

**400 WEST ROAD  
OAKLEY HIGHWAY DISTRICT  
CASSIA 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: Oakley Highway District

Mailing Address: P.O. Box 155  
City: Oakley  
State: Idaho  
Zip Code: 83346

Contact person: Weston Hawkes  
Title: Road Superintendent  
Phone: (208) 312-3465  
Email: [ohd@pmt.org](mailto:ohd@pmt.org)

### **Co-Applicant (if different from Applicant):**

Mailing Address:  
City:  
State:  
Zip Code:

Contact Person:  
Title:  
Phone:  
Email:

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400 West Road, Oakley Highway District, Cassia County

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



## **400 WEST ROAD OAKLEY HIGHWAY DISTRICT PROJECT DETAILS**

This project, sponsored by the Oakley Highway District, will rehabilitate 2.5 miles of 400 West Road (STC-2835), which is functionally classified as a Rural Major Collector. The rehabilitation consists of pulverizing the existing pavement, performing Cement Recycled Asphalt Base Stabilization (CRABS) to strengthen the base layer, then paving with 4.0 inches of new Hot Mix Asphalt from MP 6.00 to 8.50.

400 West Road is the main freight route in the Oakley Highway District as it is used to bypass the City of Burley. The 400 West Road corridor connects US 27 with SH 30 allowing the short cut of those wishing to miss the downtown Burley traffic, pedestrians, and stoplights.

400 West Road connects the dairies, farmlands, and gravel pits in the south to US 30 without going through downtown Burley where traffic slows the commute. Heavy trucks are hauling dairy milk, feed to the dairies, sugar beets, grain and gravel.



400 West Road is designated north-south freight route and Golden Valley Road is designated east-west freight route. These roads are the core freight movement of Oakley Highway District, Cassia County, as well as the Burley Highway District.

Due to the size of these dairies, trucks are dependent on 400 West 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. Gravel trucks are also dependent on 400 West Road as the gravel pits are located south of Golden Valley Road and south near the city Oakley.

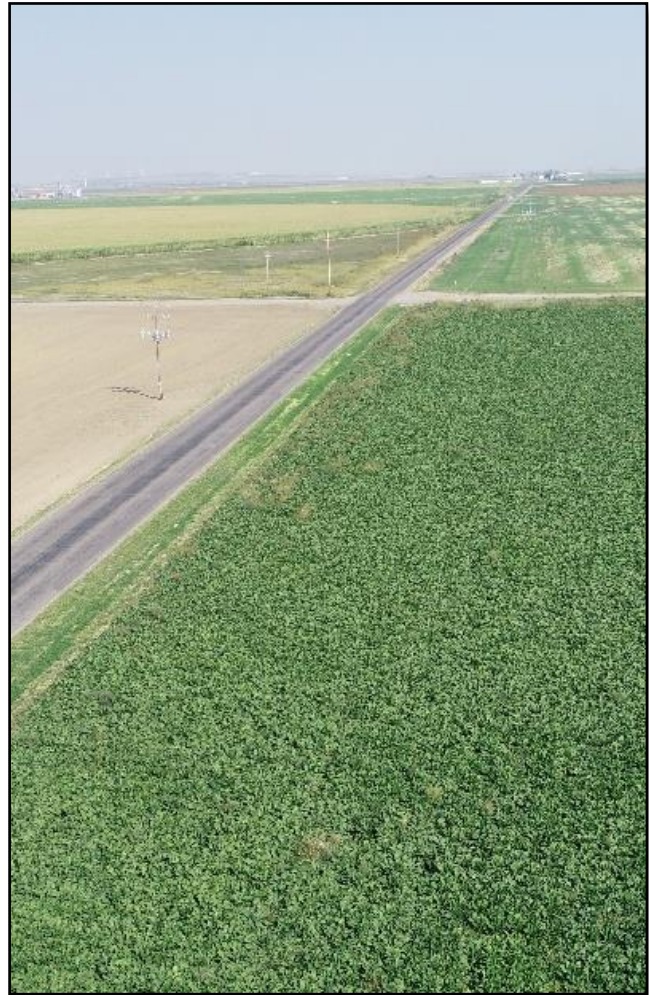
## 400 West Road, Oakley Highway District, Cassia County

400 West Road has extensive alligator cracking, rutting, edge cracks and potholes in both the northbound and southbound lanes. Deep ruts along the roadway create channels in which is difficult to maneuver within the travel lane. With many heavy trucks on this section of roadway, the safety of freight haulers as well as non-freight drivers becomes a major concern.

Oakley Highway District completed traffic counts that show the average daily traffic (ADT) is to be 1496 vehicles and assuming 25% of that total is commercial average daily traffic (CADT), that is approximately 374 trucks.

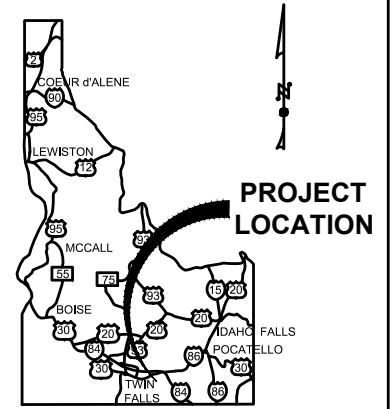
To rehabilitate this section of the main freight route will require a significant investment and federal funds would be a great asset to accomplish this goal. Rehabilitation cost are a burden on Oakley Highway District.

The Highway District has one road superintendent and two crew personnel. Oakley Highway District maintains 246 miles with an annual budget of \$960,000. It is nearly impossible to maintain all of their roads and complete large capital projects like this. Federal Aid assistance will make it possible to improve this road.

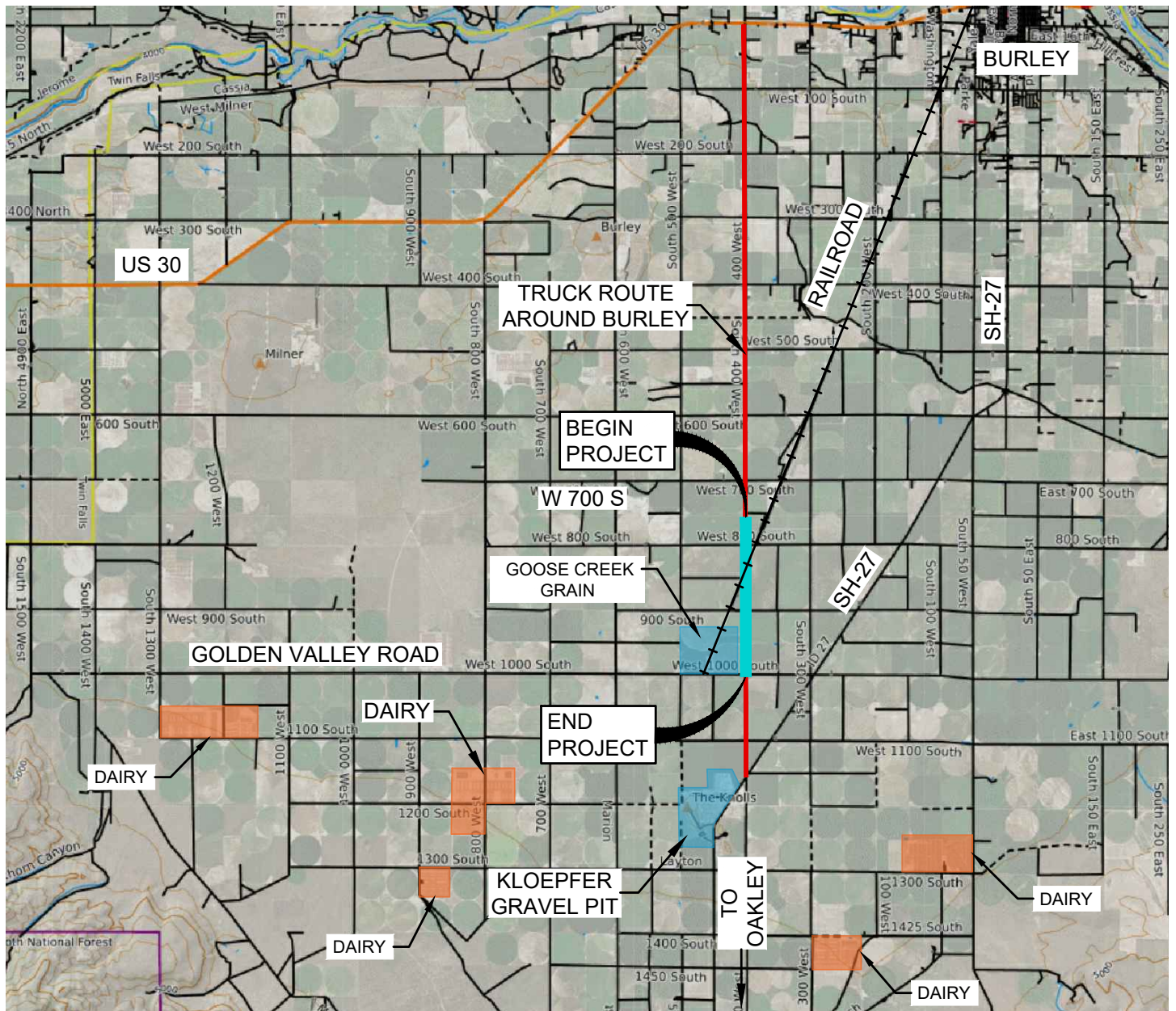




# 400 WEST ROAD OAKLEY HIGHWAY DISTRICT FY 2021 ITD FREIGHT APPLICATION



**LOCATION MAP**



400 WEST ROAD

VICINITY MAP

PROJECT NO.:

SHEET NO.

400 West Road, Oakley Highway District, Cassia County

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



## **400 WEST ROAD OAKLEY HIGHWAY DISTRICT COST ESTIMATE**

The 400 West Road project, sponsored by Oakley Highway District, will have a project match of 7.34%, as this project will rehabilitate 2.5 miles of local roadway. Project matching will be made by Oakley Highway District with funds generated by the District.

Oakley Highway District is suggesting a construction year of FY 2028 or sooner if possible. 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. Using the assumptions in this estimate indicate a total project cost of \$3.71 Million with Oakley Highway District project match of approximately \$273,000.



**400 W Road (Between 700 S and 800 S to Golden Valley Road)**  
**Oakley Highway District**

Item #	Item	Quantity	Units	Unit Price	Estimated Price
205-005A	EXCAVATION	3,000.00	CY	\$ 15.00	\$ 45,000.00
212-011A	FIBER WATTLE	1,100.00	FT	\$ 3.00	\$ 3,300.00
303-021A	3/4" AGGR TY B FOR BASE	2,500.00	TON	\$ 18.00	\$ 45,000.00
308-005A	CEM RECYCLED ASPH BASE STAB	39,000.00	SY	\$ 4.00	\$ 156,000.00
308-010A	PORTLAND CEM	458.00	TON	\$ 195.00	\$ 89,310.00
308-015A	PULVERIZE EXISTING SURF	39,000.00	SY	\$ 2.50	\$ 97,500.00
401-020A	CSS-1 DIL EMUL ASPH FOR TACK COAT	3,100.00	GAL	\$ 4.00	\$ 12,400.00
402-020A	EMUL ASPH FOR PRIME COAT	45.00	TON	\$ 800.00	\$ 36,000.00
402-030A	BLOTTER	191.00	TON	\$ 17.50	\$ 3,342.50
405-245A	APPROACH	28.00	EACH	\$ 1,200.00	\$ 33,600.00
405-325A	SUPERPAVE HMA PAV INCL ASHP&ADD CL SP-	9,100.00	TON	\$ 100.00	\$ 910,000.00
431-005A	COLD MILLING	39,000.00	SY	\$ 4.00	\$ 156,000.00
618-025A	STREET MONUMENT	10.00	EACH	\$ 1,200.00	\$ 12,000.00
621-005A	SEED BED PREPARATION	1.00	ACRE	\$ 500.00	\$ 500.00
621-010A	SEEDING	1.00	ACRE	\$ 1,000.00	\$ 1,000.00
621-035A	FERTILIZING	1.00	ACRE	\$ 500.00	\$ 500.00
621-060A	MULCH PLUS TACKIFIER	1.00	ACRE	\$ 700.00	\$ 700.00
626-010A	TEMPORARY TRAFFIC CONTROL SIGNS	1,500.00	SF	\$ 15.00	\$ 22,500.00
626-040A	CONST BARR CL B TY 3	15.00	EACH	\$ 350.00	\$ 5,250.00
626-100A	MISCELLANEOUS TEMPORARY TRAFFIC CONTROL ITEMS	1.00	LS	\$ 7,500.00	\$ 7,500.00
626-105A	TRAFFIC CONTROL MAINTENANCE	80.00	MNHR	\$ 60.00	\$ 4,800.00
626-120A	FLAGGER CONTROL	80.00	HR	\$ 60.00	\$ 4,800.00
626-135A	WEIGHTED BASE TUBULAR MARKERS	200.00	EACH	\$ 25.00	\$ 5,000.00
626-115B	PORTABLE CHANGEABLE MESSAGE SIGN (PCMS)	60.00	DAY	\$ 600.00	\$ 36,000.00
630-025A	LONGITUDINAL PAV MKG-WATERBORNE	89,000.00	FT	\$ 0.25	\$ 22,250.00
634-005A	MAILBOX	15.00	EACH	\$ 500.00	\$ 7,500.00
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
677-005A	RECORD DRAWINGS	1.00	LS	\$ 4,500.00	\$ 4,500.00
S900-50A	CONTINGENCY AMOUNT - MISCELLANEOUS SWPPP ITEMS	5,000.00	CA	\$ 1.00	\$ 5,000.00
S900-50B	CONTINGENCY AMOUNT - MISCELLANEOUS WORK	5,000.00	CA	\$ 1.00	\$ 5,000.00
S900-50C	CONTINGENCY AMOUNT - RAILROAD TRAFFIC CONTROL	10,000.00	CA	\$ 1.00	\$ 10,000.00
Preliminary Engineering (5%)					\$ 128,000.00
PE by Consultant (20%)					\$ 512,000.00
Total Construction Cost					\$ 1,791,000.00
Mobilization (10%)					\$ 179,000.00
Contengincy (30%)					\$ 591,000.00
CE&I 20%					\$ 512,000.00
Total Project Cost					\$ 3,713,000.00

400 West Road, Oakley Highway District, Cassia County

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



## **400 WEST ROAD OAKLEY HIGHWAY DISTRICT SAFETY, ECONOMIC & MOBILITY IMPROVEMENT DETAILS**

The 400 West Road project, sponsored by Oakley Highway District, is a 2.5-mile section of rural roadway that will be rehabilitated and overlaid with asphalt. The extensive transverse cracking, alligator cracking, rutting, edge cracks, and infinite number of filled potholes has made 400 West Road extremely hazardous for both freight and non-freight vehicles. The constant and repeated heavy trucks have beaten this 2.5-mile section of 400 West Road to deterioration. Oakley Highway District is concerned that if this roadway is not rehabilitated soon, a total reconstruction will be warranted.

### **DIRECT ECONOMIC IMPACT**

400 West Road is the main road for approximately 34,000 acres of farmland, 16 dairies, and several other gravel pits. Major agricultural business goods that are hauled on 400 West Road include Beets, Potatoes, Onions, Grain, Beans, and Fertilizer.

The dairies are primarily located south of Golden Valley Road and are dependent on 400 West Road to transport milk to the processing plants in Burley and Jerome. Acme Dairy in Oakley reported that they ship eight (8) 70,000-pound net weight loads of milk each day on 400 West. And the dairy receives a minimum of ten (10) 70,000-pound net weight loads of feed each week brought down to the dairy of 400 West. The other two larger dairies in the area also use 400 West to ship milk to the process plants in Jerome with a minimum of 30 loads of milk and feed commodities each day with a gross load of 100,000 pounds.



The Oakley area is world known for its rock quarries. Hundreds of thousands of pounds of granite, slate, and paving stones are excavated and shipped around the world. Idaho Materials & Construction (IMC) is known for their numerous projects specializing in highway and site development work. IMC is in support of this project as they have hauled close to 400,000 tons totaling almost 11,000 loads of aggregate from their Oakley pit. Kloepper Inc., another local road construction company, annually hauls 145,000 to 170,000 tons of material from their gravel pit located near the intersection of 400 West and SH 27.

Oakley Highway District completed traffic counts that show the average daily traffic (ADT) is to be 1496 vehicles and assuming 25% of that total are commercial trucks, the commercial daily

400 West Road, Oakley Highway District, Cassia County

traffic (CADT) is approximately 374 trucks. This count was completed by the highway district in a 3-day span. Daily traffic counts are expected to double if not triple during harvest season.

#### SAFETY IMPACT - TRAFFIC DATA

The combination of dairy trucks, rock trucks and farm trucks has led to the deterioration of the 400 West roadway. The current roadway conditions with severe rutting, cracking, and potholes requires drivers to slow their speed to maintain vehicle travel within the travel lane. Goose Creek Grain uses rail cars to distribute grain. The railroad crosses 400 West approximately at an approach angle of 35 degrees. This angle does not allow for a smooth transition across the tracks. Significant heaving and deterioration of asphalt has created an extremely bumpy ride over the tracks. By rehabilitating this section of roadway including the railroad crossing, heavy trucks as well as non-freight traffic, will be able to increase their speeds to the posted speed limit thus improving travel times. 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.

Along with maintaining its existing roads, Oakley Highway District is focused on improving safety within the District. Accident data provided on the Local Highway Technical Assistance Council's website reported that within the 400 West Road project limits, 8 reported accidents have occurred in the last five years including one class A injury accident in 2019, and seven property damage accidents between 2016 and 2020. Overturn and failure to obey a stop sign were the causes for the class A accident. For the property damage accidents, the causes range from overturn, losing traction in the rain, loss of control, and driver fatigue.

This project is not located on the National Highway Freight Network or listed as one of Idaho's critical rural freight corridors. However, due to the heavy dairy and rock freight hauled on 400 West Road, Oakley Highway District would like to humbly ask included this road on the list.

400 West Road, Oakley Highway District, Cassia County

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





**Idaho Materials & Construction**  
1310 Addison Ave W  
Twin Falls, ID 83301

T +1 (208) 733-5933

<https://stakerparson.com/companies/idaho-materials-construction/>

11/23/2021

## Oakley Highway District

Idaho Materials & Construction would like to support the Oakley Highway district, in acquiring federal funding for the 400 West road from 1225 South to 750 South.

Idaho Materials & Construction has built numerous projects, specializing in highway and site development work. From small subdivisions to multi-million-dollar highway and commercial projects.

Over the course of 5 years, we have hauled close to 400,000 tons totalling almost 11,000 loads of aggregate material from our Oakley pit, which helps build the roads and highways in our communities. With help from this federal funding, it will help decrease the trucks on this route from our pit to our plant, allowing us to haul 129,000 lbs. In turn lessening the number of trucks on this route.

Yours sincerely,

**Trent Sargent**  
Transportation Manager

T + 1 (208)705-3388  
E [trent.sargent@idahomaterials.com](mailto:trent.sargent@idahomaterials.com)

## Steven Yearsley

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**From:** Oakley Highway District <ohd@pmt.org>  
**Sent:** Monday, November 29, 2021 4:02 PM  
**To:** Steven Yearsley  
**Subject:** loads on 400 West

\*\*\*EXTERNAL MESSAGE\*\*\*

Dear Steven,

I just got off the phone with Randy Robinson. Randy is the owner of Acme Dairy in Oakley. He is also a partner and manager of High Desert Milk in Burley Idaho.

Randy tells me that he ships 8ea 70,000 lb net weight loads of milk each day on 400 West.

Acme Dairy receives 10ea 70,000 lb net weight loads of feed each week on 400 West.

Randy also tells me that 2 other larger dairies also use 400 West to ship milk to the process plants in Jerome. That is at least 30 loads of milk and feed commodities each day. All these loads would gross around 100,000 lbs.

I hope this is the info you needed.

Thanks

Weston Hawkes, Director

Oakley Highway District



November 24, 2021

Ready  
Mixed  
Concrete

Oakley Highway District  
Phone (208) 312-3465  
Fax (208)  
Email – ohd@pmt.org


ATT: Wes,

Asphalt  
Paving

At your request, it is anticipated that Kloepfer Inc. will haul over the 400 West Road annually, approx. 145,000 – 170,000 tons of material from our gravel pits located to the south.

Sand &  
Gravel

Sincerely,

  
John F. Kloepfer  
Vice President

Excavation

Laser  
& GPS  
Grading

Sitework

Chip  
Sealing

Rock  
Crushing

Material  
Testing