



2025 SURVEY TECHNICAL WORKSHOP SCHEDULE

TUESDAY, MARCH 11, 2025

WHITEBIRCH I & II			
9:00 AM	WORKSHOP REGISTRATION		
10:00 AM	WELCOME AND OPENING REMARKS Geoff Bitner, Assistant Director Office of Land Management		
10:15 AM	THE SURVEYOR'S ROLE IN LAND PRESERVATION Chris Ambourn & Sam Gibson		
11:15 AM	ROADS TO CONSERVATION: HOW DOTS HELP SAVE THE WORLD Christopher Smith		
12:15 PM LUNCH IN MINNESOTA I & II			
	WHITEBIRCH I	WHITEBIRCH II	LAKESIDE RM.
1:15 PM	TRIMBLE'S AUGMENTED REALITY Tony Edelbrock Evan Traxler	MINDFULNESS-BASED STRESS REDUCTION: INTRODUCTORY SESSION Debra Lindh, Ed.D.	SCAN PROCESSING (STATIC SCANNING ADA) RIEGL AND SX12 SCANNERS AND TOPODOT PROCESSING Brett Blomquist Bryan Nagorka
2:15 PM	PHOTOGRAMMETRY AND LIDAR DRONE SURVEYS Luis Rojas	FUNDAMENTALS OF SURVEY EVIDENCE AND MEASUREMENTS Sam Gibson	MESH VS SILO: UNCOMPLICATING DATA Bradford Folta
3:15 PM BREAK IN MINNESOTA I & II			
3:30 PM	OMBUDSMAN ORIENTATION Jim Skoog	WORK ZONE SAFETY FOR FIELD SURVEY Timothy Parkos Sarah Keeling <i>Repeated at 8:00 AM 3/13</i>	FLYING INTO THE FUTURE - HOW TERRESTRIAL, AERIAL, AND MOBILE BASED LIDAR WORK TOGETHER FOR DIFFERENT TRANSPORTATION PROJECTS Dylan Jones Katy Rudolph
4:30 PM	ADJOURN		
5:30 PM	DINNER IN MINNESOTA I & II		



2025 SURVEY TECHNICAL WORKSHOP SCHEDULE

WEDNESDAY, MARCH 12, 2025

6:45 AM BREAKFAST IN MARINA DINING ROOM			
	WHITEBIRCH I	WHITEBIRCH II	LAKESIDE RM.
8:00 AM	HOW CAN GIS TOOLS HELP SURVEYORS? Daniel Braun Jay Haskamp	SURVEY INFORMATION AND BRIDGE PLAN DEVELOPMENT Cary Gries	CARLSON SURVEY BASICS Luis Rojas
9:00 AM	TERRESTRIAL SCANNING & CONVENTIONAL SURVEY FOR ENGINEERING AND DESIGN Matt Vinopal	PLAN READING 101 Mike Sjodin	UNDERSTANDING LEGAL DESCRIPTIONS Rick Morey
10:00 AM BREAK IN MINNESOTA I & II			
10:15 AM	PLSS MONUMENT GRANT AND LEGISLATIVE UPDATE 2025 Alison Slaats Patrick Veraguth	ELECTRONIC FILES 101 Justin Kraus	MNDOT MOBILE SCANNING Colin Lee Dylan Jones
11:15 AM	REVIEW OF THE 1852 STATE LINE SURVEY ALONG THE ST. LOUIS RIVER: A DIAGRAM OF SURVEY BETWEEN A STATE AND A TERRITORY (PART 1) Anthony Lueck	TEMPORARY TRAFFIC CONTROL – WORKER SAFETY Jeff Morey	CST APPLICATION & TEST PREPARATION Norman Ellerbrock
12:15 PM LUNCH IN MINNESOTA I & II			
1:15 PM	STATUS OF THE 1852 STATE LINE BOUNDARY BETWEEN MINNESOTA AND WISCONSIN AND RECOVERY OF MILE POST MONUMENTS (PART 2) Anthony Lueck	SURVEYING FOR BRIDGE CONSTRUCTION Adam Olson	RDOai, DRONE DATA PROCESSING AND REAL-WORLD RESULTS Cody Wagner Tanner Laverdiere
2:15 PM	ORIGINAL GOVERNMENT SURVEY OF GUIDE MERIDIANS AND STANDARD PARALLELS IN MINNESOTA Don Borcharding	BASICS OF UTILITY MAPPING Simon Pedley	IMPLEMENTING SURVEY TARGETS INTO AERIAL MAPPING Miles Strain
3:15 PM BREAK IN MINNESOTA I & II			
3:30 PM	MNDOT ROW: BOUNDARY DETERMINATION, MONUMENTATION, AND RECORD RESOURCES Geoff Bitner	LIDAR TECHNOLOGY FOR MONITORING AND ANALYZING SURFACE DATA: CASE STUDIES IN MSE AND WALL ANALYSIS Michael Cook	OBTAINING MAXIMUM ACCURACY FROM LOW-COST DRONE SYSTEMS USING BOTH SINGLE AND ZERO GROUND CONTROL POINTS Jeffrey Walsh
4:30 PM ADJOURN			
5:30 PM DINNER IN MINNESOTA I & II			



2025 SURVEY TECHNICAL WORKSHOP SCHEDULE

THURSDAY, MARCH 13, 2025

6:45 AM BREAKFAST IN MARINA DINING ROOM			
	WHITEBIRCH I	WHITEBIRCH II	LAKESIDE RM.
8:00 AM	DATUMS & COORDINATE SYSTEMS: PREPARING FOR THE NEW DATUM Geoff Bitner	WORK ZONE SAFETY FOR FIELD SURVEY Timothy Parkos Sarah Keeling REPEAT	
9:00 AM	TREE IDENTIFICATION AND NOXIOUS WEED Christina Basch Dave Hanson	MNDOT'S PROTOCOL FOR TARGETING AND CHECK SHOTS Adam Smith	TURNBACKS Keith Jellinger
10:00 AM BREAK IN MINNESOTA I & II			
WHITEBIRCH I & II			
10:15 AM		BLUFF SURVEYS Craig Wensmann	
11:30 AM ADJOURN			

DRAFT