TMP Checklist

Purpose: To make a determination of whether the following issues are present or should be considered during project development through a more detailed TMP.

Project Significance Level (as determined in Table 4): D

Project Manager during Project Definition:

Name: Ken Upmal Date: 9/12/2023

Modified or Approved by (Project Manager at Preliminary Design for Significant Projects)**:**
Name: Ken Upmal Date: 2/1/2024

Modified or Approved by (Project Manager at PS&E for Significant Projects)**:**

Name: Casey Leach Date: 10/28/2026

Project Description (Location, Activity, Anticipated Duration):

The project is located at MM 1.087 on VT Route 5A in Charleston. An existing metal culvert will be replaced with a new pre-cast concrete box structure.

	Yes	No	Poss	N/A	Comments
1. Has the Positive Protection Worksheet been completed?	☒	☐	☐	☐	
2. Does the project require a long-term (greater than 3 days)[1] lane or roadway/bridge closure?	☒	☒	☐	☐	Using alternating one-way diversion.
3. Are there any restrictions or considerations regarding construction timeframes due to traffic concerns (e.g., time of day, site specific time of year limits)? Where are those restrictions written?	☐	☒	☐	☐	
4. Can typical applications for traffic control be used?	☒	☐	☐	☐	TAs can be used during short term lane closures when flaggers are used.
5. Are there any limitations to when typical applications can be used (time of year, time of day, days of week)?	☐	☒	☐	☐	Signals are not to be operating and signal related signs shall be covered when Flagging Activity is occurring.

	Yes	No	Poss	N/A	Comments
6. Is there sidewalk, pedestrian/bicycle lane, path, trail, or access that needs to be maintained during construction?	☐	☒	☐	☐	
7. Is a speed reduction proposed (consistent with state guidance) and what warrants the reduction?	☐	☒	☐	☐	
8. Will temporary roadways or additional width be needed on culverts, bridges, or shoulders to maintain traffic?	☒	☐	☐	☐	One-way alternating temporary Diversion with temporary signal.
9. Will construction impact access to businesses?	☒	☐	☐	☐	Farm adjacent to project. Will maintain access at all times.
10. Will construction impact any parking, standard or handicapped?	☐	☒	☐	☐	
11. Are there other projects (utility, district maintenance, construction, municipal) in the area that should be coordinated with or avoided?	☐	☒	☐	☐	
12. Will/Can the traffic be reasonably detoured? If no, proceed to #20. If yes or possibly complete 13-19.	☐	☒	☐	☐	
13. Is the detour route roadway type equivalent to the closed roadway?	☐	☐	☐	☐	
14. Is the local alternate detour route in good condition?	☐	☐	☐	☐	
15. Will the detour route have a detrimental impact on emergency services, school buses, or other sensitive traffic?	☐	☐	☐	☐	
16. Are there load limit restrictions on the detour?	☐	☐	☐	☐	
17. Are there width or height restrictions on the detour?	☐	☐	☐	☐	
18. Are modifications needed at intersections on the detour/alternate route?	☐	☐	☐	☐	
19. Are pedestrian and bicycle needs addressed with the detour?	☐	☐	☐	☐	
20. Will traffic signal timing need to be adjusted for the project (with or without a detour)?	☐	☐	☐	☒	
21. Are there truck facilities or routes that would be impacted by the project or by a detour (turning radii, weight restrictions, etc.)?	☐	☒	☐	☐	Temporary diversion will maintain routes for all road users.
22. Are there special events or traffic generators (schools and bus routes, large employers, hospitals) that may be affected by the project and/or detour?	☒	☐	☐	☐	Buses may travel this road but they will use the diversion like all other traffic.

	Yes	No	Poss	N/A	Comments
23. Will emergency vehicle routing, mail delivery, school bus routes, or trash services be interrupted by the project (with or without detour)?	☐	☒	☐	☐	Diversion will keep routes uninterrupted.
24. Are there specific stakeholders to engage regarding the work zone impacts?	☒	☐	☐	☐	Farm/residence adjacent to project.
25. Is the work zone project area overlapping or adjacent to a high crash location?	☐	☒	☐	☐	
26. Are there other maintenance of traffic issues to consider? Specify in comments	☐	☒	☐	☐	
27. Has adequate space been provided to carry out the TCP as intended by these documents?	☒	☐	☐	☐	

1. MUTCD 11th Edition, Section 6N.01

Additional comments or Narrative for non-significant projects with issues identified above:

It is anticipated flaggers and temporary lane closures will be used to build the temporary traffic diversion. Once that is in place, flaggers may still be used when trucks/equipment need to enter/exit the worksite, but the overall site specific plan will be developed by the Contractor.

Flaggers and temporary lane closures will then be used again, it is anticipated, once the temporary traffic diversion is removed.

A temporary signal will be used while the temporary traffic diversion is in place, as it will be an alternating one-way.

Positive Protection Worksheet		
Worksheet Preparer: Darin Gates	Date: 7/23/2026	
Project Name & Number: Charleston STP CULV(172)		
Route #: VT 5A		
Begin Mile Marker: 1.070	End Mile Marker: 1.095	
Duration of Construction	**Points**	**Score**
Longterm Stationary (more than 3 days)	10	10
Intermediate Stationary (more than 1 day, up to 3 days)	6	
Short Term Stationary (up to 1 day)	4	
Short Duration (Up to 1 hour)	2	
Mobile (moving with intermittent stops up to 15 minutes)	0	
Means of Escape	**Points**	**Score**
Confined with no means of escape	10	5
Areas with variable escape conditions	5	
Open area with multiple escape routes	0	
Traffic Volume (AADT)	**Points**	**Score**
>20,000 interstate or >15,000 state or town highway	10	0
>15,000 interstate or >10,000 state or town highway	6	
>10,000 interstate or >5,000 state or town highway	3	
Less than above	0	
Posted Speed Limit	**Points**	**Score**
55 MPH or greater	10	6
45 MPH to 50 MPH	6	
30 MPH to 40 MPH	3	
25 MPH or less	0	
Worker Exposure	**Points**	**Score**
Workers expected to be less than 6 feet from traffic	10	5
Workers expected to be between 6 and 15 feet from traffic	5	
Workers expected to be more than 15 feet from traffic	0	
	Total Score	26

If the score is:

- **40 or more = High Risk.** Positive protection required.
- **20-39 = Medium Risk.** Positive protection needed or implement management measures or strategies to reduce risk. (Refer to Work Zone Management Strategies in Chapter 2 of this document)
- **19 or less = Low Risk.** Positive protection not warranted

If the project is high risk, describe what elements of positive protection will be utilized:

Click or tap here to enter text.

If the project is medium risk, describe what elements of positive protection will be utilized or what management strategies will be deployed to reduce the risk.

Click or tap here to enter text.

☒ 1. Effective, credible signing	☒ 2. Changeable message signs	☐ 3. Arrow boards	☐ 4. Warning flags and lights on signs
☒ 5. Longitudinal and lateral buffer space	☒ 6. Trained flaggers and spotters	☐ 7. Enhanced flagger station setups of AFADs	☐ 8. Intrusion Alarms
☐ 9. Rumble Strips	☐ 10. Pace or pilot vehicle	☐ 11. High-quality work zone pavement markings and removal of misleading markings	☐ 12. Channelizing device spacing reduction
☒ 13. Longitudinal channelizing barricades	☐ 14. Work zone speed management	☐ 15. Law enforcement	☐ 16 Speed Safety Cameras
☐ 17. Drone radar	☒ 18. Worker and equipment visibility	☒ 19. Worker training	☒ 20. Public and traveler information
☒ 21. Temporary traffic signals	☐ 22. Protection or shadow vehicles	☐ 23. Intelligent Transportation Systems	

If an exception is being developed for the project, please summarize reasoning below, and provide supporting documentation, including an engineering study (e.g. benefit/cost analysis, construction feasibility study, etc.)

Click or tap here to enter text.

Note: This worksheet is designed for worker protection and does not consider other situations where positive protection may be needed. Refer to VTrans Standard Drawings for drop-off protection requirements.