

**2020 OTC Technical Traffic Training Course**

**October 26, 2020 – November 27, 2020**

Date & Time	Session	Topic	Presenter	Comments
Monday, October 26				
8:30-9:15AM	1	Course Introduction	Geoff Wilkinson, <i>OTC;</i> Chris Blackwood, <i>Mohawk College</i>	Welcome. An overview of the course content and requirements
9:15-10:00AM	2	Introduction to Transportation Engineering	Mike Pardo, <i>Ministry of Transportation Ontario (MTO)</i>	Basic concepts considered in the transportation engineering process
BREAK (10:00-10:15AM)				
10:15-11:00AM	3	Human Factors in Transportation Engineering	Mike Pardo, <i>Ministry of Transportation Ontario (MTO)</i>	Considerations for human factors in transportation decision-making
11:00-11:45AM	4	Human Factors in Transportation Engineering		
Tuesday, October 27				
8:30-9:15AM	1	Traffic Characteristics, Data Collection and Analysis	Sulaf Alkarawi, <i>Regional Municipality of Niagara</i>	Introduction to traffic characteristics and inventories of data that are collected by road authorities and used for analyses.
9:15-10:00AM	2	Traffic Characteristics, Data Collection and Analysis		
BREAK (10:00-10:15AM)				
10:15-11:00AM	3	Traffic Characteristics, Data Collection and Analysis	Sulaf Alkarawi, <i>Regional Municipality of Niagara</i>	
11:00-11:45AM	4	Traffic Characteristics, Data Collection and Analysis		

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Wednesday, October 28				
8:30-9:15AM	1	Traffic Signing	Mike Pardo, Ministry of Transportation Ontario (MTO)	Introduction to signs as traffic control devices and OTM Books 1, 5, 6
9:15-10:00AM	2	Traffic Signing		
BREAK (10:00-10:15AM)				
10:15-11:00AM	3	Pavement Markings	Dave Edwards, MTO (retired)	Introduction to pavement markings as traffic control devices and OTM Book 11
11:00-11:45AM	4	Pavement Markings		
Thursday, October 29				
8:30-9:15AM	1	Collision Data, Analysis and Countermeasures	Nora Hallett City of Toronto	Introduction to collisions; collision data collection, reporting and diagrams; collision frequency, rates, patterns and countermeasures
9:15-10:00AM	2	Collision Data, Analysis and Countermeasures		
BREAK (10:00-10:15AM)				
10:15-11:00AM	3	Collision Data, Analysis and Countermeasures	Nora Hallett City of Toronto	
11:00-11:45AM	4	Collision Data, Analysis and Countermeasures		
Friday, October 30				
8:30-9:15AM	1	Highway Traffic Act	Paul Driedger, Ontario Police College	Introduction to the RSO, specifically the HTA and associated regulations. Utilizing the HTA for traffic engineering purposes.
9:15-10:00AM	2	Highway Traffic Act		
BREAK (10:00-10:15AM)				
10:15-11:00AM	3	Group Project Overview	Chris Blackwood, Mohawk College	
11:00-11:45AM	4	Group Project Overview		

Date & Time	Session	Topic	Presenter	Comments	
Monday, November 2					
8:30-9:15AM	1	At-Grade Intersection Traffic Control Warrants	Sidra Rahimzada, <i>City of Toronto</i>	An overview of the variety of traffic control options for at-grade intersections. Warrants and procedures for traffic control decision-making. OTM Books 5 and 12.	
9:15-10:00AM	2	At-Grade Intersection Traffic Control Warrants			
BREAK (10:00-10:15AM)					
10:15-11:00AM	3	At-Grade Intersection Traffic Control Warrants	Sidra Rahimzada, <i>City of Toronto</i>		
11:00-11:45AM	4	At-Grade Intersection Traffic Control Warrants			
Tuesday, November 3					
8:30-9:15AM	1	Traffic Control Signal Operation	Craig Kummer, <i>City of Brampton</i>	An overview of traffic control signal design, control and operation.	
9:15-10:00AM	2	Traffic Control Signal Operation			
BREAK (10:00-10:15AM)					
10:15-11:00AM	3	Traffic Control Signal Operation	Craig Kummer, <i>City of Brampton</i>		
11:00-11:45AM	4	Traffic Control Signal Operation			

Date & Time	Session	Topic	Presenter	Comments
Wednesday, November 4				
8:30-9:15AM	1	Traffic Control Signals: saturation flow and capacity; LOS; safety considerations including amber, all red and ped timings	Chris Blackwood, <i>Mohawk College</i>	An introduction to the concepts of saturation flow rate, capacity and LOS for traffic control signals. Determining interval times for amber, all red, ped walk and ped clearances.
9:15-10:00AM	2			
BREAK (10:00-10:15AM)				
10:15-11:00AM	3	Traffic Control Signals: saturation flow and capacity; LOS; safety considerations including amber, all red and ped timings	Chris Blackwood, <i>Mohawk College</i>	
11:00-11:45AM	4			
Thursday, November 5				
8:30-9:15AM	1	Evaluating Transportation Projects	Kate Whitfield, <i>Alta Planning</i>	Techniques to determine the effectiveness of traffic control and management strategies.
9:15-10:00AM	2	Evaluating Transportation Projects		
BREAK (10:00-10:15AM)				
10:15-11:00AM	3	Group Project Collaboration	Unsupervised	A morning set aside to work on the group project with team members in a collaborative manner. Recommend ZOOM or other conferencing software Techniques to determine the effectiveness of traffic control and management strategies.
11:00-11:45AM	4	Group Project Collaboration		

# OTC Technical Traffic Training Course 2020

Date & Time	Session	Topic	Presenter	Comments
Friday, November 6				
8:30-9:15AM	1	Work Zone Safety	Tony DiLorenzo, Ministry of Transportation Ontario (MTO)	Understanding the responsibilities and rights of workers and road users in work zones. Traffic control using OTM Book 7
9:15-10:00AM	2	Work Zone Safety		
BREAK (10:00-10:15AM)				
10:15-11:00AM	3	Test #1 Preparation	Chris Blackwood, Mohawk College	Summary of first half of course and direction on how to prepare for Test #1.
11:00-11:45AM	4	Test #1 Preparation		
Monday, November 9				
8:30-11:30AM	1	Test #1	Test to be written in the workplace and invigilated by employee's supervisor	Closed Book and Open Book test covering materials from the first half of the course. 3 hours total.
	2	Test #1		
	3	Test #1		
	4	Test #1		
Monday, November 16				
8:30-9:15AM	1	Setting Speed Limits	Roumen Kotev, Town of Halton Hills	Data, techniques and processes used to establish speed limits
9:15-10:00AM	2	Setting Speed Limits		
BREAK (10:00-10:15AM)				
10:15-11:00AM	3	Speed Management and Traffic Calming	Heide Schlegl, Town of Milton	Devices, enforcement and designs to manage vehicle speeds
11:00-11:45AM	4	Speed Management and Traffic Calming		

Date & Time	Session	Topic	Presenter	Comments
Tuesday, November 17				
8:30-9:15AM	1	Municipal Transit Operations	Sean Sparrow, <i>Regional Municipality of York</i>	An introduction to transit technologies, standards and operations. Transit priority measures
9:15-10:00AM	2	Municipal Transit Operations		
BREAK (10:00-10:15AM)				
10:15-11:00AM	3	Cycling Facility Design and Operations	James Schofield; Cai de Ridder, <i>WSP</i>	An overview of cycling facility warrants, design standards and operations referencing OTM Book 18
11:00-11:45AM	4	Cycling Facility Design and Operations		
Wednesday, November 18				
8:30-9:15AM	1	Pedestrian Facility Design and Operations	Justin Bak; Sheyda Saneinejad, <i>City of Toronto</i>	An overview of pedestrian facilities within the right-of-way. Pedestrian collisions and countermeasures. OTM Book 15
9:15-10:00AM	2	Pedestrian Facility Design and Operations		
BREAK (10:00-10:15AM)				
10:15-11:00AM	3	Group Project Collaboration	Unsupervised	Periods set aside to work on the group project with team members in a collaborative manner. Recommend ZOOM or other conferencing software
11:00-11:45AM	4	Group Project Collaboration		

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Date & Time	Session	Topic	Presenter	Comments
Thursday, November 19				
8:30-9:15AM	1	Land Development and Traffic Impact Studies	Chris Day, <i>Paradigm Transportation Solutions Ltd.</i>	An introduction to the processes of land development and the traffic impact studies required for approvals
9:15-10:00AM	2	Land Development and Traffic Impact Studies		
BREAK (10:00-10:15AM)				
10:15-11:00AM	3	Land Development and Traffic Impact Studies	Chris Day, <i>Paradigm Transportation Solutions Ltd.</i>	
11:00-11:45AM	4	Land Development and Traffic Impact Studies		
Friday, November 20				
8:30-9:15AM	1	Introduction to Uninterrupted Flow	Chris Blackwood, <i>Mohawk College</i>	An introduction to the concepts, traffic characteristics and measures of effectiveness for uninterrupted flow facilities
9:15-10:00AM	2	Introduction to Uninterrupted Flow		
BREAK (10:00-10:15AM)				
10:15-11:00AM	3	Intelligent Transportation Systems	Robert Chan, <i>Ministry of Transportation Ontario (MTO)</i>	An introductory examination of the devices, systems and technologies employed in ITS
11:00-11:45AM	4	Intelligent Transportation Systems		
Monday, November 23				
8:30-9:15AM	1	Automated Vehicles	Chris Day, <i>Paradigm Transportation Solutions Ltd.</i>	A view into the present and future for automated vehicle technology and connectivity
9:15-10:00AM	2	Automated Vehicles		
BREAK (10:00-10:15AM)				
10:15-11:00AM	3	Group Project Collaboration	Unsupervised	A morning set aside to work on the group project with team members in a collaborative manner. Recommend ZOOM or other conferencing software.
11:00-11:45AM	4	Group Project Collaboration		

# OTC Technical Traffic Training Course 2020

Date & Time	Session	Topic	Presenter	Comments
Tuesday, November 24				
8:30-9:15AM	1	Freeway Capacity Analysis	Chris Blackwood, Mohawk College	Highway Capacity Manual operational analysis to derive LOS for basic freeway sections
9:15-10:00AM	2	Freeway Capacity Analysis		
BREAK (10:00-10:15AM)				
10:15-11:00AM	3	Freeway Capacity Analysis	Chris Blackwood, Mohawk College	
11:00-11:45AM	4	Freeway Capacity Analysis		
Wednesday, November 25				
8:30-9:15AM	1	Group Project Collaboration	Unsupervised	Morning set aside to finalize work on the group project document and powerpoint presentation with team members in a collaborative manner. Recommend ZOOM or other conferencing software
9:15-10:00AM	2	Group Project Collaboration		
BREAK (10:00-10:15AM)				
10:15-11:00AM	3	Group Project Collaboration	Unsupervised	
11:00-11:45AM	4	Group Project Collaboration		
Thursday, November 26				
8:30-9:15AM	1	Municipal Act, Minimum Maintenance Standards, Tort and Liability for Road Authorities	Jeanne Craig, Paterson MacDougall, LLP	Overview of the provincial Municipal Act and infrastructure maintenance standards for road authorities. Concepts of duty, tort, joint and several liability.
9:15-10:00AM	2	Municipal Act, Minimum Maintenance Standards, Tort and Liability for Road Authorities		
BREAK (10:00-10:15AM)				
10:15-11:00AM	3	Municipal Act, Minimum Maintenance Standards, Tort and Liability for Road Authorities	Jeanne Craig, Paterson MacDougall, LLP	
11:00-11:45AM	4	Test #2 Preparation	Chris Blackwood, Mohawk College	Summary of second half of course and direction on preparing for Test #2.



# OTC Technical Traffic Training Course 2020

Date & Time	Session	Topic	Presenter	Comments
<b>Friday, November 27</b>				
8:00-8:45AM	1	Group Project Presentations	OTC Committee Members	ZOOM facilitated group presentations
8:45-9:30AM	2	Group Project Presentations	OTC Committee Members	
9:30-10:15AM	3	Group Project Presentations	OTC Committee Members	
<b>BREAK (10:15-10:30AM)</b>				
10:30-11:15AM	4	Group Project Presentations	OTC Committee Members	
11:15-12:00AM	5	Group Project Presentations	OTC Committee Members	
<b>Monday, November 30</b>				
8:30-11:30AM	1	Test #2	Test to be written in the workplace and invigilated by employee's supervisor	Closed Book and Open Book test covering materials from the second half of the course. 3 hours total.
	2	Test #2		
	3	Test #2		
	4	Test #2		