

Traffic Engineering Checklist

Location: _____
(route , cross street and city)

Project Number: _____ MoT Intersection SiteCode: _____

Instructions:

- This checklist must be completed for all new or modifications to existing traffic signals.
- Attach supplementary pages if the space provided is not adequate.
- Page 3 must be signed by a MoT Traffic Engineer for completion.

Scope (Briefly describe the scope of work)

Civil Design Scope

Comments based on: civil design drawings # _____
and/or: existing electrical drawings TE # _____

Crosswalk revisions required?

No yes _____
(description or attach drawing)

Stop lines revisions required?

No yes _____
(description or attach drawing)

Lane marking revisions required?

No yes _____
(description or attach drawing)

Turning path revisions required?

No yes _____
(description or attach drawing)

Civil Design prepared by:

(Engineer's signature) (print name) (date)

Traffic Design Scope

Road classification: _____
(rural arterial, urban arterial, etc.)

Signing modifications required? (if yes describe in detail or attach drawing)

Guide Sign modifications required?

No yes _____
(size & location – stn.#)

Lane Use sign modifications required?

No yes _____
(location(s) – stn.#)

Turn restrictions sign modifications required?

No yes _____
(type & location – stn.#)

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Other sign modifications required?

No yes

_____ (description & location – stn.#)

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Location: _____
(route and cross street)

Traffic Design Scope (continued)

Special features revisions required? *(describe in detail if yes)*

Advance warning signs *(complete table below)*

No yes _____
(Which approaches?)

Approach	Speed km/h	Grade %	Approach	Speed km/h	Grade %
North			East		
South			West		
Road name: _____			Road name: _____		

Island flashers:

No yes _____
(Note those which exceed standards.)

Emergency preemption:

No yes _____
(Type – hardwire, audible, radio, strobe)

Indication lights: no yes _____
(Type and location)

Rail preemption: *(which approaches?)*

No yes _____
 Blank-out display: no yes _____
(Type and approach)

Audible signals:

No yes _____
(Location – intersection leg)

Cyclist Actuation *(must accommodate for new installations):*

No yes _____
(Describe – loops, stencils, pushbuttons):

Special detector requirements:

No yes _____
(Advance loops, queue loops, etc.)

Future requirements *(within 5 years):*

No yes _____
(e.g. advance arrows, different phasing, etc.)

Controller requirements:

New or Use existing M cabinet or S cabinet _____

Other items or comments: (Attach supplementary pages if the space provided is not adequate.)

ATTACH a preliminary timing sheet showing the following:

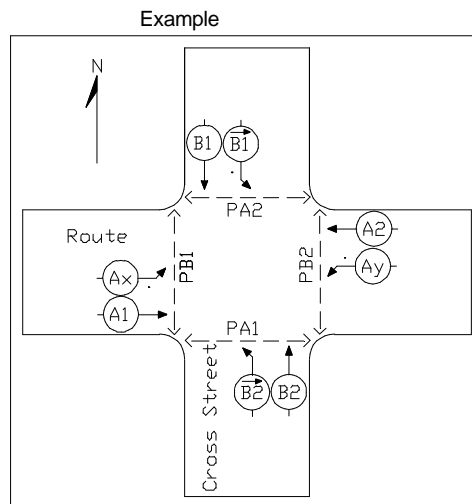
- phase assignments
- advance warning times
- resting/recall phases

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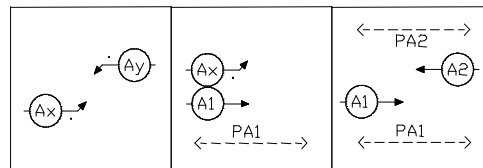
Location: _____
(route and cross street)

Traffic Design Scope (continued)

Site diagram (show all movements and north arrow).



Signal phasing diagram (relative to site diagram above).



Show all combinations of vehicle and pedestrian movements in sequence.

Show emergency, railway, bus and other preemption sequences.

Identify clearance and preemption phases.

Traffic engineering prepared by:

 (Engineer's signature) (print name) (date)

MoT Traffic Engineering Approval (Must be completed for a checklist prepared by a consultant)

- Recommend to proceed.
- Changes required (consultant must resubmit):**

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(MOT Traffic Engineer signature)

(print name)

(date)