Temporary Traffic Control (TTC) Inspection/Rating Report

Project Information

<table>
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<tr>
<th>Rating/Grade of Project</th>
<th>Permit/Contract No.</th>
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<td>District/County</td>
<td>Project Eng./Foreman</td>
</tr>
<tr>
<td>Contractor Name</td>
<td>Project Description</td>
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Project Location

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

*See reverse side for guidelines

Ratings Comments

________________________________________________________________________
________________________________________________________________________
________________________________________________________________________
________________________________________________________________________
________________________________________________________________________
________________________________________________________________________
________________________________________________________________________
________________________________________________________________________

Corrective Actions

Corrective actions by: ___ At Request ___ Urgent (24 hrs) ___ 5 Days ___ Spec Book

Additional information/ photographs attached ___ Yes ___ No

Distribution

cc: ___ ADE-M ___ Utility Engineer ___ District Engineer
    ___ ADE-T ___ TDSD/OOTS ___ Project Engineer
    ___ ADE-C ___ Area Engineer ___ Other

SHA 52.4-01 - 6/13/08
### 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

#### 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

#### 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
- 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

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#### 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
- Queue Detection System
- Dynamic Lane 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
- Turning
- Run-off-Road/Drop-off
- Head On
- Fixed Object

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