

MARYLAND DEPARTMENT Temporary Traffic Control (TTC) Inspection/Rating Report

Project Information	Date/Time of Inspection:
Rating/Grade of Project District/County Contractor Name Project Location	Permit/Contract No Project Eng./Foreman Project Description
Appropriate WZTC Standard	
Inspection Checklist	
TTC DEVICES ► TEMPORARY BARRIER/CRASH CUSHION ► ARROW PANEL ► SIGNS ► PAVEMENT MARKINGS/ RPMs ► CHANNELIZING DEVICES (Tubular Markers, Drums, Barricades, Cones, etc.) ► FLAGGER ► PORTABLE VARIABLE MESSAGE SIGN (PVMS)	TTC OPERATIONS ► WORK ZONE IMPACT ► INTELLIGENT TRANSPORTATION SYSTEMS (ITS) APPLICATIONS ► TRAFFIC OPERATIONS STRATEGIES ► SAFETY ► ACCIDENTS GENERAL ► CONTRACTOR IS CONFORMING TO CONTRACTUAL DOCUMENTS
Ratings Comments	*See reverse side for guidelines
Corrective Actions	Distribution
Corrective actions by: At Request Urgent (24 hrs) 5 Days Spec Book Additional information/ photographs attached Yes No	cc:ADE-MUtility EngineerDistrict EngineerADE-TTDSD/OOTSProject EngineerADE-CArea EngineerOther

Temporary Traffic Control (TTC) Devices

TEMPORARY BARRIER/CRASH CUSHIONS

- → Improper barrier wall flare
- → Improper barrier end treatment
- → Improper temporary barrier end transition with existing W-Beam or concrete barrier
- → Non-standard or no object marker/vertical panel
- → Reflector maintenance needed
- → Reflector on barrier flare not allowed
- → Barrier wall damaged or dirty
- → Barrier delineation improper
- → Inadequate or no crash cushion
- → Improper installation of crash cushions
- → Crash cushions damaged or dirty

ARROW PANEL

- → None or Non-standard
- → Malfunction (bulb-out, etc)
- → Incorrect placement
- → Incorrectly aimed (or misaligned bulbs)
- → Not dimmed at night
- → Not protected as in SHA standard
- → Inadequate sight distance
- → Wrong indication/display

SIGNS

- → SHA's typical or TCP (for the current phase of job) not followed
- → Non-standard type (material, size, color)
- → Poor reflectivity
- → Conflicting permanent & temporary signing
- → Sign legend problem
- → Duct tape, obstructed, damaged, dirty, overlay plate, non-standard
- → Wrong message
- → Inappropriate/ contradictory signs not covered/removed
- → Sign support problem
- → Sign missing or down
- → Horizontal and vertical clearances

PAVEMENT MARKINGS

- → None or non-standard markings
- → Less than full complement of pavement markings/ delineation
- → Unnecessary or conflicting markings not obliterated completely
- → Failing of temporary markings/Raised Pavement Markers (RPMs)
- → Less than required number of RPMs
- → Improper alignment
- → Incorrect skip size/space

CHANNELIZING DEVICES (CDs) (CONES, DRUMS, ETC.)

- → Non-standard device (shape, density)
- → Non-standard single or multilane taper
- → Incorrect spacing
- → Placed too far away from traffic (> 2 ft.)
- → Damaged, dirty or non-reflective
- → Improper alignment
- → No CDs placed preceding barrier end sections
- → Improperly weighted
- → Missing or poor reflectivity

FLAGGERS

- → Non-certified flagger
- → STOP/SLOW paddle is non-standard
- → Incorrect signaling device (flag)
- → Incorrect flagging
- → Wearing improper clothing
- → No flaggers present (signs displayed)
- Improper distance from advanced warning sign to flagger

PORTABLE VARIABLE MESSAGE SIGNS

- → Application does not meet SHA guidelines
- → Incorrect or unapproved message
- → Non-standard or unapproved VMS equipment
- → Not protected as in SHA standard
- → Improper placement
- → Inadequate sight distance
- → Too many messages

GENERAL

- → Traffic Control Device is not NCHRP-350 approved or not
- → Listed as an SHA "Approved Product"
- → Lane closures do not have on-going operations/work
- → Improper stopping or detouring of traffic
- → Unprotected hazards on or adjacent to travel roadway
- → Pavement drop-off not in compliance with SHA standards and special provisions
- → Missing or non-compliant retro-reflective apparel (Type II)

TTC Operations

WORK ZONE IMPACT

Visible problems/conflicts

- → Excessive Queues/Delays
- → High Speeds/Sudden Speed Changes
- → Pedestrian/Bicycle Issues
- → Business/Residential Impacts
- → Limited Sight Distance
- → Coordination w/ Adjacent Work Zones
- → Reduced Ramp Merge Area/Ramp Queues

INTELLIGENT TRANSPORTATION SYSTEMS (ITS) APPLICATIONS

Not operating as intended/conveying inaccurate information/message not readable

- → Speed Display
- → Oueue Detection System
- → Dynamic Late Merge System
- → Travel Time Estimation System
- → Advanced Speed Information System
- → Utilization of PCMS/Overhead DMS signs

TRAFFIC OPERATIONS STRATEGIES

Not operating as intended

- → Lane Closure Restrictions
- → Transit Service Operations
- → Signal Timing Operations/Coordination
- → Temporary Traffic Signal Operations
- → Equipment Storage/Parking Issues

SAFETY

Visible need for/incorrect usage/location of

- → Protection Vehicle
- → Maryland State Trooper

ACCIDENTS

Evidence/reports of accidents

- → Rear End
- → Sideswipe
- \rightarrow Turning
- → Run-off-Road/Drop-off
- → Head On
- → Fixed Object

Note: Include any suggested applications/strategies that may be applicable for the work zone.