

2021 OTC Technical Traffic Operations Course

WEEK 1: November 1-5, 2021

Date & Time	Session	Topic	Presenter	Comments	
Monday, November 1					
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			
LUNCH (11:45AM-12:15PM)					
12:15-1:00PM	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.	
1:00-1:45PM	2	Traffic Characteristics, Data Collection and Analysis			
BREAK (1:45-2:00PM)					
2:00-2:45PM	3	Traffic Characteristics, Data Collection and Analysis	Sulaf Alkarawi, <i>Regional Municipality of Niagara</i>		
2:45-3:30PM	4	Traffic Characteristics, Data Collection and Analysis			

Date & Time	Session	Topic	Presenter	Comments
Tuesday, November 2				
8:30-9:15AM	1	Highway Traffic Act	Paul Driedger, <i>Ontario Police College</i>	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	Work Zone Safety	Joe Richards, <i>Direct Traffic Management</i>	Understanding the responsibilities and rights of workers and road users in work zones. Traffic control using OTM Book 7
11:00-11:45AM	4	Work Zone Safety		
LUNCH (11:45AM-12:15PM)				
12:15-1:00PM	1	Setting Speed Limits	Greg Kent, <i>EXP</i>	Data, techniques and processes used to establish speed limits Devices, enforcement and designs to manage vehicle speeds
1:00-1:45PM	2	Setting Speed Limits		
BREAK (1:45-2:00PM)				
2:00-2:45PM	3	Speed Management and Traffic Calming	Heide Schlegl, <i>Town of Milton;</i>	
2:45-3:30PM	4	Speed Management and Traffic Calming	Ryan Snow, <i>Halton Regional Police</i>	

Date & Time	Session	Topic	Presenter	Comments	
Wednesday, November 3					
8:30-9:15AM	1	Traffic Signing	Mike Pardo, <i>Ministry of Transportation Ontario (MTO)</i>	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, <i>MTO (retired)</i>	Introduction to pavement markings as traffic control devices and OTM Book 11	
11:00-11:45AM	4	Pavement Markings			
LUNCH (11:45AM-12:15PM)					
12:15-1:00PM	1	Collision Data, Analysis and Countermeasures	Nora Hallett <i>City of Toronto</i>	Introduction to collisions; collision data collection, reporting and diagrams; collision frequency, rates, patterns and countermeasures	
1:00-1:45PM	2	Collision Data, Analysis and Countermeasures			
BREAK (1:45-2:00PM)					
2:00-2:45PM	3	Collision Data, Analysis and Countermeasures	Nora Hallett <i>City of Toronto</i>		
2:45-3:30PM	4	Collision Data, Analysis and Countermeasures			

Date & Time	Session	Topic	Presenter	Comments
Thursday, November 4				
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		
LUNCH (11:45AM-12:15PM)				
12:15-1:00PM	1	Traffic Control Signal Operation	Craig Kummer, <i>City of Brampton</i>	An overview of traffic control signal design, control and operation.
1:00-1:45PM	2	Traffic Control Signal Operation		
BREAK (1:45-2:00PM)				
2:00-2:45PM	3	Traffic Control Signal Operation	Craig Kummer, <i>City of Brampton</i>	
2:45-3:30PM	4	Traffic Control Signal Operation		

Date & Time	Session	Topic	Presenter	Comments
Friday, 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			
BREAK (10:00-10:15AM)				
10:15-11:00AM	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.
11:00-11:45AM	2			
LUNCH (11:45AM-12:15PM)				
12:15-1:00PM	3	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.
1:00-1:45PM	4			
BREAK (1:45-2:00PM)				
2:00-2:45PM		Test #1 Preparation	Chris Blackwood, <i>Mohawk College</i>	Summary of first half of course and direction on how to prepare for Test #1.
2:45-3:30PM		Test #1 Preparation		

Date & Time	Session	Topic	Presenter	Comments
Tuesday, 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		