight reduction in building permit fees based on the windows and alternative energy system reviews.

ACKNOWLEDGEMENT BY OTHER AFFECTED CITY DEPARTMENTS: (IF APPLICABLE)

<input checked="" type="checkbox"/>	City Administrator	<input type="checkbox"/>	Library	<input type="checkbox"/>	Benefits Committee
<input checked="" type="checkbox"/>	City Attorney	<input type="checkbox"/>	Mayor	<input type="checkbox"/>	Streets
<input type="checkbox"/>	City Clerk	<input checked="" type="checkbox"/>	Planning	<input type="checkbox"/>	Treasurer
<input checked="" type="checkbox"/>	Building	<input type="checkbox"/>	Police	<input checked="" type="checkbox"/>	Sustainability
<input type="checkbox"/>	Engineer	<input type="checkbox"/>	Public Works,	<input type="checkbox"/>	_____
<input type="checkbox"/>	Fire Dept.	<input type="checkbox"/>	Parks	<input type="checkbox"/>	_____
		<input checked="" type="checkbox"/>	P & Z Commission		

RECOMMENDATION FROM APPLICABLE DEPARTMENT HEAD:

Motion to approve the proposed amendments to Hailey Municipal Code Title 15, the Building Code, and adopt Ordinance No _____ and authorize the mayor to conduct the first reading by title only.

ACTION OF THE CITY COUNCIL:

Date : _____
City Clerk _____

FOLLOW-UP:

*Ord./Res./Agrmt./Order Originals: Record *Additional/Exceptional Originals to:

Copies (all info.): _____ Copies (AIS only)
Instrument # _____

STAFF REPORT

TO: Mayor Haemmerle and the Hailey City Council
FROM: Micah Austin, Community Development Director
RE: Hailey Municipal Code Amendment to Title 15, the Building Code.
HEARING: December 17, 2012

Notice

Notice for the public hearing was published in the Idaho Mountain Express on November 28, 2012

Proposal

A text amendment to Title 15, the Building Code, to add an Alternative Energy Review Fee, a Window Inspection Fee, change the terms of permit validity, eliminate the final inspection fee deposit, and make several housekeeping changes where inaccuracies occur between our code and the IRC and IBC.

Procedural History

The public hearing for December 17 was published in the Mt. Express on November 28. If the Council chooses to proceed with adoption, the following schedule will be observed:

- 1st Reading: December 17
- 2nd Reading: January 7, 2013
- 3rd Reading: January 21, 2013

Department Comments

Following the 11-19-2012 meeting of the City Council, staff worked with the City Attorney in drafting the proposed ordinance to make the changes as recommended below. During this process, staff discovered that the Building Ordinance, Title 15, was outdated and inaccurate in several places. For example, the majority of references to the IRC and IBC were inaccurate and inconsistent throughout Title 15. This amendment cleans up and corrects those inaccuracies and rewrites the ordinance to avoid these issues in the future.

The proposed ordinance corrects these non-material inaccuracies and makes the following changes with explanations:

Proposed Amendments and Explanations:

Alternative Energy Review Fee (15.08.020 E)

- Recommendation: Amend Title 15 to allow for a flat fee of \$50 per Alternative Energy System application.
- Any additional inspections beyond one initial inspection will be \$50
- Our current fee assessment is based on the total value of the project, rather than the time required for the inspection.
- Both Wayne Orvik, our past Building Official, and Cedric Knehans (DBS) have recommended this change to the ordinance because the amount of staff time required for the inspection of an Alternative Energy System is identical, regardless of the cost of the system.
- The objective of this amendment is to equitably assess the inspection/review fee for an alternative energy system and to incentivize any businesses or homeowners to invest in an alternative energy system by reducing the building permit fees.

Building Permit Term of Validity (15.08.020 B)

- Recommendation: Insert language stating that a Building Permit becomes null and void if there has been no activity (defined by no inspections) during a period of 180 days.
- Currently, our ordinance states that a permit becomes null and void after 548 days.
- This revision is consistent with the International Building Code's requirements
- The objective is to keep projects progressing and to prevent having unfinished projects remain unsightly eyesores in neighborhoods for several months or years.

Final Inspection Fee Deposit (15.08.020 E)

- Recommendation: Waive the Final Inspection Fee Deposit
- We currently hold a deposit of 25% of the total Building Permit Fee and Plan Review Fee. This deposit is release after the final inspection is completed.
- Objective: According to our recommendation above, with the Building Permit expiring after 180 day of inactivity, the need for a Final Inspection Fee Deposit is not necessary
- If implemented, staff plans to evaluate this in 12 months to determine whether waiving the fee has achieved our desired objectives.

Window Replacement Fees (15.08.020 E, Similar to Alt. Energy Review changes above)

- Recommendation: Amend Title 15 to allow for a flat fee of \$75 per windows inspection
- Any additional inspections beyond the initial inspection will be \$50
- Our current fee assessment is based on the total value of the project, rather than the time required for the inspection.
- Both Wayne Orvik, our past Building Official, and Cedric Knehans (DBS) have recommended this change to the ordinance because the amount of staff time required for the inspection of a window installation is identical, regardless of the cost of the window.
- The objective of this amendment is to equitably assess the inspection/review fee for a window and to incentivize any businesses or homeowners to invest in the most energy efficient, highest quality windows possible.

Motion Language

Approval:

Council

Motion to approve the proposed amendments to Hailey Municipal Code Title 15, the Building Code, and adopt Ordinance _____ and authorize the mayor to conduct the first reading by title only.

Denial:

Council

Motion to deny the proposed amendments to Title 15, the Building Code, finding that _____ [the Council should cite which standards are not met and provided the reason why each identified standard is not met].

Continuation:

Motion to continue the public hearing upon the proposed amendment to Title 15, the Building Code, to _____ [the Commission should specify a date].

Table:

Motion to table the proposed amendment to Title 15.

HAILEY ORDINANCE NO. _____

AN ORDINANCE OF THE CITY OF HAILEY, IDAHO, AMENDING SECTION 15.08.010 OF THE HAILEY MUNICIPAL CODE, TO REFER TO ADOPTED BUILDING AND ENERGY CODES; AMENDING SECTION 15.08.020 OF THE HAILEY MUNICIPAL CODE, TO PROVIDE A FLAT FEE FOR ALTERNATIVE ENERGY SYSTEMS AND WINDOW REPLACEMENT APPLICATIONS, TO WAIVE THE FINAL INSPECTION FEE AND TO GENERALLY REFER TO ADOPTED BUILDING AND ENERGY CODES; PROVIDING FOR A SEVERABILITY CLAUSE; PROVIDING FOR A REPEALER CLAUSE; AND PROVIDING FOR THE EFFECTIVE DATE OF THIS ORDINANCE.

WHEREAS, the City of Hailey has established fees for certain applications under the International Building Code and International Residential Code;

WHEREAS, the City of Hailey wishes to update certain fees under the International Building Code and International Residential Code to eliminate fees which are based on value of improvements and to establish fees based on actual time devoted to enforce regulations by adopting flat fees for alternative energy system and window replacement applications and by waiving the final inspection fee; and

WHEREAS, the City of Hailey wishes to generally refer to the adopted International Building Code, International Residential Code and International Energy Conservation Code.

NOW, THEREFORE, BE IT ORDAINED BY THE MAYOR AND CITY COUNCIL OF THE CITY OF HAILEY, IDAHO, AS FOLLOWS:

Section 1. Section 15.08.010 of the Hailey Municipal Code is hereby amended by the deletion of the stricken language and by the addition of the underlined language, as follows:

15.08.010 Adoption of Codes. Pursuant to Idaho Code Section 39-4116(1), the following codes published by the International Code Council are adopted by reference:

A. 2009 International Building Code (“2009 IBC”), including all rules promulgated by the Idaho Building Code Board to provide equivalency with the provisions of the Americans with Disabilities Act accessibility guidelines and the Federal Fair Housing Act accessibility guidelines; and including Appendix E: Supplemental Accessibility Requirements;

B. 2009 International Residential Code (“2009 IRC”), parts I-IV and IX including Appendix F: Radon Control Methods;

C. 2009 International Energy Conservation Code (“2009-IECC”);

- D. 1997 Uniform Code for the Abatement of Dangerous Buildings;
- E. 1997 Uniform Building Code (“97 UBC”) Volume 3, Material, Testing and Installation Standards; and
- F. 1997 Uniform Building Code, Volume 1, Table 1-A, Building Permit Fees.

Section 2. Section 15.08.020 of the Hailey Municipal Code is hereby amended by the deletion of the stricken language and the addition of the underlined language, as follows:

15.08.020 Amendment of Codes. Pursuant to Idaho Code Section 39-4116(3), the following codes adopted pursuant to Section 15.08.010 herein or provisions thereof are added to, amended, altered and/or modified as follows:

A. Required Permits. Required building permit applications shall be made on forms furnished by the city of Hailey, and approval shall be in accordance with Section ~~105~~ R105.1 of the ~~2006~~ IRC and Section ~~105~~ 3410 of ~~2006~~ IBC.

1. Excavation. Section 105.1 of the ~~2006~~ IRC and ~~2006~~ IBC require a permit from the building official for the start of construction. For the purposes of this section, the start of construction is defined as the excavation or trenching for the installation of forms for footings, or where no forms are used, start of construction is excavation or trenching.

2. Moved Structures. The ~~2006~~ IRC is amended to add the following Section ~~105.1~~ R105.3.3 and the ~~2006~~ IBC is amended to add the following ~~105.1.3~~ 105.3.3: Moved Structures. Applications for permits for moved structures shall include but are not limited to the following information provided by an Idaho licensed structural engineer: appropriate foundation designed to meet the City of Hailey structural forces: proof that existing headers of the largest window and/or garage door opening is structurally adequate; where practical, an analysis of the existing roof system including trusses or rafters and roof sheathing materials, wall and floor systems for conformity to structural forces criteria for the new occupancy and new location.

3. Manufactured Homes. The ~~2006~~ IRC is amended to add the following Section R105.1.2 and the ~~2006~~ IBC is amended to add the following ~~105.1.4~~: Manufactured Homes. Permits are required for manufactured homes pursuant to this code.

4. Demolition Permits. The ~~2006~~ IRC is amended to add the following Section R105.1.3 and the ~~2006~~-IBC is amended to add the following ~~105.1.35~~.

a. General Requirements. Demolition shall include moving a structure from one site to another and destruction/demolition of a structure for disposal. Permit applications shall be provided by the City of Hailey and shall include owner, address, property descriptions, phone number, description of the scope of the demolition and a time frame. The person or entity submitting an application for a demolition permit for a Historic Structure must be the owner of record or the authorized agent of the owner(s). Acknowledgement of the demolition by utility companies serving the property, the Blaine County Assessor’s office and the jurisdiction’s Building Official if other than the City of Hailey shall be required. Permits shall be valid for 90 days.

b. Historic Structures. Prior to issuance of a “Demolition” permit for buildings and structures built wholly or in part prior to 1941 (“Historic Structure”), regardless whether the Historic Structure was constructed on or relocated to the property, the Hailey Building Official shall submit the application to the Hailey Planning Department, Hailey Fire Department and Hailey Historic Preservation Commission. The applicant shall demonstrate the age of a building or structure by reliable records, including but not limited to records of the Blaine County Assessor.

1. A one hundred twenty (120) day review period shall run from the date of transmittal of copies of the application to the departments, agencies, commissions and organizations. The date of transmittal shall be documented in the application file and shall commence the comment period. Within seven (7) calendar days of the Building Official certifying that the application is complete, the Building Official shall, at the applicant’s expense, publish a Notice of Intent to Demolish a Historic Structure in the official newspaper of the City of Hailey, post on the subject property a Notice of Intent to Demolish a Historic Structure, and mail Notice of Intent to Demolish a Historic Structure to property owners within three hundred (300) feet of the subject property.

2. During the review period, the city, the Hailey Historic Preservation Commission or any other commission, organization or individual may negotiate with the owner and with any other parties in an effort to find a means of preserving the structure or building for the acquisition by gift, purchase, or exchange of the property or any interest therein.

3. The one hundred twenty (120) day review period may be reduced if the Building Official or his/her designee finds that a) the owner has reasonably demonstrated that rehabilitation of the Historic Structure would not be economically feasible, b) the Historic Structure shall be preserved by relocation of the building or structure to another appropriate site in Hailey, c) the Historic Structure is deemed a “dangerous” building as defined in Chapter 3, Section 3.02 of the 1997 Uniform Code for the Abatement of Dangerous Buildings, or d) the Hailey Historic Preservation Commission has recommended the one hundred twenty (120) day review period be reduced because the Historic Structure does not maintain the historic architectural qualities, historic associations or archeological values of other Historic Structures within Hailey.

4. At the end of the review period, if the application for a “Demolition” permit has not been withdrawn, the Building Official shall process the application according to the 2006 IBC and the municipal code. Any demolition permit for Historic Structure shall be conditioned so that prior to demolition, the applicant shall provide the Hailey Historic Preservation Commission with all available historic information about the Historic Structure, including a) color photographs measuring at least four inches (4”) by six inches (6”) of at least two (2) elevations of the building at the time of permit submittal (if the building faces one or more public streets, the two (2) elevations shall be of the street facing sides), b) height, square footage, and current use of building, and c) historical photograph, black and white or color, of the building, if feasible.

c. Revegetation. Following demolition of a building or structure, any foundation and basement and all debris shall be removed, clean fill shall be

placed in any excavated portion of the property, the grade of the property shall be leveled, and the property shall be planted or re-seeded with drought resistant grasses and/or shrubs that are as minimally as possible irrigated to ensure successful revegetation within one (1) month of the permitted work. The revegetation shall include noxious weed abatement and continued maintenance until new construction commences

B. Permit Expiration. Section 105.5 of the 2006 IBC is deleted in its entirety and replaced by the following:

105.5 Expiration. Except as otherwise provided herein, every permit issued by the Building Official under the provisions of this code shall expire and become null and void if the building or work authorized by such permit is not completed within 548 days after its issuance. Permits that expire under this provision may be extended for a period not to exceed 180 days by an application for extension filed with the City Council by the permittee 30 days prior to permit expiration. A permit is considered null and void if inspections have not been completed for a period of 180 days. An application fee of \$75.00 must be paid at the time of filing for an extension of the building permit.

C. Submittal Documents. Sections 1076.1 of the 2006 IBC and 2006 IRC is are deleted in its their entirety and replaced by the following:

IBC Section 1076.1 and IRC R106.1 Submittal documents. Construction documents, special inspection and structural observation programs, and other data shall be submitted in two or more sets with each application for permit. The construction documents shall be prepared by a registered design professional where required by the statutes of the jurisdiction in which the project is to be constructed. Where special conditions exist, the building official is authorized to require additional construction documents to be prepared by a registered design professional. Said design professional shall be an Idaho State Licensed Architect and/or Idaho State Licensed Structural Engineer.

D. Deferred Submittal. Section 1076.3.4.2 of the 2006 IBC shall be amended by the addition of the following language at the end of Section 1076.3.4.2:

Section 1076.3.4.2... Furthermore, the deferred submittal may be charged a plan review fee in addition to any and all other related building permit fees in the amount of 100% of the first plan review related to that building permit, except when manufactured trusses are used in an R3 and/or U occupancy, truss specification may be submitted when available from the approved manufacturer without deferred submittal plan check fee.

E. Fees, Deposits and Refunds. For buildings, structures and other improvements requiring a building or other permit under this chapter, fees, deposits and refunds shall be paid to the city of Hailey as specified herein.

1. Building Permit Fee. Fees shall be charged utilizing Table 1-A of the 97 UBC, published by the International Conference of Building Officials (ICBO). Building valuation shall be factored at one hundred twenty dollars (\$120.00) per square

foot. For new construction or substantial remodels, an application fee of \$500 shall be made at the time the building permit application is submitted to the city. Said fee shall be credited to the total amount of the building permit fee, but shall be forfeited if the building permit is not obtained by the applicant within 180 days of permit approval. Except as otherwise provided for herein, the remainder of the building permit fee and the deposit for final inspection shall be collected when the building permit is issued. At the election of the applicant, payment of the remainder of the building permit fee for a Building built according to the Build Better Program ~~during the introductory period (which shall expire January 1, 2013)~~, or an Energy Star certified single family residence may be deferred to the date of the issuance of a certificate of occupancy. For the purpose of Section 15.08.020(E), an Energy Star certified single family residence shall mean a single family residence certified as an Energy Star project in accordance with the Northwest Energy Star Program, as amended. The Building built to the Build Better Program shall mean a Building that meets the specifications outlined in Section 15.08.012.

a. New residential construction, excluding additions and alterations, shall receive a 50% reduction in building permit fees when built in accordance with the Build Better Program.

2. Plan Review Fee. Building Department review will be 65% of the building permit fee. Except as otherwise provided for herein, the plan review fee shall be collected when the building permit is issued. At the election of the applicant, payment of the plan review fee for an Energy Star certified single family residence or a Building Built to the Build Better Program specifications may be deferred to the date of the issuance of a certificate of occupancy.

a. The plan review fee for new residential construction, excluding additions and alterations, built in accordance with the Build Better Program, shall receive a 50% reduction. By way of example, if a building permit fee is \$1000 according to Table 1-A of the 1997 UBC, the plan review fee for new residential construction built in accordance with the Build Better Program shall be \$325 ($\$1000 \times 0.65 \times 0.5$).

3. Fire Review Fee. Fire Department review for commercial or multi-family projects shall be 35% of the building plan review fee. Except as otherwise provided for herein, the fire review fee shall be collected when the building permit is issued. At the election of the applicant, payment of the fire review fee of an Energy Star certified single family residence or a Building built to the Build Better Program specifications may be deferred to the date of the issuance of a certificate of occupancy.

4. Deferred Submittal Fee. An additional 100% of the original plan review fee may be charged for all deferred submittals, ~~as set forth in Section 106.3.4.2 of the 2003 IBC, as amended by this chapter.~~

5. Moved Structure Fee. Moved structures will be calculated by using the estimated cost of the move applied to Table 1-A of the 97 UBC.

6. Manufactured Homes Fee. Fees shall be based on the on-site elements constructed, not the home itself.

7. Demolition Fee. Fee shall be \$75 and shall be due at the time the application is submitted to the city.

8. Re-roof Fee. Fee shall be calculated using Table 1-A of the 97 UBC. Valuation shall be based on scope of the work and materials.

9. Fence Fee. Fee will be \$30 and be paid when the application is submitted.

10. Shed Fee. Permits must be obtained for all sheds exceeding 120 square feet. Fees shall be based on Table 1-A of the 97 UBC.

11. ~~Deposit for Final Inspection. In addition to the building permit fees as stated above, a deposit shall be collected when the building permit is issued, to ensure final inspection. A deposit shall be 25% of the total building permit fee or \$100, whichever is greater.~~ Alternative Energy Review Fee. Fee shall be \$75 per Alternative Energy System application and shall be due at the time the application is submitted to the city.

12. Window Replacement Fee. Fee shall be \$75 per window replacement application and shall be due at the time the application is submitted to the city. ~~Any additional inspections beyond the initial inspection shall be \$50.~~

F. ~~108.12~~ Fee Refunds. ~~Section 108.12 109.6 of the IBC is deleted in its entirety and replaced as follows:~~ The Building Official may authorize refunding of any fee paid hereunder which was erroneously paid or collected. The Building Official may authorize refunding of one hundred percent (100%) of the permit fee paid when no work has been done under a permit issued in accordance with this code. The Building Official may authorize refunding of not more than one hundred percent (100%) of the plan review fee paid when an application for a permit for which a plan review fee has been paid is withdrawn or canceled before any plan reviewing is done. The Building Official shall not authorize refunding of any fee paid except on written application filed by the original permittee not later than one hundred eighty (180) days after the date of fee payment.

G. Required Inspections. Section ~~109~~ 110 of the 2006 IBC shall be amended by the addition of a new section ~~109~~ 110.3.8.1, as follows:

Section ~~109~~ 110.3.8.1 Manufactured Homes: Inspections are required for manufactured homes placed in the City of Hailey.

H. Board of Appeals. Section ~~1132~~ of the 2006 IBC and 2006-IRC shall be amended by the addition of a new section ~~1132~~ 3.1, as follows:

Section ~~1132~~ 3.1 Board Membership: The Mayor and the Hailey City Council will appoint a three (3) person Board to stand as the Board of Appeals, as needed, with membership to be selected from but not limited to the following list of professionals in the various fields of expertise in the building industry:

- Blaine County, Idaho Building Official;
- The City of Ketchum, Idaho Building Official
- The City of Hailey Fire Chief;
- General Contractor associated with the Building Contractors Association of the Wood River Valley;

- A licensed Idaho Architect; and,
- A licensed Idaho Structural Engineer.

I. Start of Construction. Section 202 and Section 1612.2 of the 2006 IBC shall be amended, to add the following definition:

Start of Construction: The excavation or trenching for the installation of forms for footings. Where no forms are used, it is excavation or trenching.

J. Height, Building. Section 502.1 of the 2006 IBC shall be amended by deleting the definition of "Height, Building" in its entirety and replacing it with the definition of building height contained in Chapter 2 of the Hailey Zoning Ordinance, as amended, follows:

~~Height of Building: The greatest vertical distance measured from the lowest point of record grade within any portion of the building footprint to the highest point of the roof surface thereof, exclusive of cupolas, chimneys up to ten (10) feet above the highest point of the roof surface, steeples, and spires.~~

K. Fire-Resistance Rating Requirements. Table 602 of the 2006 IBC shall be amended as follows:

1. All walls of buildings that are closer than five (5) feet to a property line shall be constructed of four (4) hour firewall materials including a parapet wall as defined in the International Building Code.

Exception: Walls may be constructed of two hour firewall materials if an approved, monitored sprinkler system is installed within the building.

2. Walls that run parallel to a public way, street or alley, as those terms are defined in the 2006 IBC, when said public way, street or alley is greater than twenty (20) feet wide, shall be constructed specifically in accordance with the 2006 IBC. Walls described in this Subsection 2 shall not be subject to the requirements of Subsection 1.

3. There shall be no openings or penetrations allowed in the required firewalls of buildings that are closer than five (5) feet to a property line.

4. The requirements as stated in Subsections 1, 2 and 3 above shall apply to all zones and all types of building construction in the city of Hailey except General Residential and Limited Residential Zones 1 and 2.

L. Live Snow Load Requirements. Section 1603.1.3 of the 2006 IBC shall be amended by adding a new subsection 1603.1.3.1 as follows:

Section 1603.1.3.1 All roofs shall sustain within the stress limitations of this Code, all "dead loads" plus unit "snow loads" of at least one hundred (100) pounds per square foot. The snow loads shall be assumed to act vertically upon the area projected upon a horizontal plane.

M. Live Load Requirements for Balconies or Second Floor Decks: Table 1607.1 of the 2006 IBC, Item 5 pertaining to balconies, shall be amended to show a 100 p.s.f. snow load for all balconies and decks regardless of occupancy or size.

N. Seismic Resisting System. Section R301.2.2.3 of the 2006 IRC is amended by the addition of the following subsection R301.2.2.3.4, as follows:

R301.2.2.3.4 Engineering design for seismic resisting system. All structures including detached one and two family structures in Seismic Design Category C or greater shall have a lateral force resisting system designed in accordance with accepted engineering practice by the Engineer of Record. The effective seismic weight for such buildings shall include 35% of the flat roof uniform design snow load.

O. Snow Loads. Section R301.2.3 of the 2006 IRC shall be amended by the deletion of Section 301.2.3 in its entirety and replaced with the following language:

Section R301.2.3 Snow loads. All roofs shall sustain within the stresses limitations of this Code, all "dead loads" plus unit "snow loads" of at least one hundred (100) pounds per square foot. The snow loads shall be assumed to act vertically upon the area projected upon a horizontal plane.

P. 2009 International Energy Conservation Code. The IECC shall be amended as follows:

1. 2009-IECC Chapter 4, Residential Energy Efficiency.
 - a. Section 401.2 Compliance. Projects shall comply with Sections 401, 402.4, and 403.1, 403.2.2, 403.2.3, and 403.3 through 403.9 (referred to as mandatory provisions), and Section 405 (performance)
 - b. Sections 402.1 through 402.3, 403.2.1 and 404.1, shall be deleted.
 - c. Section 402.4.2 Air Sealing and Insulation. Building envelope air tightness and insulation installation shall be demonstrated to comply by Section 402.4.2.1, Testing Option.
 - d. Section 402.4.2.2, Visual Inspection Option, shall be deleted.
 - e. Section 405, Simulated Performance Alternative (Performance). This section shall be met using Residential Energy Services Network's (RESNET) Home Energy Rating System (HERS) by developing a simulated model of the proposed design and comparing it to the 2009 IECC standard reference design using a REM/RATE™ ENERGY ANALYSIS.
2. 2009 IECC Chapter 5, Commercial Energy Efficiency.
 - a. Section 501.2, Application. The Commercial Building project shall comply with the requirements of Section 506, provided Sections 502.4, 503.2, 504, 505.1, 505.2, 505.3, 505.4, 505.6, and 505.7 are each satisfied.
 - b. Sections 502.1 through 502.3, 503.3, 503.4, and 505.5 shall be deleted.

c. Section 506, Total Building Performance. Buildings less than 10,000 square feet shall comply with Section 506 using a COMcheck Energy Analysis. Buildings 10,000 square feet or more shall comply with Section 506 using Building Department Approved energy modeling software, including but not limited to the most recent published version of the following: eQuest, Trace, Carrier HAP, or EnergyPlus.

3. Climate Zone: Figure 303.1(9) in the 2009 IECC represents that the city of Hailey is in climate zone 16, the most extreme climate zone in Idaho. Said figure 303.1(9) shall supersede the climate zone for the city of Hailey referenced in the 2006 IRC Table N 1101.2 for all construction.

Q. Opening Protection. Section R309.1302.5 of the 2006 IRC shall be amended by the deletion of Section 309.1 in its entirety and replaced with the following language:

R 309.1302.5.1 Opening protection. Openings from a private garage directly into a room used for sleeping purposes shall not be permitted. Other openings between the garage and the residence shall be equipped with either solid wood doors or solid or honeycomb steel doors not less than 1 3/8-inches thick, or 20-minute fire rated doors. Doors shall be self-closing and self-latching.

R. Separation Section R R309.2302.6 of the 2006 IRC shall be amended by the deletion of Section 309.2 in its entirety and replaced with the following language:

R 309.2302.6 Separation required. The garage shall be separated from the residence and its attic area by means of a minimum 5/8-inch Type X gypsum board applied to the garage side of all walls and ceilings forming part of the separation. Where the separation is a floor/ceiling assembly, the structure supporting the separation shall also be protected by not less than 5/8-inch Type X gypsum board or equivalent. Garages located less than 3-feet from a dwelling unit on the same lot shall be protected with not less than 5/8-inch Type X gypsum board applied to the interior side of exterior walls that are within this area. Openings in these walls shall be regulated by Section R309.1. This provision does not apply to garage walls that are perpendicular to the adjacent dwelling wall unit.

S. Equations. Section 1605.2.1 of the 2006 IBC is amended by deleting the equations for coefficient f_2 and replacing the coefficient f_2 as follows:

$f_2 = 0.70$ for roof configurations that do not shed snow off the structure, and
 $f_2 = 0.42$ for other roofs

T. Snow Loads. Exception 2 of Section 1605.3.1 of the 2006 IBC is amended by deleting Exception 2 and replacing Exception 2 as follows:

2. Flat roof snow loads of 30 psf (1.44kN/m²) or less need not be combined with seismic loads. Where flat roof snow loads exceed 30 psf (1.44kN/m²), thirty five percent (35%) shall be combined with seismic loads.

U. Snow Loads. Exception 2 of Section 1605.3.2 of the 2006 IBC is amended by deleting Exception 2 and replacing Exception 2 as follows:

3. Flat roof snow loads of 30 psf (1.44kN/m²) or less need not be combined with seismic loads. Where flat roof snow loads exceed 30 psf (1.44kN/m²), thirty five percent (35%) shall be combined with seismic loads.

V. Snow Loads. Section 1608.02 of the 2006 IBC shall be amended to designate the ground snow load, p_g , for Hailey as determined on a site specific (CS) basis to be 120 psf.

W. Snow Loads. Section 1608 of the 2006 IBC is amended by the addition of a new Subsection 1608.3, as follows:

1608.3 Flat roof snow loads. The snow load, p_f in lb/ft², on a roof with a slope equal to or less than 5° shall be the greater of 100 psf or the value calculated using the following formula:

$$P_f = 0.7C_e C_t I_p p_g$$

X. Seismic Weight. Section 1613 of the 2006 IBC is amended by the addition of new Subsection 1613.78, as follows:

1613.78 Effective seismic weight. The effective seismic weight in Section 12.7.2 and Section 12.14.8.1 of the ASCE7-05 shall be amended as follows:

4. For all roofs regardless of roof slope 35% of the uniform design snow load shall be included in the effective seismic weight (W).

Section 3. Severability Clause. If any section, paragraph, sentence or provision hereof or the application thereof to any particular circumstances shall ever be held invalid or unenforceable, such holding shall not affect the remainder hereof, which shall continue in full force and effect and applicable to all circumstances to which it may validly apply.

Section 4. Repealer Clause. All Ordinances or parts thereof in conflict herewith are hereby repealed and rescinded.

Section 5. Effective Date. This Ordinance shall be in full force and effect after its passage, approval and publication according to law.

PASSED AND ADOPTED BY THE HAILEY CITY COUNCIL and approved by the Mayor this _____ day of January, 2013.

Fritz X. Haemmerle, Mayor

ATTEST:

Mary Cone, City Clerk

Publish: Idaho Mountain Express _____, 2012

AGENDA ITEM SUMMARY

DATE: 12/03/2012 DEPARTMENT: PW/Grants DEPT. HEAD SIGNATURE: HD

SUBJECT:

Woodside Boulevard Reconstruction:
• Consideration of Substantial Completion

AUTHORITY: ID Code _____ IAR _____ City Ordinance/Code _____
(IF APPLICABLE)

BACKGROUND/SUMMARY OF ALTERNATIVES CONSIDERED:

Action Item – Decision to approve or deny substantial completion as of October 20, 2012

FISCAL IMPACT / PROJECT FINANCIAL ANALYSIS

ACKNOWLEDGEMENT BY OTHER AFFECTED CITY DEPARTMENTS: (IF APPLICABLE)

X	City Administrator	<input type="checkbox"/>	Library	<input type="checkbox"/>	Benefits Committee
X	City Attorney	X	Mayor	<input type="checkbox"/>	Streets
<input type="checkbox"/>	City Clerk	<input type="checkbox"/>	Planning	X	Treasurer
<input type="checkbox"/>	Building	<input type="checkbox"/>	Police	<input type="checkbox"/>	_____
X	Engineer	X	Grants Administrator	<input type="checkbox"/>	_____
<input type="checkbox"/>	Fire Dept.	<input type="checkbox"/>	P & Z Commission	<input type="checkbox"/>	_____

RECOMMENDATION FROM APPLICABLE DEPARTMENT HEAD:

Motion to approve or deny substantial completion as of October 20, 2012 for the Woodside Boulevard Project

ACTION OF THE CITY COUNCIL:

Date _____

City Clerk _____

FOLLOW-UP:

*Ord./Res./Agrmt./Order Originals: Record
Copies (all info.): _____
Instrument # _____

*Additional/Exceptional Originals to: _____
Copies (AIS only)

Certificate of Substantial Completion

Project: Woodside Boulevard Reconstruction	
Owner: City of Hailey	Owner's Contract No.:
Contract: TDGII-C-07; DTFH61-11-G-00001	Engineer's Project No.: 83-11-020

This ~~tentative~~ **definitive** Certificate of Substantial Completion applies to:

All Work under the Contract Documents; The following specified portions of the Work:

October 20th, 2012
Date of Substantial Completion

The Work to which this Certificate applies has been inspected by authorized representatives of Owner, Contractor, and Engineer, and found to be substantially complete. The Date of Substantial Completion of the Project or portion thereof designated above is hereby declared and is also the date of commencement of applicable warranties required by the Contract Documents, except as stated below.

A ~~tentative~~ **definitive** list of items to be completed or corrected is attached hereto. This list may not be all-inclusive, and the failure to include any items on such list does not alter the responsibility of the Contractor to complete all Work in accordance with the Contract Documents.

The responsibilities between Owner and Contractor for security, operation, safety, maintenance, heat, utilities, insurance and warranties shall be as provided in the Contract Documents except as amended as follows:

Amended Responsibilities Not Amended

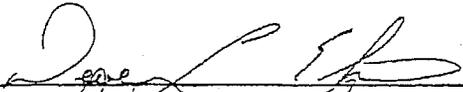
Owner's Amended Responsibilities:

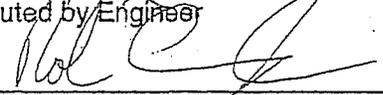
Contractor's Amended Responsibilities:

The following documents are attached to and made part of this Certificate:

Substantial Completion has been granted with the understanding
that the attached Punch-list will be completed prior to Final Completion
and acceptance.

This Certificate does not constitute an acceptance of Work not in accordance with the Contract Documents nor is it a release of Contractor's obligation to complete the Work in accordance with the Contract Documents.


Executed by Engineer _____ Date 11/2/2012


Accepted by Contractor _____ Date 11-2-12

Accepted by Owner _____ Date _____

AGENDA ITEM SUMMARY

DATE: 12/17/2012 **DEPARTMENT:** Admin **DEPT. HEAD SIGNATURE:** Becky Stokes

SUBJECT:

Woodside Boulevard Reconstruction:

- Approval of 6th Pay Request in the amount of \$875,637.01 for October 2012 work completed. Previously Council had approved this Pay Request #6 as "not to exceed \$911,178.94;" the difference of \$35,541.93 was deducted because not all certifications had been delivered to Civil Science for this pay estimate.

BACKGROUND/SUMMARY OF ALTERNATIVES CONSIDERED:

The Woodside Boulevard reconstruction Sixth pay request from the contractor, Knife River, has been received. All items have been received and the payment has been reduced.

The amount of the pay request is \$875,637.01. Of this amount, \$644,524.08 is paid for with federal funds, and includes a minor amount of earthwork, concrete, aggregates and asphalt, traffic control, and construction coordination; \$162,747.65 is city funds towards the pressure irrigation system, \$13490.95 is paid from the Capital Fund for round-a-bout (Development Impact Fees), \$10,070.95 for the final of the ITD aspect of the traffic signal and \$18,435.70 is funded by the capital fund for work related to waste water for manhole adjustments.

Documents encompassed by this Agenda Item include:

- SF270 – Request for Advance or Reimbursement (attached)
- Contractor's Application for Payment No. 6 (attached, approved by Civil Science)
- Contractor and Civil Science detailed documentation submitted as backup to Contractor's Application for Payment No. 6 (available for review at City Hall)
- Elapsed Time and Work Status Statement (available for review at City Hall)
- Certification of Prompt Subcontractor Payment (attached)
- Treasurer's Reconciliation of Contractor Pay Estimate (attached)
- Hailey Paid Invoice Report October 2012 (available for review at City Hall)
- Treasurer's backup detail on city labor for October 2012 (available for review at City Hall)

All of the documents listed will be submitted to FHWA.

RECOMMENDATION FROM APPLICABLE DEPARTMENT HEAD:

Approve Pay Request.

ACTION OF THE CITY COUNCIL:

Date _____

City Clerk _____

FOLLOW-UP:

*Ord./Res./Agmt./Order Originals:

*Additional/Exceptional Originals to: _____

Copies (all info.):

Copies

REQUEST FOR ADVANCE OR REIMBURSEMENT

(See instructions on back)

OMB APPROVAL NO. 0348-0004 PAGE 1 OF 2 PAGES

1. TYPE OF PAYMENT REQUESTED	a. "X" one or both boxes <input type="checkbox"/> ADVANCE <input checked="" type="checkbox"/> REIMBURSEMENT b. "X" the applicable box <input type="checkbox"/> FINAL <input checked="" type="checkbox"/> PARTIAL	2. BASIS OF REQUEST <input checked="" type="checkbox"/> CASH <input type="checkbox"/> ACCRUAL
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3. FEDERAL SPONSORING AGENCY AND ORGANIZATIONAL ELEMENT TO WHICH THIS REPORT IS SUBMITTED <p style="text-align: center;">FHWA</p>	4. FEDERAL GRANT OR OTHER IDENTIFYING NUMBER ASSIGNED BY FEDERAL AGENCY <p style="text-align: center;">DTFH61-11-G-00001</p>	5. PARTIAL PAYMENT REQUEST NUMBER FOR THIS REQUEST <p style="text-align: center;">6</p>
--	---	--

6. EMPLOYER IDENTIFICATION NUMBER <p style="text-align: center;">82-6000201</p>	7. RECIPIENT'S ACCOUNT NUMBER OR IDENTIFYING NUMBER	8. PERIOD COVERED BY THIS REQUEST	
		FROM (month, day, year) <p style="text-align: center;">10/01/2012</p>	TO (month, day, year) <p style="text-align: center;">10/31/2012</p>

9. RECIPIENT ORGANIZATION Name: CITY OF HAILEY Number and Street: 115 MAIN STREET S, SUITE H City, State and ZIP Code: HAILEY, ID 83333	10. PAYEE (Where check is to be sent if different than item 9) Name: Number and Street: City, State and ZIP Code:
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11. COMPUTATION OF AMOUNT OF REIMBURSEMENTS/ADVANCES REQUESTED

PROGRAMS/FUNCTIONS/ACTIVITIES	(a)	(b)	(c)	TOTAL
a. Total program outlays to date <i>(As of date)</i>	\$ 4,812,216.76	\$	\$	\$ 4,812,216.76
b. Less: Cumulative program income	0.00			0.00
c. Net program outlays (Line a minus line b)	4,812,216.76	0.00	0.00	4,812,216.76
d. Estimated net cash outlays for advance period	0.00			0.00
e. Total (Sum of lines c & d)	4,812,216.76	0.00	0.00	4,812,216.76
f. Non-Federal share of amount on line e	1,761,316.14			1,761,316.14
g. Federal share of amount on line e	3,050,900.63			3,050,900.63
h. Federal payments previously requested	2,406,376.55			2,406,376.55
i. Federal share now requested (Line g minus line h)	644,524.08	0.00	0.00	644,524.08
j. Advances required by month, when requested by Federal grantor agency for use in making prescheduled advances	1st month			0.00
	2nd month			0.00
	3rd month			0.00

12. ALTERNATE COMPUTATION FOR ADVANCES ONLY

a. Estimated Federal cash outlays that will be made during period covered by the advance	\$
b. Less: Estimated balance of Federal cash on hand as of beginning of advance period	
c. Amount requested (Line a minus line b)	\$ 0.00

CERTIFICATION

I certify that to the best of my knowledge and belief the data on the reverse are correct and that all outlays were made in accordance with the grant conditions or other agreement and that payment is due and has not been previously requested.	SIGNATURE OR AUTHORIZED CERTIFYING OFFICIAL 	DATE REQUEST SUBMITTED December 17, 2012
	TYPED OR PRINTED NAME AND TITLE Becky Stokes, City Treasurer	TELEPHONE (AREA CODE, NUMBER, EXTENSION) 208.788.4221 x28

This space for agency use

Public reporting burden for this collection of information is estimated to average 60 minutes per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to the Office of Management and Budget, Paperwork Reduction Project (0348-0004), Washington, DC 20503.

PLEASE DO NOT RETURN YOUR COMPLETED FORM TO THE OFFICE OF MANAGEMENT AND BUDGET. SEND IT TO THE ADDRESS PROVIDED BY THE SPONSORING AGENCY.

INSTRUCTIONS

Please type or print legibly. Items 1, 3, 5, 9, 10, 11e, 11f, 11g, 11i, 12 and 13 are self-explanatory; specific instructions for other items are as follows:

<u>Item</u>	<u>Entry</u>	<u>Item</u>	<u>Entry</u>
2	Indicate whether request is prepared on cash or accrued expenditure basis. All requests for advances shall be prepared on a cash basis.		activity. If additional columns are needed, use as many additional forms as needed and indicate page number in space provided in upper right; however, the summary totals of all programs, functions, or activities should be shown in the "total" column on the first page.
4	Enter the Federal grant number, or other identifying number assigned by the Federal sponsoring agency. If the advance or reimbursement is for more than one grant or other agreement, insert N/A; then, show the aggregate amounts. On a separate sheet, list each grant or agreement number and the Federal share of outlays made against the grant or agreement.	11a	Enter in "as of date," the month, day, and year of the ending of the accounting period to which this amount applies. Enter program outlays to date (net of refunds, rebates, and discounts), in the appropriate columns. For requests prepared on a cash basis, outlays are the sum of actual cash disbursements for goods and services, the amount of indirect expenses charged, the value of in-kind contributions applied, and the amount of cash advances and payments made to subcontractors and subrecipients. For requests prepared on an accrued expenditure basis, outlays are the sum of the actual cash disbursements, the amount of indirect expenses incurred, and the net increase (or decrease) in the amounts owed by the recipient for goods and other property received and for services performed by employees, contracts, subgrantees and other payees.
6	Enter the employer identification number assigned by the U.S. Internal Revenue Service, or the FICE (institution) code if requested by the Federal agency.	11b	Enter the cumulative cash income received to date, if requests are prepared on a cash basis. For requests prepared on an accrued expenditure basis, enter the cumulative income earned to date. Under either basis, enter only the amount applicable to program income that was required to be used for the project or program by the terms of the grant or other agreement.
7	This space is reserved for an account number or other identifying number that may be assigned by the recipient.	11d	Only when making requests for advance payments, enter the total estimated amount of cash outlays that will be made during the period covered by the advance.
8	Enter the month, day, and year for the beginning and ending of the period covered in this request. If the request is for an advance or for both an advance and reimbursement, show the period that the advance will cover. If the request is for reimbursement, show the period for which the reimbursement is requested.	13	Complete the certification before submitting this request.
Note: The Federal sponsoring agencies have the option of requiring recipients to complete items 11 or 12, but not both. Item 12 should be used when only a minimum amount of information is needed to make an advance and outlay information contained in item 11 can be obtained in a timely manner from other reports.			
11	The purpose of the vertical columns (a), (b), and (c) is to provide space for separate cost breakdowns when a project has been planned and budgeted by program, function, or		

I.S.P.W.C ITEM NO.	DESCRIPTION	Q	UNIT	\$	% DIFF	Original Contract		CHANGE ORDERS	CURRENT CONTRACT	10/30 PAY Est 6	TOTAL project Cost	BALANCE REMAINING
						Cost	Units					
BASE BID SCHEDULE												
DIVISION 200 - EARTHWORK												
201.4.1.A.1	Cleaning, Grubbing & Tree Removal < 6-inch Dia.	0.27	AC	\$1,680.00	71.2%	\$15,573.60			\$15,573.60		\$15,573.60	\$0.00
201.4.1.D.1	Removal of Bituminous Surface	60,144	SY	\$1.30	118.2%	\$78,187.20			\$78,187.20		\$78,187.20	(\$84,000)
201.4.1.D.2	Removal of Existing Concrete	1,816	SY	\$3.60	97.3%	\$6,537.60			\$6,537.60		\$6,537.60	\$24.54
201.4.1.E.1	Removal of Existing Storm Drain Pipe	306	LF	\$3.05	9.2%	\$927.30			\$927.30		\$927.30	\$1,168.34
201.4.1.E.2	Removal of Existing Concrete Curb & Gutter	800	LF	\$4.25	71.4%	\$3,400.00			\$3,400.00		\$3,400.00	\$1,174.25
201.4.1.E.3	Removal of Existing Retaining Wall	35	LF	\$23.10	228.5%	\$808.50			\$808.50		\$808.50	\$1,782.50
201.4.1.F.1	Removal of Existing Catch Basin	11	EA	\$36.75	13.1%	\$404.25			\$404.25		\$404.25	\$608.50
201.4.1.F.3	Removal of Existing Tree -> 6-inch Dia.	40	EA	\$356.00	89.0%	\$14,240.00			\$14,240.00		\$14,240.00	\$608.50
201.4.1.F.4	Rebate Existing Mail Box (Temporary for Construction)	12	EA	\$66.00	79.0%	\$792.00			\$792.00		\$792.00	\$608.50
201.4.1.F.6	Rebate Existing Bench	1	EA	\$256.00	61.0%	\$256.00			\$256.00		\$256.00	\$608.50
202.4.1.A.1	Excavation & Embankment	1	LS	\$238,000.00	79.8%	\$238,000.00			\$238,000.00		\$238,000.00	\$608.50
202.4.5.B.1	Unsuitable Material Excavation (Spot Repair)	3,000	SY	\$16.65	108.6%	\$49,950.00			\$49,950.00		\$49,950.00	\$608.50
						\$400,705.90			\$400,705.90		\$400,705.90	\$608.50
						\$3,504.00			\$3,504.00		\$3,504.00	\$608.50
303.4.1.C.1	Explosive Excavation	6	EA	\$584.00	53.1%	\$3,504.00			\$3,504.00		\$3,504.00	\$608.50
						\$3,894.00			\$3,894.00		\$3,894.00	\$608.50
DIVISION 400 - WATER												
401.4.1.A.1	Water Main Pipe - 6" PVC C-800	18	LF	\$88.30	164.8%	\$1,589.40			\$1,589.40		\$1,589.40	\$608.50
401.4.1.B.1	Water Main Filling - 12" x 6" Tapping Sleeve with Tapping Valve	1	EA	\$4,170.00	90.7%	\$4,170.00			\$4,170.00		\$4,170.00	\$608.50
						\$5,759.40			\$5,759.40		\$5,759.40	\$608.50
DIVISION 600 - CULVERTS, STORM DRAINS, AND GRAVITY IRRIGATION												
601.4.1.A.1	30-inch Storm Drain Culvert, Corrugated Galvanized Steel Pipe (CGSP)	100	LF	\$66.25	79.6%	\$6,625.00			\$6,625.00		\$6,625.00	\$608.50
601.4.1.A.2	30-inch Storm Drain Culvert, Corrugated Galvanized Steel Pipe (CGSP)	10	LF	\$613.00	35.0%	\$6,130.00			\$6,130.00		\$6,130.00	\$608.50
601.4.1.A.12	12-inch Storm Drain Pipe, Corrugated Exterior Smooth Interior Polyethylene (Perforated CIPP)	872	LF	\$7.65	34.2%	\$6,670.80			\$6,670.80		\$6,670.80	\$608.50
601.4.1.A.17	12-inch Storm Drain Pipe, Corrugated Exterior Smooth Interior Polyethylene (Perforated CIPP)	26	LF	\$7.65	198.90	\$198.90			\$198.90		\$198.90	\$608.50
601.4.1.A.17	12-inch Storm Drain Pipe, Corrugated Exterior Smooth Interior Polyethylene (Perforated CIPP)	1,308	LF	\$25.80	106.7%	\$33,758.40			\$33,758.40		\$33,758.40	\$608.50
601.4.1.A.18	12-inch Storm Drain Pipe, Corrugated Exterior Smooth Interior Polyethylene (Perforated CIPP)	480	LF	\$25.60	106.7%	\$12,288.00			\$12,288.00		\$12,288.00	\$608.50
601.4.1.A.18	12-inch Storm Drain Culvert, Corrugated Galvanized Steel Pipe (CGSP)	10	LF	\$200.00	98.5%	\$2,000.00			\$2,000.00		\$2,000.00	\$608.50
601.4.1.A.18	60"x6" Storm Drain Culvert, Corrugated Galvanized Steel Pipe (CGSP)	85	LF	\$106.00	72.3%	\$9,010.00			\$9,010.00		\$9,010.00	\$608.50
601.4.1.A.20	6-inch Storm Drain Pipe, Corrugated Exterior Smooth Interior Polyethylene (CGSP)	344	EA	\$16.00	80.0%	\$5,504.00			\$5,504.00		\$5,504.00	\$608.50
601.4.1.A.21	Storm Drain Manhole 48-inch Dia. Concrete (See Plan Detail)	23	EA	\$1,030.00	101.2%	\$23,690.00			\$23,690.00		\$23,690.00	\$608.50
602.4.1.A.1	Storm Drain Manhole 48-inch Dia. Concrete (See Plan Detail)	6	EA	\$2,630.00	101.2%	\$15,780.00			\$15,780.00		\$15,780.00	\$608.50
602.4.1.A.2	Storm Drain Manhole 48-inch Dia. Concrete (See Plan Detail)	1	EA	\$2,630.00	101.2%	\$2,630.00			\$2,630.00		\$2,630.00	\$608.50
602.4.1.F.1	Catch Basin Type I, Inlet Frame & Grate (See Plan Detail)	32	EA	\$1,680.00	110.4%	\$5,376.00			\$5,376.00		\$5,376.00	\$608.50
602.4.1.F.1	Catch Basin Type I, Inlet Frame & Grate (See Plan Detail)	3	EA	\$1,860.00	110.4%	\$5,580.00			\$5,580.00		\$5,580.00	\$608.50
602.4.1.F.2	Catch Basin Type II, Inlet Frame, Grate & Inlet (See Plan Detail)	37	EA	\$2,600.00	115.3%	\$9,620.00			\$9,620.00		\$9,620.00	\$608.50
602.4.1.F.2	Catch Basin Type II, Inlet Frame, Grate & Inlet (See Plan Detail)	4	EA	\$2,600.00	115.3%	\$10,400.00			\$10,400.00		\$10,400.00	\$608.50
602.4.1.F.3	Catch Basin 6-inch Plastic Yield Inlet, Frame, Grate & Misc Fittings	11	EA	\$176.00	61.3%	\$1,936.00			\$1,936.00		\$1,936.00	\$608.50
						\$312,114.50			\$312,114.50		\$312,114.50	\$608.50
DIVISION 700 - CONCRETE												
703.4.1.A.2	Concrete Cast in Place Curbed Bicycle Ramp (See Plan Detail)	8	SY	\$264.00	251.4%	\$2,112.00			\$2,112.00		\$2,112.00	\$608.50
705.4.1.A.2	Reinforced Concrete Pavement - Class 3000 PSI, 5-inch Thick (Include Subgrade)	502	SY	\$45.85	108.5%	\$22,816.70			\$22,816.70		\$22,816.70	\$608.50
705.4.1.A.3	Reinforced Concrete Pavement - Class 3000 PSI, 8-inch Thick (Decorative Surface See Detail)	317	SY	\$67.20	83.1%	\$21,302.40			\$21,302.40		\$21,302.40	\$608.50
706.4.1.A.1	3-inch Standard & Reverse Flow Rolled Curb & Gutter (See Plan Detail)	24,072	LF	\$11.50	81.8%	\$276,828.00			\$276,828.00		\$276,828.00	\$608.50
706.4.1.A.1	3-inch Standard & Reverse Flow Rolled Curb & Gutter (See Plan Detail)	55	LF	\$11.50	81.8%	\$632.50			\$632.50		\$632.50	\$608.50
706.4.1.A.2	3-inch Thickened Edge Rolled Curb & Gutter (See Plan Detail)	500	LF	\$16.40	128.8%	\$8,200.00			\$8,200.00		\$8,200.00	\$608.50
706.4.1.A.3	6-inch Vertical Curb, No Gutter (See Plan Detail)	153	LF	\$19.55	106.8%	\$2,991.15			\$2,991.15		\$2,991.15	\$608.50
706.4.1.A.3	6-inch Vertical Curb, No Gutter (See Plan Detail)	659	LF	\$19.55	106.8%	\$12,883.45			\$12,883.45		\$12,883.45	\$608.50
706.4.1.A.4	6-inch Mountable Vertical Curb, No Gutter (SD-707A)	158	LF	\$14.75	101.4%	\$2,322.50			\$2,322.50		\$2,322.50	\$608.50
706.4.1.A.5	Standard 6-inch Vertical Curb & Gutter (See Plan Detail)	246	LF	\$16.15	98.2%	\$3,972.90			\$3,972.90		\$3,972.90	\$608.50
706.4.1.A.5	Standard 6-inch Vertical Curb & Gutter (See Plan Detail)	1,293	LF	\$16.15	98.2%	\$20,872.45			\$20,872.45		\$20,872.45	\$608.50
706.4.1.A.6	Roundabout Central Island Concrete Curb (See Plan Detail)	147	LF	\$25.90	135.2%	\$3,807.30			\$3,807.30		\$3,807.30	\$608.50
706.4.1.B.1	Concrete Valley Gutters	3,075	LF	\$20.85	134.3%	\$64,110.75			\$64,110.75		\$64,110.75	\$608.50

I.S.P.W.C ITEM NO.	DESCRIPTION	Q	UNIT	\$	% DIFF	Original Contract	CHANGE ORDERS	CURRENT CONTRACT		10/30 Pay Est 6		TOTAL project		BALANCE REMAINING	
								Units	Cost	Units	Cost	Units	Cost	Units	Cost
706.4.1.E.1	Concrete Sidewalk, 8-inch Thick (SD-700)	11,726	SY	\$31.85	102.7%	\$373,473.10		573,473.10	1,372.01	\$43,698.52	12,338.59	\$387,799.09	(512.59)	\$-16,235.99	FHWY
706.4.1.E.2	Concrete Sidewalk, 8-inch Thick (Decorative Surface Saw Plan Detail)	120	SY	\$94.05	90.1%	\$9,486.00		\$6,486.00	1.00	\$1,420.00	123.00	\$6,648.15	(9.00)	\$-162.15	CAPITAL
706.4.1.F.1	Concrete Driveway Approach (SD-710B)	4	EA	\$1,420.00	140.5%	\$5,680.00		\$5,680.00	1.00	\$1,420.00	4.00	\$5,680.00	-	\$0.00	FHWY
706.4.1.G.1	Remove, Stockpile and Reset Existing Black Fever Driveway	126	SY	\$192.00	#DIV/0!	\$16,692.00		\$16,692.00	109.59	\$14,465.88	121.17	\$15,994.44	4.83	\$97.56	FHWY
706.4.1.H.1	Pedestrian Ramp with Detectable Warning Domes (SD-712F)	73	EA	\$935.00	160.9%	\$69,855.00		\$69,855.00	37.00	\$4,195.00	76.00	\$65,460.00	(3.00)	\$-2,395.00	FHWY
706.4.1.H.3	Pedestrian Ramp with Detectable Warning Domes (SD-712E)	14	EA	\$925.00	158.7%	\$11,550.00		\$11,550.00	10.00	\$8,250.00	15.00	\$12,375.00	(1.00)	\$925.00	FHWY
706.4.1.H.4	Pedestrian Ramp with Detectable Warning Domes (SD-712A)	19	EA	\$948.00	163.1%	\$16,112.00		\$16,112.00	13.00	\$11,024.00	19.00	\$16,112.00	-	\$0.00	FHWY
706.4.1.H.5	Pedestrian Ramp with Detectable Warning Domes (SD-712C)	4	EA	\$960.00	171.5%	\$3,866.00		\$3,866.00	1.00	\$956.00	3.00	\$2,676.00	1.00	\$892.00	FHWY
	Subtotal:			\$956,000.30		\$956,000.30		\$956,000.30	1,622.60	\$162,437.8	2,298.25	\$727,563.05	(139.25)	\$-9,235.63	FHWY
DIVISION 800 - RECREATION AND ASPHALT															
801.4.1.A.1	3-inch Uncoated Aggregate (Washed Drain Rock)	2,100	CY	\$92.50	105.8%	\$68,250.00		\$68,250.00	2,100.00	\$0.00	2,238.25	\$72,775.63	(138.25)	\$-9,235.63	FHWY
802.4.1.A.1	Crushed Aggregate for Base 3/4-inch, Type I	6,228	CY	\$27.00	115.9%	\$168,156.00		\$168,156.00	2,400.59	\$6,494.31	6,228.00	\$168,156.00	-	\$0.00	FHWY
802.4.1.A.1	Crushed Aggregate for Base 3/4-inch, Type I	347	CY	\$27.00	115.9%	\$9,369.00		\$9,369.00	347.00	\$9,369.00	347.00	\$9,369.00	-	\$0.00	CAPITAL
802.4.1.A.2	Crushed Aggregate for Base 2-inch, Type II	9,666	CY	\$21.00	100.5%	\$203,166.00		\$203,166.00	9,666.00	\$0.00	9,666.00	\$203,166.00	-	\$0.00	FHWY
802.4.1.A.2	Crushed Aggregate for Base 2-inch, Type II	704	CY	\$21.00	100.5%	\$14,784.00		\$14,784.00	704.00	\$0.00	704.00	\$14,784.00	(78.64)	\$-1,651.44	CAPITAL
806.4.1.B.1	Crushed Aggregate for Base 2-inch, Type I	100	GAL	\$15.00	364.3%	\$1,500.00		\$1,500.00	92.64	\$1,417.39	156.72	\$2,398.58	(56.72)	\$-868.58	FHWY
810.4.1.A.1	3" Plain Mix Pavement, Class II, 3/4" PG-58-28	50,226	SY	\$12.70	97.7%	\$637,870.20		\$637,870.20	29,654.18	\$376,698.09	42,700.00	\$642,340.90	7,522.00	\$95,229.40	FHWY
810.4.1.A.1	3" Plain Mix Pavement, Class II, 3/4" PG-58-28	3,154	SY	\$12.70	87.7%	\$40,055.80		\$40,055.80	3,154.00	\$0.00	3,154.00	\$40,055.80	(35.25)	\$-1,306.03	CAPITAL
810.4.1.A.3	3 1/2" Plain Mix Pavement, Class III, 3/4" (Driveways Saw Plan Detail)	4,655	SY	\$37.05	121.8%	\$173,021.75		\$173,021.75	3,487.50	\$100,188.34	6,663.91	\$184,410.21	(85.25)	\$-1,306.03	FHWY
	Subtotal:			\$1,311,652.75		\$1,311,652.75		\$1,311,652.75	34,817.50	\$160,348.17	66,838.91	\$1,184,410.21		\$127,233.54	
DIVISION 900 - PRESSURE IRRIGATION															
901.4.1.A.1	6" Dia. Pressure Irrigation Pipe - PVC	4,657	LF	\$19.45	118.8%	\$75,940.65		\$75,940.65	4,657.00	\$0.00	4,657.00	\$75,940.65	(82.00)	\$-884.40	WATER
901.4.1.A.2	4" Dia. Pressure Irrigation Pipe - PVC	5,506	LF	\$21.95	128.6%	\$70,752.10		\$70,752.10	5,483.50	\$0.00	5,483.50	\$70,462.98	27.50	\$289.12	WATER
901.4.1.B.1	Pressure Irrigation Main Filling - 6" x 45' Bend	6	EA	\$219.00	128.6%	\$1,314.00		\$1,314.00	6.00	\$0.00	6.00	\$1,314.00	-	\$0.00	WATER
901.4.1.B.2	Pressure Irrigation Main Filling - 6" x 22 1/2' Bend	4	EA	\$214.00	129.7%	\$856.00		\$856.00	4.00	\$0.00	4.00	\$856.00	(1.00)	\$-216.00	WATER
901.4.1.B.3	Pressure Irrigation Main Filling - 6" x 11 1/4' Bend	11	EA	\$216.00	130.9%	\$2,376.00		\$2,376.00	11.00	\$0.00	11.00	\$2,376.00	-	\$0.00	WATER
901.4.1.B.4	Pressure Irrigation Main Filling - 6" x 6' x 6' Cross	1	EA	\$348.00	91.9%	\$348.00		\$348.00	1.00	\$348.00	1.00	\$348.00	-	\$0.00	WATER
901.4.1.B.5	Pressure Irrigation Main Filling - 6" x 6' x 6' Tee	1	EA	\$179.00	229.5%	\$179.00		\$179.00	1.00	\$0.00	1.00	\$179.00	-	\$0.00	WATER
901.4.1.B.6	Pressure Irrigation Main Filling - 6" Cap	3	EA	\$171.00	148.7%	\$513.00		\$513.00	3.00	\$0.00	3.00	\$513.00	-	\$0.00	WATER
901.4.1.B.7	Pressure Irrigation Main Filling - 4" x 11 1/4' Bend	1	EA	\$185.00	138.9%	\$185.00		\$185.00	1.00	\$0.00	1.00	\$185.00	-	\$0.00	WATER
901.4.1.B.8	Pressure Irrigation Main Filling - 4" x 22 1/2' Bend	1	EA	\$187.00	138.9%	\$187.00		\$187.00	1.00	\$0.00	1.00	\$187.00	-	\$0.00	WATER
901.4.1.B.9	Pressure Irrigation Main Filling - 5" Diameter Reduced Pressure Backflow Assembly with Enclosure	1	EA	\$7,250.00	85.2%	\$7,250.00		\$7,250.00	0.10	\$7,250.00	1.00	\$7,250.00	-	\$0.00	WATER
901.4.1.B.10	Pressure Irrigation Main Filling - 4" Cap	1	EA	\$154.00	146.7%	\$154.00		\$154.00	1.00	\$0.00	1.00	\$154.00	-	\$0.00	WATER
901.4.1.B.11	Pressure Irrigation Main Filling - Manual Drain Valve and Assembly	6	EA	\$298.00	95.9%	\$1,788.00		\$1,788.00	6.00	\$0.00	6.00	\$1,788.00	-	\$0.00	WATER
901.4.1.B.12	Pressure Irrigation Main Filling - 4" x 45' Bend	4	EA	\$186.00	116.9%	\$744.00		\$744.00	4.00	\$0.00	4.00	\$744.00	-	\$0.00	WATER
901.4.1.B.13	Pressure Irrigation Main Filling - 6" x 6' x 6' Tee	1	EA	\$408.00	102.0%	\$408.00		\$408.00	1.00	\$0.00	1.00	\$408.00	-	\$0.00	WATER
901.4.1.B.14	Pressure Irrigation Main Filling - 6" x 6' x 6' Tee	1	EA	\$316.00	162.1%	\$316.00		\$316.00	1.00	\$0.00	1.00	\$316.00	-	\$0.00	WATER
902.4.1.A.1	6" Dia. Pressure Irrigation Valve	3	EA	\$701.00	94.7%	\$2,103.00		\$2,103.00	3.00	\$0.00	3.00	\$2,103.00	(1.00)	\$-370.00	WATER
902.4.1.A.2	4" Dia. Pressure Irrigation Valve	6	EA	\$593.00	64.8%	\$3,558.00		\$3,558.00	6.00	\$0.00	6.00	\$3,558.00	-	\$0.00	WATER
903.4.1.A.1	1" Dia. Pressure Irrigation Pipe Service - PVC with Frangible Box	14	EA	\$623.00	78.3%	\$8,722.00		\$8,722.00	14.00	\$0.00	14.00	\$8,722.00	-	\$0.00	WATER
903.4.1.A.2	1 1/2" Dia. Pressure Irrigation Pipe Service - PVC with Frangible Box	42	EA	\$667.00	80.2%	\$28,014.00		\$28,014.00	42.00	\$0.00	42.00	\$28,014.00	-	\$0.00	WATER
903.4.1.A.3	1" Combination Air Release/Vacuum Valve Sizing	2	EA	\$1,110.00	44.9%	\$2,220.00		\$2,220.00	2.00	\$0.00	2.00	\$2,220.00	-	\$0.00	WATER
	Subtotal:			\$206,955.75		\$206,955.75		\$206,955.75	\$4,727.00	\$0.00	\$4,727.00	\$203,331.03	5	\$3,624.72	
DIVISION 1000 - CONSTRUCTION STRAWWATER BEST MANAGEMENT PRACTICES (BMP)															
1007.4.1.A.1	Topsoiling (F)	17,208	SY	\$5.30	84.9%	\$91,202.40		\$91,202.40	10,650.45	\$56,341.35	12,496.47	\$66,231.29	4,711.53	\$24,971.11	WATER
1007.4.1.B.1	Seeding	12,573	SY	\$1.35	327.5%	\$16,973.55		\$16,973.55	183.63	\$1,542.49	183.63	\$1,542.49	-	\$-89,617.51	WATER
1007.4.1.C.1	Sodding	4,900	SY	\$8.40	359.0%	\$41,160.00		\$41,160.00	183.63	\$1,542.49	183.63	\$1,542.49	-	\$-89,617.51	WATER
	Subtotal:			\$140,336.95		\$140,336.95		\$140,336.95	10,820.08	\$57,883.83	12,680.10	\$67,773.78	22,000.80	\$81,562.17	

I.S.P.W.C ITEM NO.	DESCRIPTION	Q	UNIT	\$	% DIFF	CHANGE ORDERS		CURRENT CONTRACT	10/30 Pay Est 6 Units	TOTAL project Cost	BALANCE REMAINING
						Original	Contract				
1101.4.1.A.1	TRAFFIC DIVISION 1100 - TRAFFIC	1	LS	\$212,020.00	108.7%	\$212,020.00	\$212,020.00	\$212,020.00	1.00	\$212,020.00	\$0.00
1102.4.1.E.1	Traffic Signal	5,112	LF	\$3.80	481.0%	\$19,426.60	\$19,426.60	\$19,426.60	5,280.00	\$19,426.60	\$0.00
1102.4.1.E.2	2 Conduit, PVC, 6ch, 40	2,923	LF	\$3.70	626.6%	\$10,815.10	\$10,815.10	\$10,815.10	2,930.00	\$10,815.10	\$0.00
1103.4.1.A.1	1 1/2" Conduit, PVC, Sch. 40	1	LS	\$9,000.00	95.9%	\$9,000.00	\$9,000.00	\$9,000.00	1.00	\$9,000.00	\$0.00
1103.4.1.A.1	Construction Traffic Control	1,605	SF	\$5.25	106.1%	\$8,426.25	\$8,426.25	\$8,426.25	2,300.00	\$1,207.50	\$95,119.75
1103.4.1.B.1	Traffic Control Signs	45	EA	\$1,380.00	105.4%	\$4,986.00	\$4,986.00	\$4,986.00	37.00	\$936.10	\$2,024.40
1103.4.1.C.1	Traffic Control Barricades	340	EA	\$13.20	105.6%	\$4,488.00	\$4,488.00	\$4,488.00	59.00	\$778.80	\$3,709.20
1103.4.1.D.1	Traffic Control Drums	640	NH	\$94.25	106.9%	\$61,184.00	\$61,184.00	\$61,184.00	85.00	\$5,469.75	\$5,714.25
1103.4.1.E.1	Traffic Control Flaggers	384	MH	\$70.40	108.1%	\$27,033.60	\$27,033.60	\$27,033.60	266.00	\$18,726.40	\$9,307.20
1103.4.1.F.1	Traffic Control Maintenance	556	LF	\$0.30	375.0%	\$167.40	\$167.40	\$167.40	0.00	\$0.00	\$167.40
1104.4.1.A.2	Pavement Line Paint or Painted Pavement Markings, 4-inch	20,280	LF	\$0.10	125.0%	\$2,028.00	\$2,028.00	\$2,028.00	7,916.00	\$794.60	\$1,233.40
1104.4.1.A.3	Pavement Line Paint or Painted Pavement Markings, 6-inch	21,630	LF	\$0.20	125.0%	\$4,326.00	\$4,326.00	\$4,326.00	7,498.00	\$1,499.60	\$2,826.40
1104.4.1.A.4	White	3,500	SF	\$1.70	88.0%	\$6,001.00	\$6,001.00	\$6,001.00	4,705.00	\$799.85	\$5,201.15
1104.4.1.A.5	Special Pavement Markings	372	SF	\$11.00	145.3%	\$4,098.60	\$4,098.60	\$4,098.60	352.00	\$4,153.60	\$236.00
1104.4.1.B.1	Thermoplastic Pavement Markings	93	LF	\$9.25	127.6%	\$860.25	\$860.25	\$860.25	67.00	\$619.75	\$240.50
1104.4.1.B.2	Modified Thermoplastic Dotted Yellow Line, 12-inch Wide, 38-inch Roundabout Detail	70	LF	\$9.25	127.6%	\$647.50	\$647.50	\$647.50	71.00	\$656.75	\$8.25
1104.4.1.B.3	Modified Thermoplastic Yellow Edge Line, 8-inch Wide (See Roundabout Detail)	433	LF	\$7.45	156.6%	\$3,225.85	\$3,225.85	\$3,225.85	440.30	\$3,280.24	\$54.39
1104.4.1.B.4	Thermoplastic White Edge Line, 4-inch Wide (See Roundabout Detail)	412	LF	\$4.35	147.5%	\$1,792.20	\$1,792.20	\$1,792.20	90.00	\$1,479.00	\$313.20
1104.4.1.B.5	Thermoplastic Double Yellow Lane Line, 4-inch Wide (See Roundabout Detail)	506	LF	\$4.25	73.3%	\$2,146.25	\$2,146.25	\$2,146.25	477.00	\$2,027.25	\$119.00
1104.4.1.B.6	Pavement Signaling	212	SF	\$10.20	100.0%	\$2,162.40	\$2,162.40	\$2,162.40	0.00	\$0.00	\$2,162.40
1105.4.1.A.1	Permanent Signing	115	SF	\$10.20	100.0%	\$1,173.00	\$1,173.00	\$1,173.00	0.00	\$0.00	\$1,173.00
1105.4.1.A.1	Permanent Signing	50	EA	\$394.00	126.3%	\$19,700.00	\$19,700.00	\$19,700.00	45.00	\$5,516.00	\$14,184.00
1105.4.1.C.2	Street Sign Posts	45	EA	\$114.00	108.6%	\$5,130.00	\$5,130.00	\$5,130.00	33.00	\$3,762.00	\$1,368.00
1105.4.1.E.1	Reset Sign and Post					\$388,178.50	\$388,178.50	\$388,178.50	47.00	\$28,202.05	\$356,976.45
	Subtotal:					\$155,000.00	\$155,000.00	\$155,000.00	1.00	\$155,000.00	\$0.00
2010.4.1.A.1	Mobilization	59	EA	\$620.00	100.0%	\$36,594.00	\$36,594.00	\$36,594.00	31.00	\$19,406.00	\$17,188.00
2030.4.1.A.1	Manhole, Adjust to Grade	6	EA	\$597.00	98.6%	\$3,402.00	\$3,402.00	\$3,402.00	4.00	\$2,268.00	\$1,134.00
2030.4.1.B.1	Storm Water Structure, Dry Well, Adjust to Grade	84	EA	\$284.00	120.9%	\$23,956.00	\$23,956.00	\$23,956.00	56.00	\$15,964.00	\$8,992.00
2030.4.1.C.1	Valve Box, Adjust to Grade					\$219,192.00	\$219,192.00	\$219,192.00	185.00	\$37,578.00	\$181,614.00
	Subtotal:					\$103,000.00	\$103,000.00	\$103,000.00	0.13	\$13,390.00	\$89,610.00
	SPECIAL PROVISIONS					\$16,920.00	\$16,920.00	\$16,920.00	0.08	\$1,353.60	\$15,566.40
SP-2130	Construction Coordination, Scheduling, Planning, Staging & Staking	1	LS	\$16,920.00	42.3%	\$7,148.40	\$7,148.40	\$7,148.40	3.00	\$30,240.00	\$23,091.60
SP-2216	Storm Water Pollution Prevention Plan Management	8	EA	\$11,080.00	105.2%	\$8,864.00	\$8,864.00	\$8,864.00	9.00	\$17,730.00	\$8,866.00
SP-3000	Bur Shelter	8	EA	\$1,970.00	126.3%	\$15,760.00	\$15,760.00	\$15,760.00	0.00	\$0.00	\$15,760.00
SP-3100	Change Mail Box Unit	453	LF	\$103.00	100.0%	\$46,659.00	\$46,659.00	\$46,659.00	364.22	\$37,514.66	\$9,144.34
SP-3200	Retaining Walls (Gravity Block Wall Under 3 feet Tall)					\$270,978.00	\$270,978.00	\$270,978.00	12.21	\$65,713.00	\$205,265.00
	Subtotal:					\$270,978.00	\$270,978.00	\$270,978.00	1.00	\$103,000.00	\$167,978.00
	CHANGE ORDERS					\$0.00	\$0.00	\$0.00	0.00	\$0.00	\$0.00
CO1	Shaft/Lite Measurement Method	0	EA	\$0.00		\$0.00	\$0.00	\$0.00	0.00	\$0.00	\$0.00
CO2	Half-inch HWM M.K. for Driveways	21,900	SY	\$3.185		\$69,651.00	\$69,651.00	\$69,651.00	0.00	\$0.00	\$69,651.00
CO3	Concrete Slab Size Adjustment from Approved	10	LF	\$2,000.00		\$20,000.00	\$20,000.00	\$20,000.00	0.00	\$0.00	\$20,000.00
CO4	Remove Item 601.4.1.A.10 Storm drain culvert	7	SY	\$37.05		\$259.35	\$259.35	\$259.35	0.00	\$0.00	\$259.35
CO5	Add Paved Driveway at 16130 RI	34	SY	\$13.38		\$454.92	\$454.92	\$454.92	0.00	\$0.00	\$454.92
CO6	Change Plant Cut-Out Stations for Removal of Bui	120	LF	\$4.61		\$553.20	\$553.20	\$553.20	0.00	\$0.00	\$553.20
CO7	4.1.E.4 Curbs Removal	40	LF	\$68.25		\$2,730.00	\$2,730.00	\$2,730.00	0.46	\$62,708.44	\$59,978.44
CO8	1.1.E.4 Inlets	1	LS	\$201,735.74		\$201,735.74	\$201,735.74	\$201,735.74	0.00	\$0.00	\$201,735.74
CO9	Manual Drain Valve & Assembly Pits	6	EA	\$168.00		\$1,008.00	\$1,008.00	\$1,008.00	0.00	\$0.00	\$1,008.00
CO10	Additional Concrete Spec Changes	1	EA	\$0.00		\$0.00	\$0.00	\$0.00	1.00	\$2,550.00	\$2,550.00
CO11	Chalkline Stripping	1	LS	\$5,200.00		\$5,200.00	\$5,200.00	\$5,200.00	1.00	\$2,550.00	\$2,650.00
CO12	Field Fit Curbs	1	LS	\$1,134.81		\$1,134.81	\$1,134.81	\$1,134.81	1.00	\$1,134.81	\$0.00
CO13	Lower Manhole	5	EA	\$4,388.00		\$21,940.00	\$21,940.00	\$21,940.00	3.00	\$2,620.80	\$19,319.20
CO14	Field Manhole Shields	3	EA	\$4,042.21		\$12,126.63	\$12,126.63	\$12,126.63	2.00	\$808.50	\$11,318.13
CO15A	Additional Excavation (Existing Items paid via overrun link)	177	CF	\$9.66		\$1,708.82	\$1,708.82	\$1,708.82	0.65	\$1,935.81	\$24.93
CO16	Change Concrete Spec	1	LS	\$4,530.60		\$4,530.60	\$4,530.60	\$4,530.60	1.00	\$0.00	\$4,530.60
CO17	Initial Staked Grades	3	EA	\$67.75		\$203.25	\$203.25	\$203.25	3.00	\$173.25	\$30.00

PROJECT: WOODSIDE BOULEVARD RECONSTRUCTION				PAY REQUEST #6				TOTAL CONTRACT COST TO DATE	TOTAL BID CONTRACT COST	% SPEND OF CONTRACT COST
CLIENT: CITY OF HAILEY				10/30/2012						
FHWA PROJ NO: T09R0007 DTH81-11-G-00001				QTY. This Est.	Cost This Est.	Qty. To Date	Cost To Date			
U.S.P.W.C ITEM NO.	DESCRIPTION	AUTH. QUANTITY	UNIT PRICE							
DIVISION 200 - EARTHWORK										
201.4.1.A.1	Cleaning, Grubbing & Tree Removal - 6-inch Dia	0.27	AC	\$1,080.00						
201.4.1.D.1	Removal of Bituminous Surface	60,144	SY	\$1.30	2226.75	\$2,894.78	\$1,808.04	\$80,507.45	\$50,597.45	\$78,187.20
201.4.1.D.2	Removal of Existing Concrete	1,816	SY	\$3.60	4.34	\$15.62	\$1,491.48	\$5,369.28	\$5,337.60	\$5,337.60
201.4.1.E.1	Removal of Existing Storm Main Pipe	385	LF	\$3.05		\$0.00	275.00	\$833.75	\$833.75	\$1,174.25
201.4.1.E.2	Removal of Existing Concrete Curb & Gutter	890	LF	\$4.25		\$0.00	1,068.00	\$4,539.00	\$4,539.00	\$3,782.50
201.4.1.E.3	Removal of Existing Retaining Wall	35	LF	\$23.10		\$0.00	35.00	\$808.50	\$808.50	\$808.50
201.4.1.F.1	Removal of Existing Catch Basin	11	EA	\$36.75		\$0.00	11.00	\$404.25	\$404.25	\$404.25
201.4.1.F.2	Removal of Existing Tree -> Grubbed	40	EA	\$350.00		\$0.00	22.00	\$7,700.00	\$7,632.00	\$14,240.00
201.4.1.F.3	Remove Existing Tree -> Grubbed	12	EA	\$50.00		\$0.00	11.00	\$550.00	\$550.00	\$702.00
201.4.1.F.4	Relocate Existing Mail Box (Temporary for Construction)	1	EA	\$250.00	1.00	\$250.00	1.00	\$250.00	\$250.00	\$250.00
201.4.1.F.5	Relocate Existing Bench	1	LS	\$238,000.00		\$0.00	1.00	\$238,000.00	\$238,000.00	\$238,000.00
202.4.1.A.1	Excavation & Embankment	3.00	SY	\$10.00		\$0.00	84.44	\$1,405.92	\$1,405.00	\$48,950.00
202.4.5.B.1	Unstable Material Excavation (Spot Spot Repair)	4.00	LS	\$10.00		\$0.00				\$2,510.00
				Subtotal:		\$3,198.40		\$396,259.73	\$396,259.73	\$499,706.89
DIVISION 300 - TRENCHING										
300.4.1.C.1	Excavation/Excavation	6	EA	\$584.00		\$0.00	4.00	\$2,304.00	\$2,330.00	\$3,504.00
				Subtotal:		\$0.00		\$2,330.00	\$2,330.00	\$3,504.00
DIVISION 400 - WATER										
401.4.1.A.1	Water Main Pipe - 6" PVC C-500	18	LF	\$88.30		\$0.00	28.00	\$2,477.40	\$2,477.40	\$1,888.40
401.4.1.B.1	Water Main Fitting - 12" x 6" Tapping Sleeve with Tapping Valve	1	EA	\$4,170.00		\$0.00	1.00	\$4,170.00	\$4,170.00	\$4,170.00
				Subtotal:		\$0.00		\$6,647.40	\$6,647.40	\$15,233.00
DIVISION 600 - CULVERTS, STORM DRAINS, AND GRAVITY IRRIGATION										
601.4.1.A.11	30-inch Storm Drain Culvert, Compacted Galvanized Steel Pipe (CGSP)	100	LF	\$60.25		\$0.00	65.00	\$4,300.25	\$4,300.25	\$6,025.00
601.4.1.A.12	36-inch Storm Drain Culvert, Compacted Galvanized Steel Pipe (CGSP)	10	LF	\$91.30		\$0.00	0.00	\$0.00	\$0.00	\$91.30
601.4.1.A.17	12-inch Storm Drain Pipe, Compacted Exterior Smooth Interior Polyethylene (Perforated CPP)	898	LF	\$7.85		\$0.00	857.50	\$6,659.88	\$6,559.88	\$6,889.70
601.4.1.A.18	12-inch Storm Drain Pipe, Compacted Exterior Smooth Interior Polyethylene (CPP)	1,258	LF	\$25.00		\$0.00	1,804.40	\$46,120.84	\$46,120.84	\$47,504.80
601.4.1.A.19	60"x5' Storm Drain Culvert, Compacted Galvanized Steel Pipe (CGSP)	10	LF	\$700.00		\$0.00	0.00	\$0.00	\$0.00	\$2,000.00
601.4.1.A.20	60"x4' Storm Drain Culvert, Compacted Galvanized Steel Pipe (CGSP)	95	LF	\$190.00		\$0.00	65.00	\$12,225.00	\$12,225.00	\$18,225.00
601.4.1.A.24	8-inch Storm Drain Pipe, Compacted Exterior Smooth Interior Polyethylene (CPP)	344	LF	\$10.00		\$0.00	350.00	\$3,500.00	\$3,500.00	\$5,504.00
602.4.1.A.1	Storm Drain Manhole 24-inch Dia. (See Plan Detail)	22	EA	\$1,020.00		\$0.00	20.00	\$20,400.00	\$20,400.00	\$23,690.00
602.4.1.A.2	Storm Drain Manhole 48-inch Dia. (See Plan Detail)	9	EA	\$2,630.00		\$0.00	8.00	\$21,040.00	\$21,040.00	\$23,070.00
602.4.1.F.1	Catch Basin Type I: Inlet Frame & Grate (See Plan Detail)	35	EA	\$1,830.00		\$0.00	32.00	\$58,560.00	\$58,520.00	\$85,100.00
602.4.1.F.2	Catch Basin Type I: Inlet Frame, Grate & Slight (See Plan Detail)	41	EA	\$2,600.00		\$0.00	38.00	\$98,800.00	\$98,800.00	\$100,600.00
602.4.1.F.3	Catch Basin 8-inch Plastic Inlet Frame, Grate & Inlet Fittings	11	EA	\$478.00	2.00	\$358.00	11.00	\$5,258.00	\$5,258.00	\$5,258.00
				Subtotal:		\$958.00		\$289,581.77	\$289,581.77	\$312,114.50
DIVISION 700 - CONCRETE										
700.4.1.A.2	Concrete, Cast in Place Curbed Bicycle Ramp (See Plan Detail)	8	SY	\$284.00		\$0.00	8.10	\$2,312.00	\$2,312.00	\$2,112.00
705.4.1.A.2	Portland Cement Concrete Pavement - Class 3000 PSI, 5-inch Thick (Private Driveway)	502	SY	\$45.85	201.82	\$6,258.03	388.05	\$17,792.09	\$17,792.09	\$25,707.20
705.4.1.A.3	Portland Cement Concrete Pavement - Class 3000 PSI, 5-inch Thick (Decorative Surface See Detail)	317	SY	\$67.20		\$0.00	328.01	\$22,088.92	\$22,088.92	\$21,202.40
706.4.1.A.1	3-inch Standard & Reverse Flow Rolled Curb & Gutter (See Plan Detail)	24,127	LF	\$11.50		\$0.00	22,540.20	\$258,291.30	\$258,291.30	\$277,460.50
706.4.1.A.2	3-inch Thickened Edge Rolled Curb & Gutter (See Plan Detail)	600	LF	\$16.40		\$0.00	542.00	\$8,888.80	\$8,888.80	\$8,200.00
706.4.1.A.3	6-inch Vertical Curb, No Gutter (See Plan Detail)	300	LF	\$19.50	17.00	\$332.35	242.10	\$4,733.00	\$4,733.00	\$6,040.00
706.4.1.A.4	6-inch Mountable Vertical Curb, No Gutter (SD-701A)	639	LF	\$14.75		\$0.00	623.80	\$9,192.15	\$9,192.15	\$9,425.25
706.4.1.A.5	Standard 6-inch Vertical Curb & Gutter (See Plan Detail)	1,509	LF	\$16.15		\$0.00	1,330.80	\$21,489.15	\$21,489.15	\$24,370.38
706.4.1.A.6	Roundabout Central Island Cement Concrete Curb (See Plan Detail)	147	LF	\$25.90		\$0.00	148.50	\$3,806.55	\$3,806.55	\$3,807.20
706.4.1.B.1	Concrete Valley Gutters	3,075	LF	\$28.85		\$0.00	2,973.00	\$85,825.05	\$85,825.05	\$82,563.75
706.4.1.E.1	Concrete Sidewalks, 5-inch Thick (SD-700)	11,726	SY	\$31.85	4372.01	\$43,298.52	12,238.50	\$389,799.09	\$389,799.09	\$730,473.10
706.4.1.E.2	Concrete Sidewalks, 5-inch Thick (Decorative Surface See Plan Detail)	120	SY	\$54.05		\$0.00	123.00	\$6,486.15	\$6,486.15	\$6,480.00
706.4.1.F.1	Concrete Driveway Approach (SD-710B)	4	EA	\$1,420.00	1.00	\$1,420.00	4.00	\$5,680.00	\$5,680.00	\$5,680.00
706.4.1.G.1	Remove, Stockpile and Reset Existing Brick Paver Driveway	126	SY	\$132.00	109.59	\$14,465.88	121.17	\$15,904.44	\$15,904.44	\$16,632.00
708.4.1.H.1	Pedestrian Ramp w/Delectable Warning Domes (SD-712F)	73	EA	\$835.00	17.00	\$14,105.00	78.00	\$65,460.00	\$65,460.00	\$80,855.00
708.4.1.H.2	Pedestrian Ramp w/Delectable Warning Domes (SD-712G)	14	EA	\$825.00	10.00	\$8,250.00	15.00	\$12,375.00	\$12,375.00	\$11,550.00
708.4.1.H.3	Pedestrian Ramp w/Delectable Warning Domes (SD-712A)	19	EA	\$848.00	15.00	\$11,024.00	19.00	\$16,112.00	\$16,112.00	\$16,112.00
708.4.1.H.4	Pedestrian Ramp w/Delectable Warning Domes (SD-712C)	4	EA	\$892.00		\$0.00	3.00	\$2,676.00	\$2,676.00	\$3,568.00
708.4.1.H.5	Pedestrian Ramp w/Delectable Warning Domes (SD-712D)	4	EA	\$892.00		\$0.00	3.00	\$2,676.00	\$2,676.00	\$3,568.00
				Subtotal:		\$102,843.78		\$942,082.44	\$942,082.44	\$935,608.30
DIVISION 800 - AGGREGATES AND ASPHALT										
801.4.1.A.1	3-inch Minus Unwashed Aggregate (Washed Road Rock)	2,100	CY	\$32.50		\$0.00	2,239.25	\$72,773.83	\$72,773.83	\$88,250.00
802.4.1.A.1	Crushed Aggregate for Base 24-inch Type I	6,575	CY	\$27.00	887.53	\$178,633.31	6,575.00	\$177,525.00	\$177,525.00	\$177,525.00
802.4.1.A.2	Crushed Aggregate for Base 24-inch Type II	10,400	CY	\$21.00		\$0.00	10,478.04	\$220,051.44	\$220,051.44	\$218,400.00
800.4.1.B.1	Divided Emulsified Asphalt for Tack Coat (0.05/GAL/SY)	10.00	GAL	\$15.30	92.64	\$1,417.39	156.77	\$2,398.58	\$2,398.58	\$1,530.00
810.4.1.A.1	3" Plant Mix Pavement, Class II, 3/4" PG-58-28	53,280	SY	\$12.70	29054.18	\$376,800.00	42,704.00	\$542,340.80	\$542,340.80	\$977,920.00
810.4.1.A.3	1/2" Plant Mix Pavement, Class III, 3/4" (Driveways See Plan Detail)	4,635	SY	\$37.05	1720.55	\$171,900.38	4,670.25	\$173,227.75	\$173,227.75	\$168,021.75
				Subtotal:		\$484,885.17		\$1,184,419.21	\$1,184,419.21	\$1,311,952.75
DIVISION 900 - PRESSURE IRRIGATION										
901.4.1.A.1	6" Dia. Pressure Injection Pipe - PVC	4,857	LF	\$16.45		\$0.00	4,889.00	\$79,835.05	\$79,835.05	\$75,040.00
901.4.1.A.2	6" Dia. Pressure Injection Pipe - PVC	5,508	LF	\$12.85		\$0.00	5,483.50	\$70,462.98	\$70,462.98	\$70,752.10
901.4.1.B.1	Pressure Injection Main Fitting - 6" x 45° Bend	6	EA	\$219.00		\$0.00	6.00	\$1,314.00	\$1,314.00	\$1,314.00
901.4.1.B.2	Pressure Injection Main Fitting - 6" x 22 1/2° Bend	4	EA	\$214.00		\$0.00	5.00	\$1,070.00	\$1,070.00	\$850.00
901.4.1.B.3	Pressure Injection Main Fitting - 6" x 11 1/4° Bend	13	EA	\$216.00		\$0.00	1.00	\$216.00	\$216.00	\$2,379.00
901.4.1.B.4	Pressure Injection Main Fitting - 6" x 6" x 6" Cross	1	EA	\$348.00		\$0.00	1.00	\$348.00	\$348.00	\$348.00
901.4.1.B.5	Pressure Injection Main Fitting - 6" x 4" Reducer	1	EA	\$179.00		\$0.00	1.00	\$179.00	\$179.00	\$179.00
901.4.1.B.6	Pressure Injection Main Fitting - 6" Cap	3	EA	\$171.00		\$0.00	3.00	\$513.00	\$513.00	\$513.00
901.4.1.B.7	Pressure Injection Main Fitting - 4" x 11 1/4° Bend	1	EA	\$185.00		\$0.00	0.00	\$0.00	\$0.00	\$185.00
901.4.1.B.8	Pressure Injection Main Fitting - 4" x 22 1/2° Bend	1	EA	\$187.00		\$0.00	1.00	\$187.00	\$187.00	\$187.00
901.4.1.B.9	Pressure Injection Main Fitting - 6" Diameter Reduced Pressure Backflow Assembly With Enclosure	1	EA	\$725.00	0.10	\$72.50	1.00	\$725.00	\$725.00	\$7,250.00
901.4.1.B.10	Pressure Injection Main Fitting - 4" Cap	1	EA	\$154.00		\$0.00	1.00	\$154.00	\$154.00	\$154.00
901.4.1.B.11	Pressure Injection Main Fitting - Manual Drain Valve and Assembly	6	EA	\$208.00		\$0.00	5.00	\$1,040.00	\$1,040.00	\$1,788.00
901.4.1.B.12	Pressure Injection Main Fitting - 4" x 45° Bend	4	EA	\$186.00		\$0.00	4.00	\$744.00	\$744.00	\$744.00
901.4.1.B.13	Pressure Injection Main Fitting - 6" x 6" x 6" Tee	1	EA	\$408.00		\$0.00	1.00	\$408.00	\$408.00	\$408.00
901.4.1.B.14	Pressure Injection Main Fitting - 6" x 90° Bend	1	EA	\$316.00		\$0.00	1.00	\$316.00	\$316.00	\$316.00
902.4.1.A.1	6" Dia. Pressure Injection Valve	3	EA	\$701.00		\$0.00	4.00	\$2,804.00	\$2,804.00	\$2,103.00
902.4.1.A.2	6" Dia. Pressure Injection Valve	6	EA	\$581.00		\$0.00	3.00	\$1,743.00	\$1,743.00	\$9,486.00
903.4.1.A.1	1" Dia. Pressure Injection Pipe Service - PVC with Fiberglass Box	14	EA	\$903.00		\$0.00	7.00	\$6,321.00	\$6,321.00	\$8,722.00
903.4.1.A.2	1" Dia. Pressure Injection Pipe Service - PVC with Fiberglass Box	42	EA	\$607.00	0.00	\$4,002.00	48.00	\$29,136.00	\$29,136.00	\$28,014.00
903.4.1.A.3	1" Combination Air Release/Vacuum Valve Station	2	EA	\$1,110.00		\$0.00	2.00	\$2,220.00	\$2,220.00	\$2,220.00
				Subtotal:		\$4,727.80		\$293,331.93	\$293,331.93	\$299,955.75
DIVISION 1000 - CONSTRUCTION STORMWATER BEST MANAGEMENT PRACTICES (BMPs)										
1007.4.1.A.1	Topsoiling (6")	17,298	SY	\$5.30	10090.45	\$58,341.29	12,490.47	\$66,231.29	\$66,231.29	\$91,202.40
1007.4.1.B.1	Seeding	12,573	SY	\$1.25		\$0.00	0.00	\$0.00	\$0.00	\$16,973.55
1007.4.1.C.1	Seeding	4,000	SY	\$9.40	189.09	\$1,542.69	189.09	\$1,542.69	\$1,542.69	\$4,190.00
				Subtotal:		\$73,883.98		\$67,773.98	\$67,773.98	\$140,235.95
DIVISION 1100 - TRAFFIC										

PROJECT: WOODSIDE BOULEVARD RECONSTRUCTION					PAY REQUEST #6				TOTAL CONTRACT COST TO DATE	TOTAL BID CONTRACT COST	% SPENT OF CONTRACT COST
CLIENT: CITY OF HAILEY					10/30/2012						
FHWA PROJ. NO. TDG11-C-07-DTH101-11-G-00001					QTY. THIS EST.	COST THIS EST.	QTY. TO DATE	COST TO DATE	TOTAL CONTRACT COST TO DATE	TOTAL BID CONTRACT COST	% SPENT OF CONTRACT COST
I.S.P.W.C ITEM NO.	DESCRIPTION	AUTH. QUANTITY	UNIT	UNIT PRICE							
BASE BID SCHEDULE											
1101.4.1.A.1	Traffic Signel	1	LS	\$212,020.00	0.05	\$10,601.00	1.00	\$212,020.00	\$212,020.00	\$212,020.00	100.00%
1102.4.1.E.1	2" Conduit, PVC, Sch. 40	5,112	LF	\$3.60		\$0.00	5,120.00	\$18,432.00	\$18,432.00	\$18,432.00	100.00%
1102.4.1.E.2	1 1/2" Conduit, PVC, Sch. 40	2,923	LF	\$3.70		\$0.00	2,930.00	\$10,841.00	\$10,841.00	\$10,841.00	100.00%
1103.4.1.A.1	Construction Traffic Control	1	LS	\$0,000.00	0.20	\$2,574.00	1.00	\$0,000.00	\$0,000.00	\$0,000.00	100.00%
1103.4.1.B.1	Traffic Control Signs	1,005	SF	\$5.28	230.00	\$1,207.50	1,232.25	\$7,472.00	\$7,472.00	\$8,226.25	88.65%
1103.4.1.C.1	Traffic Control Barricades	45	EA	\$26.30		\$0.00	37.00	\$930.10	\$930.10	\$1,136.60	82.22%
1103.4.1.D.1	Traffic Control Drums	340	EA	\$10.20		\$0.00	50.00	\$778.80	\$778.80	\$4,488.00	17.35%
1103.4.1.L.1	Traffic Control Flaggers	640	MH	\$64.35	17.00	\$1,093.95	85.00	\$5,469.75	\$5,469.75	\$41,184.00	13.28%
1103.4.1.L.1	Traffic Control Maintenance	384	MH	\$70.40	60.25	\$3,537.60	208.00	\$18,726.40	\$18,726.40	\$27,033.00	80.27%
1104.4.1.A.2	Pavement Line Paint or Painted Pavement Markings, 4-inch White	558	LF	\$0.30		\$0.00	0.00	\$0.00	\$0.00	\$107.40	0.00%
1104.4.1.A.3	Pavement Line Paint or Painted Pavement Markings, 4-inch Yellow	20,200	LF	\$0.10		\$0.00	7,048.00	\$704.80	\$704.80	\$2,020.00	34.76%
1104.4.1.A.4	Pavement Line Paint or Painted Pavement Markings, 8-inch White	21,030	LF	\$0.20		\$0.00	7,498.00	\$1,499.60	\$1,499.60	\$4,200.00	24.66%
1104.4.1.B.5	Special Pavement Markings	3,330	SF	\$1.70		\$0.00	470.50	\$799.85	\$799.85	\$6,001.00	13.33%
1104.4.1.B.6	Thermoplastic Pavement Markings	972	SF	\$11.00		\$0.00	357.00	\$4,127.00	\$4,127.00	\$4,288.00	96.27%
1104.4.1.B.2	Modified Thermoplastic Dotted Wide Line, 12-Inch Wide, 30-Inch Long, 30-Inch Gaps	70	LF	\$9.25		\$0.00	71.00	\$657.50	\$657.50	\$847.50	77.59%
1104.4.1.B.3	Modified Thermoplastic Wide Line, 12-Inch Wide (See Roundabout Detail)	433	LF	\$7.45		\$0.00	440.50	\$3,280.24	\$3,280.24	\$3,225.85	101.03%
1104.4.1.B.4	Modified Thermoplastic Yellow Edge Line, 6-Inch Wide (See Roundabout Detail)	412	LF	\$4.25		\$0.00	340.00	\$1,470.00	\$1,470.00	\$1,702.20	86.32%
1104.4.1.B.5	Thermoplastic White Edge Line, 4-Inch Wide (See Roundabout Detail)	605	LF	\$4.25		\$0.00	477.00	\$2,027.25	\$2,027.25	\$2,140.25	94.69%
1105.4.1.A.1	Permanent Signage	327	SF	\$10.20		\$0.00	0.00	\$0.00	\$0.00	\$3,335.40	0.00%
1105.4.1.C.2	Steel Sign Posts	50	EA	\$384.00	14.00	\$5,510.00	45.00	\$17,730.00	\$17,730.00	\$10,700.00	60.40%
1105.4.1.E.1	Reset Sign and Post	45	EA	\$114.00	33.00	\$3,702.00	39.00	\$4,440.00	\$4,440.00	\$5,130.00	86.37%
DIVISION 2000 - MISCELLANEOUS											
2010.4.1.A.1	Mobilization	1	LS	\$165,000.00		\$0.00	1.00	\$165,000.00	\$165,000.00	\$165,000.00	100.00%
2030.4.1.A.1	Manhole, Adjust to Grade	89	EA	\$620.00	31.00	\$10,400.00	82.00	\$32,552.00	\$32,552.00	\$30,934.00	88.14%
2030.4.1.B.1	Storm Water Structure, Dry Well, Adjust to Grade	5	EA	\$597.00	4.00	\$2,388.00	6.00	\$3,402.00	\$3,402.00	\$3,402.00	100.00%
2030.4.1.C.1	Valve Box, Adjust to Grade	84	EA	\$284.00	56.00	\$15,804.00	78.00	\$21,984.00	\$21,984.00	\$23,850.00	92.19%
SPECIAL PROVISIONS											
SP-2100	Construction Coordination, Scheduling, Phasing, Staging & Sticking	1	LS	\$102,000.00	0.15	\$15,300.00	1.00	\$103,000.00	\$103,000.00	\$103,000.00	100.00%
SP-2210	Storm Water Pollution Prevention Plan Management	1	LS	\$10,000.00	0.08	\$1,352.00	0.95	\$10,074.00	\$10,074.00	\$10,020.00	99.60%
SP-3000	Bus Shelter	8	EA	\$11,080.00	3.00	\$33,240.00	8.00	\$88,640.00	\$88,640.00	\$88,040.00	100.00%
SP-3100	Charger Mail Box Unit	5	EA	\$1,870.00	0.00	\$17,730.00	0.00	\$17,730.00	\$17,730.00	\$15,700.00	112.55%
SP-3200	Retaining Walls (Gravity Block Wall Under 3-foot Tall)	453	LF	\$103.00		\$0.00	304.22	\$37,514.60	\$37,514.60	\$40,050.00	80.49%
CHANGE ORDERS											
CO1	Straight Line Measurement Method (Spec Change, No Cost)	0.00	EA	\$0.00		\$0.00		\$0.00	\$0.00	\$0.00	
CO2	Half-Inch HMA Mix for Driveways (Spec Change for Bid Item 810.4.1.A.3, No Cost)	0.00	SY	\$0.00		\$0.00		\$0.00	\$0.00	\$0.00	
CO3	Concrete Slab Side Adjustment from Approved Plan (Increases Bid Item 706.4.1.E.1)	-21.50	SY	\$31.85		\$0.00		\$0.00	\$0.00	\$684.78	
CO4	Remove Bid Item 601.4.1.A.19 - 8" Storm Drain Covers	-10.00	LF	\$200.00		\$0.00		\$0.00	\$0.00	\$2,000.00	
CO5	Add Paved Driveway of 16'x30' RL (Increases Bid Item 810.4.1.A.3 - 1/2" HMA Pavement)	8.07	SY	\$37.05		\$0.00		\$0.00	\$0.00	\$297.12	
CO6	Change Plan Cell-Out Stations for Removal of Blumious Surface on Sheet C-502	-33.75	SY	\$1.20		\$0.00		\$0.00	\$0.00	\$40.50	
CO7	Divert Removal (Additional Work)	-120.00	LF	\$4.61		\$0.00		\$0.00	\$0.00	\$553.80	
CO8	Irrigation System (Additional Work)	0.00	LS	\$201,735.74	0.48	\$92,788.44	0.95	\$183,660.31	\$183,660.31	\$201,735.74	90.62%
CO9	Manual Drain Valve & Assembly Pits (Additional Work)	0.00	EA	\$385.60		\$0.00		\$0.00	\$0.00	\$1,828.00	
CO10	Additional Concrete Spec Changes	0.00	EA	\$0.00		\$0.00		\$0.00	\$0.00	\$0.00	
CO11	Obviate Striping (Additional Work)	1.00	LS	\$5,250.00	1.00	\$5,250.00	1.00	\$5,250.00	\$5,250.00	\$5,250.00	100.00%
CO12	Field Fit Culverts (Additional Work)	1.00	LS	\$1,134.81		\$0.00	1.00	\$1,134.81	\$1,134.81	\$1,134.81	100.00%
CO13	Lower Manholes (Additional Work)	1.00	EA	\$873.00		\$0.00	2.00	\$2,020.80	\$2,020.80	\$4,388.00	80.02%
CO14	Install Manhole Enclosures (Additional Work)	3.00	EA	\$494.25	2.00	\$808.50	2.00	\$808.50	\$808.50	\$1,212.75	80.67%
CO15A	Additional Excavation (Additional Work)	-177.00	CY	\$8,002.50		\$0.00	165.75	\$1,435.81	\$1,435.81	\$1,533.20	93.67%
CO15B	Additional Excavation (Increases Bid Items, Will Actually Be Paid Via Overrun of Unit Bid Items)	1.00	LS	\$4,530.50		\$0.00		\$0.00	\$0.00	\$4,530.50	
CO16	Change Concrete Spec	0.00	EA	\$0.00		\$0.00		\$0.00	\$0.00	\$0.00	
CO17	Install Slotted Grates (Additional Work)	0.00	EA	\$57.75	1.00	\$57.75	3.00	\$173.25	\$173.25	\$173.25	100.00%
CO18	Concrete Slabs (Additional Work)	2.00	EA	\$157.50	1.00	\$157.50	2.00	\$315.00	\$315.00	\$315.00	100.00%
CO19	Additional Asphalt (Increases Bid Items, To Be Paid Via Overrun of Unit Bid Items)	1.00	LS	\$20,300.00		\$0.00		\$0.00	\$0.00	\$20,300.00	
CO20	Additional Asphalt (Increases Bid Items, To Be Paid Via Overrun of Unit Bid Items)	1.00	LS	\$3,780.00		\$0.00		\$0.00	\$0.00	\$3,780.00	
CO21	Concrete Coloring	1.00	LS	\$4,500.00	1.00	\$4,500.00	1.00	\$4,500.00	\$4,500.00	\$4,500.00	100.00%
CO22	Driveway Repairs (Alters Driveway Material, To Be Paid Via Bid Items)	1.00	LS	\$1,531.20		\$0.00		\$0.00	\$0.00	\$1,531.20	
CO23	Reinforcing Wall (Increases Bid Items, To Be Paid Via Overrun of Unit Bid Items)	1.00	LF	\$103.00		\$0.00		\$0.00	\$0.00	\$103.00	
CO24	Additional Slope Work (Additional Work)	1.00	LS	\$22,505.10	1.00	\$22,505.10	1.00	\$22,505.10	\$22,505.10	\$22,505.10	100.00%
CO25	Soil & Seed Revegetation (Alters Landscape City, To Be Paid Via Bid Items)	1.00	LS	\$15,885.10		\$0.00		\$0.00	\$0.00	\$15,885.10	
CO26	Foundation Pad (Additional Work)	0.00	EA	\$444.00		\$0.00		\$0.00	\$0.00	\$3,900.00	
CO27	Additional Time (No Cost Change)	0.00	EA	\$0.00		\$0.00		\$0.00	\$0.00	\$0.00	
CO28	Paver Steps (Additional Work)	12.00	LF	\$75.00		\$0.00		\$0.00	\$0.00	\$900.00	
CO29	Driveway Strips (Increases Bid Items, To Be Paid Via Overrun of Unit Bid Items)	1.00	LS	\$1,897.25		\$0.00		\$0.00	\$0.00	\$1,897.25	
CO30						\$0.00		\$0.00	\$0.00	\$0.00	
TOTALS											
TOTAL:						\$21,723.10		\$4,084,102.05	\$4,084,102.05	\$4,507,246.03	90.81%

	PAY REQUEST #6	TOTAL
5% RETAINAGE OF TOTAL:	\$10,861.55	\$204,208.15
TOTAL ELIGIBLE FOR PAYMENT THIS ESTIMATE:	\$10,752.90	\$225,302.33
	\$3,870,954.80	\$4,281,884.28

Contractor's Application for Payment No.

Application Period:	Application Date:
From (Contractor):	Via (Engineer):
Contract Date:	Engineer's Project No.:
Contractor's Project No.:	
Owner's Contract No.:	

**Application For Payment
 Change Order Summary**

Number	Addition	Deduction	Number	Addition	Deduction
CO1	\$500.00		CO16	\$500.00	
CO2	\$500.00		CO17	\$500.00	
CO3	\$500.00		CO18	\$500.00	
CO4	\$500.00		CO19	\$500.00	
CO5	\$500.00		CO20	\$500.00	
CO6	\$500.00		CO21	\$500.00	
CO7	\$500.00		CO22	\$500.00	
CO8	\$500.00		CO23	\$500.00	
CO9	\$500.00		CO24	\$500.00	
CO10	\$500.00		CO25	\$500.00	
CO11	\$500.00		CO26	\$500.00	
CO12	\$500.00		CO27	\$500.00	
CO13	\$500.00		CO28	\$500.00	
CO14	\$500.00		CO29	\$500.00	
CO15	\$500.00		CO30	\$500.00	
TOTALS			DEDUCTIONS		
NET CHANGE BY CO			DEDUCTIONS		\$45,283.58
			ADDITIONS		\$319,646.16
			TOTALS		\$74,362.58

1. ORIGINAL CONTRACT PRICE..... \$ 54,232,884.95
2. Net change by Change Orders..... \$ 274,362.58
3. Current Contract Price (Line 1 + 2)..... \$ 54,507,247.53
4. TOTAL COMPLETED AND STORED TO DATE
 ("Total Contract Cost to Date" Column on Worksheet)..... \$ 4,084,162.95
5. RETAINAGE:
 - a. 5% X \$4,084,162.95 Work Completed..... \$ 204,208.15
 - b. 10% X \$0.00 Stored Material..... \$ 0.00
 - c. Total Retainage (Line 5a + Line 5b)..... \$ 204,208.15
6. AMOUNT ELIGIBLE TO DATE (Line 4 - Line 5c)..... \$ 51,879,954.80
7. LESS PREVIOUS PAYMENTS (Line 6 from prior Application)..... \$ 43,306,637.75
8. AMOUNT DUE THIS APPLICATION..... \$ 8875,637.01
9. BALANCE TO FINISH, PLUS RETAINAGE
 (Current Contract Price - Total Completed & Stored + Retainage)..... \$ 5,627,291.83

Payment of: \$ 8875,637.01
 (Line 8 or other - attach explanation of the other amount)

is recommended by: *[Signature]* 12/7/2012
 (Engineer) (Date)

Payment of: \$ _____
 (Line 8 or other - attach explanation of the other amount)

Contractor's Certification
 The undersigned Contractor certifies that to the best of its knowledge: (1) all previous progress payments received from Owner on account of Work done under the Contract have been applied on account to discharge Contractor's legitimate obligations incurred in connection with Work covered by prior Applications for Payment; (2) title of all Work, materials and equipment incorporated in said Work or otherwise listed in or covered by this Application for Payment will pass to Owner at time of payment free and clear of all Liens, security interests and encumbrances (except such as are covered by a Bond acceptable to Owner indemnifying Owner against any such Liens, security interests, encumbrances and (3) all Work covered by this Application for Payment is in accordance with the Contract Documents and not defective.

By: *[Signature]* Date: 12-7-12

