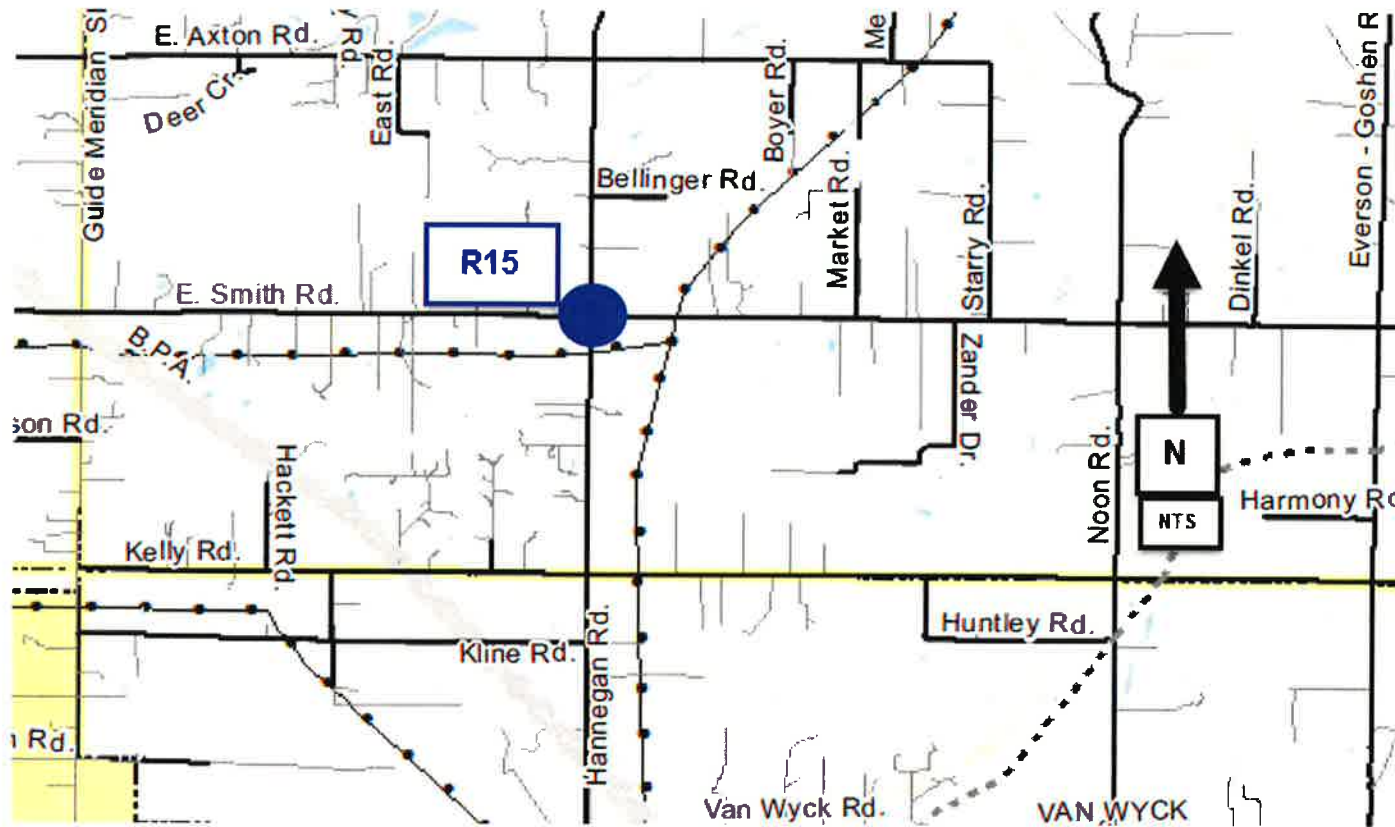


E. Smith/Hannegan Intersection – Council Presentation

Project Scope / Status – Provide improvements to the E. Smith / Hannegan Intersection to address Level of Service, Vehicle Safety, and Pedestrian Safety. Alternatives Analysis is complete and the preferred option is a 2-Lane Roundabout. Final design underway, and is at the 20% level. Secured \$1million in federal STBG funds, and submitted for an additional \$1 million in federal HSIP funds. Approximate total cost of project is \$4.25 million. Construction is scheduled for 2021.

This project is listed as number R15 on the 2019-2024 Six-Year Transportation Improvement Program



Issue – we are at a decision point in the project, with two alignment options for the 2-Lane Roundabout under consideration. Both alignment options involve property acquisitions and environmental factors of a significant nature, and we are here to brief the Council on these options.

Background:

- Project Goal is to improve LOS and safety at the intersection during peak periods (AM & PM) – currently Smith Road experiences delays due to lack of left-turn channelization.
- Reviewed potential interim solutions – modify signal timing; modify signal heads to add protected left turns w/associated channelization on Smith. None feasible due to dated equipment technology.
- Prioritized project and secured \$1M in federal STBG funds available in 2021.

- Hired a consultant via RFQ in 2018 to perform an Alternatives Analysis, Design & CE.
- Conducted Open House on May 10th, 2018 @ Northside Comm Church.
- A 2-lane Roundabout (RAB) is the preferred alternative.
- Consultant began working on design of 2-lane RAB.
- Currently applied for additional \$1M in federal HSIP funds – will know by late Fall 2019.

Discussion of the two alignment options for the 2-Lane Roundabout (RAB)

1. Center the RAB in the middle of the intersection – requires removal of Victor Community Club Building

a. Pros

- Less ROW needed;
- Less construction costs due to better utilizing existing roadway prism;
- Best location in southwest quadrant for storm water quality and quantity treatment;
- Less storm water costs due to less added impervious area.

b. Cons

- More wetlands affected– additional costs;
- The issue of a potential historic building – additional costs;
- The Victor Community Club – mtg of 4/18/19 & vote of 5/16/19;
- Time delays due to additional permitting;

2. Shift the RAB towards the Northeast quadrant.

a. Pros

- No costs associated with mitigation of potential historic building;
- Less potential ROW costs due to not taking a building;
- Less wetlands affected than centered option;
- Storm water treatment still works in Northeast quadrant;

b. Cons

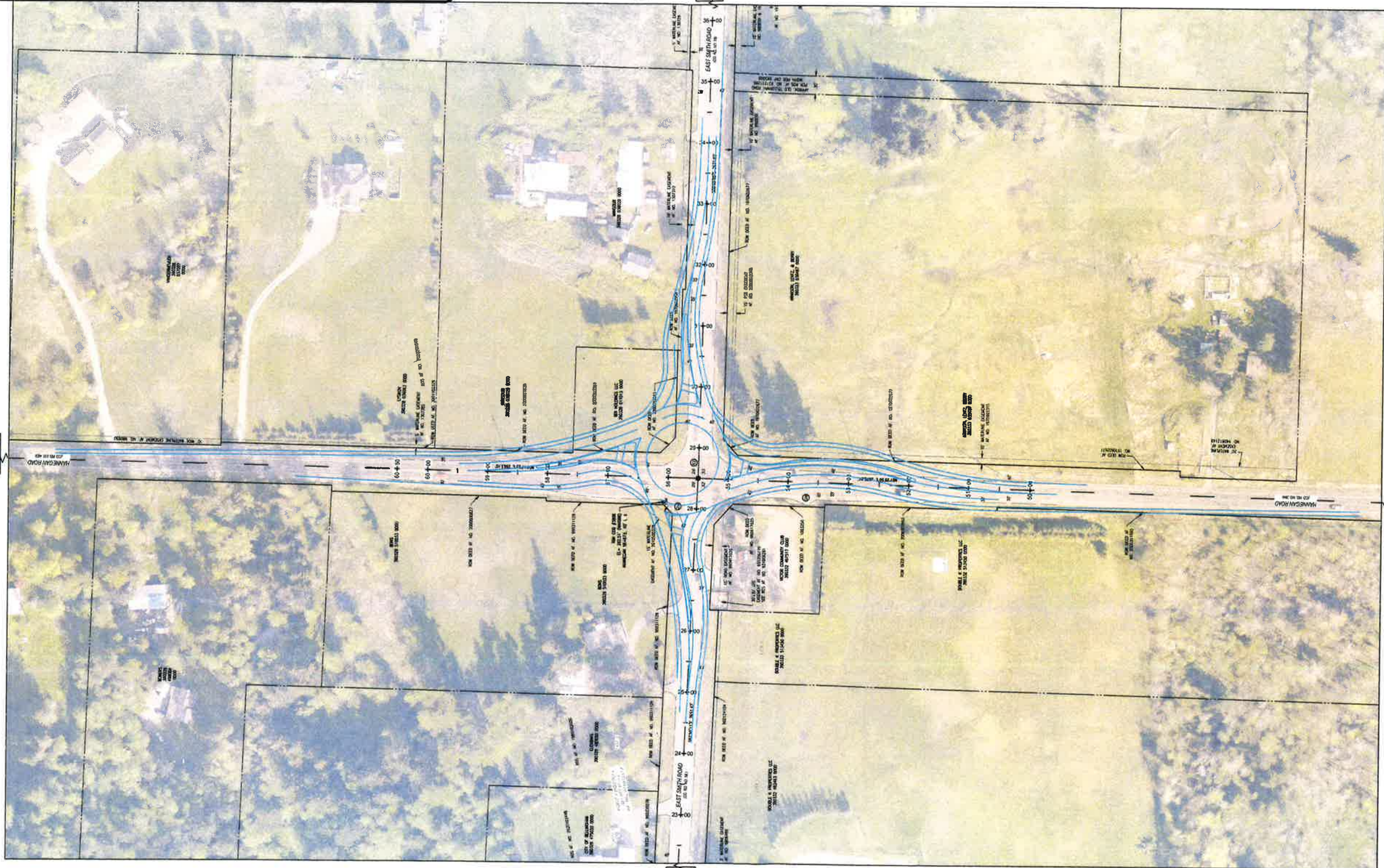
- Storm water will be more expensive;
- Additional costs for new roadway prism;

In Summary, both options will produce a safe and effective project. At a 15-20% design level, we know:

- **costs are approximate;**
- **permitting will involve federal and local agencies;**
- **storm water quantity and quality treatment will be extensive;**
- **R/W will involve acquisition from all 4 quadrants;**
- **This is a good project that needs to move forward and stay on schedule.**

EAST SMITH ROAD / HANNEGAN ROAD INTERSECTION IMPROVEMENTS

SITUATE IN A PORTION OF SECTIONS 28, 29, 32 & 33, TOWNSHIP 39 NORTH, RANGE 3 EAST, W.M
WHATCOM COUNTY, WASHINGTON.



No.	SHIFT REVISION	DATE	BY
1			
2			
3			
4			

PLAN SET ISSUE	DATE
ISSUE DESC.	MM/DD/YYYY

DESIGN	DRAWN	CHECK
N/A	JJA	JPR
DRAWING SCALE:	AS SHOWN	
HORZ. DATUM:	NAD 83/11	
VERT. DATUM:	NAVD 88 (COR)	

DATE:	JANUARY, 2018	PUBLIC WORKS DIRECTOR:	JON HUTCHINGS
PROJECT No:	CRP 914002	COUNTY ENGINEER:	JOSEPH P. RUTAN, P.E.
ROAD No:	56/384/483	PROJECT ENGINEER:	ANDREW TISCHLEDER
DRAWING FILE:	51482_1_010_RAB_Aerial.dwg		



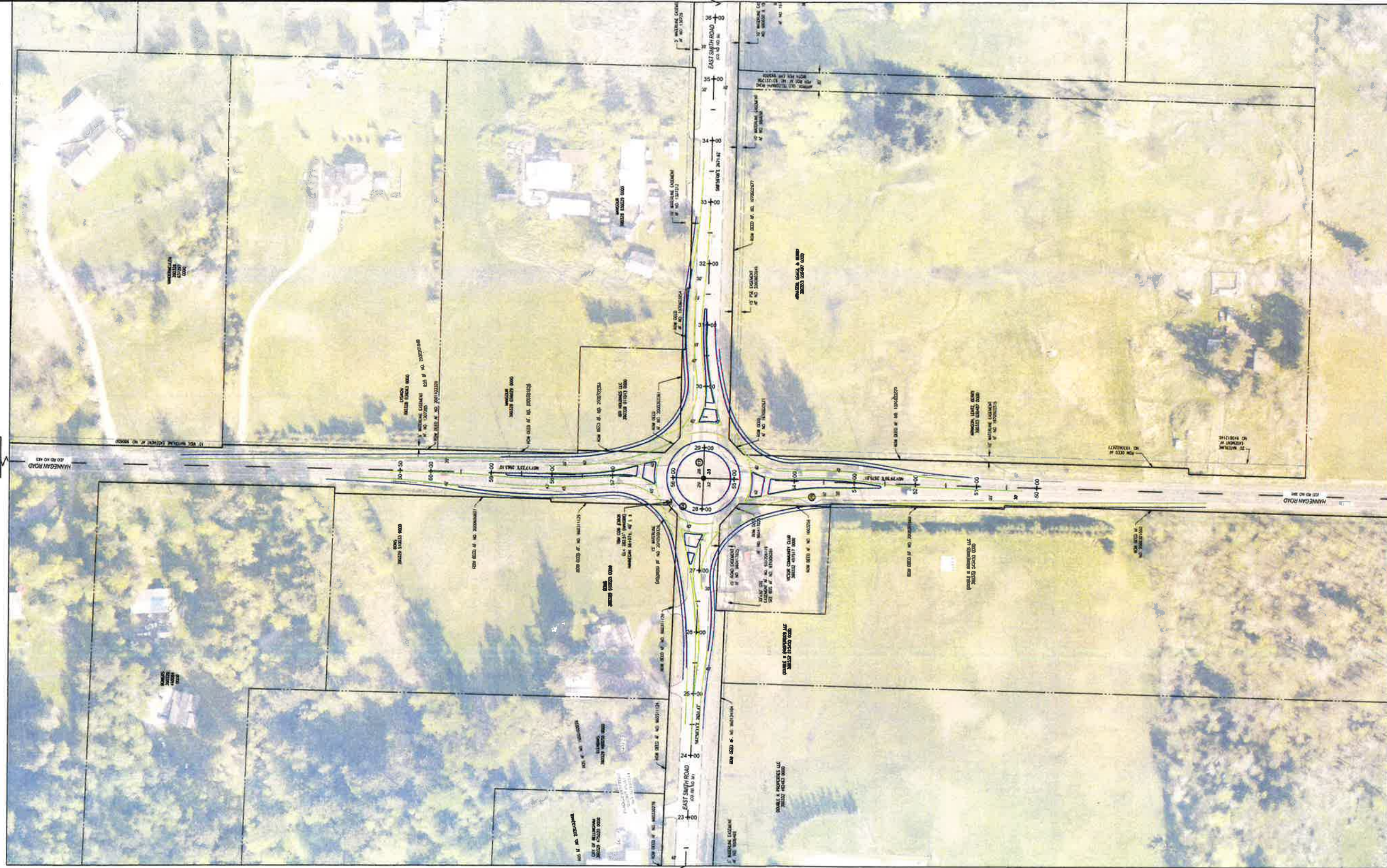
WHATCOM COUNTY
DEPARTMENT OF PUBLIC WORKS
322 N. COMMERCIAL ST., SUITE 301 BELLINGHAM, WA 98225
(360) 778-6218

EAST SMITH ROAD / HANNEGAN ROAD INTERSECTION IMPROVEMENTS
SHIFTED 2-LANE RAB OPTION - CONCEPTUAL

SHEET: 1
OF: 1

EAST SMITH ROAD / HANNEGAN ROAD INTERSECTION IMPROVEMENTS

SITUATE IN A PORTION OF SECTIONS 28, 29, 32 & 33, TOWNSHIP 39 NORTH, RANGE 3 EAST, W.M
WHATCOM COUNTY, WASHINGTON.



No.	SHEET REVISION	DATE	BY
1			
2			
3			
4			

PLAN SET ISSUE	DATE
ISSUE DESC	MM/DD/YYYY

DESIGN	DRAWN	CHECK
N/A	JJA	JPR
DRAWING SCALE:	AS SHOWN	
HORIZ. DATUM:	NAD 83/11	
VERT. DATUM:	NAVD 88 (COB)	

DATE: APRIL 2019
 PROJECT No: CRP 914902
 ROAD No: 58/384483
 DRAWING FILE: P:\02 & 03\58\384483\02\01.dwg
 PUBLIC WORKS DIRECTOR: JON HUTCHINGS
 COUNTY ENGINEER: JOSEPH P. RUTAN, P.E.
 PROJECT ENGINEER: ANDREW TISCHLEDER



WHATCOM COUNTY
 DEPARTMENT OF PUBLIC WORKS
 322 N. COMMERCIAL ST., SUITE 301 BELLINGHAM, WA 98221
 (360) 778-6310

EAST SMITH ROAD / HANNEGAN ROAD INTERSECTION IMPROVEMENTS
 CENTERED 2-LANE OPTION - CONCEPTUAL

SHEET: 1
 OF: 1