

Minutes of Meeting
GEOMETRIC DESIGN STANDING COMMITTEE

Sunday September 26, 2010
World trade and convention centre, Halifax, nova scotia

List of Attendees attached

<u>Sunday September 26th, 2010</u> Meeting convened at 9:00 AM.		
<u>COMMITTEE BUSINESS</u>		
1.1	Review/approval of Agenda	Larry Purcka
The Chair reviewed the proposed agenda and solicited comments. No additions or deletions. Moved: Aziz Merali. Seconded: Geni Bahar. Agenda adopted.		
1.2	New members/resignations	Larry Purcka
Self Introduction of members present today. Resignation of John Collins received.		
1.3	Review and discussion of the minutes of the 2010 Spring meeting in Ottawa, Ontario	Keith Boddy
Keith Boddy presented highlights and summary of minutes of meeting from the 2010 Spring meeting held in Ottawa. No revisions noted. Motion by: Keith Boddy to adopt the minutes as recorded Seconded by: John Robinson Motion Carried		

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1.4	2010 Fall Conference Preparations Brief Overview of the theme and presentations	Aziz Merali
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Fall Conference being held Sept 26–29 2009 in Halifax, NS

The Theme is “*Adjusting to New Realities*”

Five sessions are being sponsored by the GDSC

“Innovation in Interchange Design” session – Chaired by Aziz Merali

Lessons Learned: Case Studies in Innovation – Chaired By David Krahn

Panel Session – Maximizing the Use of Road Allowances and Right of Way

– Chaired By Roy Biller

Panel Session – Technology in the Design Process – Chaired by Keith Boddy

Workshop Relationship between Road Safety and Geometric Design – Chaired by Larry Purcka

Aziz discussed the impression that the topics selected were too narrow so there were some challenges getting speakers.

Suggestions were solicited for Edmonton Sept 11–14, 2010, with the theme **Transportation Successes: Let’s build on them.**

Consensus from the Committee was to continue with two paper sessions and one workshop

Discussion: The number of sponsored sessions should stay at level we are at, but provide broader topics. It may be challenging to get quality if the topics become too focused.

There is an October 8th deadline for topics.

Topic Suggestions:

- Motor Vehicle, pedestrians, cyclists – one session for each.
- Accommodating Transit in the corridor, and design exceptions. Transit

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examples from around the country.

- Incorporating Transit in Road Allowances
- Geometric Design of Active transportation
- Sustainability in Design
- Conflicting Demands of Multimodal transportation. (Who is the design element?)
- Consideration for Balanced Design

Possible chairs and leads: Bob Koziol, Zane Sloan, Mike, David Krahn, Geoff Millen

As an aside, sponsored session for Road Safety Monday Sept 27, Pedestrians in Road Design.

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1.5	TRB 4th International Symposium on Highway Geometric Design Conference, Valencia, Spain. June 2–5, 2010	John Robinson
<p>John Robinson presented, on behalf of GDSC the Canada country report, which included a summary of the direction for Geometric Design in Canada. A copy of the paper will be sent with minutes,</p> <p>This conference occurs every five years. Twenty–four countries were represented with significant US participation, as TRB was a sponsor. This is a growing conference, with high quality of papers. The program included much to learn and to share technical challenges.</p> <p>The conference included active transportation and transit, successes and challenges. In five years, the GDSC membership should be prepared to submit to this conference. Many practitioners have lessons learned that may be shared,</p> <p>When the call for papers comes, participation from the GDSC should be actively discussed.;</p> <p>Discussion: Possible location for the 2015 Symposium is Vancouver.</p>		
1.6	Green Guide to Roads – Sub–committee Update	Carl Clayton

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Subcommittee was folded in the Spring as they decided there may be no future need.

The Task Force was established from each Council and -Standing Committee. The Project has gone forward with 25 sponsors. The PSC met and finalized Terms of Reference with the intention of hiring a consultant to finalize the work of the Task Force with a completion deadline of May 2012.

Future report on progress will be delivered by John Hammer.

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1.7	Updates to GDSC Membership	Larry Purcka
<p>The exercise to update the Roster is ongoing, amongst the Executive, to provide an update to TAC.</p> <p>TOMSC membership is allocated to various types of membership.</p> <p>In order to update the Roster for active memberships, a letter of intent to participate will be sent with the agenda in February. This will be targeted at those not attending meetings in the last few years.</p> <p>Discussion: Regarding the allocation of membership, the GDSC operates on individual membership, not based on organizations only.</p> <p>An invitation should be extended to everyone, as the Committee does not have full participation of all organizations. The public sector could be better represented.</p> <p>It is important to attract more participation and identify gaps. TAC could assist in drawing in members.</p>		
1.8	Update to GDG Project status update	Eric Christensen, Geoff Millen

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Project update from Eric: Five key topics were developed into scoping statements. Workshop was held to review the scoping statements to review and adjust the information as presented. Final draft report to be presented at Spring Meetings, for Standing committee approval for design guide updates, including a Roundabout design guide.

Project is an internal document to assist in the future direction of the TAC GDG.

Geoff spoke regarding the update to the GDG, see attached. Publication options should be considered.

Discussion:

Discussions outside transportation, the interactive guide may enable non-designers to be “designers”.

The PSC noted that it may be possible to stay state of the art with tools included.

Multiple pronged approach for initial update to existing GDG, with future advances for other options of publication.

Direction of the Committee is important to direction of the publication. TAC revenue stream must be considered. The ITS Guide is available electronically; sales have been noted as slow.

PDF should be hard coded, with a protected CD. Search-ability is important.

Licensing agreement may be the way to go. Bringing the legacy along may make the project more palatable. Smaller pieces may be published as revised. Outsourcing of publication should be examined for the document.

The role of the GDSC is to produce the technical material included in the Geometric Design Guide.

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A Canadian Roundabout Design Guide is important. CEC was not prepared to adopt the MTQ guide. All elements pertaining to Roundabouts are integral. Roundabouts require a combination/integrated document. It may exist as a Chapter of the Geometric Design Guide.

No mechanism was available for CEC to endorse the Roundabout MTQ guide. A suggestion has been raised from MTQ for a National Bilingual guide, in concert with the release of the new FHWA guide. AQTR is already bilingual; an option is to consider a joint project for RFP. TAC should explore the partnership with AQTR further.

National guidance should be based on MTQ and other guidance.

Motion to move project forward

Moved by Gerry Forbes

Secunder Olaf Homann

Motion passed

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1.9	Strategic Highway Research Program 2– Overview, Progress and Geometric Design Linkages	Ralph Hessian
Presentation as attached.		
1.10	Roundtable – Technical needs and issues	All
<p>SSD and intersection sight distance with AASHTO and TAC based on driver behavior, as part of R&A Subcommittee.</p> <p>TAC manual for intersection off ramp, Radii and speeds. Clients use off-ramp example as gospel, then not considered “to standard”. Freeway off-ramps; interpretation is not consistent. Using figures interpretation and rules around usage of information. R&A to address the example, further information to be forwarded from concerned part to R&A</p> <p>Conference in Winnipeg, HEEP, engineering software, survey, earthworks, exchanges information in September 2011. (http://www.iheep2011.com/)</p> <p>Administration of committee, shared forum of information, contact names with discussions. WIKI trial, share point site, more communication. TWIKI site for R&A.</p> <p>Active transportation, HOV, shared dedicated lanes etc...integration with intersections.</p> <p>Median illumination and best practices.</p> <p>City of Edmonton, active transportation and VRU funding for multimodal trails commuter cyclists, staged construction with temporary treatments.</p> <p>ATV and snowmobiles, use of overpass and underpass structures with trail crossing and use of bridges. Particular design constraints. Alberta does not allow off road vehicles legally on roadway. Saskatchewan allows crossings where clubs have</p>		

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established crossing. Manitoba allows crossing. NWT provides dedicated crossing points

Paper submissions, TAC process for reviews, value in TRB structured approach, with volunteers to review the papers. Get back a “proper” response, with feedback. Clear, meaningful process. TAC has a process in place already. TRB and TAC processes are different.

CSS Design, TAC chapter was proposed, - a Revision is forthcoming with guidance.

Designing for Turn-Pike doubles, design vehicle doubles (WB-36) Alberta Geometric Design guidelines, referred to R&A. Alberta Manual includes many other vehicles.

Issue goes beyond turning templates, to intersection sight distance and others.

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1.11	Member Presentations	Larry Purcka
	Sea to Sky – As attached.	Zane Sloan Steve Hobbs
1.12	Roundabout Subcommittee – Joint task force with TOMSC and RSSC	Bill Kenney
<p>Meeting on Friday, September 24, 2010, Leanna Belluz, Chair, 9 attendees Project on Multilane Roundabout Signs and Pavement Markings, no signalization of roundabouts.</p> <p>Roundabout warrants presentation by Baghwant Persaud, MTO and TC project completed, report submitted to be published potentially on Website if through Ministerial approval, Deborah DeGrasse to look into timeline of publication. MTO may informally share the paper.</p> <p>CITE – Primer for decision makers, intended for planners and road authorities</p> <p>Bilingual National Roundabout Guide, discussions regarding various Provinces, FHWA guide with exceptions, British guide in Nova Scotia. Plan to pursue a Canadian guide, with Quebec guide for basis. FHWA will be published this year. TAC guide could be produced based on FHWA.</p> <p>New project ideas, Said suggested possible developing a design tool instead of trial and error process. Papers have been published in CSCE with focused design.</p> <p>RBT Conference in May 18–20 Carmel, Indiana. The Call for Papers has been announced.</p> <p>Roundtable, TC developing Multilane roundabout brochure, P Weber, Waterloo 11</p>		

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roundabout corridor in a series. Mike Skene City of Surrey, blind pedestrians, human rights tribunal, access rights, case dropped, with discussion around mobility not being impaired.

100 Roundabouts in Quebec, MTQ, RBT as freeway terminal as roundabout.

Nova Scotia, HRM plans scuttled due to Blind pedestrians, 3D modeling, 20M cost savings.

Need for professional development with regards to Roundabouts and benefits, resistance is prevalent. Better communication.

Workshop on Roundabout Design to be held in Edmonton, Fall 2011.

1.13	TOMSC Committee Report	Leanna Belluz
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As attached.

Passing Sight Distance project of interest to reconcile the two guides.

1.14	Discussions on moving the Standing Committee timing – Spring Meetings	Larry Purcka
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Traditionally, GDSC has two day meetings in the Spring, on Friday and Saturday.

Two days is preferred by most present. Technical work is completed on the second day.

Earlier agenda delivery timeframe requested. R&A on Thursday night prior to meeting.

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In February agenda items will be solicited for two day meeting.		
1.15	TAC Secretariat Report to SC	Larry Purcka
Highlights provided see attached report.		

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2.5	GDG Revisions and Additions Committee Report	Carl Clayton
<p>As attached.</p> <p>Highlights include: errata were found and posted on Website, new items to be posted in the publications section.</p> <p>A desire to have the wording highlighted of the changes that were made as part of the revisions. TAC is experiencing publishing challenges. Approved revisions and additions are awaiting publication.</p> <p>Possible revisions to consider are in the report. Some referred to the Scoping Study.</p> <p>Items for balloting: Each moved for approval for moved to CEC for balloting.</p> <p>Horizontal Clearance on Bridges Moved: Carl Clayton, Seconded: Shaun Bidulka Motion passed</p> <p>Rumble Strips Moved: Carl Clayton, Seconded: Glen Furtado Motion passed</p> <p>Passing Sight Distance Discussion regarding naming of sight distances, and usage of AASHTO references. Moved: Carl Clayton, Seconded: Ian Macleod Motion passed</p> <p>Amendment to change name of sight distance: Moved: Gerry Forbes Proposed change from passing sight distance to overtaking sight distance. Seconded: Carl Clayton</p>		

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Concerns raised wrt changing name. Guide makes references throughout.
Terminology may be in use in Australia. May need to revisit terminology.
Amendment defeated.

Amendment to remove AASHTO/MUTCD references and to reword the paragraph.
Moved: Gerry Forbes, Seconded: Zane Sloan
Motion passed

Discussion wrt to reword the changes to include Design Methodology.

Final version of Ballot items attached.

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1.17	Emerging Issues	Carl Clayton
Nothing to report.		
1.18	Climate Change Task Force Update	Larry Purcka
Survey as completed.		
Checklist to be included in the minutes.		
1.19	Special Road Project	Larry Purcka
Almost 85% of the funding is in place. Approximately 15k would complete the funding request.		
Should the CEC be approached wrt using the GDG reserve fund?		
It may be possible to get more money through Chief Engineers Council.		
Meeting Adjourned at 5:45PM		