

# Civil Engineering Technical Advisory Board

MINUTES

02FEB12

5:00 PM

G110 MSCTC

MEETING CALLED BY	Gary L Nansen
TYPE OF MEETING	Technical Advisory Committee, Civil Technology, MSCTC, Detroit Lakes
FACILITATOR	GLN
NOTE TAKER	GLN
ATTENDEES	

## Agenda topics

10 MINUTES

INTRODUCTIONS AND OPENING REMARKS

GLN

COMMENTS	<ul style="list-style-type: none"><li>• Thank the Committee members for agreeing to serve and attendance at this meeting.</li><li>• Request that members consider other firms or individuals that should be represented at this meeting.</li></ul>		
Introduce <ul style="list-style-type: none"><li>• Committee Board members,</li></ul>			
Review meeting and accommodations: <ul style="list-style-type: none"><li>• <b>Informal</b></li><li>• <b>Bathrooms</b></li><li>• <b>Time 5- 6:00</b></li><li>• <b>Meal at 6:30</b></li><li>• </li></ul>			
NOTES	Provide a list of the committee, Course Flowchart and Program Development Plan		
ACTION ITEMS		PERSON RESPONSIBLE	DEADLINE

GLN

**CIVIL TECHNOLOGY  
PROGRAM OVERVIEW**

30 MINUTES

INTRO	<p><b>Overview of the Civil Engineering Technology Program for a 2- year AAS degree.</b></p> <ul style="list-style-type: none"> <li>• Four semesters</li> <li>• 72 Credits</li> <li>• Internship</li> <li>• General Education Courses</li> <li>• Broad List of Topics</li> </ul> <p><b>Provide course flowchart and list of technical courses</b></p>				
PROGRAM SPECIFICS	<p><b>I. Field Trips/ Guest Instructors/ Projects</b></p> <ul style="list-style-type: none"> <li>• <b>Field Trips:</b> <ul style="list-style-type: none"> <li>i. Testing Laboratories, Fargo Water Equipment.</li> <li>ii. Bismarck Employer trip</li> <li>iii. Students learn from the field trips.</li> <li>iv. I will periodically email request for field trip ideas</li> </ul> </li> <li>• <b>Guest instructors:</b> <ul style="list-style-type: none"> <li>i. Roy Smith</li> <li>ii. Justin Miller, Braun Intertec</li> <li>iii. Instructor can claim CEU"S for preparation and instruction</li> </ul> </li> <li>• <b>Projects:</b> <ul style="list-style-type: none"> <li>i. Soccer Field</li> <li>ii. Wadena OD Study</li> </ul> </li> </ul> <p><b>II. Technical Board Information</b></p> <ul style="list-style-type: none"> <li>• Correct information?</li> <li>• Required by MSTATE</li> <li>• 8 Areas for members</li> </ul> <p><b>III. Curriculum Discussion</b></p> <ul style="list-style-type: none"> <li>• 72 credits</li> <li>• Technical Courses Math and computers</li> <li>• Teach the students to think</li> <li>• MnDOT information/ NoDOT</li> <li>• Bidding Documents, Construction Inspection, Workplace, Certifications</li> </ul> <p><b>IV. Student Internship</b></p> <ul style="list-style-type: none"> <li>• Summer between years</li> <li>• Three credit course</li> <li>• 140 hours</li> <li>• Verification of time and performance</li> <li>• Required presentation</li> <li>• Last year students: MnDOT Duluth, Colorado, Minot, Western North Dakota</li> </ul> <p><b>V. Articulation Agreements</b></p> <ul style="list-style-type: none"> <li>• St. Cloud State (survey) and U of Anchorage.</li> </ul> <p><b>VI. Equipment</b></p> <ul style="list-style-type: none"> <li>• Existing Three total stations SOKKIA</li> <li>• Trimble TSC2 GPS with MiFi, New Trimble TSC3</li> <li>• Survey Equipment</li> <li>• Lab Equipment for materials testing</li> <li>• Students provide computers</li> <li>• Student software for Civil 3D</li> <li>• Equipment Funding: Plotter, Scanner</li> <li>• Room is Spartan, building wall</li> </ul>				
ACTION ITEMS	<table> <tr> <th data-bbox="915 1837 1248 1890">PERSON RESPONSIBLE</th><th data-bbox="1248 1837 1427 1890">DEADLINE</th></tr> <tr> <td data-bbox="915 1890 1248 1936"></td><td data-bbox="1248 1890 1427 1936"></td></tr> </table>	PERSON RESPONSIBLE	DEADLINE		
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10 MINUTES

FINANCIAL REPORT

GLN

BUDGET	<ul style="list-style-type: none"><li>• <b>Program Budget:</b><ul style="list-style-type: none"><li>• \$7500</li><li>• Supplies, materials and equipment</li></ul></li><li>• <b>Civil Technology Fund</b><ul style="list-style-type: none"><li>• Donations, special funds Surveyors Chapter</li></ul></li><li>• <b>Civil Tech Club</b></li></ul>	
WHAT IS NEW?	<b>Facebook Site for Program, Funds for Plotter, TSC3 Data Collector, Room Improvements, Contacting High School Counselors</b>	
INTERNSHIPS AND JOB PROSPECTS		
<b>Internships last summer: Detroit Lakes and Duluth MnDOT, Colorado Mining, Minot, Wadena County</b>		
<b>All graduating students obtained positions, Compass, MnDOT, Testing Labs,</b>		
<b>Current year seems to be better and employers are starting to call.</b>		

10 MINUTES

OLD BUSINESS

GLN

SCHEDULE	March 1, 2012 Employers Day		
Graduation: May 4, 2012			
CONCLUSIONS			
ACTION ITEMS		PERSON RESPONSIBLE	DEADLINE

10 MINUTES

NEW BUSINESS

[PRESENTER]

<b>DISCUSSION</b>	I. <b>Program Future</b> <ul style="list-style-type: none"> <li>• Need to program in this area</li> <li>• Word to Schools</li> <li>• Employment Opportunities</li> </ul> II. <b>Employment</b> <ul style="list-style-type: none"> <li>• Job Market</li> <li>• Internships</li> <li>• Career Fair: March</li> </ul>

<b>CONCLUSIONS</b> <b>Next meeting is Fall 2012</b>		
<b>ACTION ITEMS</b>	<b>PERSON RESPONSIBLE</b>	<b>DEADLINE</b>

<b>OBSERVERS</b>	
<b>RESOURCE PERSONS</b>	
<b>SPECIAL NOTES</b>	