

**BUHL & FILER HIGHWAY DISTRICT  
TWIN FALLS COUNTY  
3700 NORTH ROAD REHABILITATION**



**IDAHO TRANSPORTATION DEPARTMENT  
FREIGHT PROGRAM APPLICATION  
February, 2019**

## Project Description

E 3700 North Road is located in western Twin Falls County, Idaho and is the most important agricultural trucking corridor west of Twin Falls that is not a State or US Highway. The corridor spans Buhl, Filer, and Twin Falls Highway Districts and is generally located south of the city of Buhl and west of US Highway 93. There are approximately 19.2 miles of 3700 N Road west of US 93 to Salmon Creek Falls, which is the western boundary of Buhl Highway District.

This corridor has been a priority for Buhl and Filer Highway Districts since the 1990's as they have targeted grant funding for road reconstruction. Various segments have been awarded either Rural Federal Aid funding or Local Strategic Initiative funding but most have not and the majority of road segments need major rehabilitation that is beyond normal maintenance. 14.8 miles of roadway have been identified as needing major rehabilitation. Cost estimates show that a total of \$17,359,000 is needed to adequately improve the corridor.



This proposed project is to rehabilitate the roadway based on information provided base Filer and Buhl Highway Districts. Roadway segments identified as needing rehabilitation fall into 2 categories. The 1<sup>st</sup> are segments that have never been improved are have major structural issues related to base material. These segments are anticipated to need CRABS base rehabilitation and a pavement overlay of at least 0.35'. The 2<sup>nd</sup> category are segments that have been improved in the 1990's and are believed to have adequate aggregate base material but have deteriorated to a point that major rehabilitation is needed. A mill and pavement overlay of at least 0.35' is anticipated for the roadway segments.

## Project Need & Importance

For 15 miles of the 3700 N corridor between US 93 (2400 E) and 900 E 2017 traffic counts is projected by Idaho Transportation Department (ITD) to range between 1,100 and 1,600 AADT for all roadway segments. These traffic numbers show how important the corridor is to the area. 3700 N Rd directly supports **70,000 acres of farmland and too many dairies to count. The roadway is a commodity corridor that is needed for the transport of milk, silage, feed, manure, beets, potatoes, beans, fertilizer, and fuel.** This agricultural industry relies on truck traffic as the businesses are constantly transporting goods, equipment, and feed. During peak harvest times near the end of summer commercial traffic of **110 trucks per hour** have been measured by Buhl and Filer Highway Districts. 3700 N Road was never designed for this type of activity.

3700 N Rd is not holding up to the amount of traffic it receives despite the best efforts of Buhl and Filer Highway Districts. The Highway Districts do not have budget for repairs beyond standard maintenance like chip sealing, crack sealing, and pot hole repairs. Fatigue cracking, transverse

cracking, longitudinal cracking, rutting, pot holes, and poor ride quality are all common issues along the corridor. These issues are because the majority of the corridor was never designed for the traffic it receives and in some cases was not even designed at all because it was built so long ago.

A major reason for improving this roadway is to increase the safety of the corridor. From 2012-2017 in the 19.2 miles of 3700 N Road west of US 93 to Salmon Creek Falls, there were **101** reported accidents including **2 fatalities**. By improving the ride quality, removing ruts and cracking, and widening the roadway to 28 feet the frequency of accidents should decrease and safety of this busy corridor improved.



The estimated costs to rehabilitate the identified corridor is \$17,359,000. With their existing budgets and current funding mechanisms through LHTAC it is impossible for Filer HD and Buhl HD to complete the needed improvements in a reasonable time frame. This project and corridor is most important to Buhl and Filer Highway Districts and the overall health of the area. By not completing the project, 3700 N Rd will continue to deteriorate leading to more accidents, rougher roads, reduced speed limits, and hardships to the local farms, dairies, and businesses.

## **Corridor & Project Phasing**

While \$17,359,000 is estimated to be needed to rehabilitate the corridor, it is understood that the ITD Freight Program generally targets project that do not exceed \$4.5 million. The 14.8 miles of roadway identified as needing rehabilitation have been broken up into 8 separate construction segments. By breaking them into 8 separate segments, it is easier to create a project meeting the funding constraints. Exhibits identifying the individual segments and cost estimates for each segment as included with this application package. Filer and Buhl HD would like to phase construction work on the corridor from east to west as there is a greater amount of truck traffic on the eastern end of the corridor.

Currently, the first phase of an ITD Freight Program project based on current cost estimates would rehabilitate 3.5 miles of 3700 N Rd, include construction segments 1, 2, and 3, and cost approximately \$4,537,000 including development and construction engineering. These segments would include rehabilitation of 3700 N from 2300 E to 2050 E and 1800 E to 1700 E.

Because the corridor is so important to the Highway Districts, the segment from 2300 E Rd to 2100 E Rd has also been applied for funding through LHTAC's FY 2019/20 STP Rural Federal Aid program. If that construction segment is funded through LHTAC's Rural Federal Aid program, it will no longer be included in this Freight Program application. The first phase of an

3700 North Road Rehabilitation, Buhl & Filer Highway District, Twin Falls County

ITD Freight Program project would then be 3.5 miles and include segments 2, 3, 4, and 5, rehabilitating 3700 N from 2100 E to 2050 E and 1800 E to 1500 E. That project is estimated to cost \$4,351,000.

The remaining segments and corridor phases would remain a priority for Buhl and Filer Highway Districts and hopefully be included in future ITD Freight Program projects.

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<b>Segment Number</b>	<b>Length (miles)</b>	<b>Proposed Type of Work</b>	<b>Begin Limits</b>	<b>End Limits</b>	<b>Construction Total</b>	<b>Project Total</b>
1	2	CRABS w/ Widening	2300 E	2100 E	\$ 1,587,020	\$ 2,475,020
2	0.5	CRABS w/ Widening	2100 E	2050 E	\$ 454,555	\$ 709,555
3	1	CRABS w/ Widening	1800 E	1700 E	\$ 867,410	\$ 1,352,410
4	1	Mill & Overlay	1700 E	1600 E	\$ 627,800	\$ 979,800
5	1	CRABS w/ Widening	1600 E	1500 E	\$ 839,010	\$ 1,309,010
6	2	CRABS w/ Widening & Intersection Work	1500 E	1300 E	\$ 1,703,900	\$ 2,657,900
7	3	Mill & Overlay	1300 E	900 E	\$ 1,790,885	\$ 2,793,885
8	4.3	CRABS w/ Widening	900 E	Salmon Creek Falls	\$ 3,257,380	\$ 5,081,380
<b>Project Total from All Segments</b>						<b>\$ 17,358,960</b>

**BUHL & FILER HIGHWAY DISTRICT - TWIN FALLS COUNTY -ITD FREIGHT APPLICATION**  
**3700 NORTH ROAD REHABILITATION**  
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<b>Construction Segment 1; 3700 N, 2300 E to 2100 E</b>						
<b>Length: 2 mile; Type: CRABS with Road Widening from 26' to 28'</b>						
<b>Entity</b>	<b>Pay Item Reference</b>	<b>Description</b>	<b>Unit</b>	<b>Estimated Quantity</b>	<b>Unit Price</b>	<b>Price</b>
		<b>CONSTRUCTION COSTS</b>				
ITD	105-010A	DISPUTE REVIEW BOARD	CA	1	\$ 2,500.00	\$ 2,500.00
ITD	110-005A	TRAINING	HT	200	\$ 0.80	\$ 200.00
ITD	205-005A	EXCAVATION	CY	2,726	\$ 12.00	\$ 32,800.00
ITD	205-085A	SHOULDER AGGREGATE	TON	677	\$ 14.00	\$ 9,500.00
ITD	205-090A	SHOULDER GRADING	MILE	4.1	\$ 3,000.00	\$ 12,300.00
ITD	212-011A	FIBER WATTLE	FT	500.0	\$ 3.00	\$ 1,500.00
ITD	212-095A	INLET PROTECTION	EACH	30.0	\$ 110.00	\$ 3,300.00
ITD	303-022A	3/4" AGG TY B FOR BASE	TON	6,790.0	\$ 18.00	\$ 122,300.00
ITD	308-005A	CEM RECYCLED ASPH BASE STAB	SY	33,675	\$ 4.00	\$ 134,700.00
ITD	308-010A	PORTLAND CEM	TON	286	\$ 170.00	\$ 48,700.00
ITD	308-015A	PULVERIZE EXISTING SURF	SY	33,675	\$ 2.50	\$ 84,200.00
ITD	401-020A	CSS-1 DIL EMUL ASPH FOR TACK COAT	GAL	2,694	\$ 1.50	\$ 4,100.00
ITD	401-020A	EMUL ASPH FOR PRIME COAT	TON	26	\$ 1,200.00	\$ 31,300.00
ITD	402-030A	BLOTTER	TON	168	\$ 17.50	\$ 3,000.00
ITD	405-245A	APPROACH	EACH	30	\$ 1,500.00	\$ 45,000.00
ITD	405-325A	SUPERPAVE HMA PAV INCL ASPH & AD	TON	7,956	\$ 90.00	\$ 716,100.00
ITD	431-005A	COLD MILLING	SY	-	\$ 3.00	\$ -
ITD	511-005A	CONC WATERPROOF SYS TYPE A	SY	-	\$ 75.00	\$ -
ITD	602-025A	12" PIPE CULV	FT	1,500	\$ 35.00	\$ 52,500.00
ITD	630-025A	LONGITUDINAL PAV MKG -WATERBORNE	FT	-	\$ 0.30	\$ -
ITD	675-005A	SURVEY	LS	1	\$ 20,000.00	\$ 20,000.00
ITD	675-010A	DIRECTED SURVEY OFFICE COMPUTATIONS	CA	1	\$ 4,000.00	\$ 4,000.00
ITD	675-015A	DIRECTED SURVEYING OFFICE COMPUTATIONS	CA	1	\$ 4,000.00	\$ 4,000.00
ITD	677-005A	RECORD DRAWINGS	LS	1	\$ 4,000.00	\$ 4,000.00
ITD	S900-50A	CA-WATER POLLUTION & EROSION CONTROL	CA	1	\$ 4,000.00	\$ 4,000.00
		SIGNS, MAILBOXES, & SIGN POSTS	LS	1	\$ 6,000.00	\$ 6,000.00
		CONSTRUCTION TRAFFIC CONTROL	LS	1	\$ 40,000.00	\$ 40,000.00
ITD	Z629-05A	MOBILIZATION (10%)	LS	1	\$ 138,600.00	\$ 138,600.00
ITD	A303-05A	QA - 3/4" AGG BASE	CA	1	\$ 6,115.00	\$ 6,115.00
ITD	A405-05A	QA - PL MIX PAV - NON BID ITEM	CA	1	\$ 35,805.00	\$ 35,805.00
ITD	A405-10A	PL MIX SMOOTHNESS - NON BID ITEM	CA	1	\$ 20,500.00	\$ 20,500.00
		<b>CONSTRUCTION TOTAL</b>				\$ 1,587,020.00
		<b>CONSULTING ENGINEERING (20% of Construction Total)</b>				\$ 317,000.00
		<b>LHTAC DEVELOPMENT ENGINEERING (5% of Construction Total)</b>				\$ 79,000.00
		<b>CONTINGENCY &amp; CONSTRUCTION ENGINEERING (31% of Construction Total)</b>				\$ 492,000.00
		<b>PROJECT TOTAL (Sum of Construction Total, Consulting Eng, LHTAC Eng, Contingency &amp; CEI)</b>				\$ 2,475,020.00

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**3700 NORTH ROAD REHABILITATION**  
**FEBRUARY, 2019**

<b>Construction Segment 2; 3700 N, 2100 E to 2050 E</b>						
<b>Length: 0.5 mile; Type: CRABS with Road Widening from 26' to 28'</b>						
<b>Entity</b>	<b>Pay Item Reference</b>	<b>Description</b>	<b>Unit</b>	<b>Estimated Quantity</b>	<b>Unit Price</b>	<b>Price</b>
		<b>CONSTRUCTION COSTS</b>				
ITD	105-010A	DISPUTE REVIEW BOARD	CA	1	\$ 2,500.00	\$ 2,500.00
ITD	110-005A	TRAINING	HT	200	\$ 0.80	\$ 200.00
ITD	205-005A	EXCAVATION	CY	731	\$ 12.00	\$ 8,800.00
ITD	205-085A	SHOULDER AGGREGATE	TON	182	\$ 14.00	\$ 2,600.00
ITD	205-090A	SHOULDER GRADING	MILE	1.1	\$ 3,000.00	\$ 3,300.00
ITD	212-011A	FIBER WATTLE	FT	500.0	\$ 3.00	\$ 1,500.00
ITD	212-095A	INLET PROTECTION	EACH	20.0	\$ 110.00	\$ 2,200.00
ITD	303-022A	3/4" AGG TY B FOR BASE	TON	1,940.0	\$ 18.00	\$ 35,000.00
ITD	308-005A	CEM RECYCLED ASPH BASE STAB	SY	9,035	\$ 4.00	\$ 36,200.00
ITD	308-010A	PORTLAND CEM	TON	77	\$ 170.00	\$ 13,100.00
ITD	308-015A	PULVERIZE EXISTING SURF	SY	9,035	\$ 2.50	\$ 22,600.00
ITD	401-020A	CSS-1 DIL EMUL ASPH FOR TACK COAT	GAL	723	\$ 1.50	\$ 1,100.00
ITD	401-020A	EMUL ASPH FOR PRIME COAT	TON	7	\$ 1,200.00	\$ 8,400.00
ITD	402-030A	BLOTTER	TON	45	\$ 17.50	\$ 800.00
ITD	405-245A	APPROACH	EACH	10	\$ 1,500.00	\$ 15,000.00
ITD	405-325A	SUPERPAVE HMA PAV INCL ASPH & AD	TON	2,134	\$ 90.00	\$ 192,100.00
ITD	431-005A	COLD MILLING	SY	-	\$ 3.00	\$ -
ITD	511-005A	CONC WATERPROOF SYS TYPE A	SY	-	\$ 75.00	\$ -
ITD	602-025A	12" PIPE CULV	FT	500	\$ 35.00	\$ 17,500.00
ITD	630-025A	LONGITUDINAL PAV MKG -WATERBORNE	FT	6,505	\$ 0.30	\$ 2,000.00
ITD	675-005A	SURVEY	LS	1	\$ 9,000.00	\$ 9,000.00
ITD	675-010A	DIRECTED SURVEY OFFICE COMPUTATIONS	CA	1	\$ 1,500.00	\$ 1,500.00
ITD	675-015A	DIRECTED SURVEYING OFFICE COMPUTATIONS	CA	1	\$ 1,500.00	\$ 1,500.00
ITD	677-005A	RECORD DRAWINGS	LS	1	\$ 1,500.00	\$ 1,500.00
ITD	S900-50A	CA-WATER POLLUTION & EROSION CONTROL	CA	1	\$ 1,500.00	\$ 1,500.00
		SIGNS, MAILBOXES, & SIGN POSTS	LS	1	\$ 3,000.00	\$ 3,000.00
		CONSTRUCTION TRAFFIC CONTROL	LS	1	\$ 15,000.00	\$ 15,000.00
ITD	Z629-05A	MOBILIZATION (10%)	LS	1	\$ 39,800.00	\$ 39,800.00
ITD	A303-05A	QA - 3/4" AGG BASE	CA	1	\$ 1,750.00	\$ 1,750.00
ITD	A405-05A	QA - PL MIX PAV - NON BID ITEM	CA	1	\$ 9,605.00	\$ 9,605.00
ITD	A405-10A	PL MIX SMOOTHNESS - NON BID ITEM	CA	1	\$ 5,500.00	\$ 5,500.00
		<b>CONSTRUCTION TOTAL</b>				\$ 454,555.00
		<b>CONSULTING ENGINEERING (20% of Construction Total)</b>				\$ 91,000.00
		<b>LHTAC DEVELOPMENT ENGINEERING (5% of Construction Total)</b>				\$ 23,000.00
		<b>CONTINGENCY &amp; CONSTRUCTION ENGINEERING (31% of Construction Total)</b>				\$ 141,000.00
		<b>PROJECT TOTAL (Sum of Construction Total, Consulting Eng, LHTAC Eng, Contingency &amp; CEI)</b>				\$ 709,555.00

**BUHL & FILER HIGHWAY DISTRICT - TWIN FALLS COUNTY -ITD FREIGHT APPLICATION**  
**3700 NORTH ROAD REHABILITATION**  
**FEBRUARY, 2019**

<b>Construction Segment 3; 3700 N, 1800 E to 1700 E</b>						
<b>Length: 1 mile; Type: CRABS with Road Widening from 26' to 28'</b>						
<b>Entity</b>	<b>Pay Item Reference</b>	<b>Description</b>	<b>Unit</b>	<b>Estimated Quantity</b>	<b>Unit Price</b>	<b>Price</b>
		<b>CONSTRUCTION COSTS</b>				
ITD	105-010A	DISPUTE REVIEW BOARD	CA	1	\$ 2,500.00	\$ 2,500.00
ITD	110-005A	TRAINING	HT	200	\$ 0.80	\$ 200.00
ITD	205-005A	EXCAVATION	CY	1,396	\$ 12.00	\$ 16,800.00
ITD	205-085A	SHOULDER AGGREGATE	TON	347	\$ 14.00	\$ 4,900.00
ITD	205-090A	SHOULDER GRADING	MILE	2.1	\$ 3,000.00	\$ 6,300.00
ITD	212-011A	FIBER WATTLE	FT	500.0	\$ 3.00	\$ 1,500.00
ITD	212-095A	INLET PROTECTION	EACH	20.0	\$ 110.00	\$ 2,200.00
ITD	303-022A	3/4" AGG TY B FOR BASE	TON	3,520.0	\$ 18.00	\$ 63,400.00
ITD	308-005A	CEM RECYCLED ASPH BASE STAB	SY	17,248	\$ 4.00	\$ 69,000.00
ITD	308-010A	PORTLAND CEM	TON	293	\$ 170.00	\$ 49,900.00
ITD	308-015A	PULVERIZE EXISTING SURF	SY	17,248	\$ 2.50	\$ 43,200.00
ITD	401-020A	CSS-1 DIL EMUL ASPH FOR TACK COAT	GAL	1,380	\$ 1.50	\$ 2,100.00
ITD	401-020A	EMUL ASPH FOR PRIME COAT	TON	13	\$ 1,200.00	\$ 16,100.00
ITD	402-030A	BLOTTER	TON	86	\$ 17.50	\$ 1,600.00
ITD	405-245A	APPROACH	EACH	16	\$ 1,500.00	\$ 24,000.00
ITD	405-325A	SUPERPAVE HMA PAV INCL ASPH & AD	TON	4,075	\$ 90.00	\$ 366,800.00
ITD	431-005A	COLD MILLING	SY	-	\$ 3.00	\$ -
ITD	511-005A	CONC WATERPROOF SYS TYPE A	SY	87	\$ 75.00	\$ 6,600.00
ITD	602-025A	12" PIPE CULV	FT	600	\$ 35.00	\$ 21,000.00
ITD	630-025A	LONGITUDINAL PAV MKG -WATERBORNE	FT	12,419	\$ 0.30	\$ 3,800.00
ITD	675-005A	SURVEY	LS	1	\$ 12,500.00	\$ 12,500.00
ITD	675-010A	DIRECTED SURVEY OFFICE COMPUTATIONS	CA	1	\$ 2,500.00	\$ 2,500.00
ITD	675-015A	DIRECTED SURVEYING OFFICE COMPUTATIONS	CA	1	\$ 2,500.00	\$ 2,500.00
ITD	677-005A	RECORD DRAWINGS	LS	1	\$ 2,500.00	\$ 2,500.00
ITD	S900-50A	CA-WATER POLLUTION & EROSION CONTROL	CA	1	\$ 2,500.00	\$ 2,500.00
		SIGNS, MAILBOXES, & SIGN POSTS	LS	1	\$ 5,000.00	\$ 5,000.00
		CONSTRUCTION TRAFFIC CONTROL	LS	1	\$ 30,000.00	\$ 30,000.00
ITD	Z629-05A	MOBILIZATION (10%)	LS	1	\$ 76,000.00	\$ 76,000.00
ITD	A303-05A	QA - 3/4" AGG BASE	CA	1	\$ 3,170.00	\$ 3,170.00
ITD	A405-05A	QA - PL MIX PAV - NON BID ITEM	CA	1	\$ 18,340.00	\$ 18,340.00
ITD	A405-10A	PL MIX SMOOTHNESS - NON BID ITEM	CA	1	\$ 10,500.00	\$ 10,500.00
		<b>CONSTRUCTION TOTAL</b>				\$ 867,410.00
		<b>CONSULTING ENGINEERING (20% of Construction Total)</b>				\$ 173,000.00
		<b>LHTAC DEVELOPMENT ENGINEERING (5% of Construction Total)</b>				\$ 43,000.00
		<b>CONTINGENCY &amp; CONSTRUCTION ENGINEERING (31% of Construction Total)</b>				\$ 269,000.00
		<b>PROJECT TOTAL (Sum of Construction Total, Consulting Eng, LHTAC Eng, Contingency &amp; CEI)</b>				\$ 1,352,410.00

**BUHL & FILER HIGHWAY DISTRICT - TWIN FALLS COUNTY -ITD FREIGHT APPLICATION**  
**3700 NORTH ROAD REHABILITATION**  
**FEBRUARY, 2019**

<b>Construction Segment 4; 3700 N, 1700 E to 1600 E,</b>						
<b>Length: 1 mile; Type: Mill &amp; Overlay (28' wide existing pavement)</b>						
<b>Entity</b>	<b>Pay Item Reference</b>	<b>Description</b>	<b>Unit</b>	<b>Estimated Quantity</b>	<b>Unit Price</b>	<b>Price</b>
		<b>CONSTRUCTION COSTS</b>				
ITD	105-010A	DISPUTE REVIEW BOARD	CA	1	\$ 2,500.00	\$ 2,500.00
ITD	110-005A	TRAINING	HT	200	\$ 0.80	\$ 200.00
ITD	205-005A	EXCAVATION	CY	-	\$ 12.00	\$ -
ITD	205-085A	SHOULDER AGGREGATE	TON	347	\$ 14.00	\$ 4,900.00
ITD	205-090A	SHOULDER GRADING	MILE	2.1	\$ 3,000.00	\$ 6,300.00
ITD	212-011A	FIBER WATTLE	FT	500.0	\$ 3.00	\$ 1,500.00
ITD	212-095A	INLET PROTECTION	EACH	20.0	\$ 110.00	\$ 2,200.00
ITD	303-022A	3/4" AGG TY B FOR BASE	TON	729.0	\$ 18.00	\$ 13,200.00
ITD	308-005A	CEM RECYCLED ASPH BASE STAB	SY	-	\$ 4.00	\$ -
ITD	308-010A	PORTLAND CEM	TON	-	\$ 170.00	\$ -
ITD	308-015A	PULVERIZE EXISTING SURF	SY	-	\$ 2.50	\$ -
ITD	401-020A	CSS-1 DIL EMUL ASPH FOR TACK COAT	GAL	2,760	\$ 1.50	\$ 4,200.00
ITD	401-020A	EMUL ASPH FOR PRIME COAT	TON	-	\$ 1,200.00	\$ -
ITD	402-030A	BLOTTER	TON	-	\$ 17.50	\$ -
ITD	405-245A	APPROACH	EACH	12	\$ 1,500.00	\$ 18,000.00
ITD	405-325A	SUPERPAVE HMA PAV INCL ASPH & AD	TON	4,075	\$ 90.00	\$ 366,800.00
ITD	431-005A	COLD MILLING	SY	17,248	\$ 3.00	\$ 51,800.00
ITD	511-005A	CONC WATERPROOF SYS TYPE A	SY	-	\$ 75.00	\$ -
ITD	602-025A	12" PIPE CULV	FT	600	\$ 35.00	\$ 21,000.00
ITD	630-025A	LONGITUDINAL PAV MKG -WATERBORNE	FT	12,419	\$ 0.30	\$ 3,800.00
ITD	675-005A	SURVEY	LS	1	\$ 12,500.00	\$ 12,500.00
ITD	675-010A	DIRECTED SURVEY OFFICE COMPUTATIONS	CA	1	\$ 2,500.00	\$ 2,500.00
ITD	675-015A	DIRECTED SURVEYING OFFICE COMPUTATIONS	CA	1	\$ 2,500.00	\$ 2,500.00
ITD	677-005A	RECORD DRAWINGS	LS	1	\$ 2,500.00	\$ 2,500.00
ITD	S900-50A	CA-WATER POLLUTION & EROSION CONTROL	CA	1	\$ 2,500.00	\$ 2,500.00
		SIGNS, MAILBOXES, & SIGN POSTS	LS	1	\$ 5,000.00	\$ 5,000.00
		CONSTRUCTION TRAFFIC CONTROL	LS	1	\$ 20,000.00	\$ 20,000.00
ITD	Z629-05A	MOBILIZATION (10%)	LS	1	\$ 54,400.00	\$ 54,400.00
ITD	A303-05A	QA - 3/4" AGG BASE	CA	1	\$ 660.00	\$ 660.00
ITD	A405-05A	QA - PL MIX PAV - NON BID ITEM	CA	1	\$ 18,340.00	\$ 18,340.00
ITD	A405-10A	PL MIX SMOOTHNESS - NON BID ITEM	CA	1	\$ 10,500.00	\$ 10,500.00
		<b>CONSTRUCTION TOTAL</b>				\$ 627,800.00
		<b>CONSULTING ENGINEERING (20% of Construction Total)</b>				\$ 126,000.00
		<b>LHTAC DEVELOPMENT ENGINEERING (5% of Construction Total)</b>				\$ 31,000.00
		<b>CONTINGENCY &amp; CONSTRUCTION ENGINEERING (31% of Construction Total)</b>				\$ 195,000.00
		<b>PROJECT TOTAL (Sum of Construction Total, Consulting Eng, LHTAC Eng, Contingency &amp; CEI)</b>				\$ 979,800.00

**BUHL & FILER HIGHWAY DISTRICT - TWIN FALLS COUNTY -ITD FREIGHT APPLICATION**  
**3700 NORTH ROAD REHABILITATION**  
**FEBRUARY, 2019**

<b>Construction Segment 5; 3700 N, 1600 E to 1500 E,</b>						
<b>Length: 1 miles; Type: CRABS with Road Widening from 26' to 28'</b>						
<b>Entity</b>	<b>Pay Item Reference</b>	<b>Description</b>	<b>Unit</b>	<b>Estimated Quantity</b>	<b>Unit Price</b>	<b>Price</b>
		<b>CONSTRUCTION COSTS</b>				
ITD	105-010A	DISPUTE REVIEW BOARD	CA	1	\$ 5,000.00	\$ 5,000.00
ITD	110-005A	TRAINING	HT	200	\$ 0.80	\$ 200.00
ITD	205-005A	EXCAVATION	CY	1,396	\$ 12.00	\$ 16,800.00
ITD	205-085A	SHOULDER AGGREGATE	TON	347	\$ 14.00	\$ 4,900.00
ITD	205-090A	SHOULDER GRADING	MILE	2.1	\$ 3,000.00	\$ 6,300.00
ITD	212-011A	FIBER WATTLE	FT	1,500.0	\$ 3.00	\$ 4,500.00
ITD	212-095A	INLET PROTECTION	EACH	40.0	\$ 110.00	\$ 4,400.00
ITD	303-022A	3/4" AGG TY B FOR BASE	TON	3,516.7	\$ 18.00	\$ 63,400.00
ITD	308-005A	CEM RECYCLED ASPH BASE STAB	SY	17,248	\$ 4.00	\$ 69,000.00
ITD	308-010A	PORTLAND CEM	TON	147	\$ 170.00	\$ 25,000.00
ITD	308-015A	PULVERIZE EXISTING SURF	SY	17,248	\$ 2.50	\$ 43,200.00
ITD	401-020A	CSS-1 DIL EMUL ASPH FOR TACK COAT	GAL	1,380	\$ 1.50	\$ 2,100.00
ITD	401-020A	EMUL ASPH FOR PRIME COAT	TON	13	\$ 1,200.00	\$ 16,100.00
ITD	402-030A	BLOTTER	TON	86	\$ 17.50	\$ 1,600.00
ITD	405-245A	APPROACH	EACH	16	\$ 1,500.00	\$ 24,000.00
ITD	405-325A	SUPERPAVE HMA PAV INCL ASPH & AD	TON	4,075	\$ 90.00	\$ 366,800.00
ITD	431-005A	COLD MILLING	SY	-	\$ 3.00	\$ -
ITD	511-005A	CONC WATERPROOF SYS TYPE A	SY	-	\$ 75.00	\$ -
ITD	602-025A	12" PIPE CULV	FT	800	\$ 35.00	\$ 28,000.00
ITD	609-025A	MINOR STRUCTURE	EACH	-	\$ -	\$ -
ITD	630-025A	LONGITUDINAL PAV MKG -WATERBORNE	FT	12,419	\$ 0.30	\$ 3,800.00
ITD	675-005A	SURVEY	LS	1	\$ 12,500.00	\$ 12,500.00
ITD	675-010A	DIRECTED SURVEY OFFICE COMPUTATIONS	CA	1	\$ 2,500.00	\$ 2,500.00
ITD	675-015A	DIRECTED SURVEYING OFFICE COMPUTATIONS	CA	1	\$ 2,500.00	\$ 2,500.00
ITD	677-005A	RECORD DRAWINGS	LS	1	\$ 2,500.00	\$ 2,500.00
ITD	S900-50A	CA-WATER POLLUTION & EROSION CONTROL	CA	1	\$ 2,500.00	\$ 2,500.00
		SIGNS, MAILBOXES, & SIGN POSTS	LS	1	\$ 6,000.00	\$ 6,000.00
		CONSTRUCTION TRAFFIC CONTROL	LS	1	\$ 20,000.00	\$ 20,000.00
ITD	Z629-05A	MOBILIZATION (10%)	LS	1	\$ 73,400.00	\$ 73,400.00
ITD	A303-05A	QA - 3/4" AGG BASE	CA	1	\$ 3,170.00	\$ 3,170.00
ITD	A405-05A	QA - PL MIX PAV - NON BID ITEM	CA	1	\$ 18,340.00	\$ 18,340.00
ITD	A405-10A	PL MIX SMOOTHNESS - NON BID ITEM	CA	1	\$ 10,500.00	\$ 10,500.00
		<b>CONSTRUCTION TOTAL</b>				\$ 839,010.00
		<b>CONSULTING ENGINEERING (20% of Construction Total)</b>				\$ 168,000.00
		<b>LHTAC DEVELOPMENT ENGINEERING (5% of Construction Total)</b>				\$ 42,000.00
		<b>CONTINGENCY &amp; CONSTRUCTION ENGINEERING (31% of Construction Total)</b>				\$ 260,000.00
		<b>PROJECT TOTAL (Sum of Construction Total, Consulting Eng, LHTAC Eng, Contingency &amp; CEI)</b>				\$ 1,309,010.00

**BUHL & FILER HIGHWAY DISTRICT - TWIN FALLS COUNTY -ITD FREIGHT APPLICATION**  
**3700 NORTH ROAD REHABILITATION**  
**FEBRUARY, 2019**

<b>Construction Segment 6; 3700 N, 1500 E to 1300 E,</b>						
<b>Length: 2 miles; Type: CRABS with Road Widening from 26' to 28' &amp; Reconfiguration/Rebuild of 1400 E - 3700 N Intersection</b>						
<b>Entity</b>	<b>Pay Item Reference</b>	<b>Description</b>	<b>Unit</b>	<b>Estimated Quantity</b>	<b>Unit Price</b>	<b>Price</b>
		<b>CONSTRUCTION COSTS</b>				
ITD	105-010A	DISPUTE REVIEW BOARD	CA	1	\$ 5,000.00	\$ 5,000.00
ITD	110-005A	TRAINING	HT	200	\$ 0.80	\$ 200.00
ITD	205-005A	EXCAVATION	CY	2,793	\$ 12.00	\$ 33,600.00
ITD	205-085A	SHOULDER AGGREGATE	TON	693	\$ 14.00	\$ 9,800.00
ITD	205-090A	SHOULDER GRADING	MILE	4.2	\$ 3,000.00	\$ 12,600.00
ITD	212-011A	FIBER WATTLE	FT	1,500.0	\$ 3.00	\$ 4,500.00
ITD	212-095A	INLET PROTECTION	EACH	60.0	\$ 110.00	\$ 6,600.00
ITD	303-022A	3/4" AGG TY B FOR BASE	TON	6,911.9	\$ 18.00	\$ 124,500.00
ITD	308-005A	CEM RECYCLED ASPH BASE STAB	SY	34,496	\$ 4.00	\$ 138,000.00
ITD	308-010A	PORTLAND CEM	TON	293	\$ 170.00	\$ 49,900.00
ITD	308-015A	PULVERIZE EXISTING SURF	SY	34,496	\$ 2.50	\$ 86,300.00
ITD	401-020A	CSS-1 DIL EMUL ASPH FOR TACK COAT	GAL	2,760	\$ 1.50	\$ 4,200.00
ITD	401-020A	EMUL ASPH FOR PRIME COAT	TON	27	\$ 1,200.00	\$ 32,100.00
ITD	402-030A	BLOTTER	TON	172	\$ 17.50	\$ 3,100.00
ITD	405-245A	APPROACH	EACH	30	\$ 1,500.00	\$ 45,000.00
ITD	405-325A	SUPERPAVE HMA PAV INCL ASPH & AD	TON	8,150	\$ 90.00	\$ 733,500.00
ITD	431-005A	COLD MILLING	SY	-	\$ 3.00	\$ -
ITD	511-005A	CONC WATERPROOF SYS TYPE A	SY	-	\$ 75.00	\$ -
ITD	602-025A	12" PIPE CULV	FT	1,500	\$ 35.00	\$ 52,500.00
ITD	609-025A	MINOR STRUCTURE	EACH	-	\$ -	\$ -
ITD	630-025A	LONGITUDINAL PAV MKG -WATERBORNE	FT	24,837	\$ 0.30	\$ 7,500.00
ITD	675-005A	SURVEY	LS	1	\$ 20,000.00	\$ 20,000.00
ITD	675-010A	DIRECTED SURVEY OFFICE COMPUTATIONS	CA	1	\$ 4,000.00	\$ 4,000.00
ITD	675-015A	DIRECTED SURVEYING OFFICE COMPUTATIONS	CA	1	\$ 4,000.00	\$ 4,000.00
ITD	677-005A	RECORD DRAWINGS	LS	1	\$ 4,000.00	\$ 4,000.00
ITD	S900-50A	CA-WATER POLLUTION & EROSION CONTROL	CA	1	\$ 4,000.00	\$ 4,000.00
		SIGNS, MAILBOXES, & SIGN POSTS	LS	1	\$ 6,000.00	\$ 6,000.00
		INTERSECTION RECONFIGURATION	LS	1	\$ 60,000.00	\$ 60,000.00
		CONSTRUCTION TRAFFIC CONTROL	LS	1	\$ 40,000.00	\$ 40,000.00
ITD	Z629-05A	MOBILIZATION (10%)	LS	1	\$ 149,100.00	\$ 149,100.00
ITD	A303-05A	QA - 3/4" AGG BASE	CA	1	\$ 6,225.00	\$ 6,225.00
ITD	A405-05A	QA - PL MIX PAV - NON BID ITEM	CA	1	\$ 36,675.00	\$ 36,675.00
ITD	A405-10A	PL MIX SMOOTHNESS - NON BID ITEM	CA	1	\$ 21,000.00	\$ 21,000.00
		<b>CONSTRUCTION TOTAL</b>				\$ 1,703,900.00
		<b>CONSULTING ENGINEERING (20% of Construction Total)</b>				\$ 341,000.00
		<b>LHTAC DEVELOPMENT ENGINEERING (5% of Construction Total)</b>				\$ 85,000.00
		<b>CONTINGENCY &amp; CONSTRUCTION ENGINEERING (31% of Construction Total)</b>				\$ 528,000.00
		<b>PROJECT TOTAL (Sum of Construction Total, Consulting Eng, LHTAC Eng, Contingency &amp; CEI)</b>				\$ 2,657,900.00

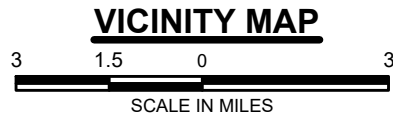
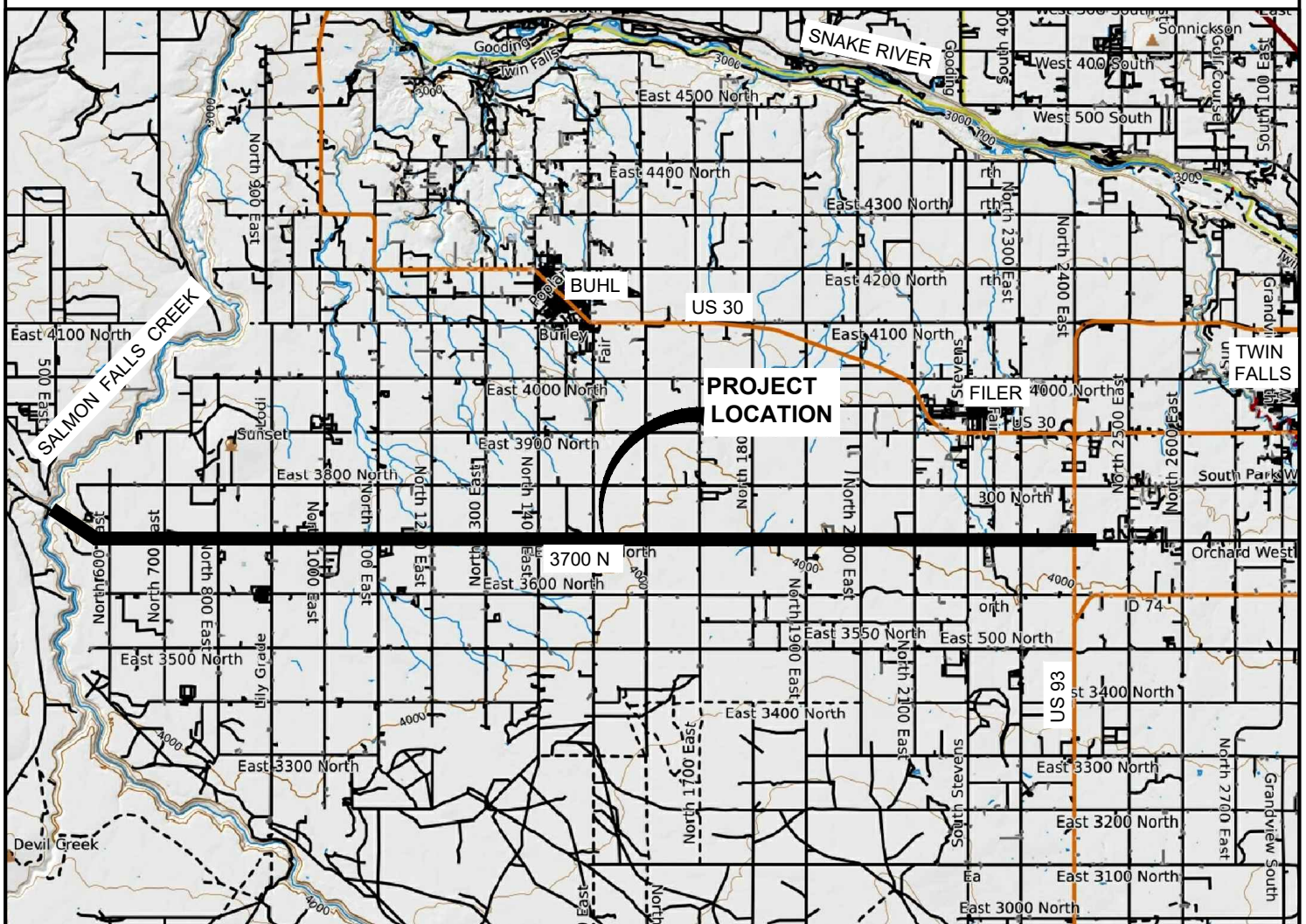
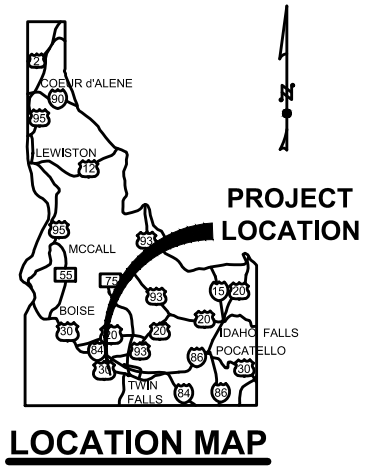
**BUHL & FILER HIGHWAY DISTRICT - TWIN FALLS COUNTY -ITD FREIGHT APPLICATION**  
**3700 NORTH ROAD REHABILITATION**  
**FEBRUARY, 2019**

<b>Construction Segment 7; 3700 N, 1200 E to 900 E,</b>						
<b>Length: 3 miles; Type: Mill &amp; Overlay (28' wide existing pavement)</b>						
<b>Entity</b>	<b>Pay Item Reference</b>	<b>Description</b>	<b>Unit</b>	<b>Estimated Quantity</b>	<b>Unit Price</b>	<b>Price</b>
		<b>CONSTRUCTION COSTS</b>				
ITD	105-010A	DISPUTE REVIEW BOARD	CA	1	\$ 5,000.00	\$ 5,000.00
ITD	110-005A	TRAINING	HT	200	\$ 0.80	\$ 200.00
ITD	205-005A	EXCAVATION	CY	-	\$ 12.00	\$ -
ITD	205-085A	SHOULDER AGGREGATE	TON	1,023	\$ 14.00	\$ 14,400.00
ITD	205-090A	SHOULDER GRADING	MILE	6.2	\$ 3,000.00	\$ 18,600.00
ITD	212-011A	FIBER WATTLE	FT	1,500.0	\$ 3.00	\$ 4,500.00
ITD	212-095A	INLET PROTECTION	EACH	40.0	\$ 110.00	\$ 4,400.00
ITD	303-022A	3/4" AGG TY B FOR BASE	TON	1,822.5	\$ 18.00	\$ 32,900.00
ITD	308-005A	CEM RECYCLED ASPH BASE STAB	SY	-	\$ 4.00	\$ -
ITD	308-010A	PORTLAND CEM	TON	-	\$ 170.00	\$ -
ITD	308-015A	PULVERIZE EXISTING SURF	SY	-	\$ 2.50	\$ -
ITD	401-020A	CSS-1 DIL EMUL ASPH FOR TACK COAT	GAL	8,148	\$ 1.50	\$ 12,300.00
ITD	401-020A	EMUL ASPH FOR PRIME COAT	TON	-	\$ 1,200.00	\$ -
ITD	402-030A	BLOTTER	TON	-	\$ 17.50	\$ -
ITD	405-245A	APPROACH	EACH	30	\$ 1,500.00	\$ 45,000.00
ITD	405-325A	SUPERPAVE HMA PAV INCL ASPH & AD	TON	12,030	\$ 90.00	\$ 1,082,800.00
ITD	431-005A	COLD MILLING	SY	50,923	\$ 3.00	\$ 152,800.00
ITD	511-005A	CONC WATERPROOF SYS TYPE A	SY	-	\$ 75.00	\$ -
ITD	602-025A	12" PIPE CULV	FT	1,500	\$ 35.00	\$ 52,500.00
ITD	630-025A	LONGITUDINAL PAV MKG - WATERBORNE	FT	36,664	\$ 0.30	\$ 11,000.00
ITD	675-005A	SURVEY	LS	1	\$ 30,000.00	\$ 30,000.00
ITD	675-010A	DIRECTED SURVEY OFFICE COMPUTATIONS	CA	1	\$ 5,000.00	\$ 5,000.00
ITD	675-015A	DIRECTED SURVEYING OFFICE COMPUTATIONS	CA	1	\$ 5,000.00	\$ 5,000.00
ITD	677-005A	RECORD DRAWINGS	LS	1	\$ 5,000.00	\$ 5,000.00
ITD	S900-50A	CA-WATER POLLUTION & EROSION CONTROL	CA	1	\$ 5,000.00	\$ 5,000.00
		SIGNS, MAILBOXES, & SIGN POSTS	LS	1	\$ 10,000.00	\$ 10,000.00
		CONSTRUCTION TRAFFIC CONTROL	LS	1	\$ 60,000.00	\$ 60,000.00
ITD	Z629-05A	MOBILIZATION (10%)	LS	1	\$ 147,700.00	\$ 147,700.00
ITD	A303-05A	QA - 3/4" AGG BASE	CA	1	\$ 1,645.00	\$ 1,645.00
ITD	A405-05A	QA - PL MIX PAV - NON BID ITEM	CA	1	\$ 54,140.00	\$ 54,140.00
ITD	A405-10A	PL MIX SMOOTHNESS - NON BID ITEM	CA	1	\$ 31,000.00	\$ 31,000.00
		<b>CONSTRUCTION TOTAL</b>				\$ 1,790,885.00
		<b>CONSULTING ENGINEERING (20% of Construction Total)</b>				\$ 358,000.00
		<b>LHTAC DEVELOPMENT ENGINEERING (5% of Construction Total)</b>				\$ 90,000.00
		<b>CONTINGENCY &amp; CONSTRUCTION ENGINEERING (31% of Construction Total)</b>				\$ 555,000.00
		<b>PROJECT TOTAL (Sum of Construction Total, Consulting Eng, LHTAC Eng, Contingency &amp; CEI)</b>				\$ 2,793,885.00

**BUHL & FILER HIGHWAY DISTRICT - TWIN FALLS COUNTY -ITD FREIGHT APPLICATION**  
**3700 NORTH ROAD REHABILITATION**  
**FEBRUARY, 2019**

<b>Construction Segment 8; 3700 N, 900 E to Salmon Falls Creek</b>						
<b>Length: 4.3 miles; Type: CRABS with Road Widening from 26' to 28'</b>						
<b>Entity</b>	<b>Pay Item Reference</b>	<b>Description</b>	<b>Unit</b>	<b>Estimated Quantity</b>	<b>Unit Price</b>	<b>Price</b>
		<b>CONSTRUCTION COSTS</b>				
ITD	105-010A	DISPUTE REVIEW BOARD	CA	1	\$ 5,000.00	\$ 5,000.00
ITD	110-005A	TRAINING	HT	200	\$ 0.80	\$ 200.00
ITD	205-005A	EXCAVATION	CY	5,718	\$ 12.00	\$ 68,700.00
ITD	205-085A	SHOULDER AGGREGATE	TON	1,419	\$ 14.00	\$ 19,900.00
ITD	205-090A	SHOULDER GRADING	MILE	8.6	\$ 3,000.00	\$ 25,800.00
ITD	212-011A	FIBER WATTLE	FT	2,000.0	\$ 3.00	\$ 6,000.00
ITD	212-095A	INLET PROTECTION	EACH	50.0	\$ 110.00	\$ 5,500.00
ITD	303-022A	3/4" AGG TY B FOR BASE	TON	13,337.1	\$ 18.00	\$ 240,100.00
ITD	308-005A	CEM RECYCLED ASPH BASE STAB	SY	70,635	\$ 4.00	\$ 282,600.00
ITD	308-010A	PORTLAND CEM	TON	1,201	\$ 170.00	\$ 204,200.00
ITD	308-015A	PULVERIZE EXISTING SURF	SY	70,635	\$ 2.50	\$ 176,600.00
ITD	401-020A	CSS-1 DIL EMUL ASPH FOR TACK COAT	GAL	5,651	\$ 1.50	\$ 8,500.00
ITD	401-020A	EMUL ASPH FOR PRIME COAT	TON	55	\$ 1,200.00	\$ 65,700.00
ITD	402-030A	BLOTTER	TON	353	\$ 17.50	\$ 6,200.00
ITD	405-245A	APPROACH	EACH	48	\$ 1,500.00	\$ 72,000.00
ITD	405-325A	SUPERPAVE HMA PAV INCL ASPH & AD	TON	16,687	\$ 90.00	\$ 1,501,900.00
ITD	431-005A	COLD MILLING	SY	-	\$ 3.00	\$ -
ITD	511-005A	CONC WATERPROOF SYS TYPE A	SY	-	\$ 75.00	\$ -
ITD	602-025A	12" PIPE CULV	FT	1,800	\$ 35.00	\$ 63,000.00
ITD	630-025A	LONGITUDINAL PAV MKG -WATERBORNE	FT	50,857	\$ 0.30	\$ 15,300.00
ITD	675-005A	SURVEY	LS	1	\$ 30,000.00	\$ 30,000.00
ITD	675-010A	DIRECTED SURVEY OFFICE COMPUTATIONS	CA	1	\$ 5,000.00	\$ 5,000.00
ITD	675-015A	DIRECTED SURVEYING OFFICE COMPUTATIONS	CA	1	\$ 5,000.00	\$ 5,000.00
ITD	677-005A	RECORD DRAWINGS	LS	1	\$ 5,000.00	\$ 5,000.00
ITD	S900-50A	CA-WATER POLLUTION & EROSION CONTROL	CA	1	\$ 5,000.00	\$ 5,000.00
		SIGNS, MAILBOXES, & SIGN POSTS	LS	1	\$ 10,000.00	\$ 10,000.00
		CONSTRUCTION TRAFFIC CONTROL	LS	1	\$ 60,000.00	\$ 60,000.00
ITD	Z629-05A	MOBILIZATION (10%)	LS	1	\$ 251,600.00	\$ 251,600.00
ITD	A303-05A	QA - 3/4" AGG BASE	CA	1	\$ 12,005.00	\$ 12,005.00
ITD	A405-05A	QA - PL MIX PAV - NON BID ITEM	CA	1	\$ 63,575.00	\$ 63,575.00
ITD	A405-10A	PL MIX SMOOTHNESS - NON BID ITEM	CA	1	\$ 43,000.00	\$ 43,000.00
		<b>CONSTRUCTION TOTAL</b>				\$ 3,257,380.00
		<b>CONSULTING ENGINEERING (20% of Construction Total)</b>				\$ 651,000.00
		<b>LHTAC DEVELOPMENT ENGINEERING (5% of Construction Total)</b>				\$ 163,000.00
		<b>CONTINGENCY &amp; CONSTRUCTION ENGINEERING (31% of Construction Total)</b>				\$ 1,010,000.00
		<b>PROJECT TOTAL (Sum of Construction Total, Consulting Eng, LHTAC Eng, Contingency &amp; CEI)</b>				\$ 5,081,380.00

# 3700 N RD ITD FREIGHT GRANT APPLICATION TWIN FALLS COUNTY, IDAHO



**FORSGREN**  
*Associates Inc.*

3700 N RD - ITD FREIGHT GRANT APPLICATION

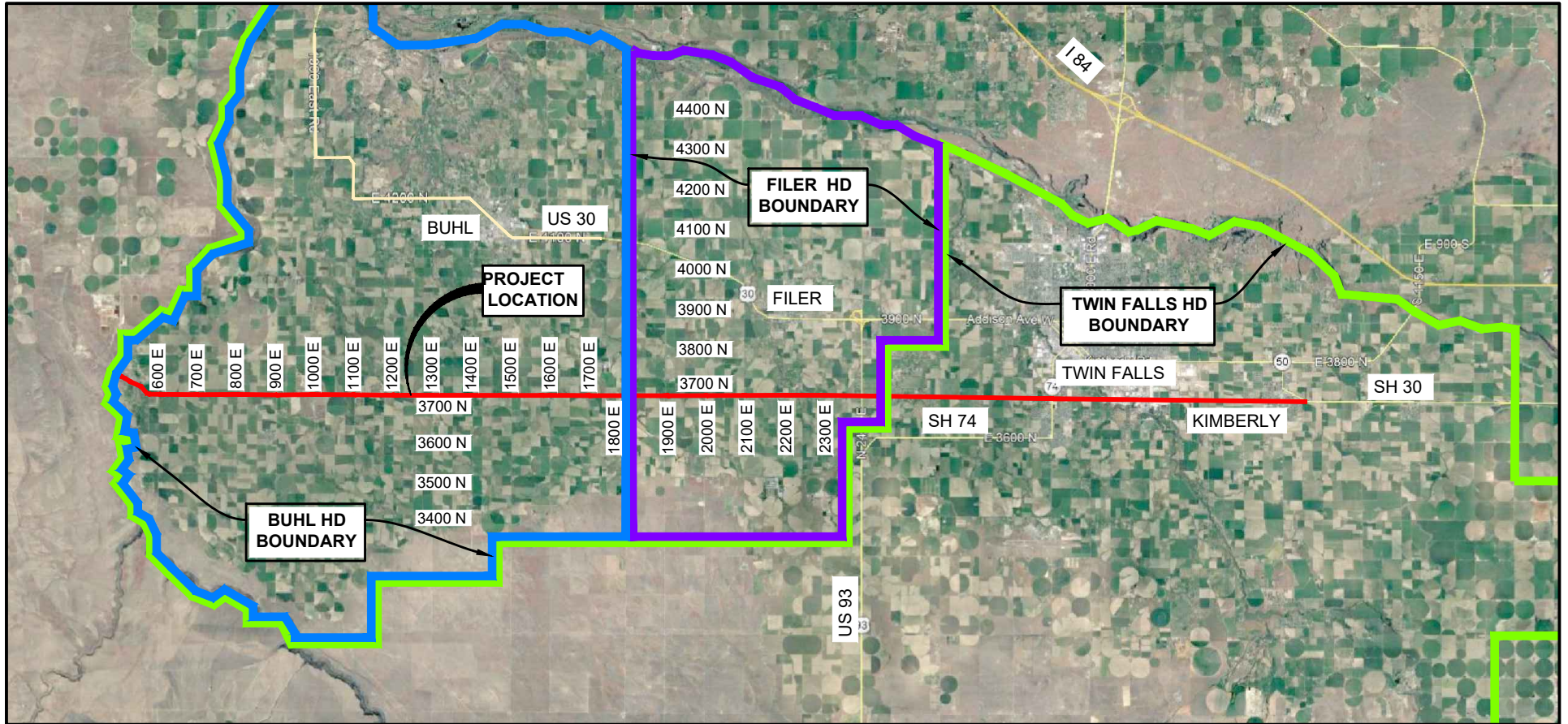
VICINITY MAP

PROJECT NO.:  
218904

SHEET NO.  
1

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**FORSGREN**  
*Associates Inc.*

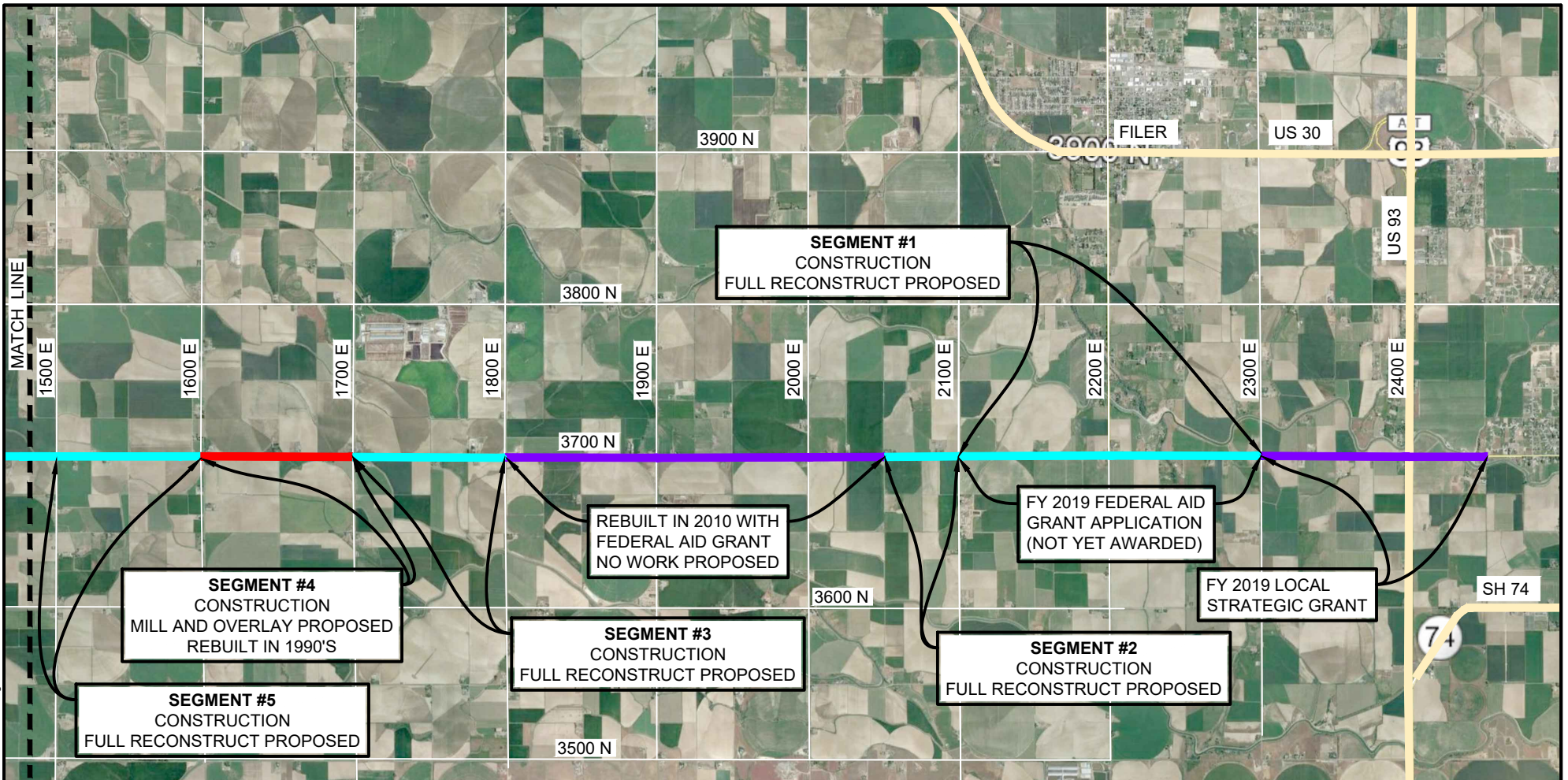
3700 N RD - ITD FREIGHT GRANT APPLICATION

VICINITY MASTER VIEW

PROJECT NO.:  
218904

SHEET NO.  
2

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**SEGMENT #1**  
CONSTRUCTION  
FULL RECONSTRUCT PROPOSED

REBUILT IN 2010 WITH  
FEDERAL AID GRANT  
NO WORK PROPOSED

FY 2019 FEDERAL AID  
GRANT APPLICATION  
(NOT YET AWARDED)

FY 2019 LOCAL  
STRATEGIC GRANT

**SEGMENT #4**  
CONSTRUCTION  
MILL AND OVERLAY PROPOSED  
REBUILT IN 1990'S

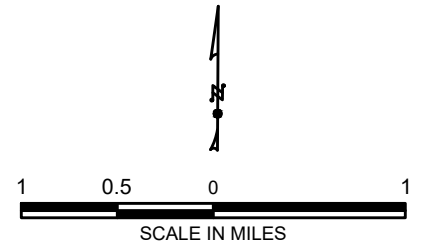
**SEGMENT #3**  
CONSTRUCTION  
FULL RECONSTRUCT PROPOSED

**SEGMENT #2**  
CONSTRUCTION  
FULL RECONSTRUCT PROPOSED

**SEGMENT #5**  
CONSTRUCTION  
FULL RECONSTRUCT PROPOSED

LEGEND

- PROPOSED RECONSTRUCT
- PROPOSED OVERLAY
- NO WORK PROPOSED



**FORSGREN**  
*Associates Inc.*

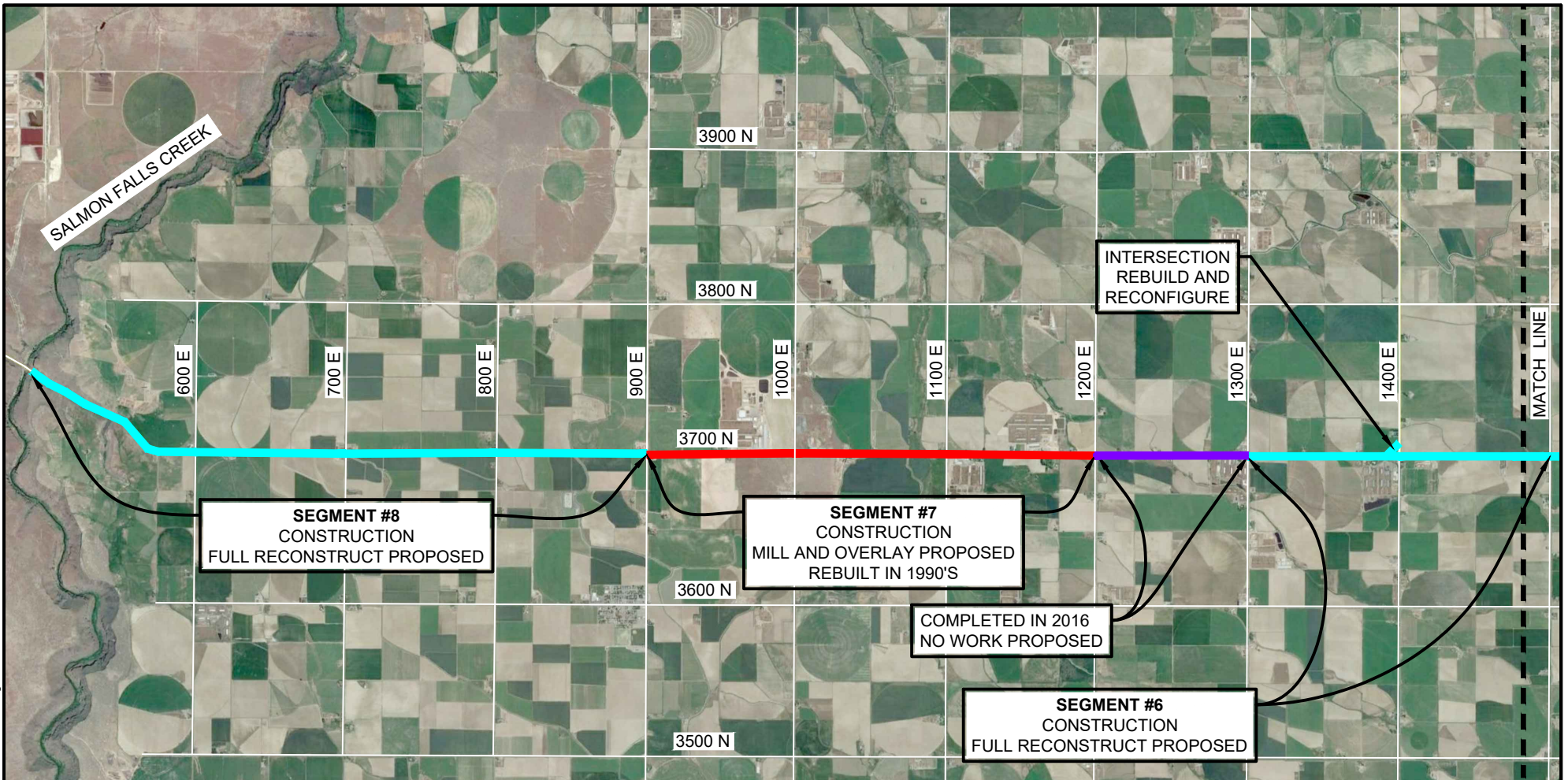
ITD FREIGHT GRANT APPLICATION

PLAN

PROJECT NO.:  
218904

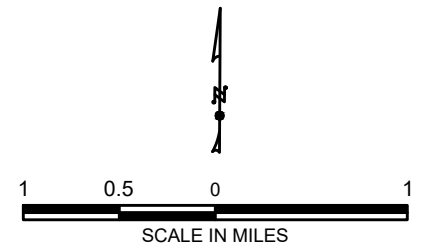
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**LEGEND**

- PROPOSED RECONSTRUCT
- PROPOSED OVERLAY
- NO WORK PROPOSED



**FORSGREN**  
*Associates Inc.*

ITD FREIGHT GRANT APPLICATION

PLAN

PROJECT NO.:  
218904

SHEET NO.  
4