

**1500 EAST ROAD  
WEST POINT HIGHWAY DISTRICT  
GOODING COUNTY**



**Idaho Transportation Department  
Freight Program Project Application 2021  
December 1, 2021**



***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.

Submit applications via electronic means to [scott.luekenga@itd.idaho.gov](mailto:scott.luekenga@itd.idaho.gov). When transmitting the application include all supporting maps, letters and other documents, as a pdf. If the file size exceeds e-mail transmittal capabilities (15MB), submit using a thumb drive and send via FedEx/UPS delivery to the following address:

Idaho Transportation Department  
Attn: Scott Luekenga  
HQ – Highway Planning Service  
P.O. Box 7129  
Boise, Id. 83707-1129

### **Applicant Information**

Applicant: West Point Highway District

Mailing Address: P.O. Box 111  
City: Gooding  
State: Idaho  
Zip Code: 83330

Contact person: John McCracken  
Title: Road Superintendent  
Phone: (208) 539-3385  
Email: westpointhd4@gmail.com

Co-Applicant (if different from Applicant):

Mailing Address:  
City:  
State:  
Zip Code:

Contact Person:  
Title:  
Phone:  
Email:

1500 East Road, West Point Highway District, Gooding County

## **CONTENTS**

### **PROJECT SPECIFICS 1 – PROJECT DETAILS**

### **PROJECT SPECIFICS 2 – PROJECT COST ESTIMATE**

### **PROJECT SPECIFICS 3 – SAFETY, ECONOMIC AND MOBILITY IMPROVEMENT DETAILS**

### **PROJECT SPECIFICS 4 – LETTERS OF SUPPORT**

1500 East Road, West Point Highway District, Gooding County

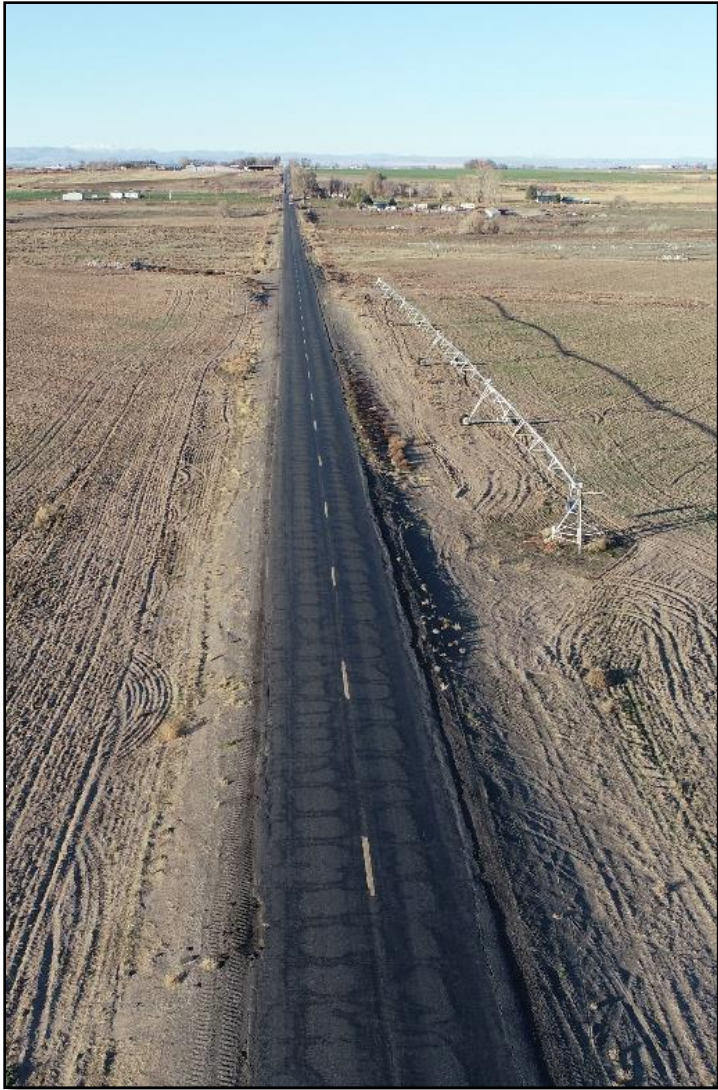
**PROJECT SPECIFICS 1 – PROJECT DETAILS**



# 1500 EAST ROAD WEST POINT HIGHWAY DISTRICT PROJECT DETAILS

This project, sponsored by the West Point Highway District, will rehabilitate 2.0 miles of 1500 East Road (STC-2711), which is functionally classified as a Rural Major Collector. The rehabilitation consists of pulverizing the existing pavement, adding 3/4" aggregate, performing Cement Recycled Asphalt Base Stabilization (CRABS) work to strengthen the base layer, then paving with 4.0 inches of new Plant Mix Pavement from MP 2.77 to 4.77. This is similar to what was recommended for the 2.5 miles of the FY2019 Local Strategic Incentive Rehabilitation.

1500 East Road is the artery at the heart of this heavy farmland area by connecting the Hagerman Highway (2950 South) with the local dairies and farms. As a rural major collector, 1500 East Road directly services over 25,000 acres of farmland and **16 dairies** and is the main north/south commercial trucking corridor in the West Point Highway District.



Due to the size of these dairies, trucks are dependent on 1500 East Road and constantly trucking silage and hay from the fields where feed is stored to the dairies, manure back to the fields, as well as the dairy milk removed twice a day for processing.



1500 East Road, West Point Highway District, Gooding County

1500 East Road has extensive transverse cracking, rutting and edge cracks in both the northbound and southbound lanes. The transverse cracks along this 2.0-mile section of road create bumps, which as trucks bound over each crack/bump, they produce a higher impact loading on the next piece of roadway. These bumps are so bad that on trucks, it will bounce you out of your seat. As commercial trucks drive over these cracks, it can be assumed that they contribute 30% more impact pressure on the roadway creating more cracking. This is similar to bridges where the AASHTO Bridge Design Manual adds a 30% impact factor to bridges. In traffic counts collected between October 27<sup>th</sup> through November 1, 2021, by West Point Highway District, the average daily traffic (ADT) was 757 vehicles and commercial average daily traffic (CADT) was 148 trucks with an average truck percentage of 22%. This impact action has caused the accelerated deterioration of 1500 East Road. An FY 2019 Local Strategic Incentive grant allowed for a 2.5 rehabilitation of the northern section of 1500 East Road which was in the worst condition of the entire 1500 East roadway. This project section, 3400 South to 3600 South, contains the most damaged section of 1500 East.



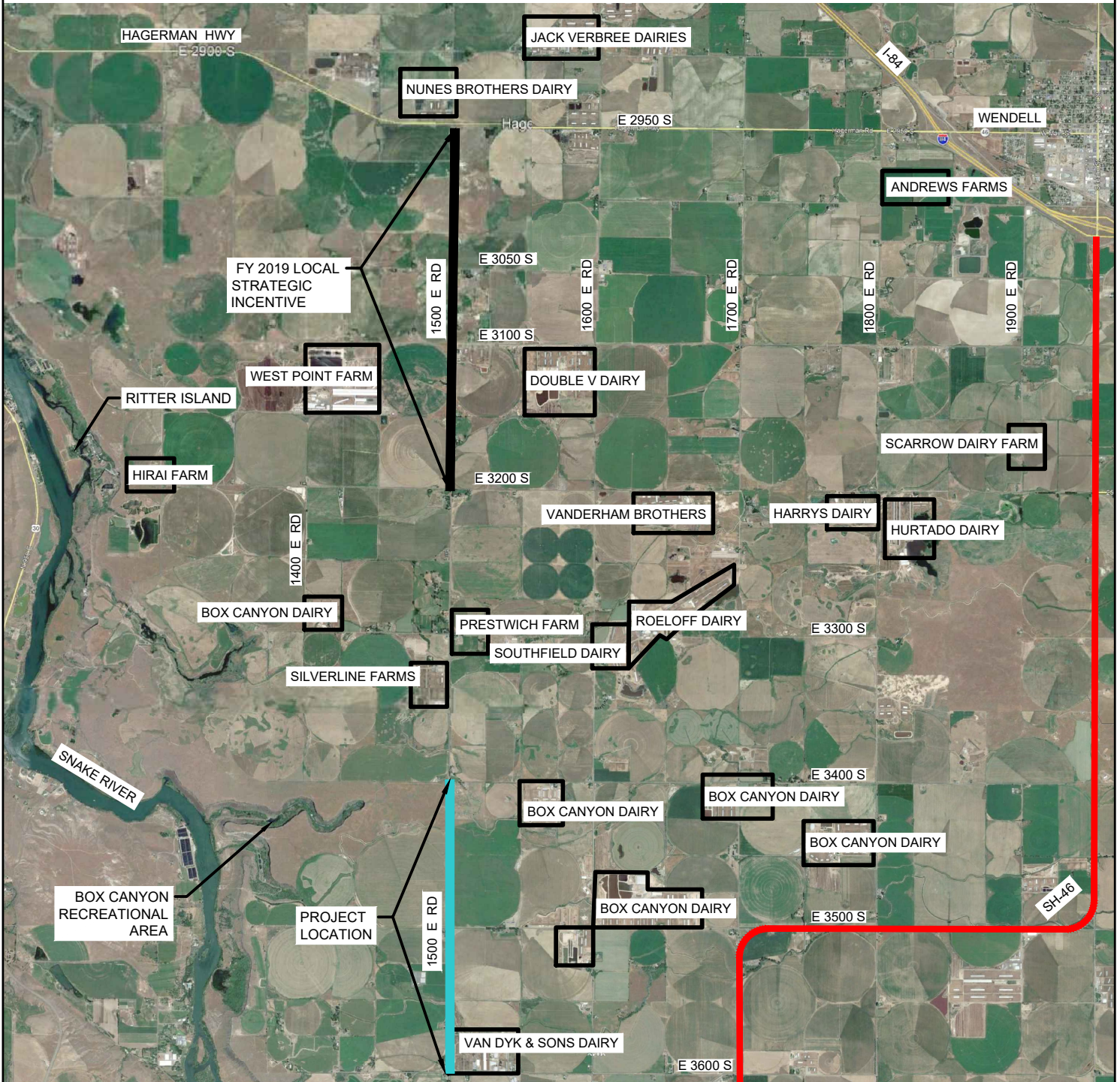
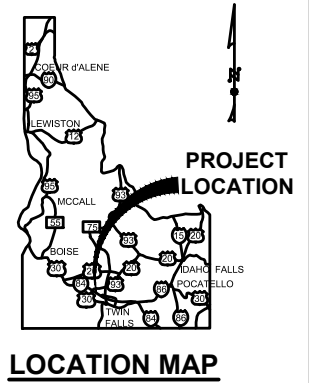
To rehabilitate this section of roadway will require a significant financial investment and federal funds would be a great benefaction to the West Point Highway District. The West Point Highway District has one full-time employee and one part-time employee. This is one of the smallest highway districts in the state and does not have a city/town for tax-based income for their operating budget. The total annual operating budget of the one full time employee West Point Highway District is \$275,600, which is used to maintain 40.5 miles of roadway with little left over for improvements.

It is impossible for West Point to complete this project with its current budget without the support of this grant, but it is most important that 1500 East Road is rehabilitated and improved to ensure the long-term serviceability of the roadway and economic health of the area.





# 1500 E ROAD WEST POINT HIGHWAY DISTRICT FY 2021 ITD FREIGHT APPLICATION



P:\Proposals & Marketing\Marketing\LHTAC Applications\2021 ITD Freight\West Point HD - 1500 E Rd Vicinity Map\2021 ITD Freight\West Point HD - 1500 E Rd Vicinity.dwg 11/29/2021 3:09 PM MASHBY

	1500 E ROAD	PROJECT NO.:
	VICINITY MAP	SHEET NO.

1500 East Road, West Point Highway District, Gooding County

**PROJECT SPECIFICS 2 – PROJECT COST ESTIMATE**

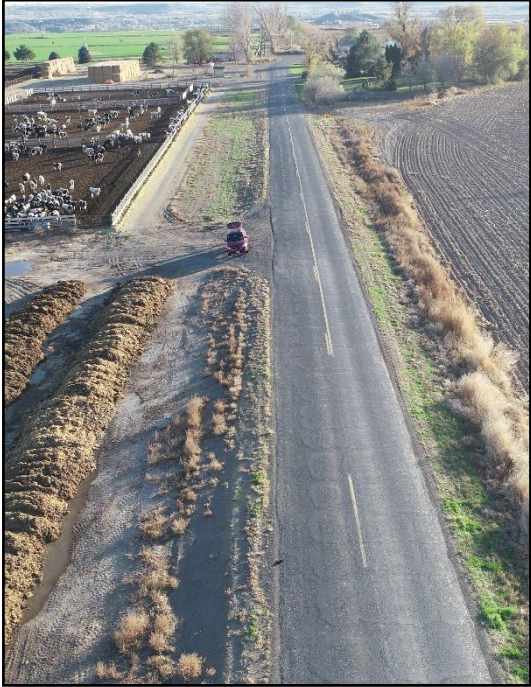


# 1500 EAST ROAD WEST POINT HIGHWAY DISTRICT COST ESTIMATE

The 1500 East Road project, sponsored by West Point Highway District, will rehabilitate 2.0 miles of roadway with an estimated cost under \$3.4 Million. Using the assumptions in the cost estimate, West Point Highway District will have a 7.34% project match of approximately \$245,000. A 30% contingency was included in the cost estimate with the market being a volatile in the last few years and given the length of time between now and the start of the project.

This project is not expected to require any additional right-of-way and the environmental process has not been started. Cost associated with preliminary development and environmental requirements are include within the Preliminary Engineering line items in the attached project cost estimate.

West Point Highway District is requesting a construction year of FY 2028 to allow for the district to save funds for their match. West Point Highway District may also apply to LHTAC programs to assist with their project match.



**1500 E Road fom 3400 S Rd to 3600 Rd  
West Point Highway District**

Item #	Item	Quantity	Units	Unit Price	Estimated Price
205-005A	EXCAVATION	782	CY	\$ 20.00	\$ 15,644.44
205-060A	WATER FOR DUST ABATEMENT	1,400.00	MG	\$ 7.75	\$ 10,850.00
205-071A	EXCAVATION AND REPAIR OF SOFT SPOTS	2,000.00	CY	\$ 75.00	\$ 150,000.00
205-080A	SHOULDER AGGREGATE	3,036.00	TON	\$ 15.00	\$ 45,540.00
205-090A	SHOULDER GRADING	4.00	MILE	\$ 2,500.00	\$ 10,000.00
212-011A	FIBER WATTLE	1,129.00	FT	\$ 3.50	\$ 3,951.50
212-105A	WATER POLLUTION AND EROSION CONTROL	5,000.00	CA	\$ 1.00	\$ 5,000.00
303-022A	3/4" AGGR TY B FOR BASE	6,476.16	TON	\$ 28.00	\$ 181,332.37
308-005A	CEM RECYCLED ASPH BASE STAB	28,160.00	SY	\$ 1.80	\$ 50,688.00
308-010A	PORTLAND CEM	337.92	TON	\$ 195.00	\$ 65,894.40
308-015A	PULVERIZE EXISTING SURF	28,160.00	SY	\$ 1.50	\$ 42,240.00
401-020A	CSS-1 DIL EMUL ASPH FOR TACK COAT	2,393.94	GAL	\$ 4.00	\$ 9,575.75
402-020A	EMUL ASPH FOR PRIME COAT	34.74	TON	\$ 800.00	\$ 27,793.62
402-030A	BLOTTER	1,346.59	TON	\$ 20.00	\$ 26,931.80
405-245A	APPROACH	28.00	EACH	\$ 1,200.00	\$ 33,600.00
405-435A	SUPERPAVE HMA PAV INCL ASPH&ADD CL SP-	7,000.00	TON	\$ 100.00	\$ 700,000.00
431-005A	COLD MILLING	28,160.00	SY	\$ 2.25	\$ 63,360.00
618-025A	STREET MONUMENT	11.00	EACH	\$ 800.00	\$ 8,800.00
626-010A	TEMPORARY TRAFFIC CONTROL SIGNS	1,051.00	SF	\$ 12.00	\$ 12,612.00
626-050A	DRUMS	50.00	EACH	\$ 20.00	\$ 1,000.00
626-100A	MISCELLANEOUS TEMPORARY TRAFFIC CONTROL ITEMS	1.00	LS	\$ 7,500.00	\$ 7,500.00
626-105A	TRAFFIC CONTROL MAINTENANCE	130.00	MNHR	\$ 65.00	\$ 8,450.00
626-120A	FLAGGER CONTROL	720.00	HR	\$ 60.00	\$ 43,200.00
626-135A	WEIGHTED BASE TUBULAR MARKERS	80.00	EACH	\$ 12.00	\$ 960.00
630-025A	LONGITUDINAL PAV MKG-WATERBORNE	36,960.00	FT	\$ 0.20	\$ 7,392.00
675-005A	SURVEY	1.00	LS	\$ 35,000.00	\$ 35,000.00
675-010A	DIRECTED SURVEYING OFFICE COMPUTATIONS	6,000.00	CA	\$ 1.00	\$ 6,000.00
675-015A	DIRECTED SURVEYING CREW	8,000.00	CA	\$ 1.00	\$ 8,000.00
676-005A	RECORD OF EXISTING PAVEMENT MARKINGS	1.00	LS	\$ 2,500.00	\$ 2,500.00
677-005A	RECORD DRAWINGS	1.00	LS	\$ 4,500.00	\$ 4,500.00
S626-41A	PORTABLE TRAFFIC SIGNAL	10.00	DAY	\$ 375.00	\$ 3,750.00
S900-50A	CONTINGENCY AMOUNT - MISCELLANEOUS WORK	10,000.00	CA	\$ 1.00	\$ 10,000.00
S900-50B	CONTINGENCY AMOUNT - MISCELLANEOUS SWPPP ITEMS	10,000.00	CA	\$ 1.00	\$ 10,000.00
				<b>Preliminary Engineering (5%)</b>	<b>\$ 115,000.00</b>
				<b>PE by Consultant (20%)</b>	<b>\$ 461,000.00</b>
				<b>Total Construction Cost</b>	<b>\$ 1,612,000.00</b>
				<b>Moblzation (10%)</b>	<b>\$ 161,000.00</b>
				<b>Contengency (30%)</b>	<b>\$ 532,000.00</b>
				<b>CE&amp;I 20%</b>	<b>\$ 461,000.00</b>
				<b>Total Project Cost</b>	<b>\$ 3,342,000.00</b>



1500 East Road, West Point Highway District, Gooding County

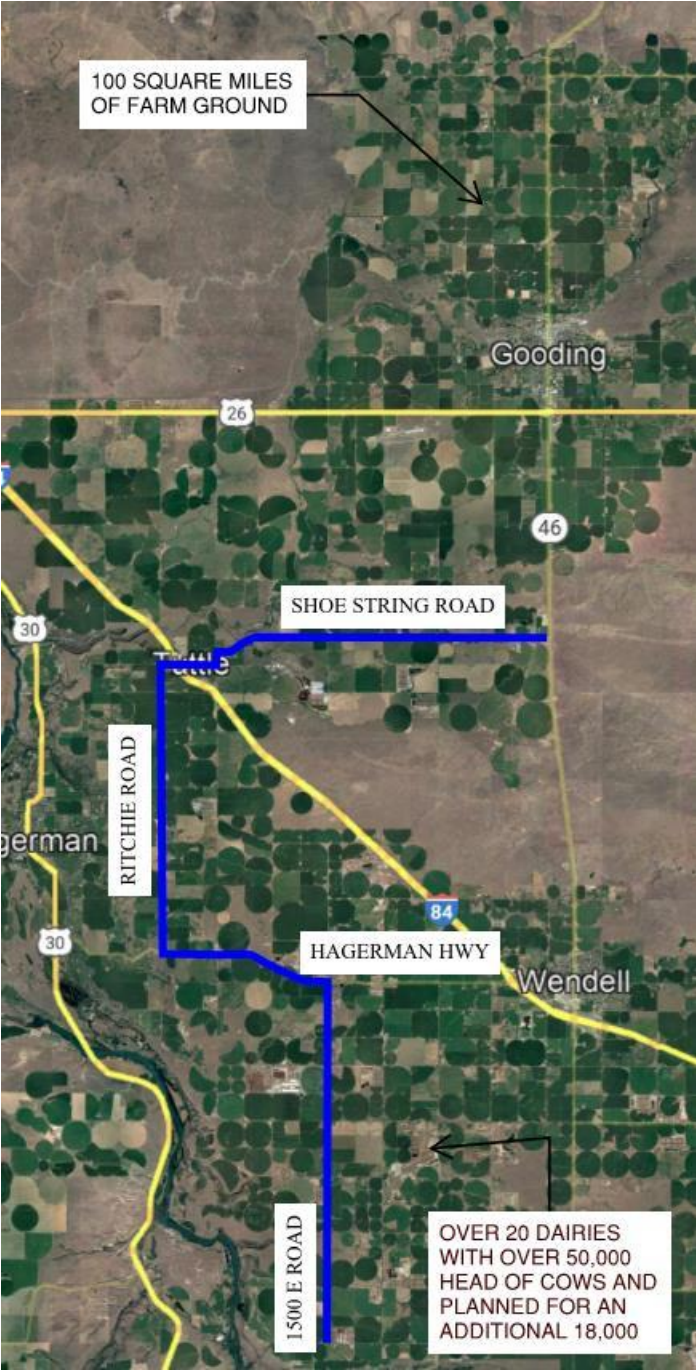
**PROJECT SPECIFICS 3 – SAFETY, ECONOMIC AND  
MOBILITY IMPROVEMENT DETAILS**

# 1500 EAST ROAD WEST POINT HIGHWAY DISTRICT SAFETY, ECONOMIC & MOBILITY IMPROVEMENT DETAILS

The 1500 East Road project, sponsored by West Point Highway District, is a 2.0-mile section of rural roadway that will be rehabilitated and overlaid with asphalt. The extensive transverse cracking, rutting and edge cracks is a safety concern and has become dangerous for freight travelers. Despite West Point Highway District’s best efforts with maintenance, the roadway continues to deteriorate and is in desperate need of rehabilitation before a total reconstruction is required.

### DIRECT ECONOMIC IMPACT

1500 East Road is the main road for approximately 25,000 acres of farmland and 16 dairies. It is estimated that within West Point Highway District’s boundary there is one dairy for every square mile of land. The dairies are primarily located in southern Gooding County and the hay and corn fields that produce silage and hay, which feed the dairy cows, are located in northern Gooding County. The established freight route within Gooding County begins at the southern end of 1500 East Road (this project area) and continues north to the Hagerman Highway, then to Ritchie Road and Shoe String Road. This corridor is the most direct route to move feed daily from the fields in the north to the dairies in the south, and to move manure back to the northern fields. An additional 18,000 head of cows are planned to be added in the next two years which will increase the total population to over 68,000 thus requiring even more heavy trucks on 1500 East Road and within this corridor. 1500 East Road is also used as a shorter route between the Hagerman Highway and State Highway 46 using either 3500 South or 3600 South Roads, as seen by the Project Details vicinity map.



1500 East Road, West Point Highway District, Gooding County

Due to the size of the dairies and the current road condition, trucks are dependent on 1500 East Road for efficient roadway miles. The current roadway requires drivers to slow their speed to reduce the bouncing impact and reduce truck maintenance. By rehabilitating this section of roadway, heavy trucks as well as non-freight traffic, will be able to increase their speeds to the posted speed limit thus reducing the time required to drive from the southern dairies to the northern fields in the County.

The current ADT is 757 vehicles and CADT is 148 trucks. This count was completed by the highway district in a 6-day span. Daily traffic counts are double if not triple during harvest season.

**SAFETY IMPACT - TRAFFIC DATA**

As stated previously, 1500 East Road has extensive transverse cracking, rutting and edge cracks in both travel lanes. Trucks bounding over each crack/bump create more and more cracking thus breaking the asphalt creating the accelerated deterioration of the roadway. This rehabilitation project will significantly improve the ride quality for both freight and non-freight drivers which will in turn increase travel time, reduce roadway construction and maintenance, reduce vehicle maintenance, and provide a safer and enhanced satisfaction to roadway users.



Currently West Point Highway District, along with maintaining its existing roads, is focused on improving safety within the District. Accident data provided on the Local Highway Technical Assistance Council’s website reported that within the 1500 East Road project limits, 3 reported accidents have occurred in the last five years including one class B injury accident in 2018, and two property damage accidents in 2020. Overturn and failure to obey a stop sign were the causes for the class B accident, with alcohol and animal crossing as the causes for the property damage accidents.

This project is not located on the National Highway Freight Network, nor is the route currently listed as one of Idaho’s critical rural freight corridors. However, 1500 East Road is highly recommended to be included as one on the list given the importance of agriculture freight in Idaho and this rural area.



1500 East Road, West Point Highway District, Gooding County

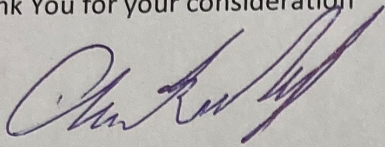
## **PROJECT SPECIFICS 4 – LETTERS OF SUPPORT**



To whom it may concern

The 1500 E is a vital road for the Agriculture Industry. It services approximately 30,000 cows in the vicinity and surrounding area. It is very important to keep this road maintained to its top quality. Portions of this road are in dire need of rehabilitation. I am asking in hopes of a Grant to do these much-needed improvements. My business success and the surrounded farming community rely on this road to deliver feed and commodities as well as milk transport 24 hours a day 365 days a year.

Thank You for your consideration

A handwritten signature in blue ink, appearing to read "Arie Roeloffs". The signature is stylized and cursive.

Arie Roeloffs Riverbend Dairy



# Double V, LLC

1587 E. 3100 S.  
Wendell, ID 83355

Tel/Fax: (208)536-2440

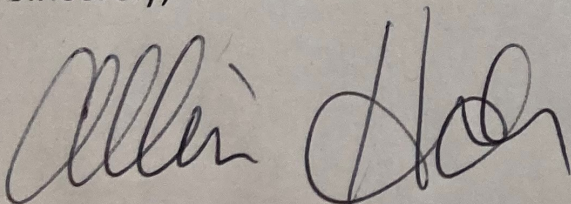
[rvandervegt@filertel.com](mailto:rvandervegt@filertel.com)

November 17, 2021

To whom it may concern,

We own and operate a business (Double V, LLC) that is on the corner of 3100 S. and 1500 E. in Wendell Idaho. The 1500 East road is critical to operating and maintaining our business. We are a dairy and use the road to pick up our milk 2 times a day. We have multiple commodities that are supplied via that road such as hay, straw, corn, cotton seed, beet pulp, canola, etc.... Hospital milk is also picked up 2 times a day and 1500 E. is used for that as well. We use that road to truck cows and heifers. We run a lot of money up and down that road and it is economically vital to our business to have it in good working order.

Sincerely,



Double V, LLC



November 30, 2021

To whom it may concern,

We have lived at 3349 south 1500 East since July 1992. Over the course of years, we have noticed considerably more cars and trucks on our highway. Many cars seem to be using our road more and more from Hagerman, Bliss, Mt. Home and Boise areas to Buhl, Filer, and Jackpot. Since Box Canyon has become one of the places to see in Idaho, there are more and more visitors to that area which again brings more vehicles on our road. They heavy equipment of feed trucks, milk trucks, tractors, and semis etc. has greatly increased over time as well.

We are requesting you to consider repaving our road because of these areas of concern and keeping the 1500 road free of potholes and being a safe road of travel.

Thank you for your attention and consideration to this matter.

Danny and Jeanie Vanderham