

TTM AUDIT SUMMARY

These fields will automatically summarise key information from the SCR as it is completed

Road name	
TTM Contractor	
Final score	Site condition rating

INTRODUCTION TO TTM SITE CONDITION RATING FORM

Audit fundamentals

Each site is assessed based on the approved TMP.

If TMP is not available (or does not exist or is not applicable) site will be reviewed based on CoPTTM.

SCR Result

Site rating	Explanation
High standard	0-10 points
Acceptable	11-25 points
Needs Improvement	26-50 points
Unacceptable - Other	Under 51 points and: <ul style="list-style-type: none">• item(s) in OTHER WORKSITE ASPECTS are marked UNACCEPTABLE• LOW RISK? is marked YES
Unacceptable	51+ points and: <ul style="list-style-type: none">• Item(s) in OTHER WORKSITE ASPECTS are marked YES• LOW RISK? is marked YES
Unacceptable - Multiple	51+ points and: <ul style="list-style-type: none">• item(s) in OTHER WORKSITE ASPECTS are marked UNACCEPTABLE• LOW RISK? is marked YES
DANGEROUS	51+ points and LOW RISK? is marked NO

TTM SITE CONDITION RATING FORM

Clear Form

SITE DETAILS			
RCA			
Suburb			
Road name			
CAR / WAP number		Road ID	
Date / Time		TTM level	

OPERATIONAL DETAILS	
Activity description	
TTM method	
TTM Contractor	
Contractor - working space	
Client / Principal	

SIGNS		Weighting	Tally Box	Total
A1	Missing	Sign	5	
A2	Position	Sign	2	
A3	Not visible/fallen over	Sign	5	
A4	Wrong sign	Sign	5	
A5	Condition unacceptable	Sign	4	
A6	Permanent sign	Sign	5	
A7	Unapproved sign used / too small	Sign	4	
A8	Non-compliant support / sign too low	Support	2	

MISCELLANEOUS		Weighting	Tally Box	Total
E1	Working in live lanes	Individual	20	
E2	Missing or ineffective controller	Individual	20	
E3	Safety zone compromised	Individual	10	
E4	High visibility garment not acceptable	Individual	5	
E5	Marginal surface condition (carriageway only)	Occasion	15	
E6	Unacceptable surface condition (peds, cyclists or carriageway)	Occasion	30	
E7	Barrier defects (missing or incorrect components)	Component	10	
E8	Unsafe or redundant TTM	Equipment	5	
E9	VMS message incorrect or inappropriate	VMS	15	
E10	Flashing beacons / indicator lights not used or ineffective	Vehicle	3	
E11	Parking / stopping features not relocated	Feature	5	
E12	Unsafe and illegal parking of plant/equip.	Feature	20	
E13	Marginal items (signs, delineators, Hi vis garments)	Feature	1	

MOBILE & SEMI STATIC			
B1	Tail pilot vehicle / AWWMS omitted or incorrect location	Vehicle	30
B2	Lead pilot vehicle omitted or incorrect location	Vehicle	20
B3	Shadow vehicle omitted or incorrect location	Vehicle	26
B4	TMA missing or non compliant	TMA	26
B5	AWVMS/arrowboard non compliant	Vehicle	26

OTHER WORKSITE ASPECTS	
G1	QUALIFIED PERSON ON SITE [REFER TO A5 OF COPTTM]
G2	TSL APPROPRIATE [REFER TO C4 OF COPTTM]
G3	ROAD USER FLOW ACCEPTABLE
G4	ON-SITE RECORD [FORM MUST INCLUDE STMS AUTHORITY, 2 HOURLY CHECKS AND TSL DETAILS]
G5	TMP APPROVED?
G6	APPROVED TMP SIGHTED?
G7	APPROVED TMP APPLICABLE?
G8	TTM IN ACCORDANCE WITH APPROVED TMP?

PEDESTRIANS / CYCLISTS			
C1	Inadequate provision for pedestrians	Feature	10
C2	Inadequate provision for cyclists	Feature	10

DELINEATION			
D1	Missing or ineffective taper	Leading taper	26
D2	Tapers too short	Leading taper	15
D3	Taper too short or missing	Trailing taper	5
D4	Spacing in taper	Taper	5
D5	Spacing along lanes	Per 100m delineation	3
D6	Missing or ineffective delineation along lanes	Delineation section	10
D7	Condition unacceptable	Device	2
D8	Using non-approved device	Device	4
D9	Road marking incorrect at long term level 2 or 3 roads	Site	30
D10	Inadequate/missing site access	Access	10

FINAL RESULT	
ACTIONS PLANNED BY STMS	SITE ACTIVITY CEASED BY
SITE FIXED?	

KEY POINTS	COMPLAINT CALLOUT?	SITE ACTIVITY STATUS	NOTIFICATIONS (RCA) <i>Does not affect score</i>	TMP DESIGN ISSUES? <i>If yes, record issues in key points below</i>	LOW RISK?
		AUDIT/ REVIEW PLANNED / UNPLANNED?	GOOD SITE INDUCTION? <i>Does not affect score</i>		

ACTIONS TO BE TAKEN

AUDITED / REVIEWED BY			
Signature			
Auditor/Reviewer name			
Qualifications		NZTA ID No.	
Auditor/Reviewer mobile number			

STMS DETAILS			
RECEIVED BY / SIGNED		SCR LEFT ONSITE?	
STMS name			
Qualifications		NZTA ID No.	
STMS mobile number			

In submitting this form, the auditor/reviewer specified above agrees that they have explained the significant issues and proposed remedies to the relevant parties specified above and have handed these parties a physical copy of the audit (does not apply for unattended sites).

TTM SITE CONDITION RATING FORM – FULL AUDIT

Explanations / Descriptions

SITE DETAILS

RCA	The RCA who has primary responsibility for the worksite
Suburb	The suburb/s affected by the activity
Road name	The road name/s and any affected intersections.
Road ID	The road ID (if known) Note: On the electronic form, this will automatically complete the Road name and Suburb fields
CAR / WAP Number	The RCA consent reference, for example the corridor access request (CAR) or work access permit (WAP) and/or any RCA contract reference.
TTM level	The level of road designated by the RCA
Date/Time	The date and time of the audit Note: On the electronic form, click the Insert Data button to add the date and time of audit

OPERATION DETAILS

Activity description	Physical works taking place
TTM method	Type of TTM installed
TTM Contractor	Name of the contractor responsible for the TTM
Contractor - working space	Name of the contractor responsible for the working space
Client / Principal	Who the work is being carried out for

For additional information, refer to the Glossary, Section B1.4 for signs used at worksites, and the layout diagrams

SIGNS

A1	Missing	Measure	Weighting	COPTTM Ref
	<p>Any signs that should have been erected that are missing including for mobile, semi-static and static operations.</p> <p>A sign and supplementary plate combination is to be counted as one sign eg T1A plus T144. If either the sign or a supplementary plate is missing from a combination when required, then, it is counted as one sign missing.</p>	Sign	5	B1, C3
A2	Position	Measure	Weighting	COPTTM Ref
	<p>Any signs where the spacing is too close or too far from other signs or the working space. Refer to CoPTTM worksite layout distance tables. Also includes signs that are too close or too wide apart across the road (eg gated speed signs that are placed on the back berm); signs that are offset by more than the approved allowance (eg TSL signs offset by more than 20m); signs blocking bus stops, cycle lanes or footpaths.</p> <p>Minor amendments should be noted on the TMP. Movement of TSL signs should be notified to RCA to maintain legality.</p>	Sign	2	C2.1.3, C2.1.4, C2.2, C2.3, C2.4, C2.5, C2.6, C2.7, C3.3.3, C4.3.1, C8.2.7, C10.5.2, C11.2.4, C11.2.5, D3.3.2
A3	Not visible / fallen over	Measure	Weighting	COPTTM Ref
	<p>Any TTM sign that should be erected at the worksite, which is not visible (eg knocked down or visibility blocked by a parked vehicle, vegetation or street furniture). If obstruction is noted in on-site record and best endeavours have been made, do not include in tally.</p>	Sign	5	B1.3.4, C3.3, C3.3.2, C3.4, C11.2.4, C 11.2.5, C19.3.3,

A4	Wrong sign	Measure	Weighting	COPTTM Ref
	The wrong sign has been used, eg TL2L or TL2R sign showing the wrong lane being closed. Inappropriate signage. Incorrect TSL signage (eg TSL reinstatement incorrect for permanent speed limit). Wrong use of the sign from its intended purpose including detour arrows, NO ENTRY instead of ROAD CLOSED, or use of a sign with similar message but not the correct sign as per CoPTTM definition of use. Non-standard signs should be approved as part of TMP.	Sign	5	B1.4
A5	Condition unacceptable	Measure	Weighting	COPTTM Ref
	Refer to CoPTTM Section C19 Maintenance Standards. Includes signs unreadable at sign visibility distance and graffiti affecting the message of the sign. Marginal signs not included in the tally but must be advised to STMS.	Sign	4	C19, C19.2, C19.2.3, C19.3.1, C19.3.2
A6	Permanent sign	Measure	Weighting	COPTTM Ref
	Permanent signs that have not been covered and are no longer relevant to road users because of the activity. Includes curve advisory if advisory speed higher than TSL (chevron must be left visible), permanent speed limits, permanent lane advisory signs, passing lane advisory signs and permanent signs removed from site to facilitate works but still required. Consider suitability of sign coverage (eg must not affect the reflectivity of the sign when cover is removed). Includes permanent signs blocked by temporary signs. Parking features when relocated but signs not covered recorded under E11.	Sign	5	C3.6, C4.4.4, C19.5.1
A7	Unapproved sign used / too small	Measure	Weighting	COPTTM Ref
	Signs used that are not approved for use at worksites, includes using level 1 signs at level 2 and 3 TTM worksites. Also includes using signs not approved in TMP (excludes applicable CoPTTM sign where appropriate) and use of a small sign when full sign could be implemented when not approved on TMP or use of small sign in combination with full sized sign (eg small main sign with full size supplementary plate). RD6 sign - CoPTTM does not include use of cone mounted single arrow, twin disc preferred, not counted in SCR but advise TTM provider to phase out use. If smaller sign is required due to environmental factor this should be approved in the TMP.	Sign	4	B1.3, B1.3.3, B1.4, D1.4
A8	Non-compliant support / sign too low	Measure	Weighting	COPTTM Ref
	Using supports that fail to meet the requirements of subsection B1.3.4 Sign stands and supports. Also includes signs mounted lower than the accepted minimum as described in the CoPTTM, stop/go paddles not in direct physical control by the MTC, attaching a sign to a regulatory sign pole or street furniture where it will cause obstruction or damage to the asset. Also includes signs not being appropriately delineated.	Support	2	B1, B1.3.4, C3.3.2, C3.4.1, C3.5, C10.2.9, C19.3.3,

MOBILE & SEMI STATIC

B1	Tail pilot vehicle / AWWMS omitted or incorrect location	Measure	Weighting	COPTTM Ref
	Missing when required or location (lateral or longitudinal) is incorrect. Note if arrow is incorrect record under E9.	Vehicle	30	C14.2.2, D1.4.4, D1.6.2, D1.9.2, D1.10.1, D2.1.3, D2.1.5, D3.1, D3.3, D5.1.1, D5.1.3, D5.1.4, D5.2.1, D5.2.3, D5.2.4, D5.3, , D6.1.4
B2	Lead pilot vehicle omitted or incorrect location	Measure	Weighting	COPTTM Ref
	Missing when required or location (lateral or longitudinal) is incorrect.	Vehicle	20	, D1.3, D1.4.3, D1.10.1, D3.1, D3.2, D4.2, D5.1.4, D5.2.4
B3	Shadow vehicle omitted or incorrect location	Measure	Weighting	COPTTM Ref
	Missing when required or location (lateral or longitudinal) is incorrect. Note: If arrow is incorrect record under E9. When shadow vehicle is missing and requires a TMA record in both B3 and B4.	Vehicle	26	C11.2.5, D1.3, D1.6.2, , D1.10.1, D1.10.4, D1.11.2, D1.12.1, D1.13.1, D1.13.4, D2.1.1, D2.1.2, D1.2.3, D3.3.3, D4, D5.1, D5.1.1, D5.1.4, D5.2.1, D5.2.4, D5.3.1, D5.3.4, D6.1.2.5, D6.1.3, D6.1.3.5, D7.4.1, C11.2.5, D1.3, D1.6.2, D1.9.2.2, D1.10.1, D1.10.4, D1.11.2, D1.12.1, D1.13.1, D1.13.4, D2.1.1, D2.1.2, D1.3, D3.3.3, D4, D5.1.1, D5.1.4, D5.2.1, D5.2.4, D5.3.1, D5.3.4, D6.1.2, D6.1.3, D7.4.1,
B4	TMA missing or non compliant	Measure	Weighting	COPTTM Ref
	TMA not on mobile operation vehicle(s) when required. TMA is being used correctly but does not meet the certification for compliance as per the test level stated in NCHRP 350 and section B11 Truck mounted attenuators including the tare weight requirements for the vehicle. Crash cushion not deployed when required. Also includes TMA in centre lane with no additional TMAs to close adjacent lanes.	TMA	26	B1.4.2, B11, B14.2, C17.1.4, C17.1.5
B5	AWVMS / arrowboard non compliant	Measure	Weighting	COPTTM Ref
	AWVMS, European arrow board or horizontal arrow board not displaying the correct message (eg the right lane is closed but the arrow is directing traffic to the right). Also includes arrow board not fitted or is not used on mobile operation vehicles when it is required.	Vehicle	26	B1.4.2, B11, B14.2, C17.1.5

PEDESTRIANS / CYCLISTS

C1	Inadequate provision for pedestrians	Measure	Weighting	COPTTM Ref
	<p>Footpath obstructed by activity and neither temporary path nor direction to alternative pedestrian facilities provided. Features (recorded individually) include footpath width, ramps, gradient (including cross fall), visibility, location, any obstructions from exiting environment (low hanging tree branches, street furniture blocking path etc.).</p> <p>Ramp surface must be non-slip, must not move around and must be of sufficient width. Surface of footpath to be recorded under E6. Signs and delineation for pedestrian management covered under other relevant items in A and D.</p>	Feature	10	A5.7.1, A7.1.1, A7.4.2, B2.4.1, C3.3.2, C5.2.4, C8.1.2, C12.3.2, C12.4.6, C13 (All)
C2	Inadequate provision for cyclists	Measure	Weighting	COPTTM Ref
	<p>Work in a cycle lane or a high cycle use area and temporary facilities for cyclists have not been provided. Features (recorded individually) include cycle lane width, ramps, gradient (including cross fall), visibility, location, any obstructions from existing environment (low hanging tree branches, street furniture blocking etc.). Surface of cycle lane to be recorded under E6. Signs and delineation for cyclist management covered under other relevant items in A and D.</p>	Feature	10	A5.7.1, A7.1.1, A7.4.2, C8.1.2, C12.3.2, C12.4.6, C13 (All)

DELINEATION

D1	Missing or ineffective taper – leading taper (including chicane)	Measure	Weighting	COPTTM Ref
	<p>Where leading taper delineation is missing which is required for traffic to shift from normal alignment. If due to environmental factors a short taper is required (but not allowed by the layout distances tables) then it must be included in the approved TMP with appropriate EED and mitigation measures. If 75% of the taper is installed it would be marked as too short rather than ineffective. Any less than 75% installed is ineffective. Also includes if there are too few cones installed to form the taper.</p>	Leading taper	26	C2.1.1, C2.1.3, C2.1.4, C2.2, C2.3, C2.4, C2.5, C2.6, C2.7, C4.3.1, C4.3.2, C5.2.1, C5.2.2, C6.1.1, 6.2.2, C7 (All), C8.1.2.2, C8.2.17, C8.2.20, C10.2.3, C11.2.1, C14.1.4, D1.13.4, D6.1.2, D6.1.3
D2	Tapers too short – leading taper	Measure	Weighting	COPTTM Ref
	<p>Taper has been formed but is too short. CoPTTM requires that two thirds of a taper must be visible. Refer to spacing tables for length requirements.</p>	Leading taper	15	A7.2, C2.2, C7.3.3, C7.3.3.1, C7.3.4, C7.3.5
D3	Taper too short or missing – trailing taper	Measure	Weighting	COPTTM Ref
	<p>Taper has been formed but is too short. CoPTTM requires that two thirds of a taper must be visible. Refer to spacing tables for length requirements.</p>	Trailing taper	5	A7.2, C7.3.3, C7.3.3.1, C7.3.4, C7.3.5
D4	Spacing in taper	Measure	Weighting	COPTTM Ref
	<p>Taper has been formed but spacing of delineation devices is too great (eg 1 to 1.5 x the spacing required in CoPTTM). If more than 1.5 x record under ineffective. Refer to spacing table for requirements.</p>	Taper	5	C2.3, C2.4, C2.5, C2.6, C2.7, C7.3.3, C8.2.20
D5	Spacing along lanes	Measure	Weighting	COPTTM Ref
	<p>Delineation placed in rows, which are generally parallel to the centreline, but spacing of delineation devices is too great (eg 1 to 1.5 x spacing required in the CoPTTM). If stop/go centreline delineation is missing record in D6. Refer to spacing tables for requirements. Refer to D6 for ineffective where spacing is greater than 1.5 x spacing required.</p>	Per 100m Delineation	3	C7.3.3, C8.2.20

D6	Missing or ineffective delineation along lanes	Measure	Weighting	COPTTM Ref
	Where delineation is missing or where the delineation is ineffective at separating lanes or ensuring the road user continues on the desired travel path, misleads traffic or provides conflicting message (eg traffic is required to travel on right but left side appears open and delineation does not effectively keep traffic in the correct lane). Refer to spacing tables for requirements. Refer to D5 for spacing in lanes. Note: Requirements for chip seal and paving operations allows double cone spacing.	Delineation Section	10	C2.3, C2.4, C2.5, C2.6, C2.7, C8.2.20
D7	Condition unacceptable	Measure	Weighting	COPTTM Ref
	Refer to section C19 Maintenance Standards, specifically C19.3.4. Includes punctures, large areas of staining, and significant area of missing or stained reflective material. Note: Non-compliant logos may be considered unacceptable if visible to vehicles. Reviewer to note marginal devices and advise STMS but not include in the SCR result.	Device	2	C19, C19.3.4, C19.3.7, C19.4.4
D8	Using non-approved device	Measure	Weighting	COPTTM Ref
	Delineation or channelling devices that fail to meet the criteria specified in the CoPTTM. Includes marker posts, drums and barriers or other devices used in the place of compliant delineators.	Device	4	B2.2, B2.3, B2.4, B2.4.1
D9	Road marking incorrect at long term level 2 or 3 roads	Measure	Weighting	COPTTM Ref
	Road marking not correctly adjusted at long term level 2 and 3 TTM static worksites where alterations are required as part of the approved TMP and other delineation is not implemented. Note: Consider if TTM is applicable for the construction methodology in which case record in "other checks". Where it is not identified in the TMP, a worksite will be considered as long term where the closure is in a continuous configuration for more than 72 hours.	Site	30	C5.1.1, C11.2.9, C13.2.8, C18.7
D10	Inadequate / missing site access	Measure	Weighting	COPTTM Ref
	Inadequate site access where required as defined in the CoPTTM. No site access visible for level 2 and 3 sites (exception is re-surfacing operations where site access is frequently moved). Site access in poor location. Vehicles accessing site in unapproved manner including against the flow of traffic or impeding traffic flow in unacceptable manner. Signs missing recorded under missing signs. Delineation of site access recorded under D5. Location and spacing of access gap recorded in D10.	Access	10	C10.3.9, C15 (All) C14.1.1 C15.1.1,

MISCELLANEOUS				
E1	Working in live lanes	Measure	Weighting	COPTTM Ref
	<p>Personnel associated with the activity are in the live lane outside the established working space and established safety zones. Note: If personnel cross the road without any equipment this is not classified as working in live lane but if carrying or moving equipment/materials from one side of the carriageway to the other, then this is classified as working as their full focus is not on task of crossing road.</p> <p>If there is no traffic flowing, then it is permissible for personnel to cross the road (not allowed on a level 3 road). Note: Consider proximity to pedestrian crossing if available but not used. Traffic must not be expected to slow down or stop for personnel to cross the road. If under stop/go operation and MTCs change flow to stop/stop for all traffic approaches then lanes are not to be considered as live. If MTC needs to speak to motorist this should be done via the vehicle passenger side.</p>	Individual	20	D1.12.1, D1.13
E2	Missing or ineffective controller	Measure	Weighting	COPTTM Ref
	<p>Manual traffic controller not at stop/go position, footpath controllers not available to manage pedestrian movements where identified as required in the TMP, or spotter not being used when required for inspection activities. Also includes where the MTC is on the right hand side of approaching traffic rather than the left hand side to stop traffic. Note: It is acceptable for a cone to be placed in front of the first vehicle provided the MTC remains on the left hand side of the road until the vehicle has come to a complete stop prior to positioning the cone. The cone must only be retrieved whilst the stop paddle remains in place. The MTC must be able to easily reach the paddle if required (eg to prevent the paddle from turning in the wind). If SCR result is High Standard or Acceptable consideration to be given to "road user flow acceptable" in Other Checks.</p>	Individual	20	C8.2.14.3, C8.2.19, C10.1.3, C10.2 (All), C10.3.1, C10.4.1, C10.5.2, C12.4.2, C12.4.6, C13.2.4, C15.2.2
E3	Safety zone compromised	Measure	Weighting	COPTTM Ref
	<p>Where either the lateral or longitudinal safety zone is insufficient (eg too small or missing). Tally each zone compromised for each occasion whether for plant, materials or personnel.</p> <p>Note: This is not applicable if under a stop/go operation and all traffic flows are on stop.</p>	Individual	10	A5.8.6, B6.1.4, C2.1.1, C2.2, C2.3, C2.4, C2.5, C2.6, C2.7, C6 (All), C7.3.2, C8.1.2.2, C8.2.2, C8.2.3, C8.2.11, C8.2.16, C8.2.18, C13.2.6, C14.1.1, C14.1.2, C14.1.4, D1.12, D7.2.1
E4	High visibility garment not acceptable	Measure	Weighting	COPTTM Ref
	<p>Refer to section C19 Maintenance Standards, specifically B3, C19.3.6, C19.3.7, C19.4.2 and C19.4.3. Includes garments not done up, torn garments, large areas of staining, and significant area of missing or stained reflective material. Also includes STMS not wearing STMS garment (exception A5.8.7).</p>	Individual	5	A5.8.3, A5.8.7, A5.9.3, A5.9.4, A5.10, B3 (All), B4.1.1, C19.2, C19.3.6, C19.3.7, C19.4.1, C19.4.2, C19.4.3, D7.6.3
E5	Marginal surface condition (carriageway only)	Measure	Weighting	COPTTM Ref
	<p>Surface is rough and likely to be dangerous for any type of road user for the temporary or permanent speed limit at the worksite. Marginal to be applied if advised speed on site is 1 step higher than the speed determined by using the TSL decision matrix. Note: If a TSL is not implemented when required due to surface condition, record in this section but if a TSL is implemented when it is not required record in G2. For example, record in E5 as marginal surface condition a 100km/h rural road with chip seal surface not swept with no TSL. Record in G2 a 100km/h rural road with swept chip seal and line marked with 50km/h TSL in place.</p> <p>Also includes steel plates used to protect excavation but not appropriately secured in place.</p>	Occasion	15	C4.2.1, C4.2.2, C12.3.2, C14.2.1

E6	Unacceptable surface condition (peds, cyclists or carriageway)	Measure	Weighting	COPTTM Ref
	Surface is unacceptably rough and likely to be dangerous for any type of road user for the temporary or permanent speed limit at the worksite. Unacceptable if advised speed on site is 2 steps higher than the speed determined by using the TSL decision matrix. For pedestrians and cyclists this includes trip hazards, wet concrete, obstructions, or soft/impaired surfaces (including weather affected).	Occasion	30	C4.2.1, C4.2.2, C14.2.1,
E7	Barrier defects (missing or Incorrect components)	Measure	Weighting	COPTTM Ref
	<p>Includes missing or incorrect end treatments on barriers, non-compliant barriers, end flares too sharp, barrier too close to live lane, barriers not linked, barriers not pinned where required and barrier not used when required. Note: Multiple defects for this item must be counted individually.</p> <p>Also includes device that is being used as a barrier but does not meet the CoPTTM requirements and barriers deployed not in accordance with manufacturer's specifications (eg water filled barriers not filled with water).</p> <p>Component are defined as leading terminal, trailing terminal (if required), flare if not terminal end, barrier alongside work site, linkage of barriers, installation in accordance with manufacturers specifications, damage to individual units (eg Leaking water filled barrier, cracked concrete barrier sufficient to compromise integrity of barrier etc.). Consideration should also be given to the surface the barriers are installed on if the surface would prevent the barrier performing as expected (eg on or in front of a kerb). Delineation of barriers to be recorded under delineation. If barriers not needed but deployed incorrectly record as redundant TTM.</p>	Component	10	B6.1.4, B12 (All), C11.2.7, C18 (All)
E8	Unsafe or redundant TTM	Measure	Weighting	COPTTM Ref
	<p>Redundant TTM to be removed from site if not to be used within 48 hours (eg site reviewed on Friday with signs not required for unattended site stored on site, but further works taking place Sunday night, therefore time between active sites extends past the 48 hours permitted so signs should be removed).</p> <p>TTM equipment stored inappropriately on site when not required for an active closure.</p> <p>Also includes when TTM equipment is stored in front berm, frame and base left upright with sign panel on ground, or frame and base left upright with signs turned to have back panel facing traffic or the sign turned 90° to the travelled path. Includes signs/stands/bases in cycle lanes or footpaths, cones stacked to side not required for unattended sites, TTM equipment left in manner which causes hazard to road user (eg equipment not delineated).</p> <p>Hierarchy for storing TTM equipment: remove from site, then back berm, finally front berm if permanent speed limit is under 65km/h and there is a kerb and channel.</p> <p>Footpaths must not be impacted by the storage of equipment regardless of the width of the footpath available. Storage is only permitted in suburban or commercial areas but not near schools or shopping areas.</p> <p>To be recorded for each sign/stand/base that is unsafe or redundant and once for every 10 delineation devices. Also includes barriers when deployed but not needed.</p>	Equipment	5	C11.2.8, C14.2.3
E9	VMS message incorrect or inappropriate	Measure	Weighting	COPTTM Ref
	VMS displaying incorrect messages in relation to activities or VMS board message not approved by RCA.	VMS	15	B9 (All), B10 (All), B14.2.1, C17 (All), D1.9, D1.10, D6.1.2, D6.1.3.4, D7.5.1

E10	Flashing beacons / indicator lights not used or ineffective	Measure	Weighting	COPTTM Ref
	<p>Amber flashing beacons are not in operation or have been omitted from vehicles where required or do not comply with the CoPTTM requirements. Record in E10 if vehicle indicator lights used in hazard mode to access/exit site</p> <p>Note: Vehicle indicators should only be used to give direction to road users of a pending site access movement.</p>	Vehicle	3	B8.3.6, B11.2.3, B14.1, C2.3, C2.4, C2.5, C11.2.4, C14.1.3, C15.1.1, C19.5.1, D1.3.1, D1.5, D1.6.2, D5.1.1, D7.3.1, D7.6.4,
E11	Parking / stopping features not relocated	Measure	Weighting	COPTTM Ref
	<p>Work encroaches on parking or stopping feature, which has not been relocated to a position clear of the worksite. Such features could include bus/transit lane, clearway (during enforceable timeframes), taxi stands, bus stops, bus parking locations, loading zones, mobility spaces and/or drop off areas. This SCR element is different to E12 where the feature is being used to park in but not as part of work site. E11 refers to feature being within work site but not appropriately relocated.</p>	Feature	5	A7.4.1, E1.8.3
E12	Unsafe and illegal parking of plant / equipment	Measure	Weighting	COPTTM Ref
	<p>Plant and equipment is unsafely parked or illegally parked. Includes plant and equipment parked outside of designated work area on footpaths, cycle lanes, broken yellow lines, clearways, bus/transit lanes, bus stops, bus parking spaces, loading zones, taxi stands, mobility spaces, or restricted parking spaces. Also includes plant and equipment on site when unattended and not appropriately protected from public (for example milling machine with no shoulder closure protection). Consideration to be given to the manner in which plant or equipment is parked eg if forcing road user across a centreline.</p> <p>Vehicles must be parked in the direction of traffic flow. Shoulder closures to protect parked plant/equipment must be approved as part of the TMP. Parked plant and equipment must be visible to drivers of vehicles, cyclists and pedestrians so they can see the hazard.</p> <p>Note: While a vehicle may be legal under the Land Transport Rule to be on the road it may be classified differently under the Health and Safety at Work Act.</p>	Feature	20	A5.8.6, A5.9.3, C12.2, C14.1.4
E13	Marginal items (signs, delineators, Hi vis garments)	Measure	Weighting	COPTTM Ref
	<p>Refer to section C19.3 Evaluation for classification of TTM devices.</p> <p>Note: Non-compliant logos may be considered unacceptable if visible to approaching road users.</p> <p>A sign is marginal if there are many surface abrasions throughout the sign face and many are within the individual letters or symbol of the message; the surface is marked by material (such as asphalt, bitumen, cement slurry or dirt) not obscuring the lettering or symbol; some colour fading is evident, the background colour and reflectivity are still apparent; the message is legible and matches the approved design as per section B1 Signs.</p> <p>A delineator is marginal if the surface is marked by material (such as asphalt, bitumen, cement slurry or dirt) and cannot be readily cleaned; the reflective bands have numerous tears and scratches; the reflective bands are largely free of residue.</p> <p>A high-visibility garment is marginal if the garment has numerous tears and scratches; the garment has some marks (from materials such as asphalt splattering, bitumen, dirt or cement slurry) and may not be readily cleaned due to abrasion or discoloration.</p> <p>However, it is free of large areas of residue or missing reflective material.</p>	Feature	1	C19.3

OTHER WORKSITE ASPECTS

G1	QUALIFIED PERSON ON SITE [REFER TO A5 OF COPTTM]			COPTTM Ref
	<p>The worksite must be under the control of an STMS or briefed TC for level Low Volume and level 1 sites and an STMS L2/3 Practising or a briefed STMS NP (where allowed) for level 2 and 3 sites. If control of the worksite has been delegated by the STMS, there must be correct documentation of the delegation and or handover including time and briefing. Briefing must include reference to site specific details such as delivery movements or any minor amendments made to the TMP. Delegated STMS-NP/TC must be satisfied with the site condition they are taking responsibility for prior to accepting delegation. STMS delegating the site must ensure that the person they are delegating to is suitably qualified. Auditor/reviewer should allow some flexibility if the physical handover of the site has not been possible, eg if the STMS in control of the site has gone home sick. Auditor/reviewer should allow time for the STMS to be away for auditing purpose (to gain access to the start of the site and while conducting site checks).</p>			A5.8.1, A5.8.3, A6.10.1
G2	TSL APPROPRIATE [REFER TO C4 OF COPTTM]			COPTTM Ref
	<p>The TSL must be appropriate in accordance with the CoPTTM TSL decision matrix. The speed limit, including de-restriction, is not appropriate for the physical works or correct for permanent speed limit de-restriction. If the TSL is too low (refer to subsection G4.4.6 Excessive or inappropriate use of TSLs), a notice of non-conformance is issued. Consideration should also be given if the speed limit is too high (eg if a 70km/h TSL has been installed however the CoPTTM TSL decision matrix determines a 50km/h is appropriate). Also refer to notes under E5.</p>			A7.3.1, C3.3.1, C4 (All), C10.1 (All), C10.2 (All), C10.3 (All) C12.3.2, E2
G3	ROAD USER FLOW ACCEPTABLE			COPTTM Ref
	<p>Road users are flowing appropriately through the site; any queues do not extend past first advance warning sign and there are no unreasonable delays or delays in excess of five minutes or durations as approved in the TMP. Unacceptable flows include any instances of vehicular conflict eg two directions of traffic sent on "go" during a stop/go operation or where minimum lane widths are not maintained. G3 can be used to record where access for residents or businesses are not maintained or alternative solutions have not been agreed with the relevant parties, including the RCA.</p>			C16 (All), C19.5.1
G4	ON-SITE RECORD [FORM MUST INCLUDE STMS AUTHORITY, 2 HOURLY CHECKS AND TSL DETAILS]			COPTTM Ref
	<p>On-site record available on site which includes information required under the CoPTTM example form. (Note: This does not need to be the CoPTTM form.) Required checks have been conducted in accordance with approved TMP and CoPTTM and are appropriate to the time of the review (eg not completed ahead of the time of the review). Site checks should be robust and provide a high level of confidence in the effective management of the site. Any TSL implementation must be recorded correctly including the installation start time and all individual street names with defined TSL and de-restriction signs locations recording where the TSL signs are positioned on that street (eg driveway for a street number or fixed identifying location). If a TSL is not required the STMS should record N/A for the TSL section of the documentation.</p>			A5.8.3, A7.2, A7.5.2, C3.3.2, C4.3.1, C4.4.5, C11.1.1, C11.3.1, C19.5.1, E1.6, E4.1.2,

G5	TMP APPROVED?			COPTTM Ref
	TTM documentation must be at all attended worksites and include TMP proforma, diagrams and other attachments eg the WAP including RCA conditions. Documents must be stamped with the CAR approval stamp and the CAR reference applicable to the TMP must match for all documents. Where applicable documentation must be available for time extensions. Verifiable information is acceptable (eg if approval is via a phone call and there is a record of the date, time and who was involved in the conversation thus allowing confirmation of the approval to take place where required).			A3, A5.2.2, A5.4.1, A5.5.1, A5.5.2, A5.7.1, A5.8.3, A5.8.6, A5.9.2, A5.9.3, A7.2, A7.9.1, C4.1.3, C12.2.1, D1.13.3, D3.1, D7.3.1, D7.5.1, D7.6.3, D7.7, E3.3, E3.6.3, E4.1.1, E4.1.2
G6	APPROVED TMP SIGHTED?			COPTTM Ref
	TTM documentation must be at all attended worksites and include the TMP proforma, diagrams and other associated documents eg the WAP including RCA conditions. A copy of the TMP must be available on site (within 30 minutes of request from auditor/reviewer). Hard copies or electronic copies are acceptable however if using electronic format consideration should be given to a charging device and a mechanism for being able to record information including induction information, on-site record and TSL requirements etc.			A5.8.3, A5.7.1, A7.7.1, A7.8.1, E3.3, E3.6.3
G7	APPROVED TMP APPLICABLE?			COPTTM Ref
	The approved TMP accurately reflects the road environment including lane configurations, pedestrian features (including signalised crossings, zebra crossings and refuge islands), bus stops, parking features and other site specific features. If not, minor amendments are accurately recorded and notified to the RCA with evidence available of this notification (eg email or phone call with record of who was spoken to, time of conversation and agreed mitigation). Amendments of a significant nature may require submission of a revised TMP for approval. If the TMP is not applicable this is followed up off site with the TMP designer and/or CAR Manager who approved the TMP.			A5.7.1, A5.8.3, E3.1.1, E3.3
G8	TTM IN ACCORDANCE WITH APPROVED TMP?			COPTTM Ref
	The TTM measures implemented on site match the approved TMP. Minor amendments, as long as they are noted on TMP with the date, time and signature are acceptable if for reasons of improving road user safety or traffic flow. Minor amendments must not be for benefit of cost or ease of construction. Any significant changes must have been agreed with the RCA and correctly documented and approved (refer G7). Note: Example of an unacceptable amendment being a shoulder closure upgraded to contraflow with no documented evidence of approval. Significant changes must be agreed following consultation with the RCA/TMC/CAR Manager prior to implementation.			A5.7.1, A5.8.3, A5.9.3, C11 (All), C12.2.1, E3.3, E4.1.2

ACTIONS PLANNED BY STMS

	SITE FIXED?	Yes / No / Not Applicable
	When a review identifies an unacceptable and / or dangerous site did the STMS cease the activity and go about making corrections in a timely manner to bring the site up to an acceptable standard prior to recommencing works? If No, a Stops Works Order will be considered. Note: Not all situations will require the physical works to be stopped while corrections are made to the TTM. Physical works must stop if they are contributing to the hazards identified. Consideration should be given to whether ceasing the works will create a greater hazard or the site will become more unsafe if the works stop. Consideration should also be given if corrections can be done in a timely manner and whether there is the ability to make the corrections or whether another party would be required to assist with the corrections.	

SITE ACTIVITY CEASED BY	
	N / A, STMS, Auditor/reviewer, Non-STMS, RCA Rep, Engineer, Work Safe, Police, Fire Service, Civil Defence
	If the site activity has been ceased, indicate who directed that the work to cease.
KEY POINTS / AUDIT RESULTS	
	Auditor/Reviewer notes areas identified in the review including both good aspects and areas for improvement.
COMPLAINT CALLOUT?	Y / N
	Has the audit been triggered by a complaint?
SITE ACTIVITY STATUS	Attended or Unattended
	Is the site Attended or Unattended?
AUDIT/ REVIEW PLANNED / UNPLANNED?	Planned / Unplanned
	Was this audit/review planned or unplanned (as in did you discover this site by chance or did you know it was here)?
NOTIFICATIONS (RCA) [DOES NOT AFFECT SCORE]	Yes / No / N/A
<p>Has the RCA been notified of the intended dates and times of implementation and the STMS responsible?</p> <p>Where applicable have public transport agencies been advised of any impact to bus routes, bus stops or bus parking locations?</p> <p>Where traffic signals may be affected has the organisation responsible for the signals been notified of the intent to work near traffic signals?</p>	Evidence available of notification of work programme to RCA for TMP implementation, organisation responsible for traffic signals when affected, Public Transport for bus stop relocations.
GOOD SITE INDUCTION? [DOES NOT AFFECT SCORE]	Yes / No / N/A
	A good site induction should include: STMS inducting reviewer to site specific hazards that are applicable to traffic management as a minimum, however recognise if the STMS asks the reviewer if they intend to go near the working space and if applicable includes these hazards in the induction. STMS should identify their name, contact number and how to recognise them on site (eg their STMS jacket). The induction should also include evacuation points (including if different for various aspects of the work for example different ends of the closure), any process for notifying emergency services, who the first aiders are on site and where to locate first aid kits, spill kits, and fire extinguishers and the nearest medical centre. The STMS should use the TMP to help illustrate the permitted work areas and safety zones.
TMP DESIGN ISSUES? <i>If yes, record issues in key points below</i>	Yes / No / N/A
	Record issues relating to the TMP design or approval in key points field. These issues do not need to be addressed with the onsite STMS or delegate. These issues will need to be followed up after the audit with the designer or approver of the TMP.
LOW RISK	
LOW RISK?	Y / N
	<p>For all road users, does this site feel safe?</p> <p>If you don't feel safe as a road user then answer NO.</p> <p>THIS ONLY CHANGES THE RESULT IF THE SCR SCORE IS 51+.</p>
ACTIONS TO BE TAKEN	
	Auditor/Reviewer notes actions to be taken to improve the condition and/or operation of the site. Where a site is identified as dangerous this must include areas that must be addressed prior to activities re-commencing. Corrections should be communicated and agreed between the relevant parties and recorded on the form so there is a clear understanding of any requirements, including timeframes for the various changes required and who is responsible for the changes.

AUDITOR / REVIEWER TO COMPLETE		STMS TO COMPLETE	
	Signature	Received by / Signed	
	Auditor / Reviewer name	STMS name	
	Auditor / Reviewer qualification NZTA ID No.	Qualifications	NZTA ID No.
	Auditor / Reviewer mobile number	STMS mobile number	
<p>In submitting this form, the auditor / reviewer specified above agrees that they have explained the significant issues and proposed remedies to the relevant parties specified above and have handed these parties a physical copy of the audit (does not apply for unattended sites).</p>			