

APPLICATION QUESTIONS

Project Title: SH-44 and Cemetery Road Intersection Signalization

Local Highway Agency Name: City of Middleton

Local Highway Agency Address: 1103 W Main St., Middleton, ID 83644

*Contact Name: Jason Van Gilder, PE; Public Works Director

Phone: 208-585-3133

Email: JVanGilder@MiddletonCity.com

*Please list the person from your agency we should call if we have any questions on this project application.

Amount Requested: \$1,972,300

Total Amount of Project: \$2,250,205

Amount and Source of Other Funds: \$277,905 from City of Middleton transportation funds

Please provide the following supportive information in the order listed below.

1. Provide a description of the proposed project. Include the importance and need of the project, the regional benefit, and the overall impact to the local transportation system. (limit 1 page).

a. Include map of project location

b. Include project area photos

2. Provide project scope, construction limits and permits, schedule and estimated project cost.

3. Do you have all right-of-way (R/W) for your project? Explain (limit ½ page). Provide documentation of R/W, easements, or commitments.

4. Are your engineering plans ready to bid or will they be ready within 6 months of grant award? Provide explanation of progress to date, and evidence of current project development (plan set).

5. How does the project mitigate the impacts of state highway projects on local roads, OR why is the project economically significant and require the assistance of the Idaho Transportation Department? (limit 1 page)

6. Do you have community support for your project? Include unique letters of support from the supporting partners including Local/Rural planning groups, Metropolitan Planning Organizations, law enforcement, fire department, police department, school district, local businesses, etc. (limit 5 single page letters)



1. Provide a description of the proposed project. Include the importance and need of the project, the regional benefit, and the overall impact to the local transportation system. (limit 1 page). (Include map of project location. Include project area photos.) [{Scoring Criteria: Need, Agency & Financial Benefit + Safety}](#)

Description

The State Highway 44 (SH-44) & Cemetery Road Intersection Signalization Project provides a needed traffic signal, ADA accessible pedestrian facilities, and the relocation of two collector street access points necessitated by the signal installation. Maps of the project location and photos of the existing intersection are provided on the following pages.

Importance & Safety

This project is a vital to addressing congestion and safety issues arising from investment into SH-44 not keeping pace with the extensive population growth in the greater Middleton area and resulting in a failing level of service at the SH-44 and Cemetery Road intersection.

A primary constraint of the SH-44 corridor is a lack of signalized turning opportunities onto and off of SH-44 between I-84 and the City of Star. Until the City of Middleton's current project installing a traffic light at the Hartley & SH-44 Intersection, the only intersection with a protected turning movement along SH-44 is the intersection at South Middleton Road. This creates long delays for the residents north of SH-44 attempting to utilize the State's highway. The light proposed in this project will provide safe access onto the state highway system at an intersection where it is vitally needed and advances key regional connectivity.

This traffic signal will address a safety issue associated with Middleton Middle School located 2 tenths of a mile (0.15 mi) to the west. Without signalization on the SH-44 corridor, busses and parents are not afforded gaps in traffic flow to safely enter the highway. Parents and buses from the Middleton Heights Elementary located half a mile (0.45 mi) north of this intersection, will also benefit from the safer access to SH-44 provided by this signal.

Installation of a signal at the Cemetery Road Intersection on SH-44 will necessitate, due to the proximity of their existing access points, reconfiguring the North and South Highland Drive connections to the transportation network. North and South Highland Drive's existing SH-44 access will be reconfigured to be "right-in/right-out", eliminating dangerous lefthand turning movements across SH-44 likely to interfere with signal queuing. Installation of a second connection points for each of these streets onto Cemetery Road will maintain connectivity service levels for these areas while providing emergency services with redundant access points into these two neighborhoods.

Regional Benefit

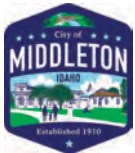
Signalization of the Cemetery Road & SH-44 intersection will make a logical connection to the Middleton Road through the south leg of this intersection. The combination of this project with the City's current investment in a new roundabout at Sawtooth Drive and Middleton Road allows regional traffic crossing the Boise River at Middleton Road to avoid the congested portion of SH-44 in Middleton's downtown area when traveling to or from destinations south, north, and west of the city.

Another regional benefit afforded by this project is further development of federal investments previously made in the Cemetery Road corridor. Three federal projects immediately adjacent to the project are the *S Cemetery Rd; SH-44 to Willow Cr Roadway Project*¹, the *Cemetery Road Sidewalk Project*², and the realignment of the North Cemetery Road approach in the *Int Cemetery Rd and SH 44, Middleton project*³.

¹ (Fed Aid Project No. A012(048))

² (Federal Aid A018(954) , ITD Key No. 18954)

³ (Federal Aid Proj No. STP-1400(119), ITD Key No. 09513)



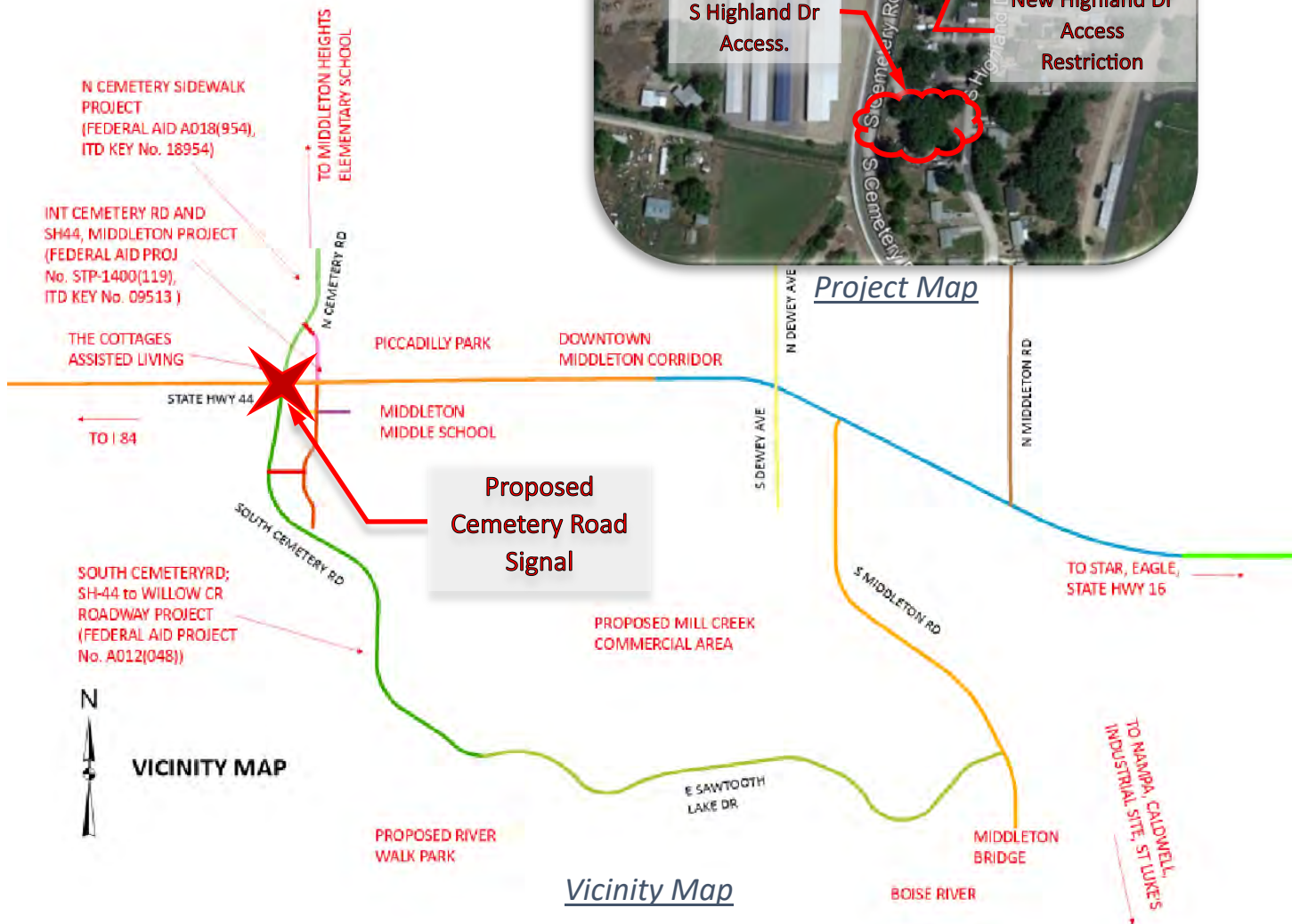
Project Maps



ITD District Map



Project Map



Vicinity Map



SH44 & Cemetery Road Intersection Signalization
City of Middleton
SIGP Application

Project Photos

*Photo 1 - Cemetery Rd / SH-44 Intersection
Aerial View Looking Southwest*



*Photo 2 - Cemetery Rd / SH-44 Intersection
Looking Northwest/*

*Photo 4 - Cemetery Rd / SH-44 Intersection
Looking West*



*Photo 3 - Cemetery Rd / SH-44 Intersection
Looking Southwest*



2. Provide project scope, construction limits and permits, schedule and estimated project cost.

{Scoring Criteria: Feasible Scope/schedule, project size, necessary permits/environmental agreements, reasonable project cost}

Scope

Installation of intersection traffic signals including lefthand turn signals for all four legs of the Cemetery Road and SH-44 intersection. Expansion of roadway limits for turning and travel lanes is NOT required.

The signal will also be equipped with a pre-emptive detection system to provide preferential sequence and hold of signal lights for emergency vehicles.

ADA compliant pedestrian crossings will be installed at all four legs, where currently only two crosswalks exist. These signalized crosswalks will connect concrete sidewalk already present at the northwest, northeast, and southwest corners of the intersection to the regional pathway system present on the southeast corner.

In review of the project concept, ITD noted that the proximity of Highland Drive's existing access points onto SH-44 would create a conflict with the traffic light queuing at the proposed intersection that will need to be addressed. This potential safety issue at North and South Highland Drive accesses will be remedied with two components. First, both the North and South Highland Drive SH-44 access points will be reconfigured to be right in/ right out only intersections using signage and a centerline curb barrier. Second, to offset the removal of lefthand turning movements into and out of North and South Highland Drive, construction of a second access point from North Highland Drive and South Highland Drive will be created to allow traffic from these areas onto Cemetery Road.

Schedule

Preliminary scoping to establish the need and priority of the project was completed in 2023. Final Design is presently underway and is anticipated to be completed in February of 2024 at which time the project will be shovel ready.

A project schedule is included as Attachment 2 showing substantial completion of the project in December 2024. This schedule is predicated on the electrical equipment being the longest lead time and therefore the critical path. All civil site improvements along with the underground electrical can be installed during the 2024 summer construction season. The poles, mast arms, signals, and control cabinet can be installed in the fall of 2024 due to procurement and delivery constraints.

Construction Limits

The project's construction limits are entirely within existing rights-of-ways, City owned property, or existing easements. All property necessary for the project has been secured as described in the response to Question 3. The City's current property ownership also includes a portion of land along the west side of South Cemetery Road that will be ideal for project staging.

Permits

Floodplain permit. The project is located within the FEMA floodplain as depicted on map 16027C0234G effective 6/7/2019. The project will require a floodplain permit from the City of Middleton. Fill and roadway construction is permitted in floodplain areas, therefore the permit for all work in this project can be administratively issued by the City of Middleton.

ITD Right-of-Way Permit. The City is currently undertaking a traffic light installation similar to the proposed project under ITD right-of-way permit 03-20-91 for project S-3748(2). The City has an established protocol to ensure that ITD reviews all submittals relevant to work in their right-of-way, ITD's inspectors are coordinated with to ensure they observe all critical construction activities, and that traffic control plans are approved by ITD.



Construction Stormwater NPDES Permit. The project will require the contractor to obtain coverage under the Construction Stormwater General Permit issued for Idaho. This permit will require the implementation of Best Management Practices (BMP's) intended to minimize sediment or other pollutants from leaving the project site.

Other Environmental Considerations. The project is not anticipated to require additional environmental review for the following reasons:

- Expansion of impervious surfaces within ITD Right-of-way only be the nominal expansion of the sidewalks necessary to install ADA compliant curb ramps.
- Environmental reviews for the federal aid projects in Cemetery Road right of way and adjacent to this work determined that those projects warranted a categorical exclusions^{4,5}.

Estimated Project Costs

A project cost summary is provided in the following table. A detailed construction cost estimate is included on a subsequent page and as Attachment #4.

Activity	Amount	Notes
Preliminary Engineering:	\$92,880	Completed entirely with local funds
Design:	\$185,025	Completed entirely with local funds
ROW Acquisition:	\$0.00	No additional ROW is required.
Construction:	\$1,707,000	See the opinion of probable construction costs provided in the attachments.
Construction Contingency:	\$86,000	5% of Construction Costs
Construction Admin:	\$179,300	Estimated at 10% construction costs. Engineering costs will be less than 15% of the total grant amount.
Total Project Cost:	\$2,250,205	
Local Funds:	\$277,905	≈12% of total project costs
Strategic Initiative Grant Program Funds Requested: \$1,972,300		

Project costs are based on unit bid prices received on 9/15/2022 by the City of Middleton for a similar traffic signal installation with an adjustment to account for inflation. For this reason, the above cost estimate is considered reasonable even with a 5% contingency factor.

⁴ Environmental Evaluation for Project STP-1400 (119) approved 05-05-2009.

⁵ Environmental Evaluation for Project No. A012(048) approved 04-26-2018.



3. Do you have all right-of-way (R/W) for your project? Explain (limit ½ page). Provide documentation of R/W, easements, or commitments.

{Scoring Criteria: No Additional R/W is needed (own property, have executed property use agreements/easements)}

Yes, all property necessary for the installation of the traffic signal, reconfiguration of adjacent intersections, and relocation of local access points is under ownership of the City or ITD. No additional right-of-way is needed.

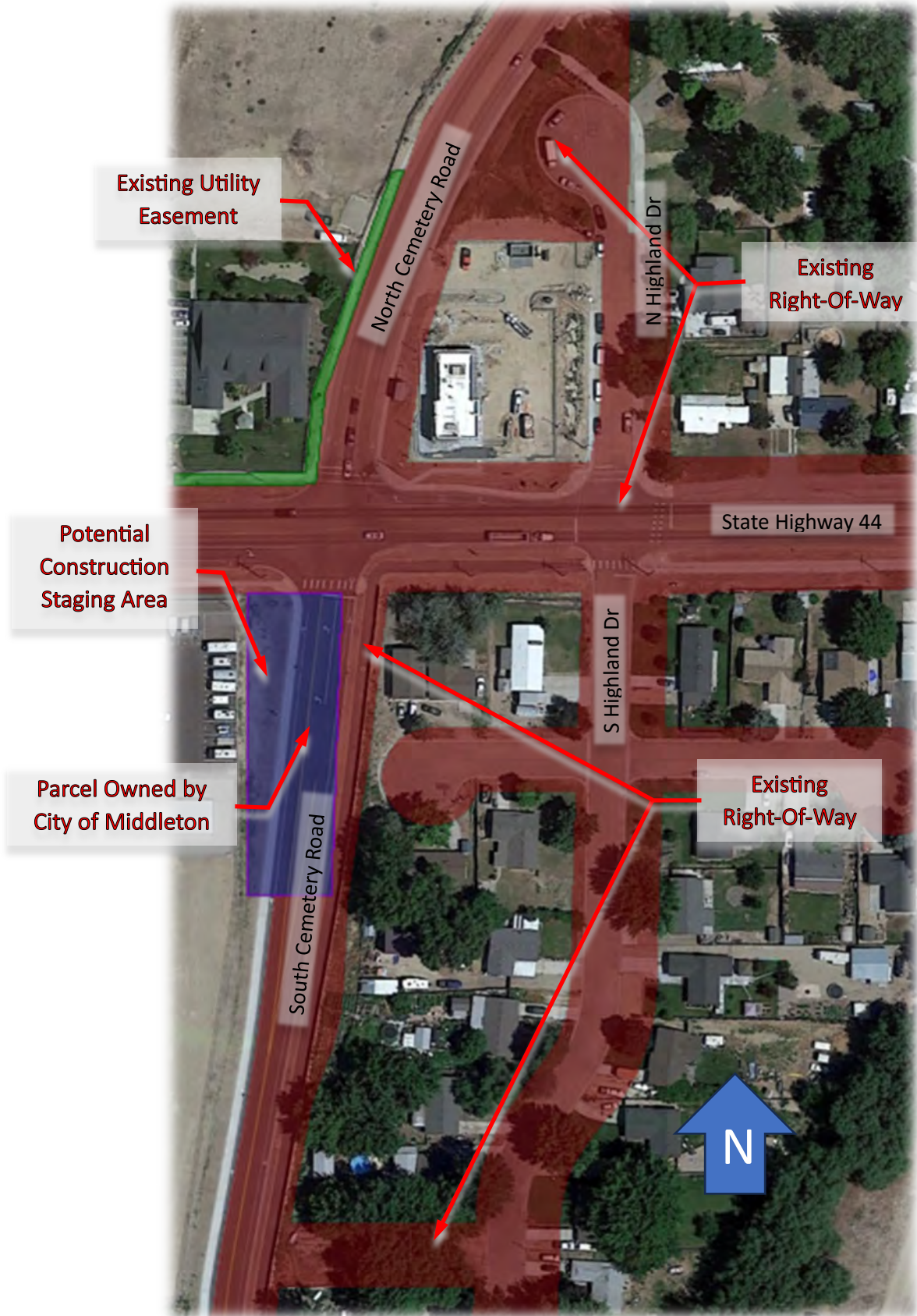
The following page shows all the properties necessary to construct the project and the respective type of secured right. Existing rights-of-way are depicted in red, fee simple parcels owned by the City of Middleton are depicted in blue, and an existing utility easement is shown in yellow.

Cemetery Road and ITD Rights-of-way have been verified within the *S Cemetery Rd; SH-44 to Willow Cr Roadway Project* and the *Int Cemetery Rd and SH 44, Middleton* project; both of which were federal aid projects. Documentation of the right-of-way for the access between South Highland Drive and Cemetery Road is provided in the Willow Creek plat included as Attachment 5. Tax parcel 18037101 0 is owned by the City of Middleton can be verified through the Canyon County assessors [website](#). Attachment 6 shows the dedication of a section of Cemetery Road south of tax parcel 18037101 0 which at the time of this document is being assembled appears to be listed incorrectly on the Canyon County Assessor's website as parcel 18037204 0.

Note that a utility easement granted from the property on the northwest corner of the intersection is depicted as a secured property right. It is likely that this property will not be within the project construction limits, but the property is available to the project if it is necessary. Documentation of this existing utility easement is included as Attachment 7.



Project Limits and Types of Secured Property Rights





4. Are your engineering plans ready to bid or will they be ready within 6 months of grant award? Provide explanation of progress to date, and evidence of current project development (plan set).

{Scoring Criteria: 75% plans or feasible to develop within 3 months of grant award (verified by scope)}

Bid Plans within 6 months of grant award.

Yes, the City will have the final design submittal (>75% design) by November 17th, 2023. Bid ready will be complete within 6 months of grant award. Please see the professional services task order with Precision Engineering included in as Attachment 8.

Explanation of Progress to date.

The City of Middleton has contracted with Precision Engineering, Inc. to create engineering plans for this project. That contract contains the following key milestones:

- Final Design Submittal (100% design): Contracted delivery date of November 17, 2023.
- “Issued for Bid” Plans, Specifications, and Engineers Estimate Completed: February 2, 2024

The 3 month and 6 month dates from the ITD Board’s Project Approval (October 18, 2023) are calculated as January 18, 2024 and April 18, 2024. The 100% design plans are under contract to be completed within 1 month of ITD’s project award. The project is capable of being bid, awarded, and proceeding with construction within 6 months of ITD Board Approval.

Evidence of Current Project Development

A pre-design report describing the warrants for signalizing this intersection, providing the justification for moving forward with the signalization, was previously completed in April of 2023. The report was done in partnership with, and incorporates review comments from, ITD. This report will allow the project to proceed without other planning efforts. The full report can be found on the City of Middleton’s [website](#)⁶.

The Task Order Authorizing Precision Engineering to undertake the design work was approved by the City Council on 6/7/2023 and is included as Attached 8.

A conceptual display depicting the existing survey work and conceptual design work completed by Precision Engineer is included as Attachment 3.

⁶ (<https://middleton.id.gov/Portals/0/PublicWorksDocs/23-04-10%20SH-44%20City%20of%20Middleton%20Traffic%20Study%20-%20FINAL%20-compressed.pdf>)



5. How does the project mitigate the impacts of state highway projects on local roads, OR why is the project economically significant and require the assistance of the Idaho Transportation Department? (limit 1 page)

{Scoring Criteria: Project mitigates the impact of a state highway project OR why the project is economically significant and requires assistance from ITD. Top Class: project is directly impacted by a state highway system project or funding a project would be economically infeasible for the local agency. 2nd Class: project is indirectly affected by a state highway system project or the project would be an economic hardship for the local agency.}

The Middleton region has seen unprecedented growth over the past twenty years. The City of Middleton has nearly doubled in population each of the past three decades. A city that was under 3,000 residents at the turn of the Century is now over 10,000 residents and making plans to serve 40,000 residents within the next 20 years. This is in addition to the greater Middleton's regional population currently estimated to exceed 16,000 people.

During this time, ITD's focus within the Treasure Valley has been on other regional capacity improvements including the expansion of I-84, creation of SH-16 Corridor, SH-55 & Karcher signals, and widening route 20/26. This has resulted in **the SH-44 section through Middleton being unchanged over the past 20 years**, save for a single developer funded traffic light onto South Middleton Road installed around 2010.

Year	City of Middleton Population	Data Source
2022	10,651	Idaho Census
2020	9,425	U.S. Census
2010	5,524	U.S. Census
2000	2,978	U.S. Census
1990	1,851	U.S. Census

ITD has recently initiated a Planning and Environmental Linkages (PEL) study to develop a long-term strategy for this section of SH-44 that reflects the current realities and needs of the corridor. Recognizing that modifications associated with this PEL study are not likely to be constructed for 8 to 15 years, the City and ITD have been meeting regularly to advance interim operational improvements within the corridor that can be completed within the existing right-of-way. The Cemetery Road intersection signalization project has been identified in those meetings as a priority improvement.

In 2023, City funds were used to complete a study evaluating interim operational improvements on SH-44 between Emmett Road and Duff Lane. The final recommendation of that study reads, **"Installation of a traffic signal at Cemetery [Rd] is the suggested next operational improvement that will be most effective in improving traffic flow through the City of Middleton and particularly the area adjacent to Middleton Middle School. Additionally, signalizing the Cemetery Rd intersection would improve mobility by providing a signalized north-south crossing of SH-44."** (Excerpts from this report is included as Attachment 9.)

The Cemetery Road signal proposed in this project has the further benefit of providing a logical U-turn location should ITD and the City determine there is a need to deploy further access management strategies along the Middleton commercial core as a further interim operational improvement.

Having, over the past 3 years, committed more than \$6 million in local traffic impact fees, developer pro-rata contributions, and City Transportation funds to constructing the **Hartley & SH-44 intersection signalization**, completing the **SH-44 Corridor Study**, construction of the **Sawtooth Road Roundabout** on the Middleton Road corridor, and the **engineering design of the Cemetery & SH-44 intersection signal**; the City is unable to fund the construction of the Cemetery signal in a timely manner. The Cemetery & SH-44 intersection is also within a section of Middleton largely developed and therefore is more difficult to fund through contributions associated with new land development. Having already undertaken the above investments, it is economically infeasible for the City to undertake the Cemetery Road signalization project outside of direct funding from ITD.



6. Do you have community support for your project? Include unique letters of support from the supporting partners including Local/Rural planning groups, Metropolitan Planning Organizations, law enforcement, fire department, police department, school district, local businesses, etc. (limit 5 single page letters)

{Scoring Criteria: Unique, diverse, and excellent letters or statements of support.}

The City of Middleton is pleased to provide the following letters from the project's supporting partners.

#1 Idaho State Representative Bruce D. Skaug

#2 Community Planning Association of Southwest Idaho (COMPASS) [Metropolitan Planning Organization]

#3 The Middleton Urban Renewal Board [Local Planning Group]

#4 Middleton School District #134 [School District]

#5 Middleton & Star Fire Districts, Middleton Police Department, and Canyon County Paramedic Department
[Fire Department, Police Department]



House of Representatives State of Idaho

August 3, 2023

**RE: SH-44 & Cemetery Road Intersection Signalization Project
ITD's Strategic Initiatives Grant Program**

This letter is intended to convey my strong support for the SH-44 and Cemetery Road Signalization project for which the City of Middleton is submitting an application to fund through the Strategic Initiatives Grant Program (FY2024 Local Transportation Project Grant Program).

While the population growth within Middleton and its surrounding environs within has increased substantially over the past twenty years, the SH-44 corridor has remained virtually unchanged while ITD has focused our region's transportation investments into other regional priorities.

Two issues associated with this corridor are prominent concerns with my constituents in District 10. The lack of protected turning options onto and off of SH-44, within Canyon County east of I-84, and the inability to adequately serve traffic flows to and from the Middleton Middle School, located along SH-44, within the City of Middleton. This good project is a critical next step in addressing both of those issues.

While I appreciate that ITD is partnering with local stakeholders to develop long term solutions for this section of SH-44, those improvements are years away from being implemented and therefore cannot address the current traffic problems.

The Strategic Initiative Grant Program is an ideal solution. I appreciate the project can be implemented immediately and so address our community's needs in a timely manner. This is exactly the type of impact I hoped for in voting for this legislation and fully recommend the SH-44 and Cemetery Road Signalization project for consideration of a Strategic Initiative Grant award.

Best Regards,

A handwritten signature in blue ink, appearing to be "B. Skaug".

Bruce D. Skaug
Idaho House of Representatives



Working together to plan for the future

August 8, 2023

Idaho Transportation Department
Director Scott Stokes
11331 W. Chinden Boulevard
Building 8
Boise, ID 83714

RE: City of Middleton's State Highway 44 and Cemetery Road Intersection Signalization Strategic Initiatives Grant Project Application

Dear Director Stokes:

The Community Planning Association of Southwest Idaho (COMPASS), the metropolitan planning organization for Ada and Canyon Counties, Idaho, supports the City of Middleton's proposed Strategic Initiatives Grant Program Category 2 Application to install a traffic signal at the intersection of State Highway 44 and Cemetery Road. The benefits of this project will enhance safety and accessibility along a corridor of State Highway 44 through the creation of signalized and protected turning movements onto the highway. The State Highway 44 corridor connects Interstate I-84, the Cities of Middleton, Star, and Eagle, and is a regionally significant route that has experienced tremendous population growth over the past twenty years. As other transportation corridors in the region have undergone improvements, State Highway 44 through the City of Middleton should be the next corridor in the region to be invested in to keep pace with population growth.

This project is aligned with the goals of the regional long-range transportation plan, *Communities in Motion 2050*, including:

- Provide a safe transportation system for all users.
- Develop a regional transportation system that provides access and mobility for all users via safe, efficient, and convenient transportation options.
- Preserve and maintain existing transportation infrastructure.
- Manage and reduce congestion with cost-effective solutions to improve the efficiency of the transportation system.
- Provide a reliable transportation system to ensure all users can count on consistent travel times for all modes.

COMPASS supports this \$1,972,300 request and the benefits it will create with improved safety and livability in the City of Middleton and throughout southwest Idaho. Your serious consideration of this grant request is greatly appreciated.

Sincerely,

A handwritten signature in black ink, appearing to read 'Matthew J. Stoll', written over a horizontal line.

Matthew J. Stoll
Executive Director

MC:tg T:\FY23\600 Projects\685 Resource Development\A - Grant Assistance and Applications\Middleton\COMPASS LOS SIG City of Middleton Draft.docx

c: Scott Luekenga, Planning and Development Manager, Idaho Transportation Department
Honorable Steven Rule, Mayor, City of Middleton
Jason Van Gilder, Public Works Director, City of Middleton



Middleton Urban Renewal Agency
P.O. Box 37
Middleton, ID 63644
middletonura@gmail.com

August 21, 2023

Re: SH-44 & Cemetery Road Intersection Signalization Project

The Middleton Urban Renewal Agency supports the installation of a traffic signal at the intersection of SH-44 and Cemetery Road. We anticipate this signal will significantly aid in economic development of the Middleton East Urban Renewal Area formed in 2022. This Urban Renewal Area is revitalizing areas south and southeast of Middleton's downtown core.

Although the intersection is located outside of the Urban Renewal Area's boundaries and ineligible for urban renewal funding, the SH-44 and Cemetery Road intersection is a primary access point to this area. The following prominent, regional benefit from this signal improvement is worth highlighting.

The Middleton Urban Renewal Agency is undertaking a private/public partnership of a 20+ acre commercial site and an 80+ acre regional destination park along the Boise River. Both amenities will benefit from the vehicular and pedestrian travel through the Cemetery Road corridor. As it stands today the effectiveness of the Cemetery Road corridor is limited by the lack of protected turning access onto SH-44 at the Cemetery Road intersection.

Installing a traffic signal at this location is key to developing the vehicular and pedestrian routes into the Urban Renewal District, enabling traffic to avoid the most congested sections of SH-44 through downtown Middleton, and accessing the key destinations planned within the Middleton East Urban Renewal District.

For these reasons, the Middleton Urban Renew Board supports undertaking the SH-44 and Cemetery Road Intersection Signalization Project as an economically significant and regionally important project.

Sincerely,

A handwritten signature in dark ink, appearing to read "Brett Bishop", written over a horizontal line.

Brett Bishop, Board Chairman



Middleton School District #134

Every Child Learning Every Day

Marc Gee

Superintendent

Lisa Pennington

Assistant Superintendent

Alicia Krantz

Business Manager/Treasurer

Paige Goodson

Director of Curriculum and
Assessment

Whitney Shexnider

Director of Special Services

Nick Davis

Technology Director

August 1, 2023

Re: SH-44 & Cemetery Road Intersection Signalization Project

To Whom It May Concern:

The Middleton School District supports the installation of a traffic signal at the intersection of SH-44 and Cemetery Road.

This intersection is south of our Middleton Heights Elementary and immediately west of our Middleton Middle School and Middleton Academy site. The impact of this intersection to our Middle School site is particularly problematic as the traffic volumes on SH-44 have risen to the level that pick-up and drop off times often result in traffic reaching a complete standstill on SH-44 in front of the school.

Along with increased vehicular and pedestrian safety at the intersection, we anticipate the traffic light will provide breaks in the flow of traffic that will allow our buses and parents to safely enter and exit the state highway more efficiently. The Middleton School District supports moving forward with the installation of a traffic signal at the Cemetery Road and SH-44 intersection as a project likely to have significant benefits in addressing traffic congestion and improving safety for our students, parents, teachers, and bus drivers.

Please reach out if you have any questions regarding the impact of this project on our schools.

Sincerely,

A handwritten signature in black ink, appearing to read 'Marc C. Gee', written in a cursive style.

Marc C. Gee

Superintendent

Middleton School District

5 South Viking Avenue
Middleton, ID 83644

(208) 585-3027
msd134.org



**Middleton Star Fire
Districts**

11665 West State St, Suite B
Star ID 83669



**Canyon County
PARAMEDICS**

6116 Graye Ln
Caldwell, ID 83607



**Middleton Police
Department**
6 N. Dewey Ave.
Middleton, ID

August 1, 2023

Re: SH-44 & Cemetery Road Intersection Signalization Project

The Middleton Star Fire District, Canyon County Paramedics, and the City of Middleton's Police Department are writing jointly to express support for the installation of a traffic signal at the intersection of SH-44 and Cemetery Road. As first responders we are well aware of the safety hazards inherent in that intersection as currently configured.

In addition to the difficult vehicular movement across SH-44, the proximity of this intersection to the Middleton Middle School, Piccadilly Park, The Cottages Assisted Living Facility, and Middleton Heights Elementary; combined with the lack of signal-protected crosswalks, make improving this intersection a priority recommendation for our agencies.

We also support the access modifications planned to South Highland Drive and North Highland drive within this project. Restricting lefthand turning movements across SH-44 from two collector roadways would be a positive safety improvement. The proposed creation of a second access points for each of the two residential areas will correct a safety concern by allowing better emergency response access.

Each of our three agencies, individually and collectively, support the installation of a traffic signal at the Cemetery Road and SH-44 intersection.

A blue ink signature of Fire Chief Greg Timinsky.

Fire Chief Greg Timinsky
Middleton Star Fire District

A blue ink signature of Chief Michael Stowell.

Chief Michael Stowell
Canyon County Ambulance
District

A blue ink signature of Police Chief Jeff Smith.

Police Chief Jeff Smith
Middleton Police
Department



Attachments

1. FY2024 Local Transportation Project Grant Program Agreement Form executed by Middleton Mayor Steve Rule dated 7/5/2023.
2. Project Schedule
3. SH-44 and Cemetery Road Intersection Signalization Project Conceptual Display prepared by Precision Engineering.
4. Project Cost Estimate
5. Excerpts from the Willow Creek Subdivision plat documenting the right-of-way between Highland Drive and Cemetery Road.
6. Excerpts from the Final Plat of TD&D Subdivision documenting a portion of the Cemetery Road right-of-way.
7. Excerpts from the Plat of The Cottages Subdivision documenting the utility easement at the northwest corner of the Cemetery Road and SH-44 Intersection.
8. On-Call Professional Services Task Order with Precision Engineering - Task Order Precision #4 including the signed cover page, scope of services letter, and design schedule.)
9. Excerpt from SH-44, Emmett Rd to Duff Ln, Middleton Traffic Study prepared by Precision Engineering dated April 10, 2023. (Cover page and Page 17 containing the General Observations and Recommendations.)

Attachment 1

FY2024 LOCAL TRANSPORTATION PROJECT GRANT PROGRAM AGREEMENT FORM

Please complete the form with the appropriate signing authority at the bottom of the form. Return the form with your completed application.

Local Highway Jurisdiction: City of Middleton

Signing Authority: Steven J. Rule

Position: Mayor

Project Name: SH44 and Cemetery Road Intersection Signalization

Receiving this grant requires the Local Highway Agency to agree to the following program requirements:

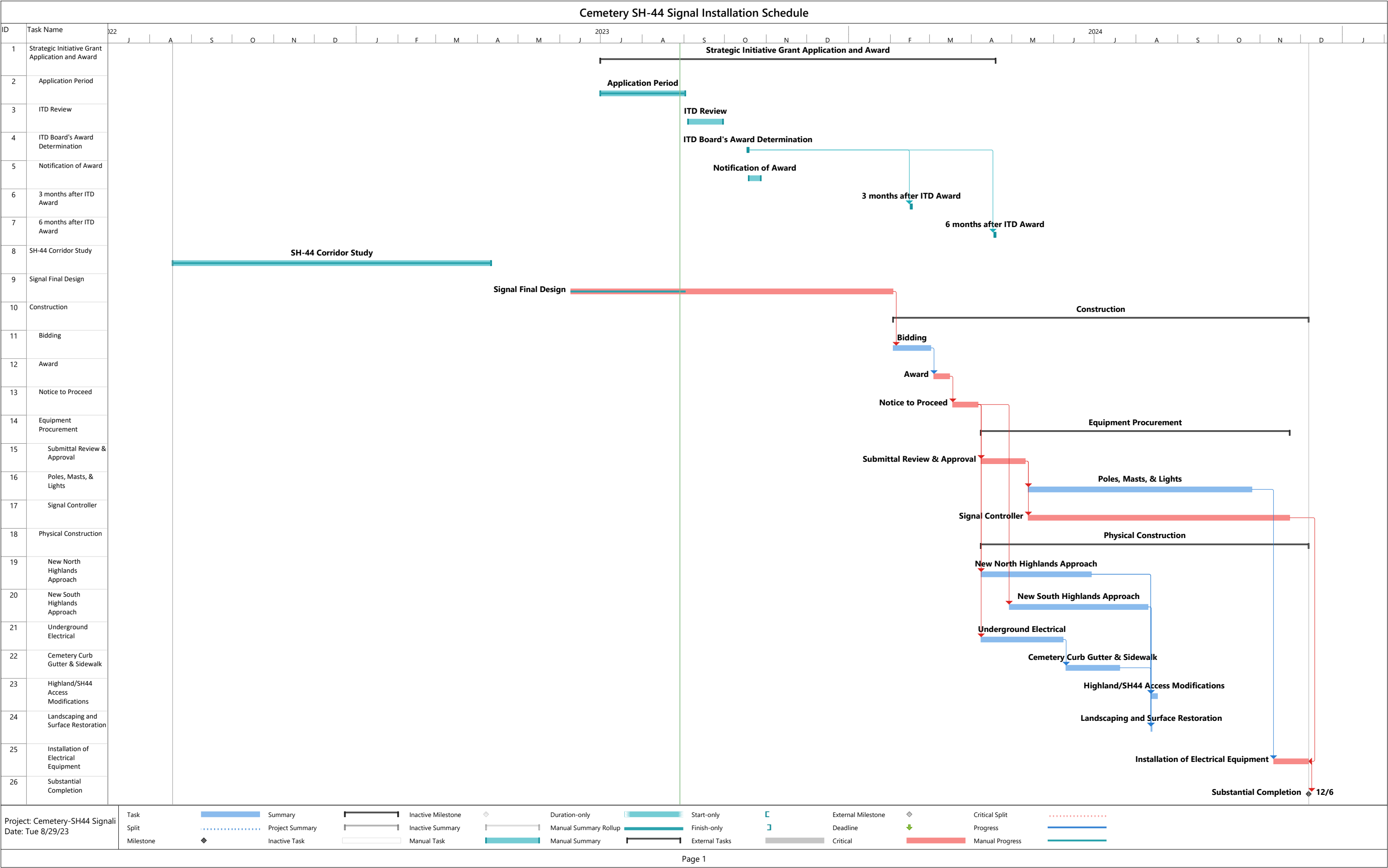
- Prepare plans and bid documents
- Provide a construction schedule before construction begins
- Follow State Procurement Rules for advertising, bidding and award of contracts
- Provide construction oversight and project administration
- Provide a project close-out report including a summary of project accounting, and before and after pictures upon project completion
- Complete project construction

ACKNOWLEDGED BY

SIGNATURE

7-5-2023
DATE

Attachment 2



Page 1

CEMETERY ROAD AND SH44 INTERSECTION, MIDDLETON
CONCEPT DISPLAY



Attachment 4



Cemetery Road and State Highway 44 Traffic Signal

August 1, 2023

Conceptual Design - Opinion of Probable Construction Costs

ITEM DESCRIPTION	EST QUANTITY	UNITS	UNIT PRICE	ITEM TOTAL
REM OF OBSTRUCTIONS	1	LS	\$ 35,793.51	\$ 35,793.51
REM OF CONC SIDEWALK	278	SY	\$ 62.27	\$ 17,311.06
REM OF ASPALT SIDEWALK	125	SY	\$ 56.00	\$ 7,000.00
REM OF CURB & GUTTER	587	FT	\$ 58.61	\$ 34,404.07
EXCAVATION	1,282	CY	\$ 54.80	\$ 70,253.60
WATER FOR DUST ABATEMENT	350	MG	\$ 6.25	\$ 2,187.50
FIBER WATTLE	500	FT	\$ 2.65	\$ 1,325.00
WATER POLLUTION AND EROSION CONTROL	1	LS	\$ 7,836.45	\$ 7,836.45
GRANULAR SUBBASE	1,950	TON	\$ 36.75	\$ 71,662.50
3/4" AGGR TY A FOR BASE	875	TON	\$ 39.82	\$ 34,842.50
CSS-1 DIL EMUL ASPH FOR TACK COAT	25	GAL	\$ 11.23	\$ 280.75
MISC PAV	975	SY	\$ 93.45	\$ 91,113.75
SUPERPAVE HMA PAV INCL ASPH&ADD CL SP-3	970	TON	\$ 246.69	\$ 239,289.30
SIDEWALK	300	SY	\$ 84.72	\$ 25,416.00
CURB RAMP - Perpendicular	208	SY	\$ 209.94	\$ 43,667.52
CURB & GUTTER TYPE 2	1,075	FT	\$ 54.01	\$ 58,060.75
CENTER MEDIAN	310	FT	\$ 65.00	\$ 20,150.00
TEMPORARY TRAFFIC CONTROL SIGNS	540	SF	\$ 5.56	\$ 3,002.40
BARRICADE TY 2	4	EACH	\$ 111.19	\$ 444.76
DRUMS	100	EACH	\$ 27.53	\$ 2,753.00
TRAF CNTL MAINTENANCE	60	HR	\$ 47.34	\$ 2,840.40
FLOOD LIGHTS	60	HR	\$ 208.62	\$ 12,517.20
FLAGGER CONTROL	40	HR	\$ 46.07	\$ 1,842.80
WEIGHTED BASE TUBULAR MARKERS	200	EACH	\$ 13.77	\$ 2,754.00
PAVEMENT MARKINGS - PREFORMED THERMO	2,100	SF	\$ 10.91	\$ 22,911.00
LONGITUDINAL PAV MKG- WATERBORNE	16,000	FT	\$ 0.42	\$ 6,720.00
SUBGRADE SEPARATION GEOTEXTILE	800	SY	\$ 2.81	\$ 2,248.00
TRAF SIGNAL INSTALLATION	1	LS	\$ 521,441.56	\$ 521,441.56
SURVEY	1	LS	\$ 34,840.43	\$ 34,840.43
DIRECTED SURVEYING OFFICE COMPUTATIONS	1	CA	\$ 5,294.90	\$ 5,294.90
DIRECTED SURVEYING CREW	1	CA	\$ 5,294.90	\$ 5,294.90
OBLITERATION OF PAV MARKINGS	1,000	SF	\$ 3.76	\$ 3,760.00
REM & RESET SIGN	5	EACH	\$ 704.22	\$ 3,521.10
MULTIPLE APPROACH RADAR DETECTION SYSTEM	1	LS	\$ 71,936.49	\$ 71,936.49
PRE-EMPT DETECTION SYSTEM	1	LS	\$ 30,461.55	\$ 30,461.55
RESHAPE IRRIGATION DITCH	25	FT	\$ 93.40	\$ 2,344.34
CULVERT	40	LF	\$ 80.00	\$ 3,200.00
LANDSCAPE REPAIR	75	SY	\$ 93.45	\$ 7,008.75
HYDROSEEDING	1,800	SY	\$ 3.34	\$ 6,012.00
MOBILIZATION	1	LS	\$ 155,114.88	\$ 155,114.88
RECORD DRAWINGS	1	EACH	\$ 635.39	\$ 635.39
ADJUST MANHOLE	3	EACH	\$ 1,244.30	\$ 3,732.90
REMOVE AND REPLACE FENCE	440	LF	\$ 75.00	\$ 33,000.00
Construction Costs \$				1,707,000.00
5% Contingency \$				86,000.00

Notes: Opinion of probable construction costs prepared by J. Van Gilder, PE with input from Precision Engineering on 8/1/2023

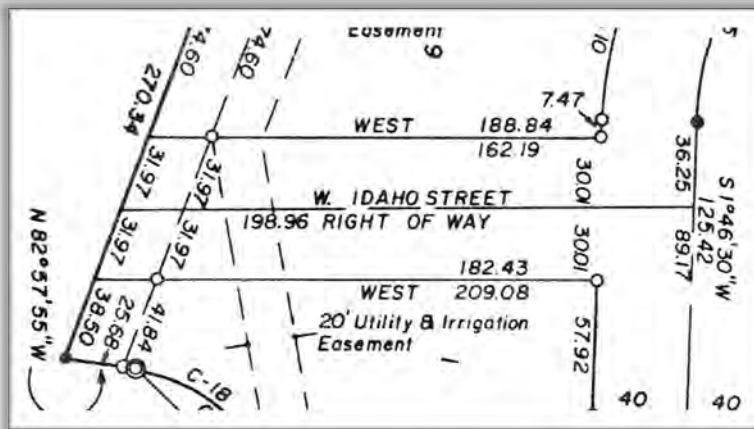
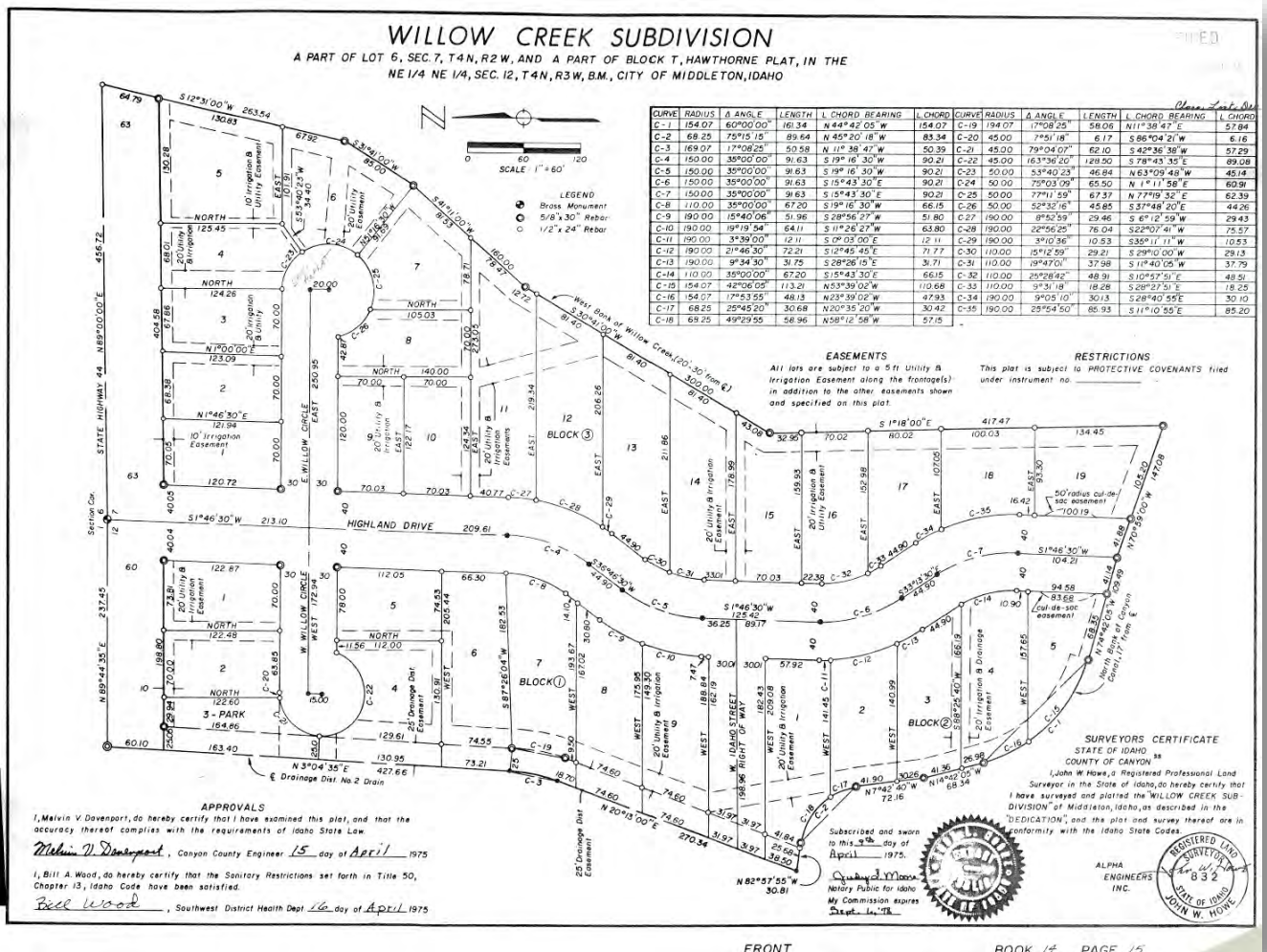
Construction Costs have been rounded up to the thousand dollars

Prices based on bids received on 9/15/2022 for a similar intersection in City of Middleton limits and increased by 5.9% to account for inflation between Sept '22 and March '24. (Est of ENR CCI for Mar 2024: 13949.94)



Attachment 5

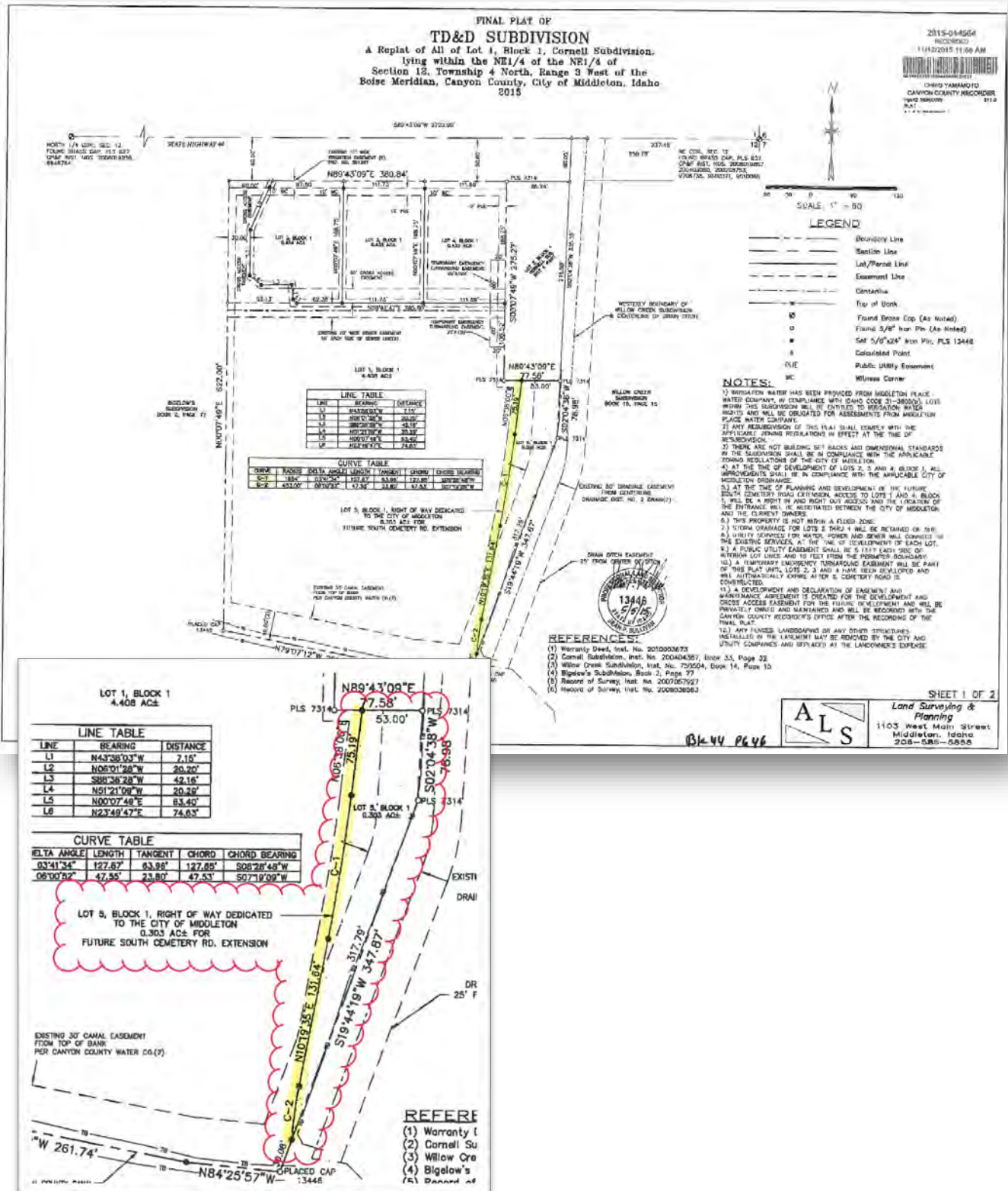
Excerpts from the plat of the Willow Creek Subdivision documenting a public right of way between Highland Drive and Cemetery Road.





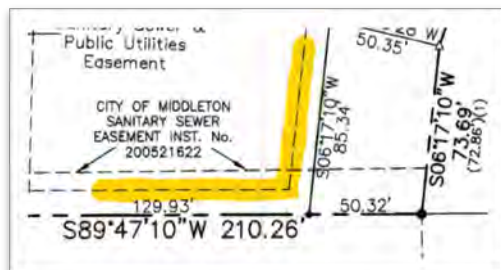
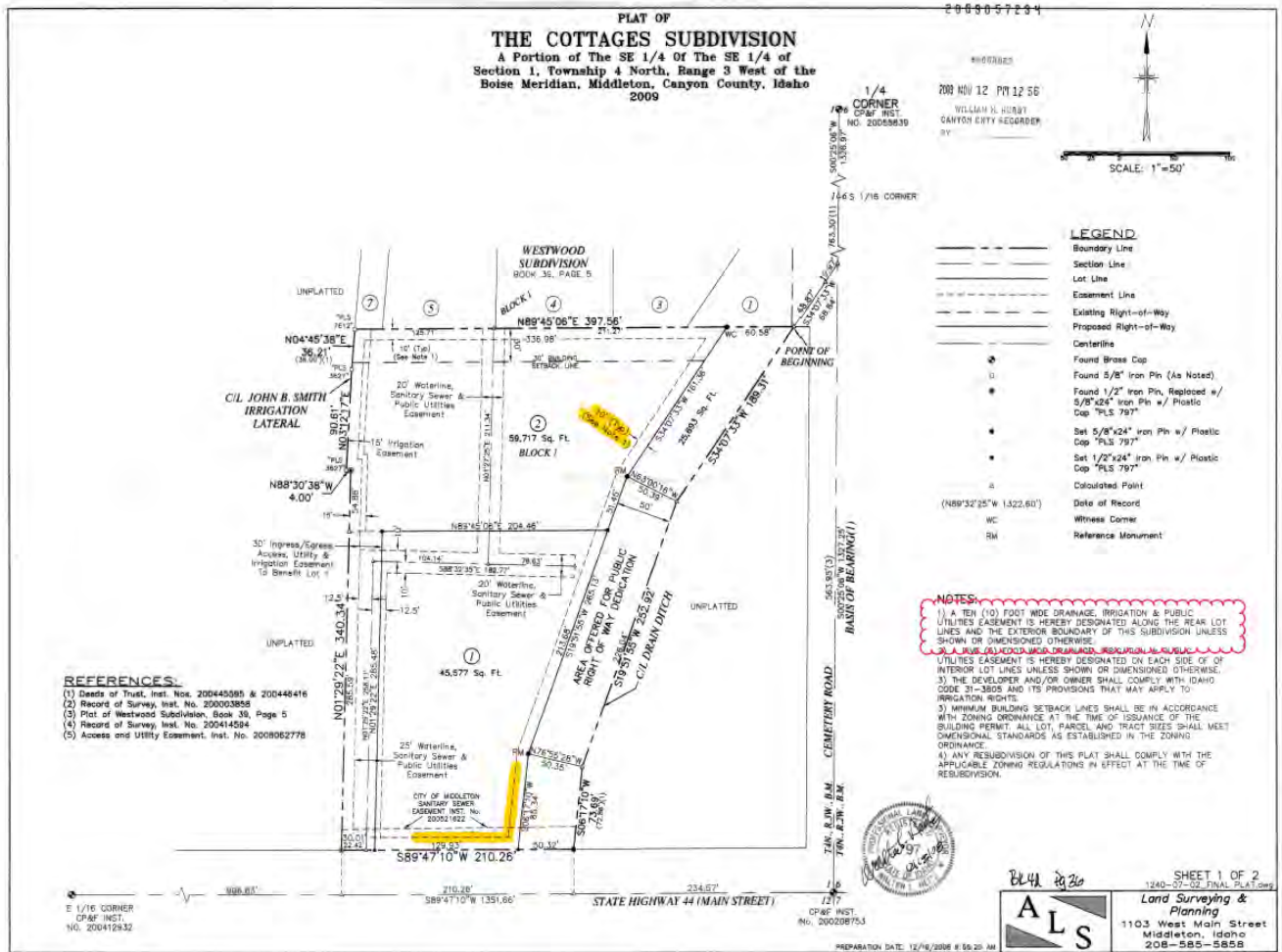
Attachment 6

Excerpts from the Final Plat of TD&D Subdivision documenting the public right of way dedication to the City of Middleton for Cemetery Road. Note: At this time of the grant submission, this property appears to be listed incorrectly on the County Assessor's website as a parcel owned by TD&D.



Attachment 7

Excerpts from the plat of The Cottages Subdivision documenting a public utility easement along the northwest corner of the Cemetery Road and SH-44 Intersection.



~~NOTES:~~

- 1) A TEN (10) FOOT WIDE DRAINAGE, IRRIGATION & PUBLIC UTILITIES EASEMENT IS HEREBY DESIGNATED ALONG THE REAR LOT LINES AND THE EXTERIOR BOUNDARY OF THIS SUBDIVISION UNLESS SHOWN OR DIMENSIONED OTHERWISE.



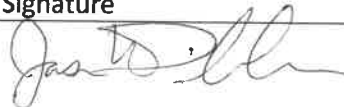
City of Middleton

1103 W. Main, Middleton, ID 83644
208-585-3133 www.middletoncity.com

Attachment 8

On-Call Professional Services Task Order

Consultant Name:	Precision Engineering
Task Order Number:	Precision #4
Project Number:	P23-10 Cemetery – SH44 Signalization
Scope of work:	Design of a traffic control signal at the intersection of SH44 and S. Cemetery Road including the additional connections to Cemetery Road from North and South Highland Drive necessitated by the installation of this signal as described in Precision Engineering's Scope of Work, Budget & Schedule dated May 25, 2023.
Budget for Services:	Not to Exceed \$185,025.00.
Schedule:	Scope of Work, Budget & Schedule letter dated May 25, 2023
Budget Code:	02-431-430 Streets – Prof Fees Engineer
Primary City Contact:	Jason Van Gilder, Public Works Director

Consultant Acceptance		
_____	_____	_____
Title	Name	Date
Authorization (Mayor's signature required only for tasks in excess of \$4,999)		
Title	Signature	Date
Public Works Director:		6/9/2023
Treasurer:		
Mayor:	SEE MAYOR'S INITIALS ON PAGE 6 OF THE ATTACHED LETTER. APPROVED BY CITY COUNCIL ON 6/7/2023	

May 25, 2023

Jason Van Gilder, P.E.
Public Works Director
City of Middleton (COM)
1103 West Main Street
Middleton Idaho, ID 83644

Subject: Cemetery Road and SH44 (Main St) Traffic Signal Scope of Work, Budget & Schedule

Dear Mr. Van Gilder,

Please find below our Scope of Work and fee proposal for our professional services. Thank you for the opportunity and we look forward to working with you and COM on this project. Please review this information and contact our office with any questions.

PROJECT UNDERSTANDING

The purpose of this project is to install a fully actuated traffic signal at the intersection of Cemetery Road and SH44. This will also include restricting Highland Drive to right-in, right-out on both the north and south sides of SH44. To accommodate the left turning traffic from Highland Drive on the north leg the cul-de-sac will be removed, and Highland Drive will be extended to intersect with Cemetery Road. South of SH44 a new road (approximately 200-ft) will be constructed to connect Highland Drive to Cemetery Road. The new segment will be constructed within the existing City of Middleton ROW located approximately 650-ft south of SH44 within the Highlands Subdivision.

The project will consist of a Concept review which will approve the proposed improvements before proceeding to final design. For the purpose of this scope of work, we assume that the improvements consist of the following:

- Install a fully-actuated traffic signal with intersection lighting on the signal poles. Design the traffic signal with radar detection to ITD Standards.
- The signal will accommodate for Accessible Pedestrian Signal (APS) push buttons, with a minimum 10' pole separation per MUTCD and ADA.
- Construct new ADA compliant pedestrian ramps as needed on all four corners of the intersection of Cemetery Rd and SH44.
- Construct two new T – intersections on Cemetery Rd, one north and one south of SH44, it is assumed Highland Dr will be stop controlled at both locations.
- It is assumed the left turn restriction to and from Highlands Drive will be accomplished with median and/or curbing on SH44. The Highland Drive intersection (north and south) will be retained in the current configuration.
- Install new pavement markings and signing as necessary for the proposed improvements.
- The existing storm drain and irrigation systems will be retained and protected on SH44. It is assumed that additional drainage improvement will be required at the new the Highland Dr intersections.
- Precision will coordinate with utilities in conjunction with COM for the relocation of utilities as needed.
- Improvements to the intersection of SH44 and Cemetery Rd are limited to a traffic signal sidewalk repair, minor asphalt repair, sprinkler, and landscape repair as necessary to install junction boxes, conduit, and signal poles on SH44. This scope of work assumes the existing intersection

configuration will be retained, no additional lanes or storage length will be required. In the event this changes as the design progresses, it will be completed as a supplemental.

- It is assumed all improvements will be completed within the existing Right-of-Way, work to complete additional ROW would be completed as a supplemental.

The project development consists of the following:

- Precision will prepare the plans, specifications and estimates to ITD Standards and supplementals; Precision will attend the Concept and Final Design Review Meetings; Precision will summarize the review comments and address them as necessary.
- It is assumed the COM will request and pay for any necessary title commitments as needed to determine the existing ROW, assume 5 or 7.
- No Public Information Meeting is anticipated and is not included in this Scope of Work.
- It is anticipated the traffic control plans will consist of lane shifts setups and flagging to install the signal mast arms for SH44.
- A SWPPP will not be prepared for this project however, erosion control bid items will be identified on the plans, cost estimate and bid schedule.

The following represents our understanding of the tasks required to execute the Scope of Work:

SCOPE OF WORK

TASK I – Field Surveys (Civil Survey Consultants)

Civil Survey Consultants shall complete topographic surveying along the intersection of Cemetery Rd and SH44, beginning 150 feet west of Cemetery Rd and ending 400 feet east of Cemetery Rd, 150 feet south of SH44 to 600 feet north of SH44. Additionally, the existing cul-de-sac and surrounding area on the north end of Highland Drive, immediately east of Cemetery Road, will be surveyed. The unopened ROW area between Cemetery Road and Highland Drive, located approximately 650 feet south of SH44 will be surveyed also. Cross sections of all roadways will be taken at 50' stations. Topographic information will include edge of asphalt, lip of gutter, back of curb, striping, back of sidewalk, centerline, driveway approaches, business signs, and visible utilities including water lines, sewer lines, overhead power poles and lines, gas, telephone and fiber optic lines that are located by Digline. The limits of the survey will be 5-ft beyond the existing right of way lines where possible. All topographic data will be tied vertically to NAVD 88 datum. The horizontal datum will be tied to the local City of Middleton modified Idaho State Plane coordinate base at ground. All data collected will be observed with a robotic total station or by RTK GPS. Property owners will be researched, and property lines will be shown graphically as per the current deeds. This project is not anticipated to require additional right-of-way. This scope of work does not include legal descriptions, ROW staking or record of survey.

The deliverable for this task consists of:

- 2D Topographical Survey Cad drawing including Existing ROW
- Alignment, and Point files
- Tie vertical control and provide at least four temporary benchmarks

TASK II – Geotechnical Investigations (Not Required)

It is assumed a geotechnical report will not be prepared for this project. The improvements on SH44 are limited to minor surface repair and the installation of a traffic signal. The previously prepared geotechnical information from the Highland Dr project will be utilized for the ground water depth and the City of Middleton standard local road typical section will be utilized for roadway sections on Highlands

Drive. In the event a geotechnical is required it would be completed as a supplemental to this scope of work.

TASK III – Concept Design

Intersection Concept Design: Precision shall develop a Concept design and prepare a concept plan illustrating the proposed improvement for one (1) alternative. No construction estimates are included with this task. Precision will prepare the following deliverables for the Concept Design Review Meeting:

- Electronic PDF copy of the overall improvements as a roll plot

Concept Design Review Meeting: Precision will attend the Concept Design Review Meeting to review the 30% design review. Precision will prepare meeting notes and incorporate COM's and ITD's comments into the Final Design submittal. The deliverables for this task are:

- Summary of Concept Design Review Comments and Responses

TASK IV – Final Design

Final Roadway Design: Precision shall develop final design of the roadway, intersection, and traffic signal improvements. Precision will prepare the following deliverables for the Final Design Review Submittal (11"X17" sheet size):

- 1 – Title Sheet
- 1 – Project Control Sheet
- 2 – Typical Sections
- 3 – Miscellaneous Construction Details
- 4 – Plan and Profile Sheets (1"=40')
- 1 – SH44 and Cemetery Intersection Plan Sheet (1"=40')
- 2 – Intersection Grading Plan

Final Drainage Design and Irrigation Design: It is assumed the storm drainage will be collected in the curb and gutter and discharged into local swales and/or seepage beds within the right-of-way along the roadway at the intersections of Cemetery Rd and Highland Drive. This scope of work does not include the design of a storm drain detention/retention pond. It is assumed due to limited improvements (traffic signal install) at the intersection of SH44 and Cemetery Road drainage design will not be completed for this intersection.

Precision will identify the existing gravity irrigation systems and will perpetuate the existing system flows. Precision will coordinate with property owners for proposed gravity irrigation improvements. Precision will prepare the following deliverables for the Final Design Review Submittal (11"X17" sheet size):

- 5 – Storm Drain and Gravity Irrigation Profile Sheet (1"=40')
- 1 – Storm Drain Detail Sheet

Final Traffic Design: Precision will perform final design of the traffic signal and signing and pavement markings. Comments received from the Concept Design Review will be incorporated into the final design. Precision will prepare the following deliverables for the Final Design Review Submittal (11"X17" sheet size):

- 2 – Traffic Signal Material Sheets
- 1 – Traffic Signal Plan Sheets (1"=40')
- 7 – Traffic Signal Detail Sheets
- 2 – Intersection Lighting Sheets, for the two Highlands and Cemetery Rd intersections,

- 4 – Signing and Pavement Markings Plan Sheets (1"=40')
- 4 – Traffic Control Plans Sheets

Special Provisions, Construction Cost Estimate and Bid Schedule: Precision will prepare the following deliverables for the Final Design Review Submittals:

- Contract Documents and Special Provisions based on the ITD Standards
- Construction Cost Estimate
- Bid Schedule

Final Design Review Submittal: Precision will perform an internal review of the submittal. Precision will submit the plans, specifications and estimate for the Final Design Review. COM to transmit review documents to all appropriate entities as they deem necessary. Precision will prepare and submit the Final Design Review Submittal consisting of:

- 2 - Individually Sets of 11"X17" Construction Plans (40 Sheets)
- 2 - Copies of the Special Provisions
- 2 - Copies of the Bid Schedule
- 2 - Copies Final Design Review Engineer's Construction Cost Estimate
- 1 - PDF file for each of the above items

Final Design Review Meeting: Precision will attend the Final Design Review Meeting and prepare a summary of, and responses to, the review comments to be submitted with the PS&E Submittal. The deliverable for this task is:

- Summary of Final Design Review Comments

TASK V – PS&E Design Submittal

PS&E Submittal: Precision will address the Final Design Review comments on the drawings, special provisions, bid schedule and construction cost estimate. Precision will perform an internal review of the submittal and prepare and submit the PS&E Submittal consisting of the following:

- 1 - Set of Signed and Sealed 11"X17" Drawings
- 1 - Set of Signed and Sealed Special Provisions
- 1 - Bid Schedule
- 1 - Construction Cost Estimate
- 1 - Copy Summary of Final Design Review Comments
- 1 - CD containing the project files

TASK VI – Right-of-Way (Not Required)

No effort for Right-of-way is included in this Scope of Work.

TASK VII – Project Management

Coordination and Meetings: Precision will meet with COM on an as-needed basis to discuss project status and any outstanding issues, and coordinate with COM regarding data requests and project procedures.

Project Management: Precision will prepare and submit monthly invoices, status reports. Precision will provide general project oversight and administration. The deliverable for this task is:

- Monthly Payment Request with Status Report

TASK VIII – Bid Assistance

Precision will prepare agenda and conduct meeting with City staff and interested parties to discuss project, answer contractor questions with addendum(s), participate in the bid opening, and prepare recommendation for award.

Assumptions:

- City will provide the location/room for the Pre-Bid Meeting
- Two (2) Precision representatives will attend the meeting
- Hard copy bid sets (plans and specs) will not be provided by Precision

TASK IX – Management Directive (Contingency Task)

This task contains additional hours to be utilized at COM’s directive. The scope of this task is undetermined at the time of development of this scope of work, as such they are contingent upon additional information as the project progresses. Therefore, the level of effort for the work is limited to the budget established in the contingency task. A supplemental will be required if the work exceeds the estimated contingency amount.

DESIGN SCHEDULE

The following are the anticipated project Milestones, subject to change based on receipt of notice to proceed and barring any unforeseen weather delays during the surveying.

Notice to Proceed	Assumed June 15, 2023
Complete Topo Survey	August 4, 2023
Concept Design Submittal	September 15, 2023
Concept Design Review Meeting	September 28, 2023
Final Design Submittal	November 17, 2023
Final Design Review Meeting	December 6, 2023
PS&E Submittal	February 2, 2024

BUDGET (LUMP SUM NOT TO EXCEED)

LABOR HOURS		Principal	PE	TOTAL
TASK 1	FIELD SURVEYS (Civil Survey)			
1.1	Survey Coordination	8	0	8
	TASK 1 TOTAL	8	0	8
TASK 2	Geotechnical Investigation (Not Required)			
	TASK 2 TOTAL	0	0	0
TASK 3	CONCEPT DESIGN (30%)			
3.1	Prepare Concept Roadway Design (1 Alternative)	24	60	84
3.2	Concept Design Review Meeting	2	2	4
	TASK 3 TOTAL	26	62	88
TASK 4	FINAL DESIGN (95%)			
4.1	Final Roadway Design			
	Prepare Roadway Design Files	16	48	64
	Title Sheet (1)		2	2
	Project Control Sheet (1)		8	8
	Typical Section Sheets (2)	6	38	44
	Miscellaneous Construction Details (3)	8	40	48
	Plan and Profile Sheets (4)	30	105	135
	SH44 and Cemetery Intersection Plan Sheet (1)	6	32	38
	Intersection Grading Plan (2)	10	48	58
4.2	Final Roadway Design			
	Prepare Storm Drain Design Files	6	32	38
	Storm Drain and Gravity Irrigation Profile Sheet (4)	8	48	56
	Storm Drain Detail Sheet (2)	6	32	38
4.3	Final Traffic Design			
	Prepare Traffic Design Files	16	24	40
	Traffic Signal Material Sheet (2)	2	16	18
	Traffic Signal Plan Sheet (1)	6	24	30
	Traffic Signal Detail Sheets (7)	8	50	58
	Intersection Lighting Sheets (2)	2	24	26
	Signing and Pavement Markings Sheets (4)	8	16	24
	Traffic Control Sheets (4)	4	30	34
4.4	Special Provisions, Cost Estimate and Bid Schedule	12	2	14
4.5	Final Design Review Submittal	8	4	12
4.6	Final Design Review Meeting	2	2	4
	TASK 4 TOTAL	164	625	789
TASK 5	PS&E SUBMITTAL (Address Final Design Review Comments)			
5.1	PS&E (100%) Submittal			
	Address Comments and Prepare PS&E	16	80	96
	TASK 5 TOTAL	16	80	96
TASK 6	RIGHT-OF-WAY (Not Required)			
	TASK 6 TOTAL	0	0	0
TASK 7	PROJECT MANAGEMENT			
7.1	Coordination and Meetings	8		8
7.2	Project Management / Invoicing	50		50
	TASK 7 TOTAL	58	0	58
TASK 8	BIDDING ASSISTANCE			
8.1	Bid Support	16	10	26
	TASK 8 TOTAL	16	10	26
TASK 9	AS DIRECTED / AS NEEDED			
9.1	Management Reserve (Contingency Amount)	32	8	40
	TASK 9 TOTAL	32	8	40
TOTAL LABOR HOURS		320	785	1105

BUDGET				
	HOURLY RATE	TOTAL HOURS	HOURLY RATES	TOTAL COST
LABOR				
Principal Engineer (PE, POTE)		320	\$ 160.00	\$ 51,200.00
Project Engineer(s) (PE)		785	\$ 145.00	\$ 113,825.00
TOTAL LABOR		1105		\$ 165,025.00
SUBCONSULTANTS				
Civil Survey Consultants (Topographic Survey)				\$ 20,000.00
TOTAL DIRECT EXPENSES				\$ 20,000.00
TOTAL LUMP SUM BUDGET				\$ 185,025.00

FINAL REPORT

SH-44, Emmett Rd to Duff Ln, Middleton Traffic Study



APRIL 10, 2023

PREPARED FOR:

CITY OF MIDDLETON

PREPARED BY:

PRECISION
ENGINEERING



- **Corridor Travel Times**

- 2025 Build vs No Build – No significant differences in end-to-end travel time were found with the addition of traffic signals to the corridor. Eastbound travel times experienced approximately 5-8 seconds of additional delay and westbound travel experienced approximately 17-20 seconds of additional delay.
- 2035 Build vs No Build – Travel times were more impacted by the addition of traffic signals in with 2035 traffic. Eastbound travel times experienced approximately 46 seconds of additional delay and westbound travel experienced approximately 42 seconds of additional delay.

- **General Observations and Recommendations**

- Emmett Rd and Duff Ln intersections will be significantly over capacity in the future; however, the City of Middleton does not have jurisdiction to improve those intersections. Coordination with nearby agencies and future development will be necessary to mitigate the operations.
- Installation of a traffic signal at Cemetery Ln is the suggested next operational improvement that will be most effective in improving traffic flow through the City of Middleton and particularly the area adjacent to Middleton Middle School. Additionally, signalizing the Cemetery Rd intersection would improve mobility by providing a signalized north-south crossing of SH-44. Currently there are none within Middleton.
- Middleton Rd is one of the few Boise River crossings in Ada or Canyon County, representing a significant regional mobility asset. For this reason, COMPASS's updated *Communities in Motion 2050* plan identifies improving Middleton Rd as its highest priority unfunded local system project. A traffic signal at N Middleton Rd intersection, in conjunction with the realignment of Middleton Rd, would provide operational and economic improvements to the region. This would have the added benefit of providing another signalized north-south crossing of SH-44 within Middleton.