

MOUNTAIN HOME HIGHWAY DISTRICT

IDAHO FREIGHT PROGRAM

FREIGHT PROGRAM PROJECT APPLICATION

SIMCO ROAD
REHABILITATION PROJECT
PHASE II



T.O. ENGINEERS





***Your Safety.
Your Mobility.
Your Economic Opportunity.***

Projects selected for freight formula funds require a minimum of 7.73% match for interstate projects and 7.34% match for projects not on an interstate.

The application form should be saved electronically and then transmitted to the Department to include all supporting maps, letters and other documents which should be saved as a pdf and transmitted with the application form. If the file size of any or all of the attachments exceeds e-mail transmittal capabilities (15MB), files may be saved to either a disc or thumb drive and submitted via FedEx/UPS delivery. All postal mail is to be sent to the following address:

Idaho Transportation Department
Attn: Jeff Marker (HQ – Mobility Services)
P.O. Box 7129
Boise, Id. 83707-1129

Applicant Information

Applicant: Mountain Home Highway District

Mailing Address: PO Box 756

City: Mountain Home

State: Idaho

Zip Code: 83647

Contact person: Penny Meyers

Title: District Administrator

Phone: (208) 587-3211

Email: pmeyers2@mindspring.com

Co-Applicant (if different from Applicant):

Mailing Address:

City:

State:

Zip Code:

Contact Person:

Title:

Phone:

Email:

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EXHIBIT A

PROJECT DETAILS & VICINITY MAP

SIMCO ROAD REHABILITATION PROJECT PHASE II

MOUNTAIN HOME HIGHWAY DISTRICT

This project, sponsored by the Mountain Home Highway District, will rehabilitate Simco Road (STC-3805) from MP 104.5 to 110.1. The project extent is approximately 5.5 miles, beginning at a cattle guard (MP104.5), and terminates at the intersection of Simco Road and a local access (MP110.1). This 5.5 mile section of rural roadway will be rehabilitated and overlaid with asphalt. All construction will adhere to current roadway standards.

Presently, Simco Road is classified as a Rural Major Collector with direct access to HWY 67 to the south and I-84 to the north. The road is a well-traveled route for trucks carrying waste to the regional landfill, recycling center, cattle from the Simplot CAFO near Grandview to the new Simplot beef processing plant near Kuna, and the US Ecology waste site northwest of Grand View. In addition, truck loads from local farms contribute to the truck traffic volume.

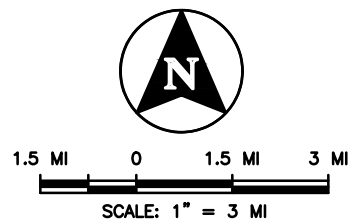
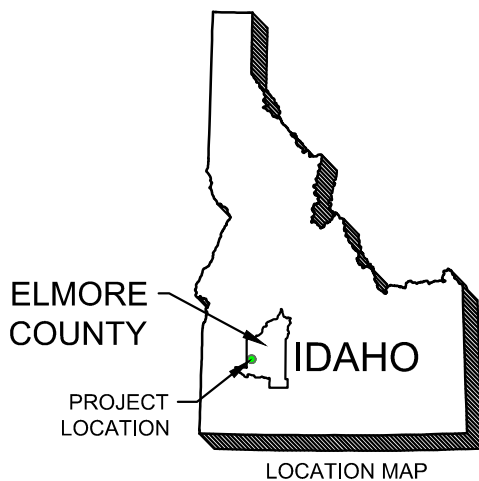
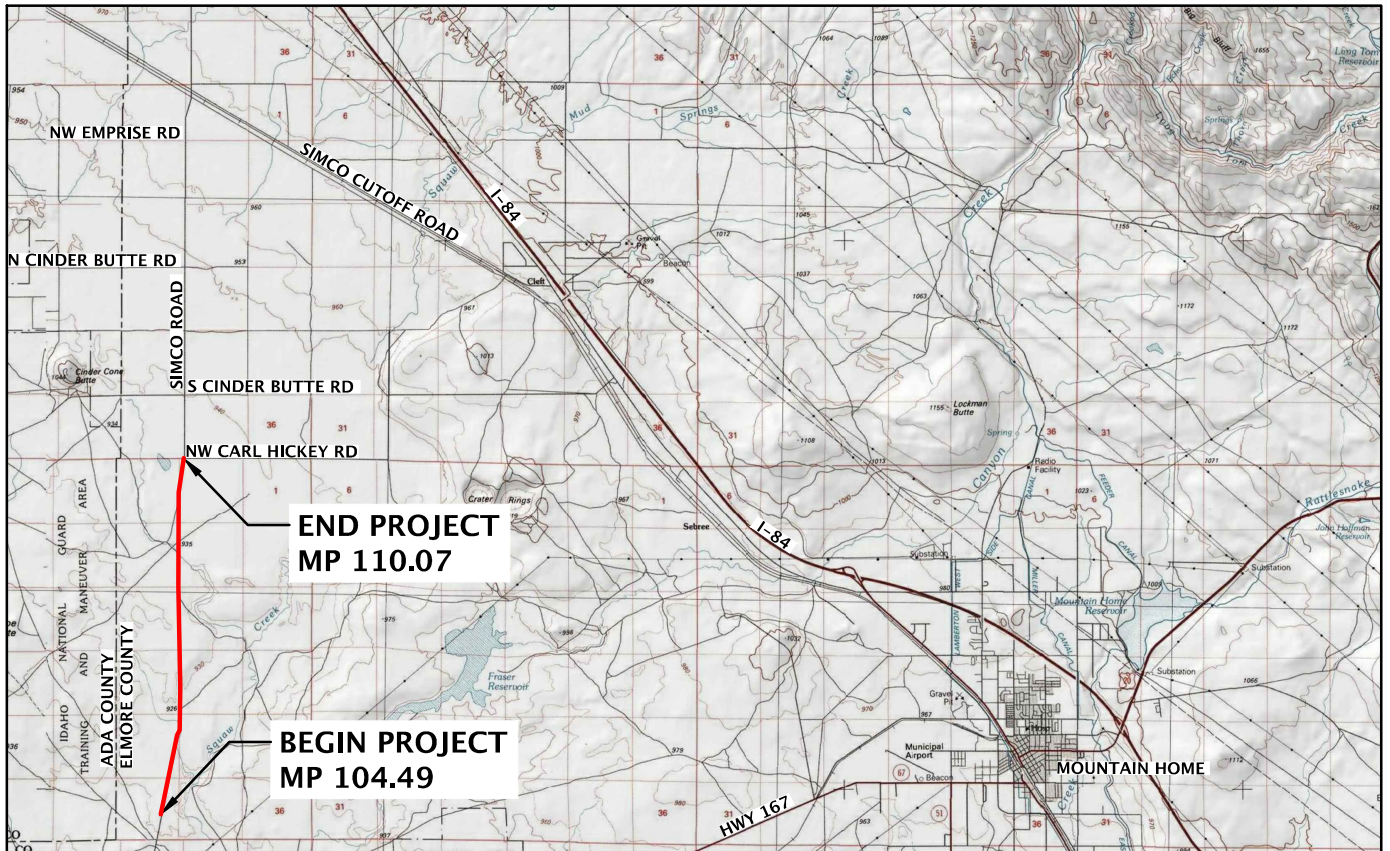
Simco Road has extensive fatigue cracking and rutting in the northbound and southbound lanes. Mountain Home Highway District has worked hard to preserve the roadway by placing maintenance patching as needed. Prior to paving in 2004, this section of the road did not have significant base course work performed prior to paving. Paving of Simco Road was designed and constructed by US Ecology. This section of road has an ADT of 1,496 vehicles per day, 50% of which is heavy truck traffic (this traffic count was done prior to the newly opened Simplot beef processing plant). The heavy truck traffic, compounded with local traffic, has significantly deteriorated the pavement.

To rehabilitate this section of roadway a significant financial investment will be required and federal funds will be a great asset to accomplish this goal. Rehabilitation costs are a burden Mountain Home Highway District cannot bear on its own.



VICINITY MAP

SIMCO ROAD REHABILITATION PROJECT, PHASE II
SIMCO ROAD, ELMORE COUNTY



T-O ENGINEERS

2471 S. TITANIUM PLACE
MERIDIAN, IDAHO 83642-6703

PHONE: (208) 323-2288

FAX: (208) 323-2399

E-FILE: G:\160076\Acaddwg\Sheets\VicinityMap.dwg

DATE: AUG. 2017

JOB: 160076

EXHIBIT B

PROJECT COST ESTIMATE

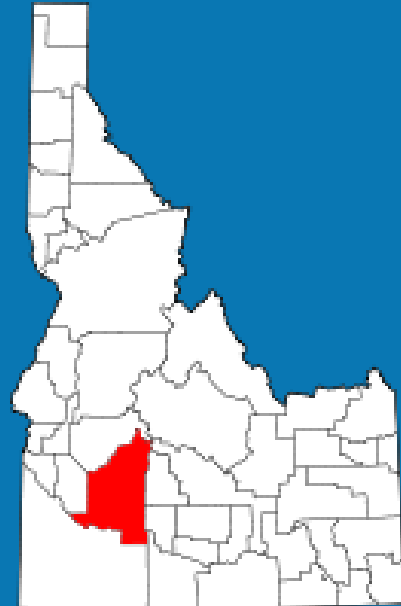
SIMCO ROAD REHABILITATION PROJECT PHASE II COST ESTIMATE

MOUNTAIN HOME HIGHWAY DISTRICT

The Simco Road Rehabilitation Project Phase II sponsored by Mountain Home Highway District will have a project match of 7.34%, as this project will rehabilitate Simco Road, a local road located in western Elmore County. Project matching will be made by Mountain Home Highway District with funds generated by the District.

Simco Road Rehabilitation Project Phase I is awaiting Surface Transportation Program - Rural (STP-R) programming and funding. Programming is expected to place the phase I project on the FY2019-2023 Idaho Transportation Investment Program (ITIP). Ideally, this phase II project would be supported and granted funding allowing the two projects to be companioned and programmed for the same design and construction years. This would provide significant cost savings for both projects as engineering and construction would benefit from economy of scale and would reduce administration and mobilization costs.

The project is not anticipated to require any additional right-of-way and the environmental process for the project has not started. Costs associated with administration and environmental requirements are included in the Design Engineering line item, in the attached project cost estimate. The assumptions used in this estimate indicate a total project cost of \$2.6 million, of which Mountain Home Highway District will be responsible for approximately \$191,000.



Agency: Mountain Home HD
 Roadway: Simco Road
 Project: Simco Road Rehabilitation Project, Phase II
 Date: August 21, 2017

PARAMETERS

	Total/Ave	Section	Ballast	End Area	Base Width	Volume
Begin Const. MP	104.500	TOTAL Ballast Section	0.75	24.95	ft	cy
End Const. MP	110.000	Surfacing Mix (PMX/CMX)	0.25	6.50	26.00	6,991
Length (mi)	5.500	Shoulders	0.25	1.27	6.17	1,368
Length (ft)	29,040	PMX & Shoulder			32.17	
Surface Width (ft)	26.00	Base	0.50	17.17	36.52	18,471
Shoulder Width (ft)	2.00	Subbase	-	-	36.52	-
Lanes	2.00	Average Ex/Emb Depth	-	-	36.52	-

Crown Slope (%)	2.00%
Foreslope (X:1)	4.0

QUANTITY ESTIMATES

Materials	Estimating Data	Quantity	Units	Unit Cost	Total Cost		
PMX/CMX	145 #/cf	13,685	ton	\$ 60.00	\$ 821,106.00		
Rotomilling/Reclaiming (y/n)	y	83,893	sy	\$ 2.00	\$ 167,786.67		
Cement/Asphalt Treatment	of base	-	ton		\$ -		
BST AC-1st Lift	gal/sy	-	ton		\$ -		
BST Cover Coat-1st Lift	#/sy	-	ton		\$ -		
BST AC-2nd Lift	gal/sy	-	ton		\$ -		
BST Cover Coat-2nd Lift	#/sy	-	ton		\$ -		
BST AC-3rd Lift	gal/sy	-	ton		\$ -		
BST Cover Coat-3rd Lift	#/sy	-	ton		\$ -		
Shoulder Material	135 #/cf	2,493	ton	\$ 20.00	\$ 49,857.26		
3/4"(-) for Base	135 #/cf	33,664	ton	\$ 20.00	\$ 673,286.09	Surfacing	\$ 1,038,749.93
Granular SubBase	130 #/cf	-	ton	\$ 15.00	\$ -		
Excavation/Borrow		-	cy	\$ 10.00	\$ -	Ballast	\$ 673,286.09
CRS-2R for Seal	gal/sy	-	ton	\$ -	\$ -		
Cover Coat-CI 4	#/sy	-	ton	\$ -	\$ -		
Rejects for Maint.	#/sy	-	ton	\$ -	\$ -		
CSS-1 for fog	gal/sy	-	ton	\$ -	\$ -		
Major Items Total					\$ 1,712,036.01	\$ 1,712,036.01	

Miscellaneous Items	Estimating Data	Quantity	Units	Unit Cost	Total Cost		
Dust Abatement Water	10,000 gal/mi	55.00	MG	\$ 40.00	\$ 2,200.00		
Brooming	- mi/mi	-	mi	\$ -	\$ -		
Approaches	3 ea/mi	17	ea	\$ 800.00	\$ 13,200.00		
R/W	ft/ft	-	ac	\$ -	\$ -		
Metal Guardrail	ft/mi	-	ft	\$ -	\$ -		
Terminal End Section	ea/mi	-	ea	\$ -	\$ -		
Fence	- mi/mi	-	ft	\$ -	\$ -		
Rent Tubular Markers	55 ea/mi	907.50	ea	\$ 8.00	\$ 7,260.00		
Rent Signs-CI B	50 sf/mi	275.00	sf	\$ 12.00	\$ 3,300.00		
Temp Stripe-White	ft/lane-mi	-	ft	\$ -	\$ -		
Temp Stripe-Yellow	2,323 ft/lane-mi	25,555.20	ft	\$ 1.00	\$ 25,555.20		
Traffic Control Maintenance	25 hr/mi	137.50	hr	\$ 40.00	\$ 5,500.00		
Temp Raised Markers	ea/lane-mi	-	ea	\$ -	\$ -		
Flagging	100 hr/mi	550.00	hr	\$ 40.00	\$ 22,000.00		
Pilot Car	50 hr/mi	275.00	hr	\$ 60.00	\$ 16,500.00		
Erosion Control	1,000 \$ per/mile	1	ls	\$ 5,500.00	\$ 5,500.00		
Permanent Signs	- sf/mi	-	sf	\$ 24.00	\$ -		
Pavement Markings	3,960 sf/mi	21,780.00	sf	\$ 0.50	\$ 10,890.00		
Acceptance Test Strip	1 ea	1	ea	\$ 4,000.00	\$ 4,000.00		
Culverts	1 ea/mi	6	ea	\$ 3,000.00	\$ 16,500.00		
Seeding	- ft/ft	-	ac	\$ 100.00	\$ -		
Bridge	ea/mi	-	ea	\$ -	\$ -		
Misc Items Total					\$ 132,405.20		

Sub-Total		\$ 1,844,441.21
Design Engineering @	20%	\$ 368,888.24
Mobilization @	10%	\$ 184,444.12
Constr. Engr. & Cont. @	10%	\$ 202,888.53
Total Project Cost =		\$ 2,600,662.11
MHHD Match @	7.34%	\$ 190,888.60
Cost/Mile		\$ 472,847.66

Surfacing Cost	\$ 1,577,909.32
Ballast Cost	\$ 1,022,752.79
Total	\$ 2,600,662.11
cost/mi-ft (width)	\$ 15,761.59

EXHIBIT C

ECONOMIC & MOBILITY IMPROVEMENT DETAILS

SIMCO ROAD REHABILITATION PROJECT PHASE II ECONOMIC & MOBILITY IMPROVEMENT DETAILS

MOUNTAIN HOME HIGHWAY DISTRICT

The Simco Road Rehabilitation Project Phase II sponsored by Mountain Home is a 5.5 miles section of rural roadway that will be rehabilitated and overlaid with asphalt. The extensive cracking and rutting is a safety concern and is becoming dangerous to the traveling public. Despite Mountain Home Highway District's maintenance efforts, the road is now in need of rehabilitation to improve safety and ride quality for all roadway users.

Today, Simco Road is a well-traveled route for many reasons. The corridor connects State Highway 167 to Interstate 84, connects Mountain Home Air Force Base to the Treasure Valley, and provides access and mobility for operations that include but are not limited to the regional landfill and recycling center, Simplot Concentrated Animal Feeding Operation, Simplot beef processing plant, and the US Ecology Waste Site. The road, as a result, receives roughly 1,496 vehicles per day, 50% of which is heavy truck traffic. This traffic information was collected before the Simplot beef processing plant began operations. With a 1 to 1 split on freight versus non-freight traffic, it is easy to see why the road is now requiring rehabilitation.

In 1994 Simco Road started the process of being converted from a gravel road to a paved surface. This upgrade provided a significant economic impact to the community as described in the US Ecology letter of support. US Ecology at the time was the primary beneficiary of the project which if we now fast forward today has created economic opportunity for new business serviced by the route. Once again the time has come for improvement to be made to Simco Road; however, this time around the improvement will benefit a wider range of users and industries with the hope of continued economic growth for the region, as seen with the last improvements made to Simco Road. The roadway



rehabilitation project will significantly improve ride quality which in turn increases travel time, reduces vehicle maintenance, reduces roadway construction and maintenance, and provides better satisfaction to roadway users.

Mountain Home Highway District has made Simco Road a priority for safety. Currently the Highway District is letting a contract to install delineators the entire length of the corridor to help with the significant amount of lane departures on the road. Accident data provided on the Local Highway Technical Assistance Council's website for the last five years of available data on the Simco Road corridor has a total of 20 accidents. The accidents include two fatalities, four A Injury accidents, three B Injury accidents, two C Injury accidents, and nine Property Damage accidents. The vast majority of these accidents are lane departure accidents. During design these lane departures will be analyzed and roadway geometry will be evaluated for safety. The current roadway setting is rural desert with long straight of ways in the middle section and curves leading up to the connections with the State Highway System. Curves located within the project will be evaluated for geometry, specifically for super elevation corrections and/or increased horizontal radius.

This project is not located on the National Highway Freight Network or is the route currently listed as one of Idaho's critical rural freight corridors. However, Simco Road is highly recommended to be included as one of Idaho's critical rural freight corridors given the range of industries served by the route, the connection provided between SH-167 and I-84, the existing listing as a 129k route, and the connection it provides between the Treasure Valley and Mountain Home Air Force Base.

EXHIBIT D

LETTERS OF SUPPORT



August 15, 2017

To Whom it May Concern:

The JR Simplot Company and Caviness Beef have joined to open CS Beef Packers, a state of the art processing plant in Idaho that has the ability to harvest 1700 head of livestock a day. With the opening of the plant, livestock head count will push the Grand View feedlot close to capacity of 150,000 head. This increase will double feed commodities that will come into the feedlot. Simplot Land & Livestock will be increasing the semi fleet of 30 semi-trucks to 40 that will travel Simco Road daily. Each truck will travel Simco Road at least twice daily to transport cattle, feed products and equipment from all around the Northwest. If Simco Road is not accessible it adds additional miles resulting in an substantial fuel expenses and also adversely affects the livestock that is transported unnecessary extra miles. Simco Road is also traveled daily by several of our employees.

In addition to the JR Simplot Company equipment, other outside companies also use Simco Road to deliver our products. There is four outside companies that travel Simco Road daily. With the meat plant and feed commodities there is an extra 16-20 trips daily and up to 90 trips weekly.

Having partnered with another large company in the Grand View area to have Simco Road developed, it is in our best interest to have this road upgraded so that not only our companies may benefit from it, but also all the community members and a branch of our military may have access to this connecting corridor to the Treasure Valley and Pacific Northwest.

Simplot Land & Livestock has a strong culture of Safety and being able avoid high traffic areas by using Simco Road decreases the chances of motor vehicle accidents involving semi-trucks.

Simplot Land & Livestock is 100% backing the Mountain Home Highway District on the upgrade of Simco Road.

Sincerely,

Tom Basabe
President
Simplot Land & Livestock Company





P.O. Box 400, Grand View, ID 83624
P 800.274.1516 F 208.834.2919

August 18, 2017

To Whom It May Concern:

US Ecology Idaho is the largest private employer in Owyhee County and annually provides an estimated impact in excess of \$20 million to the local community. The successful operation of the business in Owyhee County is tied to the operation of US Ecology's Rail Transfer Facility located off Simco Road in Elmore County. The two facilities are separated by 35 miles of highway that are used to move large volumes of material and make rail transportation a competitive service offering for US Ecology customers which are located all across North America. A large portion of the route includes the stretch of Simco Road from the UP Railroad south to Highway 167.

US Ecology and others have invested much time and resources into the development and maintenance of Simco Road including a collaborative effort with the Mountain Home Highway District to upgrade Simco Road, contract and conduct repairs on Simco Road, and sponsor and pass legislation to dedicate a small portion of US Ecology tipping fees to the Mountain Home Highway District and the Idaho Transportation Department for use on the corridor between the US Ecology facilities.

Since the upgrade in 1994, many residential and commercial properties have been developed along Simco Road and the residents of the small community of Grand View enjoy the use of the road as a more efficient access to the services and offerings of the Treasure Valley.

US Ecology obviously has a large interest in the maintenance and condition of the road due to continued business use of the corridor between the facilities. We fully support any and every effort to keep Simco Road a safe and efficient route.

Please direct any inquiry to me at Jason Evens 208-834-2275.

Thank you for your consideration.

A handwritten signature in blue ink, appearing to read "JE", located below the typed name.

Jason Evens
General Manager
20400 Lemley Road
Grand View, Idaho 83624

Elmore County Board of Commissioners

Phone (208) 587-2129 Ext. 270

ELMORE COUNTY COURTHOUSE
150 South 4th East Suite #3
Mountain Home, Idaho 83647

Fax (208) 587-2159

Albert Hofer
599-1620

Wesley R. Wootan
599-3131

Franklin L. Corbus
599-1294

August 18, 2017

Mountain Home Highway District
PO Box 756
Mountain Home, ID 83647

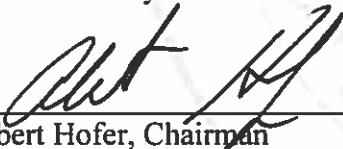
Re: Simco Road Phase II

To Whom it May Concern,

The Elmore County Commissioners fully support the Mountain Home Highway District and the Simco Road Phase II project. The improvements to Simco Road will help to ensure the safety of the roads in the City of Mountain Home by keeping large trucks and large amounts of traffic out of the city. Simco Road is utilized by farmers, delivery trucks, cattle trucks, construction trucks, personnel traveling to and from the Mountain Home Air Force Base and the National Guard. Improvements to the road will ensure that this large amount of traffic will not have to travel through Mountain Home, thus reducing the risk of traffic tie ups and possible accidents. We strongly support the project and the grant funding that will help to make the project possible. Please let us know if we can be of any further assistance.

Sincerely,

Elmore County Board of Commissioners


Albert Hofer, Chairman


Wesley R. Wootan, Commissioner


Franklin L. Corbus, Commissioner



The Elmore Regional Transportation Planning Committee

Luis Lasuen, Chairman
208-587-3211

Penny Meyers, Secretary
208-587-3211

August 15, 2017

To Whom It May Concern:

The Elmore Regional Transportation Planning Committee is writing to you in regards to the Freight Program Project Application for the Mountain Home Highway District.

The Mountain Home Highway District's Simco Road is in need of a 2" milling overlay, the volume has increased a great amount with the commercial properties that have been developed along Simco Road. Safety is The Elmore Regional Transportation Planning Committee main priority, the Committee supports the Simco Road Rehabilitation project.

Sincerely,



Luis Lasuen
Chairman
The Elmore Regional Transportation Committee