DOWL

TECHNICAL MEMORANDUM

TO: Southwest Region Local Programs

FROM: Matthew Phillips, PE

DATE: 8/21/2026

PROJECT: Wilson Creek Bridge Repair – East Valley Road (Fed. BROS-2035(056))

JUSTIFICATION MEMO FOR LUMP SUMP TRAFFIC CONTROL

Purpose
The purpose of this memorandum is to justify the Lump Sum bidding for Traffic Control on the Wilson Creek Bridge Repair – East Valley Road project. The project is a Local Agency bridge project on East Valley Road in Wahkiakum County between milepost (MP) 1.64 and 1.70. The federal aid number is BROS-2035(056).

Project Description
The purpose of the project is to rehabilitate the existing bridge deck, remove the load restriction, and provide bridge rails that meet current design standards.

The project is expected to advertise for bidding on October 15, 2026. Mobilization will occur in April 2027 with substantial completion by mid-November 2027.

East Valley Road is a two lane, rural minor collector with a design year, 2045, average daily traffic (ADT) volume of 213 vehicle per day (vpd) and is posted 35 miles per hour (mph).

Proposed Traffic Control Approach
The project plans include three (3) traffic control plan sheets, TC-1 through TC-3, and one bridge construction staging sequencing sheet, BG02.
East Valley Road will be two-way, one-lane controlled by temporary signals during each stage of construction. Flagging will be utilized for initial setup and take down of traffic control devices, in between each phase to adjust traffic control devices, and during Stage 2 Phase 2, and Stage 3 night closures for deck repair work.

- Stage 1 work will close the eastbound lane, remove and replace the bridge rail and install new guardrail transitions and terminals. The work area and the traffic lane will be separated by temporary concrete barrier.
- Stage 2, Phase 1 work will close the west bound lane, remove and replace the bridge rail and install new guardrail transitions and terminals.
- Stage 2, Phase 2 work will close the road during night work to scarify and overlay the west bound lane of the bridge.
- Stage 3 work will close the road during night work to scarify and overlay the east bound lane of the bridge.

There are no existing bicycle or pedestrian accommodations on East Valley Road. Pedestrians will be escorted through the work zone as needed.

Justification for Lump Sum Traffic Control
The traffic control stages and phases are shown in the plans on sheets TC1 through TC3. All traffic control signs and devices are shown in the plans. Detailed construction stage and phase

sequencing is shown on sheet BG02 in both typical sections and notes. The traffic control plan and sequencing are project specific.

Lump sum bidding will simplify administration and reduce quantity disputes.

Risk Assessment

A Lump Sum Temporary Traffic Control (LSTC) risk assessment was completed in accordance with WSDOT guidance. The assessment evaluated contract duration, schedule complexity, construction staging, traffic control impacts, and the completeness of the Traffic Control Plans.

The completed risk assessment indicates that the project presents a low level of lump sum temporary traffic control risk. Traffic control requirements are well defined, construction sequencing is straightforward, and there are no significant closure, detour, transit, pedestrian, bicycle, or coordination impacts. The primary factors supporting this determination include:

a. Contract Duration and Schedule

The project duration is anticipated to be approximately seven months, which is consistent with a single construction season. Construction activities occur in a largely linear sequence. Bridge strengthening and rail replacement work must be completed before guardrail transition improvements, terminal replacement, and shoulder grading can begin. Because work activities are staged sequentially rather than concurrently, there is no need for multiple traffic control crews.

b. Construction Staging

The project includes four construction stages associated with bridge rehabilitation activities. While multiple stages are required, the staging sequence is shown and dictated by the bridge work. The stages cannot reasonably be performed concurrently or in a different order, reducing uncertainty for bidders when estimating traffic control requirements.

c. Traffic Control Impacts

The project does not include significant traffic control risks commonly associated with higher-complexity contracts. Specifically:

- No intersection closures are anticipated.
- No interchange closures are required.
- No rolling slowdowns are anticipated.
- No roadway detours are required.
- No pedestrian or bicycle route closures are anticipated.
- No transit impacts are anticipated.
- No lane closure approvals from outside agencies are required.
- No traffic control is required for utility work or third-party operations.

However, night closures are required with night work for a portion of the bridge deck preparation and overlay.

d. Traffic Control Plan Completeness

The contract includes project-specific Traffic Control Plans that define the anticipated traffic control requirements. The plans provide sufficient detail for bidders to understand the required traffic control measures and develop consistent bids.

Construction Schedule

The project is expected to advertise for bidding on October 15, 2026. Mobilization will occur in April 2027 with substantial completion by mid-November 2027.

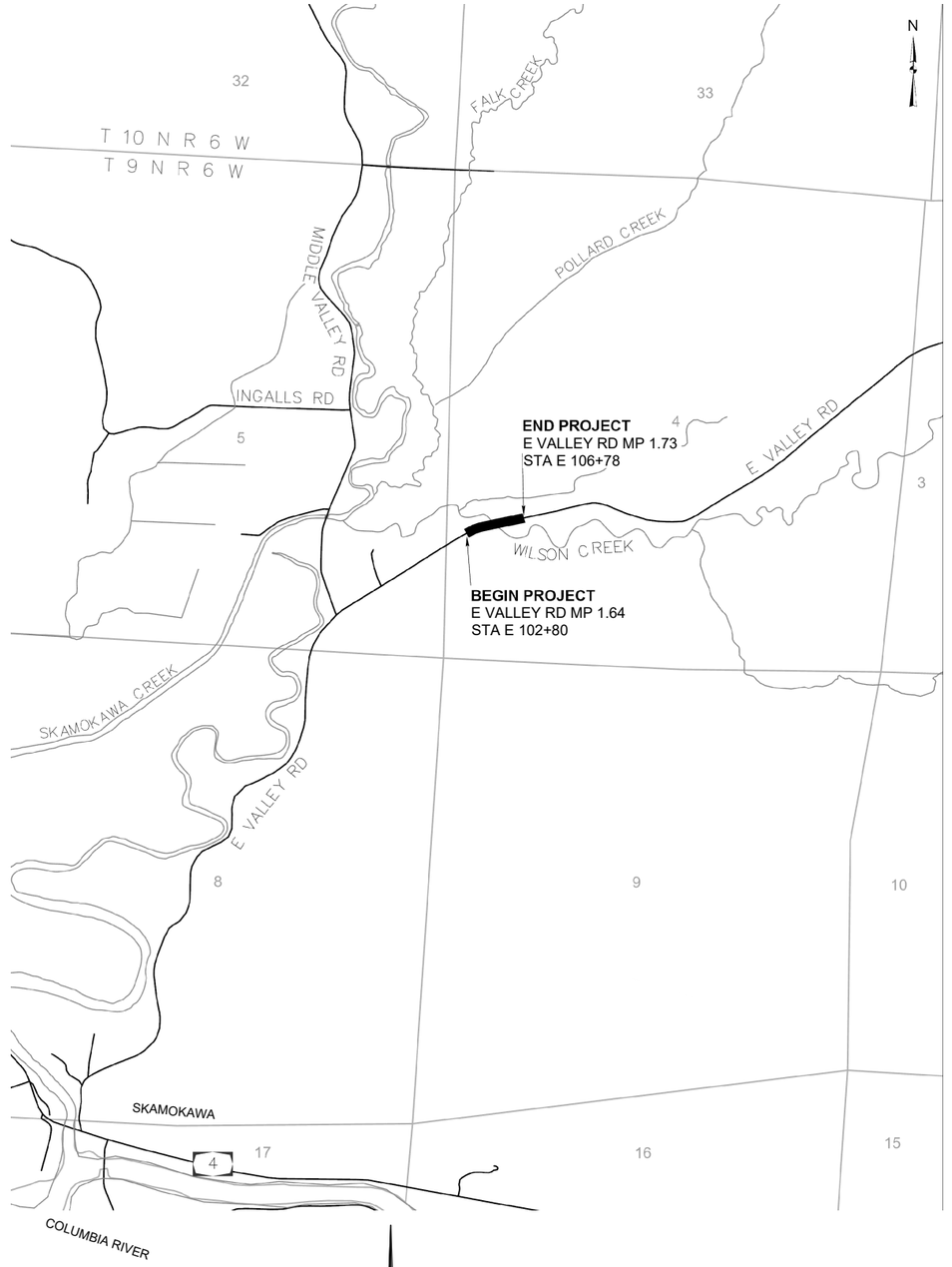
Stage/Phase	Duration Month, Year 2027	Day/Night	Notes
Stage 1	April – July	Day	
Stage 2, Phase 1	July – August	Day	
Stage 2, Phase 2	September – October	Night	Deck repair under 20-minute closures. Conc. overlay during full night closures.
Stage 3	October – November	Night	Deck repair under 20-minute closures. Conc. overlay during full night closures.

Conclusion
The Traffic Control Plans are sufficiently detailed with low risk to allow Lump Sum bidding to simplify administration and reduce quantity disputes.

Attachments
- Vicinity Map
- Project-Specific Traffic Control Plans
- Construction Schedule
- Lump Sum Traffic Control Risk Assessment Worksheet
- Lump Sum Traffic Control Cost Breakdown Spreadsheet

INDEX

SHEET NO.	PLAN REFERENCE NO.	TITLE
1	VM1	INDEX / VICINITY MAP
2	CT1	CERTIFICATION SHEET
3	SQ1	SUMMARY OF QUANTITIES
4	RS1	ROADWAY SECTION
5	RS2	ROADWAY SECTION
6	QTSP1	QUANTITY TABULATIONS - SITE PREP, PAVING, AND MISC
7	SP1	SITE PREPARATION PLAN
8	PM1	PAVING AND PAVEMENT MARKING PLAN
9	DD1	DRAINAGE DETAILS
10	TC1	TRAFFIC CONTROL ADVANCED SIGNING
11	TC2	TRAFFIC CONTROL PLAN
12	TC3	TRAFFIC CONTROL PLAN
13	BG01	PLAN AND ELEVATION
14	BG02	GENERAL NOTES & STAGING
15	BG03	TYPICAL SECTION
16	BG04	REPAIR DETAILS - 1
17	BG05	REPAIR DETAILS - 2
18	BG06	TRAFFIC BARRIER - SINGLE SLOPE 32" DETAILS
19	EC1	TESC GENERAL NOTES
20	EC2	TESC PLAN
21	UT1	UTILITIES



VICINITY MAP
SCALE: NTS

DATUM
(NAVD) 88

PLAN REF NO

SHEET
OF
SHEETS

NOTES:

1. ALL SHEET REFERENCES, FIRST NOS. OF STRUCTURE CODE DESIGNATIONS AND MATCH LINE SHEET REFERENCES, ETC., THROUGHOUT THE PLANS, REFER TO THE ENTRY IN THE PLAN REFERENCE NUMBER BOX.

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DESIGNED BY	ANDREW EOFF				CONTRACT NO.		LOCATION NO.
ENTERED BY					——		B72021
CHECKED BY	AUSTIN ZAVALA						
PROJ. ENGR.	MATTHEW PHILLIPS						
REGIONAL ADM.		REVISION	DATE	BY			

MATTHEW E. PHILLIPS — STATE OF WASHINGTON — 49765 — REGISTERED PROFESSIONAL ENGINEER
08/20/2026

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Wahkiakum County, WA

WILSON CREEK BRIDGE REPAIR - EAST VALLEY ROAD

INDEX / VICINITY MAP

PLAN REF NO
VM1

SHEET
01
OF
21
SHEETS

mPCMS		
1	2	3
TRAFFIC SIGNAL 1/2 MILE	ROADWAY NARROWS 10' WIDE	ONE LANE BRIDGE AHEAD
2.0 SEC	2.0 SEC	2.0 SEC

PCMS	
1	2
TRAFFIC SIGNAL 1/2 MILE	ROADWAY NARROWS 10' WIDE
2.0 SEC	2.0 SEC

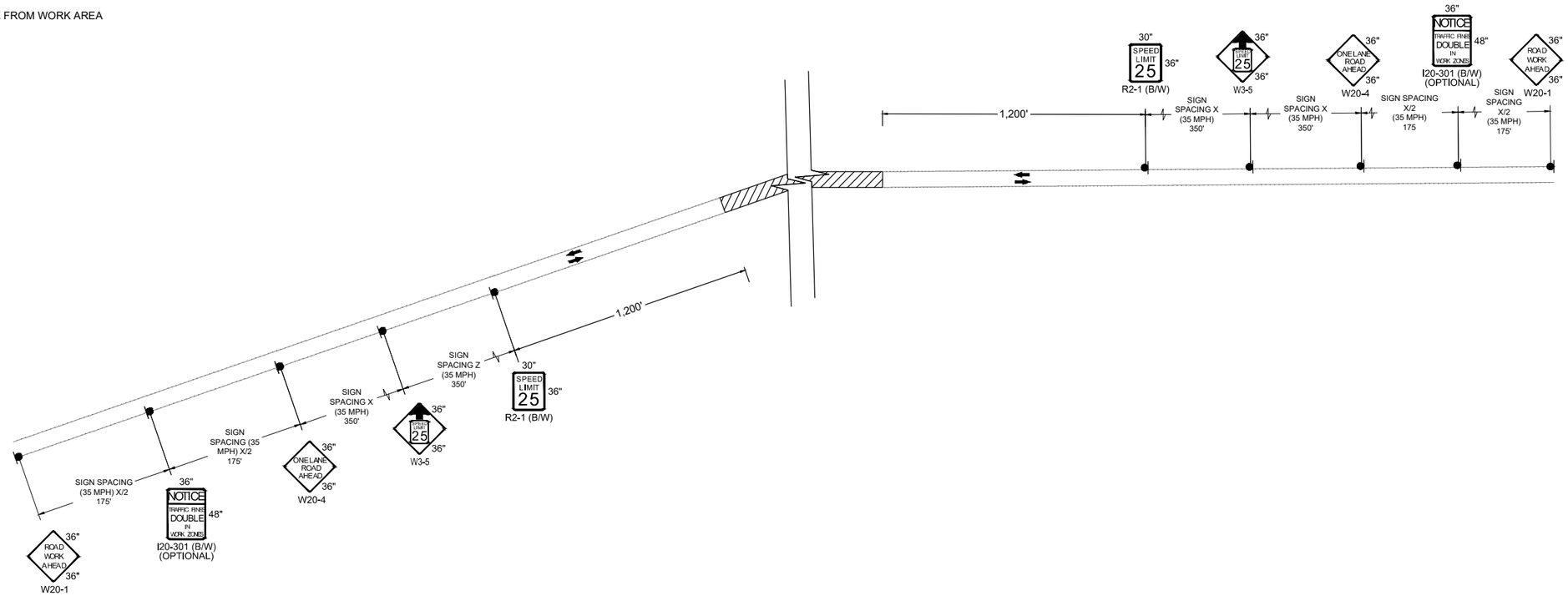
LEGEND:

CLASS A SIGN LOCATION (POST OR BARRIER-MOUNTED)

WORK AREA

NOTES:

1. PLACE MINI-PCMS 1/2 MILE FROM WORK AREA



DATUM

(NAVD) 88

SCALE

80 0 40 80 160

SCALE FEET

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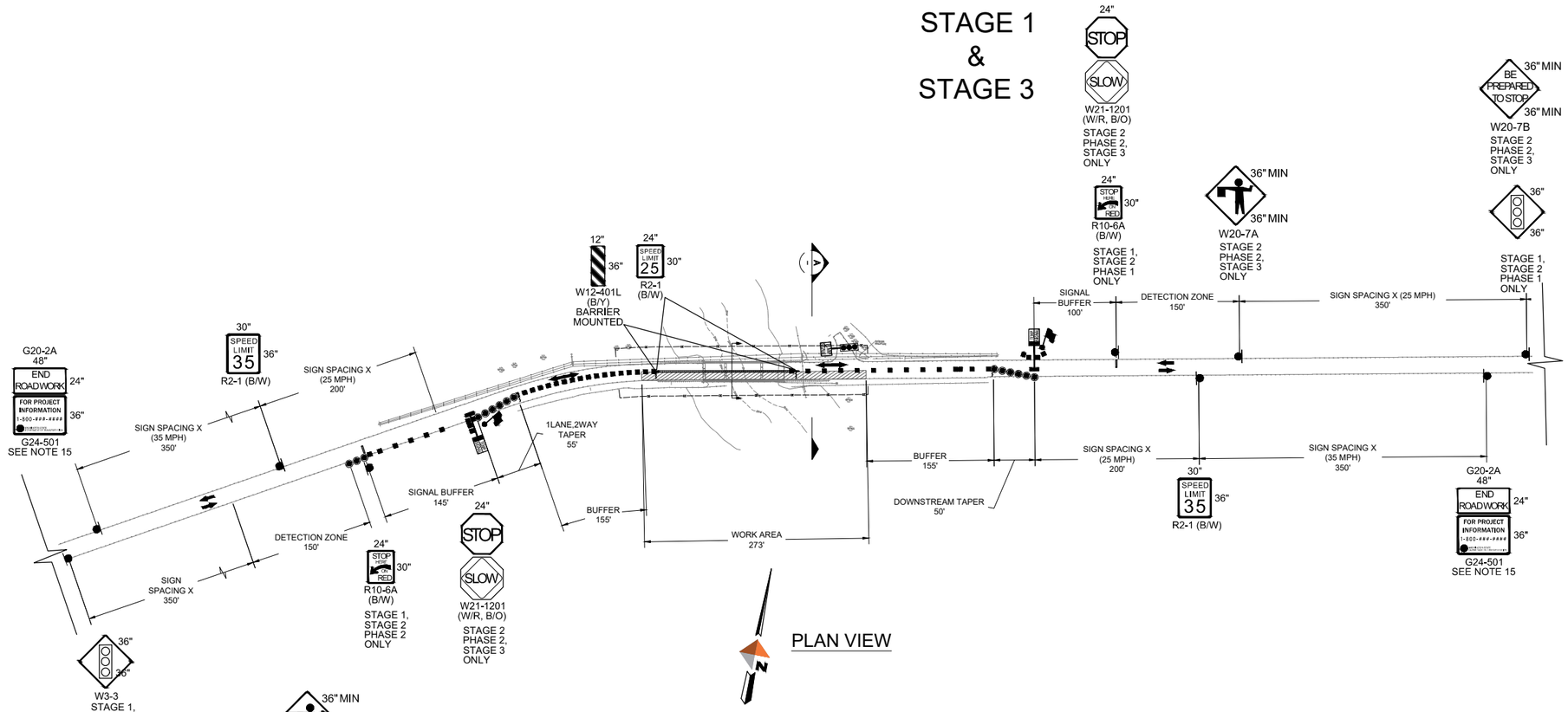
WILSON CREEK BRIDGE REPAIR - EAST VALLEY ROAD

TRAFFIC CONTROL ADVANCED SIGNING

PLAN REF NO TC1

SHEET 10 OF 21 SHEETS

STAGE 1 & STAGE 3



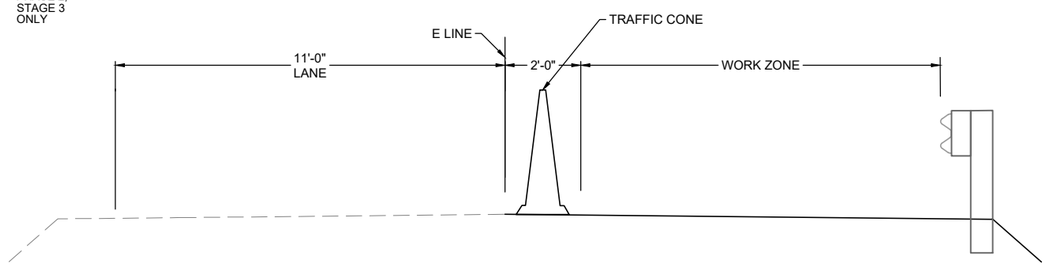
PLAN VIEW

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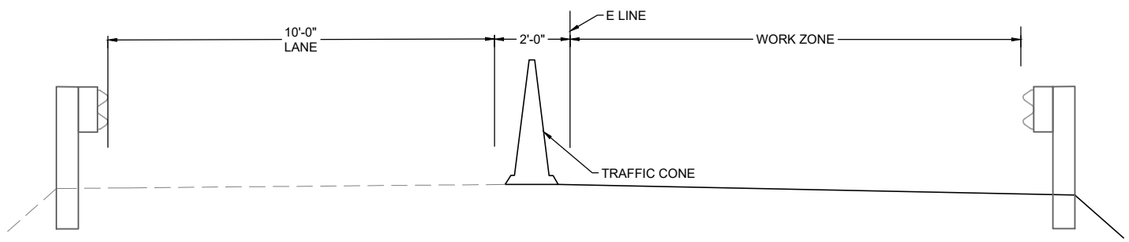
- CLASS A SIGN LOCATION (POST OR BARRIER-MOUNTED)
- 28" TRAFFIC CONES
- TRAFFIC SAFETY DRUMS
- UNANCHORED TEMPORARY BARRIER
- TEMPORARY IMPACT ATTENUATOR
- TYPE 3 BARRICADE
- FLAGGER
- TEMPORARY SIGNAL
- WORK AREA
- TEMPORARY DRIVEWAY SIGNAL

NOTES:

1. TEMPORARY SIGNALS ARE FULLY ACTUATED CONTROLLED VIA VIDEO AND/OR RADAR DETECTION. WHEN NO VEHICLES DETECTED IN ANY DIRECTION, ALL TRAFFIC SIGNAL REST IN RED DISPLAY UNTIL THE NEXT VEHICLE IS DETECTED WHICH RECEIVES THE IMMEDIATE GREEN DISPLAY TO MINIMIZE DISPLAYS. INSTALL TEMPORARY DRIVEWAY SIGNAL WITH SIGNS CONNECTED TO TRAFFIC SIGNALS AT DRIVEWAY.
2. IF FEASIBLE, AVOID PLACING LANE CLOSURE TAPERS WITHIN OR IMMEDIATELY FOLLOWING HORIZONTAL & VERTICAL CURVES BY ADJUSTING LONGITUDINAL BUFFER SPACE
3. SEE STANDARD SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS:
   1-07.8(1) HIGH-VISIBILITY APPAREL
   1-10.3(1)A FLAGGERS AND NIGHTTIME ILLUMINATION
   1-10.3(2) TRAFFIC CONTROL PROCEDURES
   9-35.124-INCH STOP/SLOW PADDLE SIZE
4. FOR PROJECT-SPECIFIC REQUIREMENTS, SEE SPECIAL PROVISIONS
5. SIGNS ARE BLACK AND ORANGE UNLESS OTHERWISE INDICATED.
6. ACTUAL CENTERLINE PAVEMENT MARKINGS MAY VARY
7. FLAGGING REQUIRED DURING INSTALLATION OF TRAFFIC CONTROL MEASURES ON BRIDGE AND DURING NIGHT CLOSURES.



STAGE 1
A-A



STAGE 3
A-A

DATUM
(NAVD) 88

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SCALE FEET

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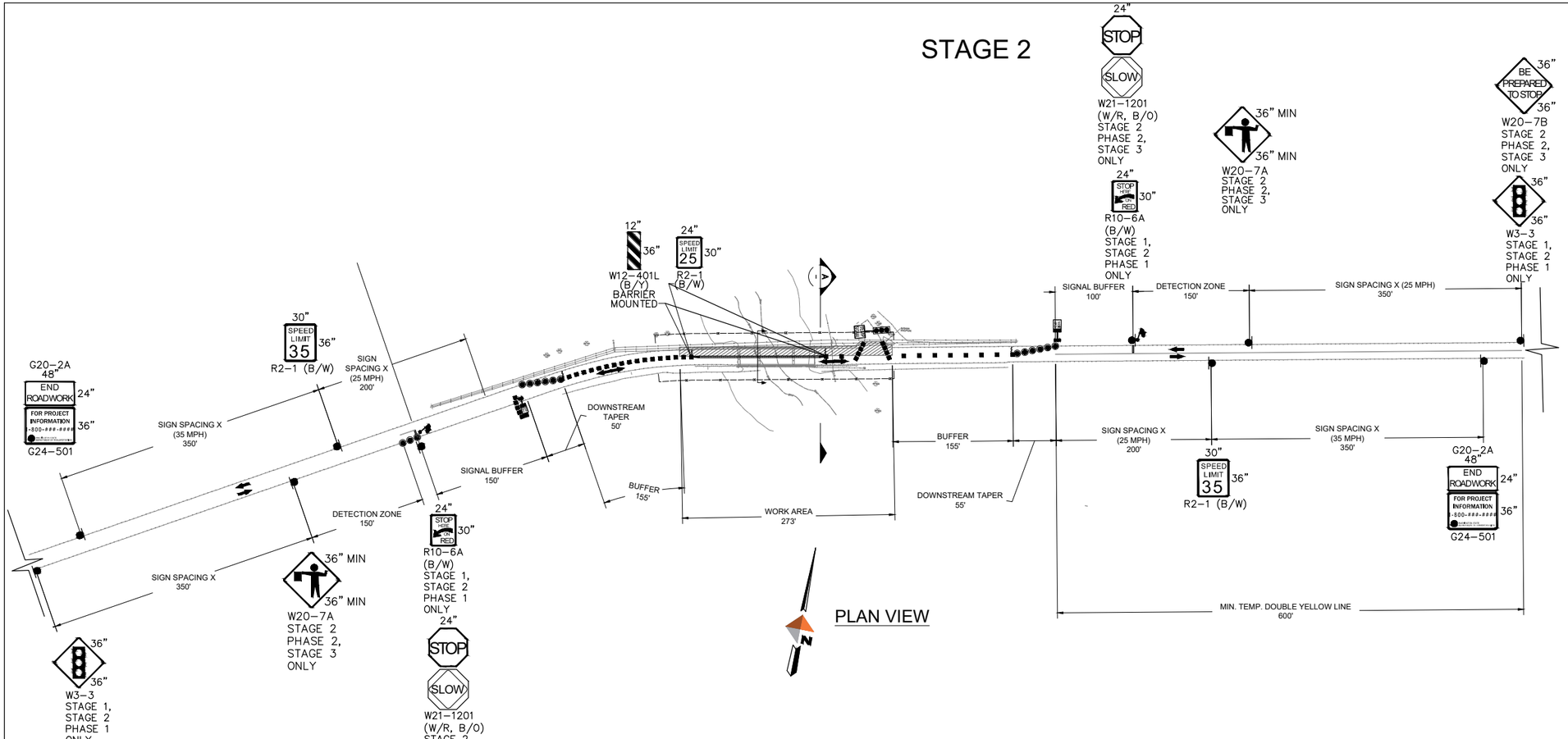
WILSON CREEK BRIDGE REPAIR - EAST VALLEY ROAD

TRAFFIC CONTROL PLAN

PLAN REF NO
TC2

SHEET 11 OF 21 SHEETS

STAGE 2



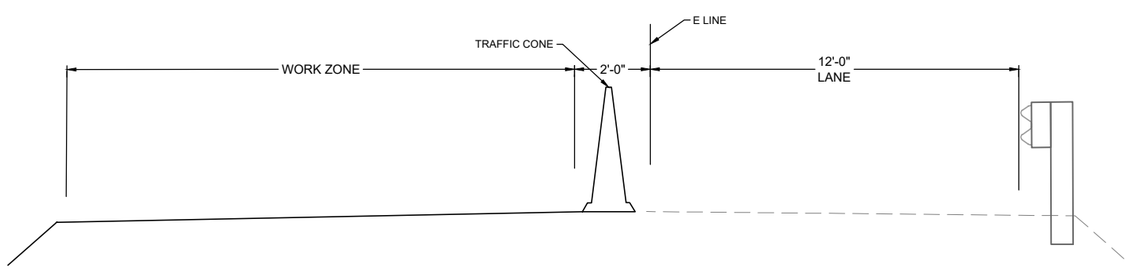
PLAN VIEW

LEGEND:

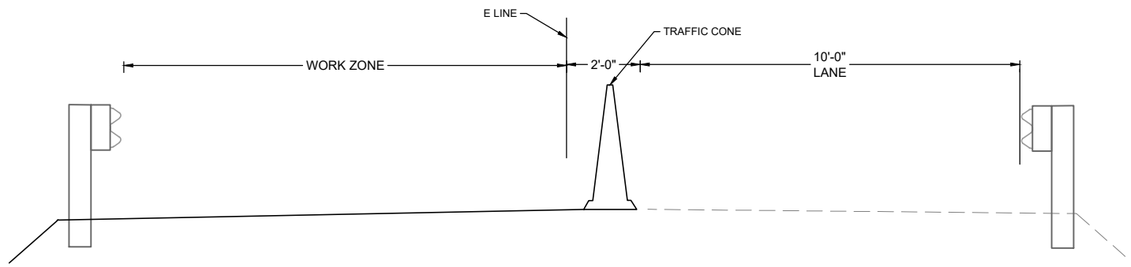
- CLASS A SIGN LOCATION (POST OR BARRIER-MOUNTED)
- 28" TRAFFIC CONES
- TRAFFIC SAFETY DRUMS
- UNANCHORED TEMPORARY BARRIER
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- TYPE 3 BARRICADE
- FLAGGER
- TEMPORARY SIGNAL
- WORK AREA
- TEMPORARY DRIVEWAY SIGNAL

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7. FLAGGING REQUIRED DURING INSTALLATION OF TRAFFIC CONTROL MEASURES ON BRIDGE AND DURING NIGHT CLOSURES.



STAGE 2 - PHASE 1
A-A



STAGE 2 - PHASE 2
A-A

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(NAVD) 88

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SCALE FEET

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CHECKED BY	AUSTIN ZAVALA						
PROJ. ENGR.	MATTHEW PHILLIPS						
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08/20/2026

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WILSON CREEK BRIDGE REPAIR - EAST VALLEY ROAD

TRAFFIC CONTROL PLAN

PLAN REF NO
TC3

SHEET 12 OF 21 SHEETS

GENERAL NOTES:

ALL MATERIAL AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE WASHINGTON STATE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION DATED 2026 AND AMENDMENTS.

THIS RETROFIT HAS BEEN DESIGNED IN ACCORDANCE WITH THE REQUIREMENTS OF THE FOLLOWING:
- AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS 10TH EDITION, 2024
- WSDOT BRIDGE DESIGN MANUAL, JUNE 2025

THIS RETROFIT HAS BEEN DESIGNED FOR LOAD RATING FACTORS GREATER THAN 1.0 FOR LEGAL LOADS; LEGAL LOADS INCLUDE: TYPE 3, TYPE 3S2; TYPE 3-3, SU4, SU5, SU6, SU7, NRL, EV2, AND EV3. THIS RETROFIT HAS BEEN DESIGNED FOR NO FUTURE WEARING SURFACE.

LATERAL DESIGN LIMITED TO RESTORING EXISTING STRUCTURE CAPACITY. SEISMIC DESIGN NOT CONSIDERED.

CONCRETE IN THE BRIDGE DECK SHALL BE CLASS 4000D. ALL OTHER CONCRETE IN SHALL BE CLASS 4000.

REINFORCING STEEL SHALL BE ASTM A706 GRADE 60. ▽ INDICATES EPOXY COATED BARS

UNLESS OTHERWISE SHOWN IN THE PLANS, CONCRETE COVER MEASURED FROM THE FACE OF CONCRETE TO THE FACE OF ANY REINFORCING STEEL SHALL BE 2".

FALSEWORK SHALL BE CAREFULLY RELEASED TO PREVENT IMPACT OR UNDUE STRESS IN THE STRUCTURE

DIMENSIONS SHOWN IN THESE PLANS ARE BASED ON ORIGINAL CONSTRUCTION RECORDS AND AS-BUILT SURVEY WHERE AVAILABLE. ALL RELEVANT DIMENSIONS SHALL BE MEASURED IN THE FIELD AND VERIFIED BY THE CONTRACTOR PRIOR TO ORDERING MATERIALS AND PROCEEDING WITH CONSTRUCTION.

CONDUITS, JUNCTION BOXES, AND UTILITIES ARE SHOWN FOR REFERENCE ONLY. THE CONTRACTOR SHALL COORDINATE THESE PLANS WITH THE UTILITY OWNERS AND OTHER CIVIL PLANS.

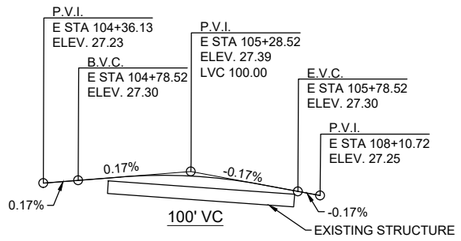
DECK REPAIR NOTES:

CLEAN EXPOSED REINFORCING STEEL USING OIL FREE ABRASIVE BLASTING OR HIGH-PRESSURE (MINIMUM 5,000 PSI) WATER BLASTING AND REMOVE ALL DIRT, DUST, LOOSE PARTICLES, RUST, LAITANCE, OIL, FILM, MICROCRACKED/BRUISED AND DELAMINATED CONCRETE, OR FOREIGN MATERIAL OF ANY SORT.

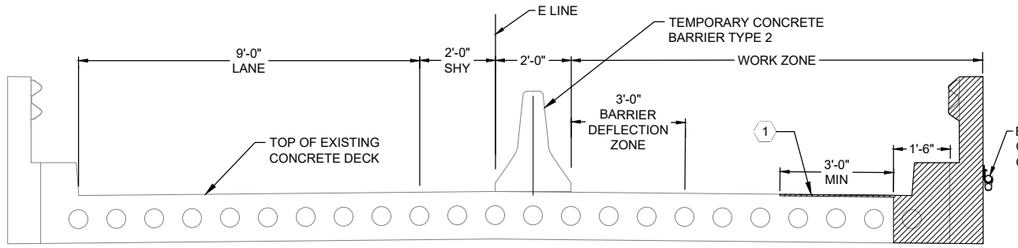
ZINC RICH PRIMER SHALL BE APPLIED TO EXPOSED REINFORCING PER WSDOT STANDARD SPECIFICATION 9-08.1(2)F.

OVERLAY CONSTRUCTION NOTES

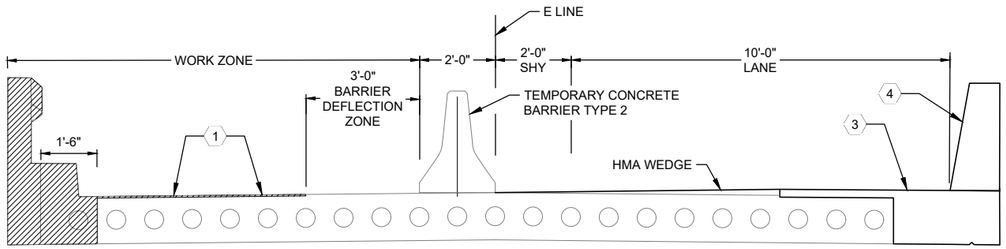
CONSTRUCTION LIVE LOADS ON THE BRIDGE DURING CONCRETE CLASS 4000D OVERLAY PLACEMENT AND CURING IS RESTRICTED TO 60 PSF MAX WITHIN THE WORK ZONE.



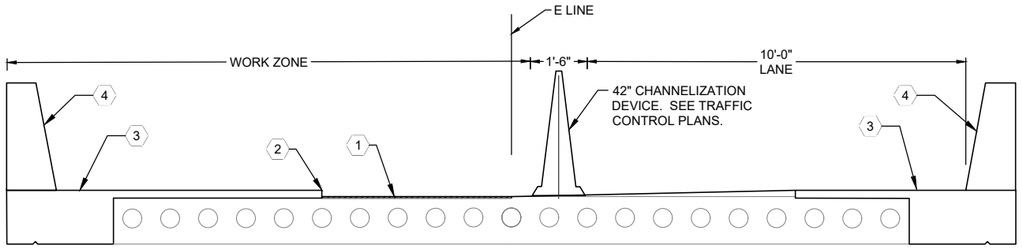
E LINE PROFILE



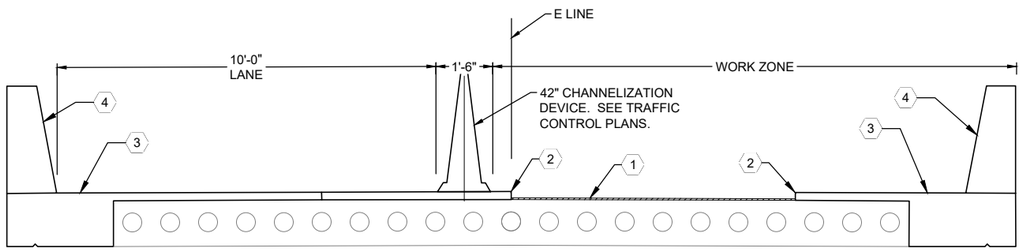
STAGE 1



STAGE 2 - PHASE 1



STAGE 2 - PHASE 2



STAGE 3

CONSTRUCTION STAGING SEQUENCE

SCALE: 1/4" = 1'-0"

STAGING NOTES:

1. TRAFFIC CONTROL MEASURES, AND REMOVAL AND SCARIFICATION ACTIVITIES SHOWN IN CURRENT STAGE OF WORK; NEW ELEMENTS SHOWN IN SUBSEQUENT STAGE AND PHASE OF WORK.

STAGE 1
- INSTALL TRAFFIC CONTROL MEASURES
- REMOVE EXISTING RIGHT RAIL
- REMOVE EXISTING DECK
- SCARIFY AND REPAIR DECK
- INSTALL NEW CONCRETE CLASS 4000D DECK WIDENING
- INSTALL NEW PERMANENT TRAFFIC BARRIER - SINGLE SLOPE
- INSTALL TAPERED HMA WEDGE

STAGE 2 PHASE 1
- INSTALL TRAFFIC CONTROL MEASURES
- REMOVE EXISTING LEFT RAIL
- REMOVE EXISTING DECK
- SCARIFY AND REPAIR DECK LEFT OF BARRIER DEFLECTION ZONE
- INSTALL NEW CONCRETE CLASS 4000D DECK WIDENING
- INSTALL NEW CONCRETE CLASS 4000D OVERLAY
- INSTALL NEW PERMANENT TRAFFIC BARRIER - SINGLE SLOPE

STAGE 2 PHASE 2

- REPLACE TEMPORARY CONCRETE BARRIER TYPE 2 WITH 42" CHANNELIZATION DEVICE
- DURING NIGHT CLOSURE: SCARIFY REMAINING DECK LEFT OF "E" LINE
- REPAIR DECK BETWEEN 20 MINUTE CLOSURES
- DURING NIGHT CLOSURE: INSTALL NEW CONCRETE CLASS 4000D OVERLAY

STAGE 3

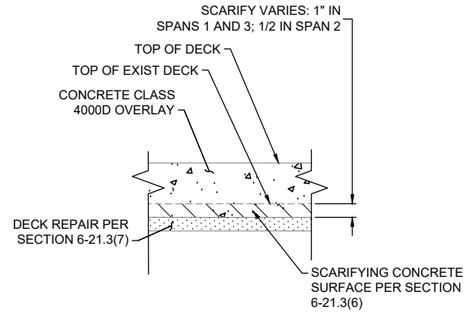
- DURING NIGHT CLOSURE: SCARIFY HMA WEDGE AND REMAINING EXISTING DECK
- REPAIR DECK DURING 20 MINUTE CLOSURES
- DURING NIGHT CLOSURE: INSTALL NEW CONCRETE CLASS 4000D OVERLAY; SEE SHEET BG03

KEY NOTES:

1. SEE DECK SCARIFICATION, DECK REPAIR, & OVERLAY DETAIL THIS SHEET
2. CONSTR JT WITH ROUGHENED SURFACE
3. CONCRETE CLASS 4000D DECK WIDENING
4. 34" SINGLE SLOPE BARRIER

LEGEND:

HATCHING DENOTES REMOVAL AREA



DECK SCARIFICATION, DECK REPAIR & OVERLAY DETAIL

SCALE: 1/4" = 1'-0"

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DESIGNED BY	NIK GORDON, P.E.				CONTRACT NO.		LOCATION NO.
ENTERED BY							B72021
CHECKED BY	PETE SLOCUM, P.E., S.E.						
PROJ. ENGR.	PETE SLOCUM, P.E., S.E.						
REGIONAL ADM.		REVISION	DATE	BY			

Digitally Signed by Peter Slocum 08/20/2026

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Wahkiakum County, WA

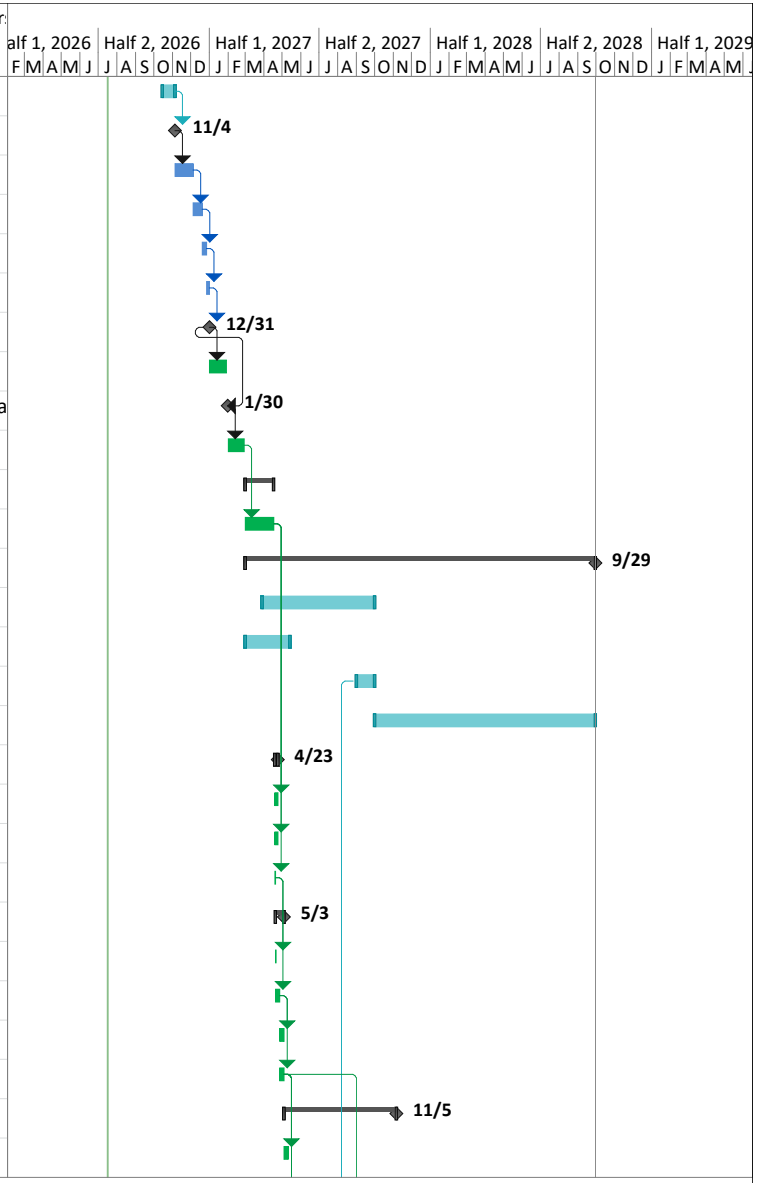
WILSON CREEK BRIDGE REPAIR - EAST VALLEY ROAD

GENERAL NOTES & STAGING

PLAN REF NO **BG02**

SHEET 14 OF 21 SHEETS

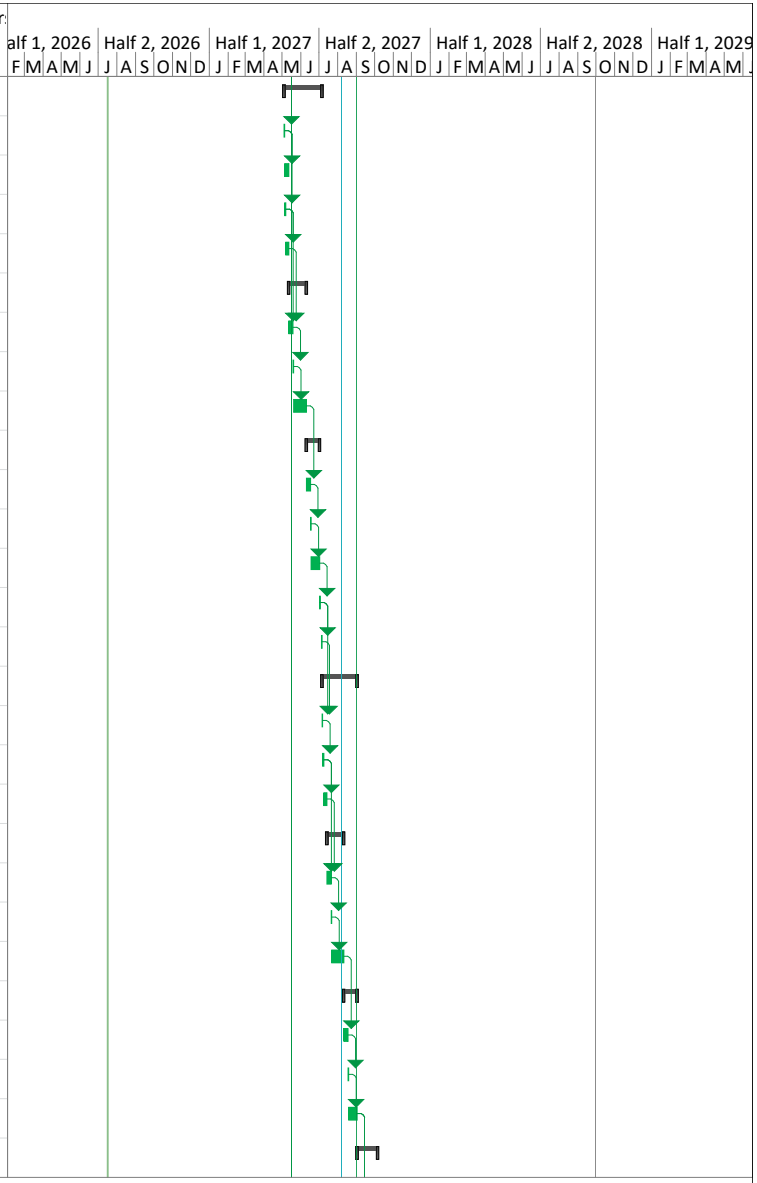
ID	Task Mod	Task Name	Duration	Start	Finish	Predecessors
1		**BID LETTING / ADVERTISMENT**	21 days	Thu 10/15/26	Wed 11/4/26	
2		**BID OPENING**	0 days	Wed 11/4/26	Wed 11/4/26	1
3		**AWARD OF CONTRACT**	30 days	Thu 11/5/26	Fri 12/4/26	2
4		**EXEC. OF CONTR. BY BIDDER**	15 days	Sat 12/5/26	Sat 12/19/26	3
5		**EXEC. OF CONTR. BY OWNER**	7 days	Sun 12/20/26	Sat 12/26/26	4
6		**EXEC. OF NOTICE TO PROCEED**	5 days	Sun 12/27/26	Thu 12/31/26	5
7		**NTP**	0 days	Thu 12/31/26	Thu 12/31/26	6
8		**PRELIMINARY SUBMITTALS**	20 days	Fri 1/1/27	Thu 1/28/27	7
9		**PRECONSTRUCTION CONFERENCE**	0 days	Sat 1/30/27	Sat 1/30/27	7SF+30 eda
10		**SUBMITTALS**	20 days	Mon 2/1/27	Fri 2/26/27	9
11		**MATERIAL FABRICATION**	**35 days**	**Mon 3/1/27**	**Fri 4/16/27**	
12		REINFORCEMENT FOR RAILING & DECK	35 days	Mon 3/1/27	Fri 4/16/27	10
13		**CONTRACT CONSTRAINTS**	**409 days**	**Mon 3/1/27**	**Fri 9/29/28**	
14		MIGRATORY BIRD ACT	132 days	Mon 3/29/27	Thu 9/30/27	
15		SEEDING WINDOW SPRING	54 days	Mon 3/1/27	Thu 5/13/27	
16		SEEDING WINDOW FALL	21 days	Wed 9/1/27	Thu 9/30/27	
17		PLANTING WINDOW	257 days	Fri 10/1/27	Fri 9/29/28	
18		**TEMPORARY FEATURES AND APPURTENANCES**	**5 days**	**Mon 4/19/27**	**Fri 4/23/27**	
19		MOBILIZATION	5 days	Mon 4/19/27	Fri 4/23/27	12
20		EROSION CONTROL / TREE REMOVAL	5 days	Mon 4/19/27	Fri 4/23/27	12
21		TPDT	1 day	Mon 4/19/27	Mon 4/19/27	12
22		**SITE PREPARATION**	**10 days**	**Tue 4/20/27**	**Mon 5/3/27**	
23		CLEARING & GRUBBING	1 day	Tue 4/20/27	Tue 4/20/27	21
24		EXCAVATION	5 days	Tue 4/20/27	Mon 4/26/27	21
25		DEMO	5 days	Tue 4/27/27	Mon 5/3/27	24
26		PRESERVE PROTECT: UTILITY, TREE & MISC	5 days	Tue 4/27/27	Mon 5/3/27	24
27		**BRIDGE REPAIR**	**132 days**	**Tue 5/4/27**	**Fri 11/5/27**	
28		INSTALL FALSEWORK	5 days	Tue 5/4/27	Mon 5/10/27	26



Project:
Wilson Creek Bridge Repair
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Task	External Tasks	Manual Task	Finish-only		
Split	External Milestone	Duration-only	Deadline		
Milestone	Inactive Task	Manual Summary Rollup	Progress		
Summary	Inactive Milestone	Manual Summary	Manual Progress		
Project Summary	Inactive Summary	Start-only			

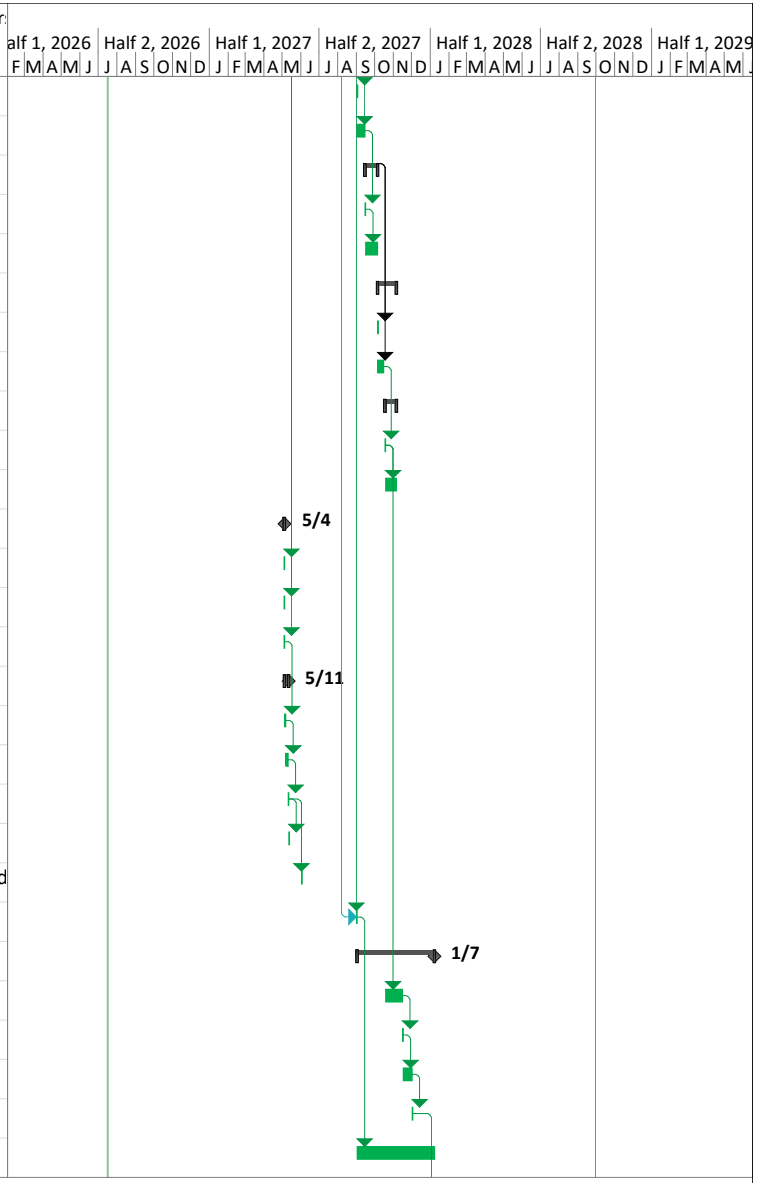
ID	Task Mod	Task Name	Duration	Start	Finish	Predecessors
29		**STAGE 1 PHASE 1 - EASTBOUND RAIL REPLACEMENT**	**44 days**	**Tue 5/4/27**	**Mon 7/5/27**	
30		INSTALL TRAFFIC CONTROL MEASURES	1 day	Tue 5/4/27	Tue 5/4/27	26
31		INSTALL END DRAIN HOLES @ EACH SPAN	5 days	Wed 5/5/27	Tue 5/11/27	30
32		RAILING REMOVAL	2 days	Wed 5/5/27	Thu 5/6/27	30
33		SCARIFY & REPAIR DECK	3 days	Fri 5/7/27	Tue 5/11/27	32
34		**INSTALL NEW DECK WIDENING**	**20 days**	**Wed 5/12/27**	**Wed 6/9/27**	
35		FORM DECK / SET REBAR	5 days	Wed 5/12/27	Tue 5/18/27	33,32
36		POUR CLASS 4000D DECK	1 day	Wed 5/19/27	Wed 5/19/27	35
37		CURE	14 days	Thu 5/20/27	Wed 6/9/27	36
38		**INSTALL NEW PERMANENT TRAFFIC BARRIER SINGLE SLOPE**	**16 days**	**Thu 6/10/27**	**Thu 7/1/27**	
39		FORM BARRIER / SET REBAR	5 days	Thu 6/10/27	Wed 6/16/27	37
40		POUR CLASS 4000 BARRIER	1 day	Thu 6/17/27	Thu 6/17/27	39
41		CURE	10 days	Fri 6/18/27	Thu 7/1/27	40
42		**INSTALL TAPERED HMA WEDGE**	1 day	Fri 7/2/27	Fri 7/2/27	41
43		**TRAFFIC SWITCH**	1 day	Mon 7/5/27	Mon 7/5/27	42
44		**STAGE 2 PHASE 1 - WESTBOUND RAIL REPLACEMENT**	**42 days**	**Tue 7/6/27**	**Wed 9/1/27**	
45		INSTALL TRAFFIC CONTROL MEASURES	1 day	Tue 7/6/27	Tue 7/6/27	43,42
46		RAILING AND SLAB REMOVAL	2 days	Wed 7/7/27	Thu 7/8/27	45
47		SCARIFY & REPAIR DECK	3 days	Fri 7/9/27	Tue 7/13/27	46
48		**INSTALL NEW DECK WIDENING & OVERLAY**	**20 days**	**Wed 7/14/27**	**Tue 8/10/27**	
49		FORM DECK / SET REBAR	5 days	Wed 7/14/27	Tue 7/20/27	47,46
50		POUR CLASS 4000D DECK & OVERLAY	1 day	Wed 7/21/27	Wed 7/21/27	49
51		CURE	14 days	Thu 7/22/27	Tue 8/10/27	50
52		**INSTALL NEW PERMANENT TRAFFIC BARRIER SINGLE SLOPE**	**16 days**	**Wed 8/11/27**	**Wed 9/1/27**	
53		FORM BARRIER / SET REBAR	5 days	Wed 8/11/27	Tue 8/17/27	51
54		POUR CLASS 4000 BARRIER	1 day	Wed 8/18/27	Wed 8/18/27	53
55		CURE	10 days	Thu 8/19/27	Wed 9/1/27	54
56		**STAGE 2 PHASE 2 - WESTBOUND DECK OVERLAY (*NIGHT WOF**	**23 days**	**Thu 9/2/27**	**Tue 10/5/27**	



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Wilson Creek Bridge Repair
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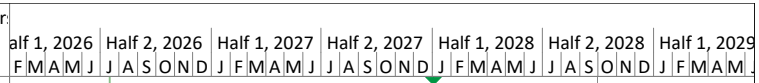
ID	Task Mod	Task Name	Duration	Start	Finish	Predecessors
57		SCARIFY DECK NORTH OF "E" LINE	1 day	Thu 9/2/27	Thu 9/2/27	55
58		REPAIR DECK & CURE TIME	8 days	Thu 9/2/27	Tue 9/14/27	55
59		**INSTALL DECK OVERLAY**	**15 days**	**Wed 9/15/27**	**Tue 10/5/27**	
60		POUR CLASS 4000D DECK	1 day	Wed 9/15/27	Wed 9/15/27	58
61		CURE	14 days	Thu 9/16/27	Tue 10/5/27	60
62		**STAGE 3 - EASTBOUND DECK OVERLAY (*NIGHT WORK*)**	**23 days**	**Wed 10/6/27**	**Fri 11/5/27**	
63		SCARIFY TAPPERED HMA WEDGE & REMAINING EXISTING DE	1 day	Wed 10/6/27	Wed 10/6/27	59
64		REPAIR DECK & CURE TIME	8 days	Wed 10/6/27	Fri 10/15/27	59
65		**INSTALL DECK OVERLAY**	**15 days**	**Mon 10/18/27**	**Fri 11/5/27**	
66		POUR CLASS 4000D DECK	1 day	Mon 10/18/27	Mon 10/18/27	64
67		CURE	14 days	Tue 10/19/27	Fri 11/5/27	66
68		**STORMWATER DRAINAGE - SHEET EC2**	**1 day**	**Tue 5/4/27**	**Tue 5/4/27**	
69		EXCAVATE	1 day	Tue 5/4/27	Tue 5/4/27	26
70		INSTALL INLETS & PIPE SECTIONS	1 day	Tue 5/4/27	Tue 5/4/27	26
71		BACKFILL & COMPACT	1 day	Tue 5/4/27	Tue 5/4/27	26
72		**ROADWAY SECTIONS**	**5 days**	**Wed 5/5/27**	**Tue 5/11/27**	
73		EXCAVATION	2 days	Wed 5/5/27	Thu 5/6/27	71
74		SUBGRADE - 6" CSBC & HMA	2 days	Fri 5/7/27	Mon 5/10/27	73
75		BITUMINOUSE PAVEMENT	1 day	Tue 5/11/27	Tue 5/11/27	74
76		**GUARDRAIL, TYPE 31**	1 day	Wed 5/12/27	Wed 5/12/27	75
77		**PAVEMENT MARKINGS**	1 day	Wed 6/2/27	Wed 6/2/27	75FS+21 ed
78		**SEEDING, FERTILIZING & MULCHING**	1 day	Wed 9/1/27	Wed 9/1/27	16SS,26
79		**CLOSE OUT**	**90 days**	**Thu 9/2/27**	**Fri 1/7/28**	
80		FLOAT	20 days	Tue 10/19/27	Mon 11/15/27	66
81		SUBSTANTIAL COMPLETION	1 day	Tue 11/16/27	Tue 11/16/27	80
82		PUNCHLIST	10 days	Wed 11/17/27	Wed 12/1/27	81
83		PHYSICAL COMPLETION	1 day	Thu 12/2/27	Thu 12/2/27	82
84		PLANT ESTABLISHMENT	90 days	Thu 9/2/27	Fri 1/7/28	78



Project:
Wilson Creek Bridge Repair
Date: Fri 7/17/26

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Summary	Inactive Milestone	Manual Summary	Manual Progress		
Project Summary	Inactive Summary	Start-only			

ID	Task Mod	Task Name	Duration	Start	Finish	Predecessors
85		FINAL COMPLETION	1 day	Mon 1/3/28	Mon 1/3/28	83FS+30 ed



Project:
Wilson Creek Bridge Repair
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Task	External Tasks	Manual Task	Finish-only		
Split	External Milestone	Duration-only	Deadline		
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Washington State Department of Transportation

Lump Sum Traffic Control Risk Assessment

Project Title:	Wilson Creek Bridge Repair - East Valley Road
CN Cost Est:	

SR	East Valley Road	**Begin MP**	1.64	**End MP**	1.73	**Length:** 0.09	***miles***
SR		**Begin MP**		**End MP**		**Length:** 0	***miles***
SR		**Begin MP**		**End MP**		**Length:** 0	***miles***

Brief Project Description:

Bridge strengthing and rail repalcement. Guardrail transition and terminal replacement. Shoulder grading within clearzone.

Considerations

		Risk Rating	Explanation For Rating and Mitigation Measures Implemented
1	**Contract Duration and Schedule**		
1a	Contract Duration	**0**	Work is expected to take about 7 months.
1b	Contract Schedule	**0**	The bridge work is phased for traffic control. The guardrail and paving work cannot occur until after the bridge work is complete. The progression is linear.
2	**Construction stages**		
2a	Number of construction stages	**3**	4 work stages dictated by the bridge work. The work is linear and cannot be completed concurrently or in a different order.
3	**Traffic Control Needs**		
3a	Intersection Closures	**0**	No intersection closures
3b	Interchange Closures	**0**	No interchange closures
3c	Rolling Slowdowns	**0**	No rolling slowdowns
3d	Mainline Closures	**3**	East Valley Road will be closed at night for a portion of the deck work
3e	Other High Impact Closures	**0**	No high impact closures
3f	Closure Approval By Others	**0**	No closure approvals by others
3g	Transit Impacts	**0**	No transit impacts
3h	Pedestrian Route Closures	**0**	No pedestrian route closures
3i	Bicycle Route Closures	**0**	No bicycle route closures
3j	Traffic Control Provided for Others	**0**	Traffic control provided in the plans
3k	Multiple Shifts (day & night)	**3**	Night work for a portion of the deck work
3l	Roadway Detours	**0**	No detours
4	**Traffic Control Plans**		
4a	Is the contract missing traffic control plans?	**0**	Traffic control provided in the plans
4b	Does the contract have significant number of TC plan	**0**	3 Traffic Control sheets and 1 bridge construction sequencing sheet

9

Design-Bid-Build Traffic Control Risk Level

Score	Level	Candidate for LS Traffic Control
0 to 35	**Low**	Good candidate for LSTC
35 to 70	**Medium**	Consider LSTC w/ minor mitigation
70 to 105	**High**	Bid items or LSTC w/ mitigation
105 or greater	**Very High**	Not a good candidate for LSTC

Washington State Department of Transportation

Date: 8/20/2026

Items of work that can be included in Lump Sum

Items of work that cannot be included in Lump Sum

Project: Wilson Creek Bridge Repair - East Valley Road

State Route: 'alley R Estimate By: M. Phillips Checked By: A. Eoff Project Engineer: Matthew Phillips, PE

Assumed Working Days: 156 Work Order: B72021

*** PREMIMINARY ESTIMATE ***

STD. NO.	ITEM DESCRIPTION	UNIT	UNIT PRICE	QUANTITY	AMOUNT
6974	TRAFFIC CONTROL SUPERVISOR	L.S.		1	$37,000.00
6980	FLAGGERS	HR	$90.00	816	$73,000.00
6992	OTHER TRAFFIC CONTROL LABOR	HR	$0.00	0	$0.00
6956	SEQUENTIAL ARROW SIGN	HR	$0.00	0	$0.00
6982	CONSTRUCTION CLASS A SIGNS	S.F.	$25.00	229	$6,000.00
6993	PORTABLE CHANGEABLE MESSAGE SIGN	HR	$4.00	7488	$30,000.00
7448	TRANSPORTABLE ATTENUATOR	HR	$0.00	0	$0.00
7450	REPAIR TRANSPORTABLE ATTENUATOR	EST	$0.00	0	$0.00
6913	PORTABLE TEMPORARY TRAFFIC CONTROL SIGNAL	EA	$15,000.00	2	$30,000.00
6973	OTHER TEMPORARY TRAFFIC CONTROL	L.S.			$25,000.00

BASE TOTAL : **$116,000.00**

Traffic Control Supervisor [L.S.] (Bid Item 6974)

51 days x 1 TCS x 8 hr/day = 408 Hours
+ 0 % = 0 Hours
408 Hours

Assumed Rate ($/HR): $90.00
Total = $36,720.00
$37,000.00

Flaggers [HR] (Bid Item 6980)

51 days x 2 F/S x 8 hr/day = 816 Hours
+ 0 % = 0 Hours
816 Hours

Assumed Rate ($/HR): $90.00
Total = $73,440.00
$73,000.00

Other Traffic Control Labor [HR] (Bid Item 6992)

0 days x 0 Labor x 0 hr/day = 0 Hours
+ 0 % = 0 Hours
0 Hours

Assumed Rate ($/HR): $0.00
Total = $0.00
$0.00

Sequential Arrow Sign [HR] (Bid Item 6956)

0 days x 0 S.A. x 0 hr/day = 0 Hours
+ 0 % = 0 Hours
0 Hours

Assumed Rate ($/HR): $0.00
Total = $0.00
$0.00

Construction Signs Class A [S.F.] (Bid Item 6982)

Quantity		Dimmensions			=	Area		Description
2	signs x	12 in	x	36 in	=	6	ft^2	2 of [G28-101]
4	signs x	24 in	x	24 in	=	16	ft^2	4 of [G20-2],[G20-1]
4	signs x	24 in	x	30 in	=	20	ft^2	4 of [G24-501]
2	signs x	24 in	x	48 in	=	16	ft^2	2 of [I20-301],[R11-1501]
2	signs x	30 in	x	36 in	=	15	ft^2	2 of [W20-1],[G28-201]
12	signs x	36 in	x	36 in	=	108	ft^3	
4	signs x	36 in	x	48 in	=	48	ft^2	
						229	ft^2	

Assumed Rate ($/SF): $25.00
Total = $5,725.00
$6,000.00

Portable Changeable Message Sign [HR] (Bid Item 6993)

156 days x 2 PCMS x 24 hr/day = 7488 Hours
+ 0 % = 0 Hours
7488 Hours

Assumed Rate ($/HR): $4.00

Total = $29,952.00
$30,000.00

Transportable Attenuator [HR] (Bid Item 7448)

0 days x 0 TMA x *0* hr/day = 0 Hours
+ 0 % = 0 Hours
0 Hours

Total Required TMA = 0

Assumed Rate ($/HR): $0.00

Total = $0.00
$0.00

Assumed Rate ($/HR): $0.00

Total = $0.00
$0.00

Repair Transportable Attenuator [F.A.] (Bid Item 7450)

Assumed Rate ($): $0.00

Total = $0.00
$0.00

Portable Temporary Traffic Control Signal [EA] (Bid Item 6913)

Assumed Rate ($/EA): $0.00

Total = $0.00
$0.00

Other Temporary Traffic Control [L.S.] (Bid Item 6973)

CLASS B SIGNS

Quantity		*Dimmensions*			=	*Area*		Description		
18	signs x	48 in	x	48 in	=	288	ft^2	18	of	Miscellaneous Class B signs
18	signs x	48 in	x	48 in	=	288	ft^2	18	of	Miscellaneous Class B signs
0	signs x	48 in	x	48 in	=	0	ft^2	0	of	
0	signs x	48 in	x	48 in	=	0	ft^2	0	of	
0	signs x	48 in	x	60 in	=	0	ft^2	0	of	
0	signs x	48 in	x	60 in	=	0	ft^2	0	of	
						576	ft^2			

Assumed Rate ($/SF): $25.00

Sub-Total = $14,400.00

CHANNELIZATION DEVICES

Description	*Qty*		*Cost*		*Total*	*Unit*
Traffic Safety Drums:	15	x	$50.00	=	$750.00	Each
Type III Barricade	2	x	$250.00	=	$500.00	Each
Tubular Markers	36	x	$50.00	=	$1,800.00	Each
Temporary Conc. Barrier	160	x	$40.00	=	$6,400.00	Each
Other	0	x	$0.00	=	$0.00	Each
Other	0	x	$0.00	=	$0.00	Each
Additional Buffer Percentage of	15			=	$1,417.50	
			Sub-Total	=	$10,867.50	

Total = $25,267.50
$25,000.00