

OKANOGAN COUNTY COMMISSIONERS

RESOLUTION 154-2022

**OKANOGAN COUNTY ROAD PROJECT 2023 COUNTY WIDE GUARDRAIL SAFETY
PLANS, PROVISIONS AND SPECIFICATIONS APPROVAL**

WHEREAS, Okanogan County Resolution No. 141-2021 adopted November 9, 2021 included this project in the Annual Road Construction Program and authorized the County Engineer to proceed with preparations of maps, plans and specifications as required under RCW36.77.010.

NOW THEREFORE BE IT RESOLVED, The Project Plans and Specifications prepared and presented as per RCW 36.77.010 are HEREBY APPROVED by the Board of Okanogan County Commissioners.

DATED at Okanogan, Washington this 25th day of October, 2022.

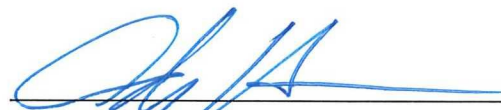
**BOARD OF COUNTY COMMISSIONERS
OKANOGAN, WASHINGTON**



ATTEST:



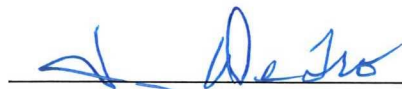
Laleña Johns, Clerk of the Board



Andy Hover, Chairman



Chris Branch, Vice Chairman



Jim DeTro, Member



CONTRACT PLANS

FOR THE CONSTRUCTION OF:

2023 County Wide Guardrail Safety Project

Federal Aid Project No. STPR-E243(005)

Contract No. TA-xxxx

October 2022

OKANOGAN COUNTY
DEPARTMENT OF PUBLIC WORKS
1234-A Second Avenue South, Okanogan WA 98840



CONTRACT PLANS

FOR THE CONSTRUCTION OF:

2023 County Wide Guardrail Safety Project

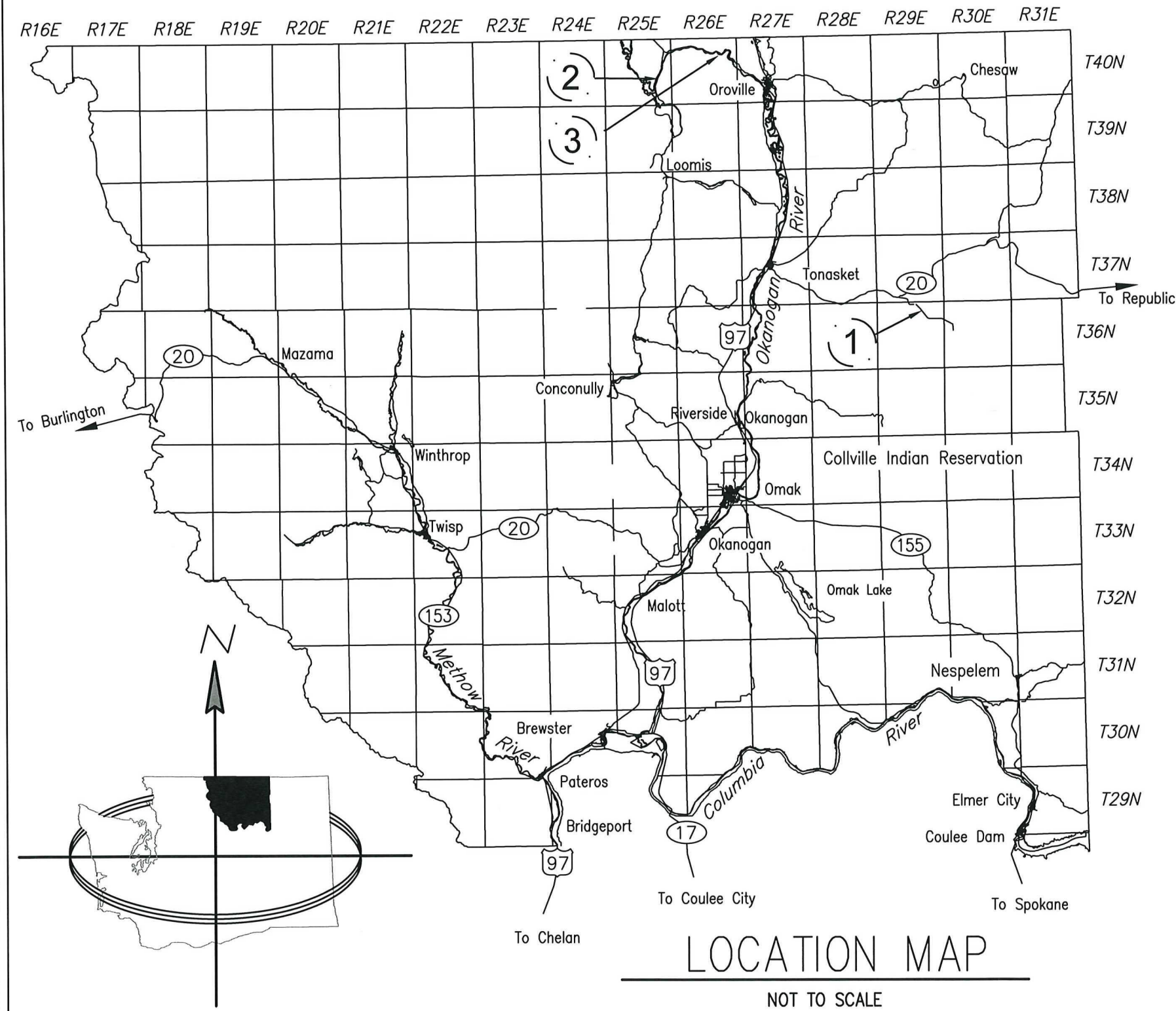
Federal Aid Project No. STPR-E243(005)

Contract No. TA-xxxx

October 2022

OKANOGAN COUNTY
DEPARTMENT OF PUBLIC WORKS
1234-A Second Avenue South, Okanogan WA 98840

OKANOGAN COUNTY



- 1 Aeneas Valley Rd
O.C.R. 9445
M.P. 5.15–5.38 Lt.
- 2 Loomis–Oroville Rd
O.C.R. 9425
M.P. 21.4–22.323 Lt.
- 3 Loomis–Oroville Rd
O.C.R. 9425
M.P. 29.446–29.823 Rt.

SHEET INDEX

1	Cover Sheet
2	Vicinity Map & Sheet Index
3	Summary of Quantities & Details
4	Plan View
5	Traffic Control Plan

Designed by: J.L.T Date:8/2022
Drawn by: L.H.S Date:8/2022
Checked by: J.L.T Date:8/2022
Fed. Funct. Class:
Terrain Type:
Design Year:
Design Year ADT:
Design Speed:

Fed. Aid Proj. No. HSIP-000S(615)
Contract No. N/A
R.A.P. Project No.



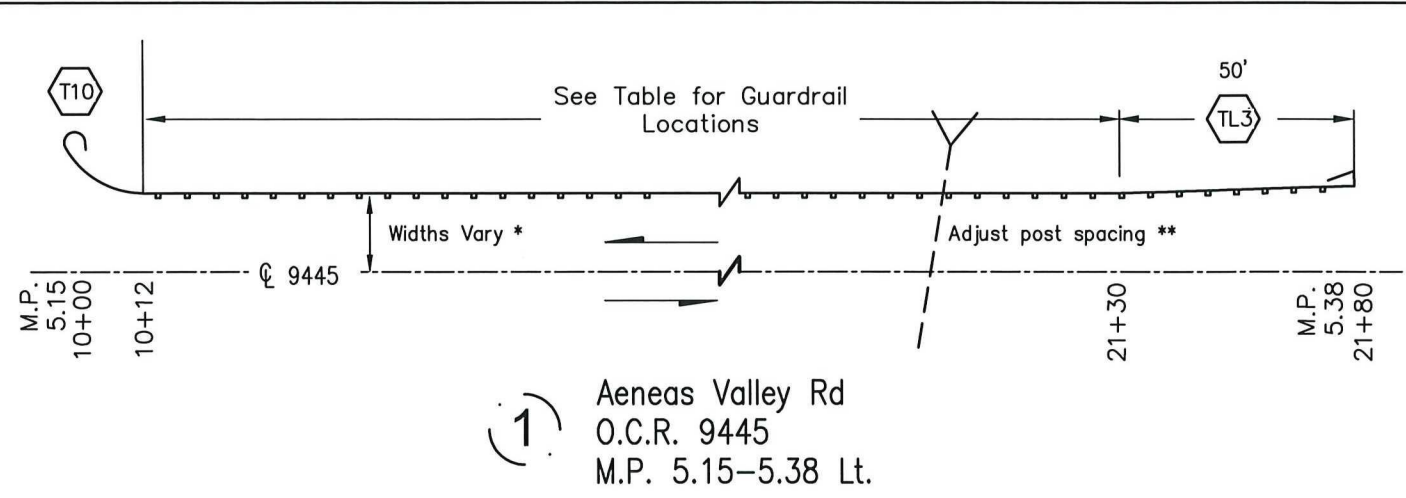
Approval Date



Okanogan County
Department of Public Works
1234-A 2nd Ave. S. 509-422-7300
Okanogan, Washington 98840

2023
Countywide Guardrail Safety Project
Vicinity Map & Sheet Index

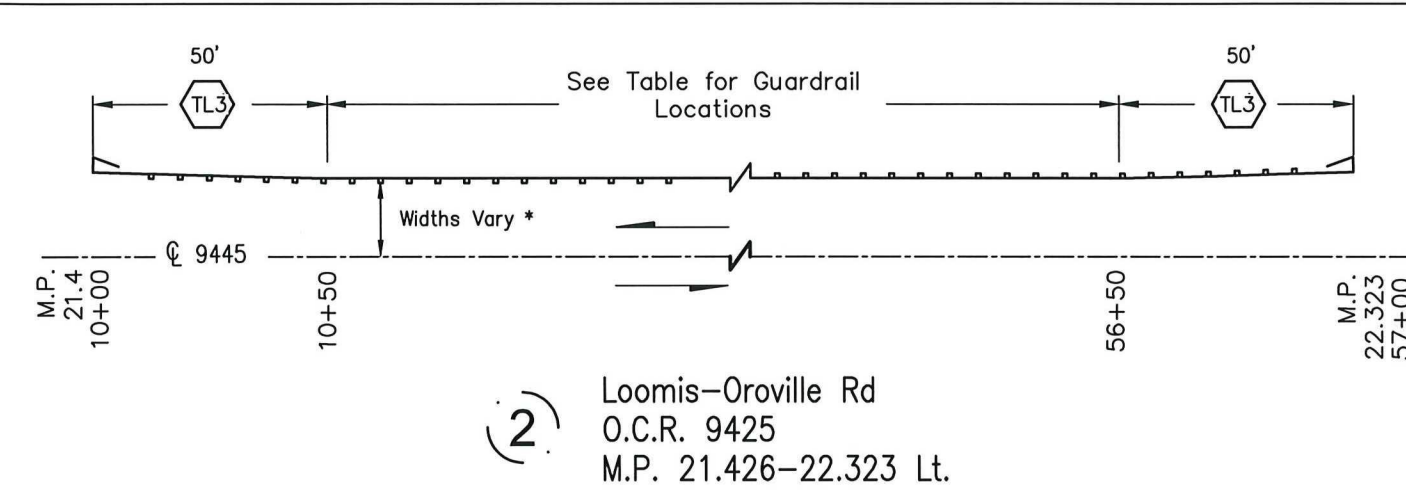
SHEET
2
of
5



STATION	WIDTH
10+12 to 14+00	15
14+00 to 15+50	16
18+00 to 21+30	18

** Culvert located at 17+79

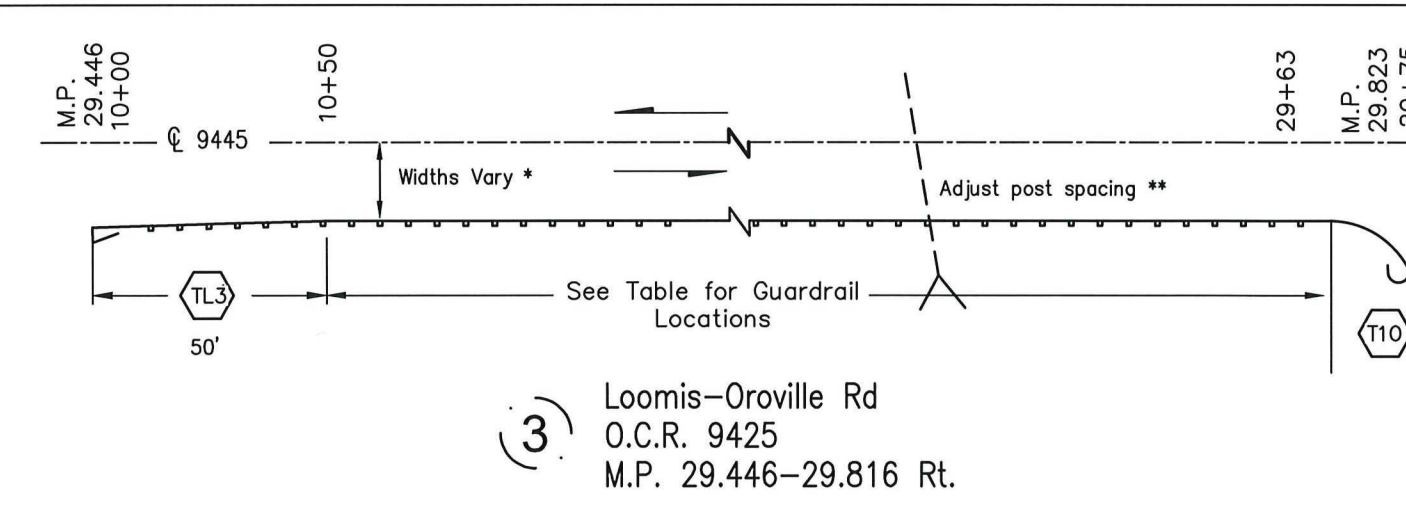
STATION	L.F.	L.F.	L.F.	EACH	EACH
10+00 to 10+12.5				1	
10+12.5 to 18+00	787.5				
18+00 to 19+50			150		
19+50 to 20+00		50			
20+00 to 21+30	130				
21+30 to 21+80					1
SECTION TOTAL	917.5	50	150	1	1



STATION	WIDTH
10+50 to 14+12.5	16
14+12.5 to 15+50	Widen
15+50 to 30+62.5	14
30+62.5 to 32+50	Widen
32+50 to 38+00	14
38+50 to 40+50	Widen
40+50 to 52+00	14
52+50 to 58+25	16

STATION	L.F.	L.F.	L.F.	EACH
10+00 to 10+50				1
10+50 to 14+00			350	
14+00 to 16+75		275		
16+75 to 17+25			50	
17+25 to 20+75	350			
20+75 to 30+75			1000	
30+75 to 32+75		200		
32+75 to 33+50			75	
33+50 to 34+25		75		

STATION	L.F.	L.F.	L.F.	EACH	EACH
34+25 to 37+25				300	
37+25 to 41+75		450			
41+75 to 43+25			150		
43+25 to 48+25		500			
48+25 to 52+50			425		
52+50 to 54+00		150			
54+00 to 55+50			150		
55+50 to 58+25		275			
58+25 to 58+75					1
SECTION TOTAL	350	1925	2500	2	



STATION	WIDTH
10+50 to 12+12	18
12+12 to 13+25	16
13+25 to 16+75	18
16+75 to 18+50	Widen
18+50 to 21+00	18
21+00 to 26+00	Widen
26+00 to 29+63	18

** Culvert located at 26+00 & 21+33

STATION	L.F.	L.F.	L.F.	EACH	EACH
10+00 to 10+50					1
10+50 to 11+37.5			87.5		
11+37.5 to 12+12.5		75			
12+12.5 to 13+25			112.5		
13+25 to 14+00		75			
14+00 to 15+25			125		
15+25 to 16+75		150			
16+75 to 18+50	175				
18+50 to 21+00		250			
21+00 to 29+62.5	862.5				
29+62.5 to 29+75				1	
SECTION TOTAL	1037.5	550	325	1	1

- 6

(6757) Beam Guardrail Type 31
[C-20.10-06]
- 9

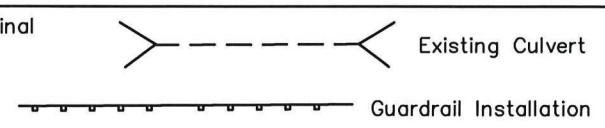
(6712) Beam Guardrail Type 31 - 9 Ft. Long Post
[C-20.10-06]
- TL3

(6719) Beam Guardrail Type 31 Non-Flared Terminal
[C-22.40-08]
- 8

(6711) Beam Guardrail Type 31 - 8 Ft. Long Post
[C-20.10-06]
- 11

(6713) Beam Guardrail Type 31 - 11 Ft. Long Post
[C-20.10-06]
- T10

(6766) Beam Guardrail Anchor Type 10
[C-23.60-04]



LEGEND

POST MOUNTED SIGN

CHANNELIZING DEVICES

BARRICADE - TYPE 3 R

BARRICADE - TYPE 3 L

FLAGGER

Longitudinal Buffer Space = B (FT)						
Speed (MPH)	25	30	35	40	45	50
Length (FT)	155	200	250	305	380	425

Sign Spacing = X (FT)		
Rural Roads	45/55 MPH	500' ±
Urban Arterials	35/40 MPH	350' ±

NOTES

1. Channelization devices shall consist of traffic cones or tubular markers meeting the requirements of MUTCD 6F-55 cones design. they are to be extended to a point where they are visible to approaching traffic and shall clearly designate the route through the work area.
2. All signs shall have orange background with black legends unless otherwise noted
3. all diamond shaped signs shall be 48" by 48".
4. This plan is for daylight use only.
5. The work area shown shall be adjusted throughout the project length depending on the items being worked on.
6. Sign G25-101 is recommended for non-stop sign controlled approaches such as private roads and driveways. this sign is not required to be aluminum substrate and can be made of alternative materials.
7. Flagger position, signs, and channelization devices are not to scale.



W20-1
1



W20-4
2



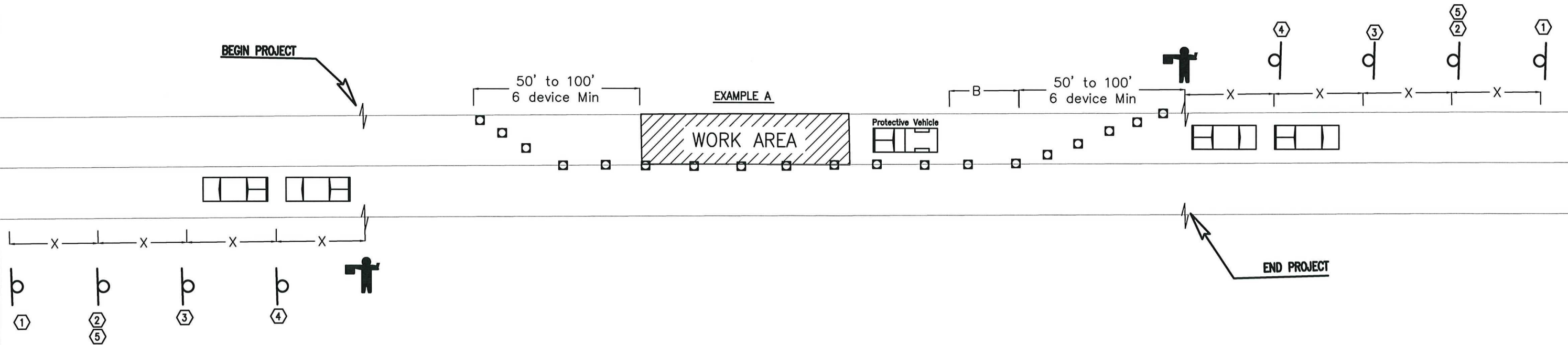
W20-7B
3



W20-7A
4



W21-1701
5



Designed by: J.L.T Date: 8/2022
Drawn by: L.H.S Date: 8/2022
Checked by: J.L.T Date: 8/2022
Fed. Funct. Class:
Terrain Type:
Design Year:
Design Year ADT:
Design Speed:

Fed. Aid Proj. No. HSIP-000S(615)
Contract No. N/A
R.A.P. Project No.



Approval Date



Okanogan County
Department of Public Works
1234-A 2nd Ave. S. 509-422-7300
Okanogan, Washington 98840

2023
Countywide Guardrail Safety Project
Traffic Control Plans

SHEET
5
of
5