



MONTAGUE TOWNSHIP POLICE SERVICES BOARD AGENDA

LIVESTREAMED ELECTRONICALLY

THURSDAY DECEMBER 9TH, 2021 AT 3PM

- 1. Call to Order**
- 2. Opening of Meeting**
- 3. Adoption of Minutes: September 9, 2021**
- 4. Business Arising from the Minutes**
- 5. Delegations**
- 6. Review of Detachment Commander**
- 7. Concerns of the Public**
- 8. Lanark County O.P.P. Detachment**
- 9. New Business**
 - a) Radar Display sign with Traffic Data Collection
 - b) OAPSB Zone 2 Meeting – Nov26, 2021
 - c) LCAPSB Meeting – January 13, 2022 in Carleton Place
 - d) 1st and 2nd Quarter Reports for Montague
 - e) 5 Year Report Montague
 - f) MCRT Program
 - g) Status of the Lanark PSB
- 10. General Discussion:**
- 11. Adjournment and Date of Next Meeting**



MONTAGUE TOWNSHIP POLICE SERVICES BOARD MINUTES

COUNCIL CHAMBERS

Thursday, September 9th, 2021 at 3:00pm

Present: K. Padiachi, R. McMurchy, B. Lye, B. Dobson

Staff: Acting Clerk Administrator Joanna Bowes

1. Call to Order

2. Approval of Agenda

Moved By: B. Dobson

Date: September 9, 2021

Seconded By: R. McMurchy

Resolution Number: 01-2021

That that the Montague Police Services Board agenda dated September 9th, 2021 be approved as amended.

CARRIED

3. Election of Chairperson

Moved By: B. Lye

Date: September 9, 2021

Seconded By: B. Dobson

Resolution Number: 02-2021

That Ross McMurchy be appointed as Chair of the Police Services Board.

CARRIED

4. Adoption of Minutes:

a) January 23, 2020

Moved By: B. Dobson

Date: September 9, 2021

Seconded By: B. Lye

Resolution Number: 03-2021

That the minutes of the Montague Police Services Board meeting held on January 23, 2020 be approved as circulated.

CARRIED

5. Business Arising from the Minutes

Mental Health Issues – July 15, 2020 order came through he has a 3 year

appointment on the board with Bill Lye

6. Delegations

7. Review of Detachment Commander

a) Annual Review in Process

Moved By: B. Dobson
Seconded By: B. Lye

Date: September 9, 2021
Resolution Number: 04-2021

That the review is completed and brought back to K. Padiachi

DEFERRED

8. Concerns of the Public

Moved By: R. McMurchy
Seconded By: B. Dobson

Date: September 9, 2021
Resolution Number: 05-2021

That the Montague PSB direct staff to write a report to Council encouraging them to use empirical evidence before responding to speeding concerns.

9. Lanark County O.P.P. Detachment

Update from K. Padiachi:

New staff sergeant

4 recruits join in June 2021, plus 2 experienced police officers.

2 new recruits at end of September and 2 more February 2022.

Crime Unit is busy with calls for service.

SF communication office is closing. Calls will be dispatched out of Orillia. No change to service expected.

10. New Business

a) Staff Concerns re: handling of two issues at municipal level

Moved By: B. Dobson
Seconded By: B. Lye

Date: September 9, 2021
Resolution Number: 06-2021

That the following verbal report be received as information - Handling of issues at the municipal level.

CARRIED

b) OAPSB Zone 2 Meeting

Moved By: B. Dobson Date: September 9, 2021
Seconded By: R. McMurchy Resolution Number: 07-2021

That the following be received as information and that staff be directed to provide the names of those attending OSAP Zone 2 meeting.

CARRIED

c) 1st and 2nd Quarter Reports for Montague

Moved By: B. Dobson Date: September 9, 2021
Seconded By: R. McMurchy Resolution Number: 08-2021

That the following OPP reports be received for information - Quarterly Report 1 and 2 2021

CARRIED

d) 5 Year report for Montague

Moved By: B. Lye Date: September 9, 2021
Seconded By: R. McMurchy Resolution Number: 09-2021

That the following OPP report be received for information - 5 year report for Montague

CARRIED

e) MCRT Program

Moved By: B. Lye Date: September 9, 2021
Seconded By: R. McMurchy Resolution Number: 10-2021

That the following report be received for information - Mobile Crisis Response Team Program

CARRIED

f) Status of the Lanark PSB

Moved By: B. Lye Date: September 9, 2021
Seconded By: B. Dobson Resolution Number: 11-2021

That the following report be received for information - Status of Lanark County PSB

CARRIED

11. General Discussion:

a) Recognition of staff and volunteers

Moved By: B. Lye

Date: September 9, 2021

Seconded By: B. Dobson

Resolution Number: 12-2021

While Committee members are thankful for the gift certificates received last year for their volunteer efforts, committee members suggest a donation to a good cause at Christmas.

CARRIED

12. Adjournment and Date of Next Meeting

Moved By: B. Dobson

Date: September 9, 2021

Seconded By: R. McMurchy

Resolution Number: 13-2021

That this meeting do now adjourn at 4:35 PM until the call of the chair

CARRIED

Chair

Ross McMurchy

Acting Clerk Administrator

Joanna Bowes

SHIELD RADAR SPEED DISPLAY



Shield Speed Display

- Two units to cover any application
 - **Shield 12:** 30.5 x 15.2 cm digits, 112 LED/digit
 - **Shield 15:** 38.1 x 20.3 cm digits, 140 LED/digit
- Size, weight without battery
 - **Shield 12:** 39.4 x 34.4 x 7.92 cm, 5.4kg
 - **Shield 15:** 61 x 43.2 x 7.92 cm, 8.2 kg
- **Universal Mounting System:** attach to pole, trailer or vehicle hitch mount
- Integral camera for awareness and alert driven images
 - 640 x 480 daylight images (optional in Sh12B, Sh15B)
- **Radar:** K Band (24.15 GHz), FCC Certified, n license required, +-2 kph accuracy, 0.2 rad square pickup area, 8-150 KPH, range: 365+ m (12B, 15B range: 400')
- Meets MUTCD Specification

Shield Operation Modes

- **Speed Display:** Display approaching vehicle's speed and record traffic speed and volume data
- **Stealth or Display Off:** Collect traffic speed and volume data with no display
- Changeable speed limit sign
- **Dependent Message:** Send speed data to an InstAlert variable message sign to display messages tailored to vehicle's speed
- **Schedule:** Change mode or speed limit up to 13 times/day

- Collect traffic data – vehicle volume by speed and time – in all modes
- Sign returns to last configuration when power applied

Shield Programming Methods

Onboard Programming (standard on all units)

- Set speed limit
- Set display mode

ATS PC Sign Manager Local Communication

(PC control/USB connection: Standard with on all signs)

- PC-based client software
- Connect to sign via USB or Bluetooth (optional) **ATS**

Android App Local Communication (Optional):

- Android OS wireless Bluetooth control local to unit
- Android device can be phone or WiFi device with Bluetooth

Local Communication Features:

- Create and change modes and settings
- Local data retrieval and management
- Local image retrieval and management from internal camera
- Manage all unit settings, automatic sync with TrafficCloud when power applied
- Based Management (optional)
- All traffic data can be saved for online management and backup
 - Retrieve data and save to TrafficCloud, generate limited reports online from hosted data

TraffiCloud™ Web-based Management Services using integral cell modem for remote management

(See TraffiCloud specification for more information)

- Turnkey system. Remote sign connection functional upon ship. Unit connects to TraffiCloud system when sign powered
- Fully hosted web-based management system
 - Internet-connected computer with browser provides anywhere access on all browser capable, connected devices
 - No IT involvement or support necessary. System bypasses customer network eliminating access issues
 - Cellular provided by ATS, no separate cellular charges
 - Hosted database requires no setup or maintenance by customer

App

All apps are included in Traffic Suite:

- **Equipment Management:** Change messages and settings remotely, monitor sign online
- **Reporting:** Online data retrieval and management, analysis and enhanced report generation
- **Image Management:** Online image retrieval and management of images from internal camera
- **Alerts:** Notifications for low battery and tampering, high speed and congestion, alerts can include images
- **Mapping:** Visually manage equipment and data
- **PremierCare:** Enhanced warranty and real-time monitoring

Shield Speed Programming

- Configure the following parameters via ATS PC Sign Manager, ATS Android App or TraffiCloud Web Based Management Service (optional):
 - Speed limit

- Maximum speed displayed
- Display on/off/specific mph activation
- Violator Alert on/off/specific mph activation
- Radar sensitivity (range)
- Speed limit sign operation
 - Change speed limit up to six times per day
 - Sign flashes when car passing over speed limit blanks when car over maximum speed displayed
- Set time via PC or sync with cell signal
- Sign firmware field and remotely upgradeable

Scheduling

- **All Days:** Schedule up to six different modes for up to 13 different time periods in a 24-hour day, repeats in each 24 hour cycle
- **Seven Days:** Schedule up to six different modes for up to 13 different time periods in a 24-hour day for each of seven days, repeats in each 7-day cycle
- All messages and scheduling reside on the sign – no external hardware necessary
- Schedules can be saved for loading on multiple signs
- Program schedule via TraffiCloud, ATS PC Sign Manager or ATS Android App
- Camera activation available in schedule options
- Internal real time clock, time and schedule maintained with power disconnected

Shield Data Logging Option

- Traffic data reporting using TraffiCloud Reporting App
- Collect data with TraffiCloud automatic service local collection with ATS PC Sign Manager or ATS Android App with data saved to TraffiCloud
- Reports include tables and charts to address all constituents with the most applicable data presentation
- All reports exportable to Excel, CSV and PDF
- Automatic data collection in TraffiCloud
 - Data retrieval at least eight times per day – near real-time reporting, memory never full

COMPATIBLE WITH THESE ATS PRODUCTS

Engineered and Manufactured in the United States of America



Shield 15 on speed limit sign pole



Shield 15 on portable post



Shield 15 on ATS 5 Trailer



Shield 12 with yellow YOUR SPEED wrap

- o All data in one database, available for analysis including compliance comparisons by location
- o Access reports from interactive map view by location

Reports

- o Summary page with average and 85th percentile speed, average daily volume, 16-kph pace speed, high and low speed, display mode
- o Traffic counts by speed range, full day and time day over selected date range with 8-kph resolution
- o Vehicle counts by time range per day by hour
- o Vehicle counts by speed range and time of day
- o Compliance by speed range with three ranges
- o Enforcement report showing highest speed and volume violators over selected locations where data was collected
- Local Data Collection: ATS PC Sign Manager or Android App
 - o All data collected hosted in online TrafficCloud database for anywhere access
 - o Download traffic data from sign with USB or Bluetooth connection
 - o 30 days of high volume data minimum, data collection rolls over when memory reaches capacity

Construction

- “YOUR SPEED” sign
 - o High intensity prismatic reflective background
 - o **Shield 12:** 39.4 x 34.3 cm
 - o **Shield 15:** 61 x 20.3 cm
 - o Sign stores for compact storage and protects sign face, thumbscrews and tamper proof hardware included
 - o 8.9 cm high MUTCD ‘C’ letters
- **LED Pixels:** Amber 595nm, 0.52 rad viewing angle, 100,000 hours, black background, (MUTCD compliant)
- Conformal coating on all circuit boards
- Integral handle
- Weatherproof, NEMA 4, IP65 sealed electronics compartment;
- Drip proof, vented battery compartments (2)
- 0.64 cm tinted, non-glare, UV stabilized polycarbonate face
- Entire face removable for service
- Tamper resistant mounting hardware pocket, hardware secured behind enclosure lock
- Aluminum chassis, 14 ga, white powder coat finish black powder coat front for maximum contrast of digit visibility

- Protective polycarbonate corners also provide guide for YOUR SPEED sign storage
- -40°C to 71°C operating temperature range, 95% humidity non-condensing (-29°C for Bluetooth communication, -15°C for internal camera)

Shield Power

- **Power Input, Max:**
 - **Shield 12:** 12 VDC, 1.1 A, 15 W
 - **Shield 15:** 12 VDC, 1.5 A, 20 W
- Power saving circuitry and automatic dimming for ambient light conditions with adjustable dimming range and manual display brightness override

All Shield units can be powered interchangeably with any of the following power options; unit can be outfitted to be powered by multiple sources selected in the field

- **Shield 12 and 15:** Capacity for two batteries in unit for extended portable use
 - 10.2Ah Lithium LFP Battery with built-in short circuit and reverse polarity protection circuitry, 1.5A 12.8 VDC output, 120VAC input automatic charger; Capacity for up to two batteries in unit for extended portable use
 - Solar panel assist: 40W or 60W solar panel and bracket, Solar controller panel w/18Ah or 26Ah lead acid battery, 6A 120VAC automatic charger optional
 - 100-220VAC AC power supply (6A 12VDC) in external NEMA 4 enclosure
- **Shield 15 only:** 16Ah Li-Ion LFP battery, for longer unattended portable use, Capacity for up to two batteries in unit for extended portable use
- **Shield 15 on Trailer**
 - Trailer batteries – 100 or 235 Ah, solar option
 - Auto recovery with solar for low battery

Standard Shield System Components

- Shield Radar Speed Display
- Tamper resistant mounting plate and hardware
- Key
- Web based programming software for PC control with USB cable

Optional Shield Components & Features

- TrafficCloud Web-based Remote Management System
- Padded carrying case
- Extra mounting brackets
- Violator Alert, 12 white LED flash to alert violator
- Metric display
 - **Shield 12:** 2-digit KPM display
 - **Shield 15:** 3-digit KPM display
- Fully compatible with Speed Dependent Messaging option when used with an InstAlert Variable Message Sign – see Speed Dependent Message System section
- **Relay Closure**
 - 7A, 30VDC or 7A 120VAC max, 100mA 5VDC min, no power supplied, simply a contact closure
 - Trigger relay at specified speed with configurable duration from 1 to 10 seconds per radar event
- Bullet-resistant face
- **Tamper alarm:** ATS 5 trailer

Shield Mounting Options

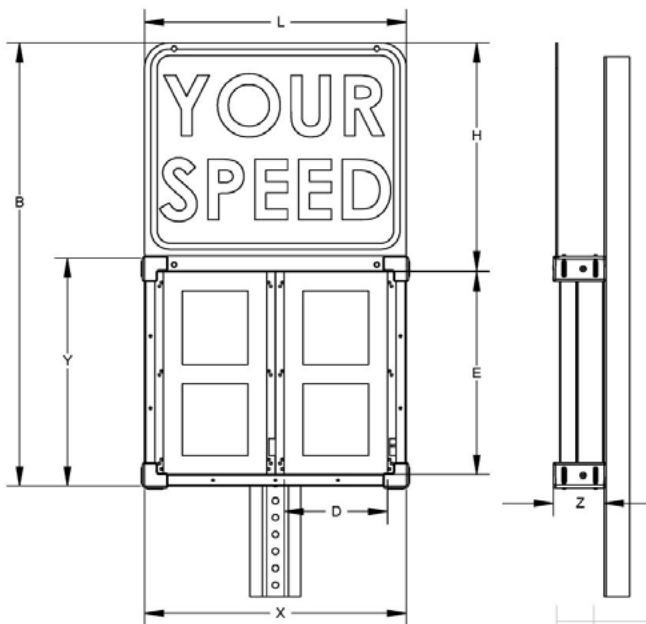
- Pole mount standard with included bracket, hardware
 - NCHRP 350 approved on 10.2 cm aluminum pole (SS-135)
- ATS 5 Trailer (*Shield 15 only, refer to ATS 5 specifications for more info*)
- **Vehicle Hitch Mount**
 - Mounts sign 6.2 cm to bottom of sign from receiver tube (final height dependent on receiver height)
 - Fits 3.2 cm or 5.1 cm receiver, adapter included, 1.3 cm hitch pin

- Locking rotation adjustment on 0.26 rad increments over 3.14 rad, +/- 0.1 rad tilt
 - White powder coat finish
 - 24 x 30 speed limit sign and digits included for 8-105 kph speed limit signs
- **Standard Folding Portable Post: (Sh12 and Sh15)**
 - Folds for easy storage and portability
 - **Shield 12:** 152.4 cm to bottom, 185.4 cm to top, add 33 cm for upper leg position
 - **Shield 15:** 252.4 cm to bottom, 195.6 cm to top, add 33 cm for upper leg position

Warranty Options

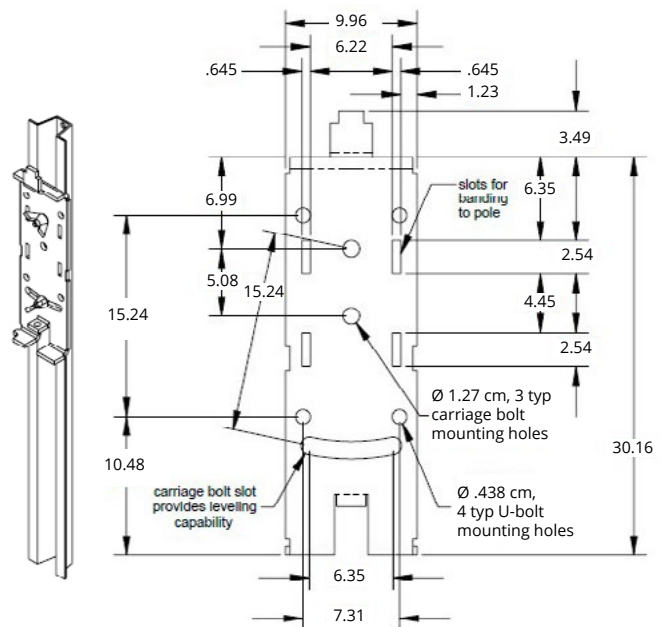
- **Premier Care Perpetual Warranty** available with current TraffiCloud subscription. Ask your ATS sales representative for details.
- **ATS 3-year Manufacturer's Warranty** comes standard on all Shield radar speed displays purchased after January 1, 2019.

SHIELD 12 AND 15 DIMENSIONS



Dim	X	Y	Z	B	D	E	L	H
Sh12	39.4	34.3	7.95	66.8	14.6	30.5	39.4	34.3
Sh15	61	43	7.9	61.8	20.3	38.1	61	20.3

SHIELD 12 AND 15 MOUNTING BRACKET



ALL TRAFFIC SOLUTIONS



REQUEST A QUOTE NOW

OAPBS ZONE 2 MEETING HIGHLIGHTS

NOVEMBER 26, 2021

Lindsay Graham

- New grants available covering next 3 years, apply now (
- 2 new grant possibilities coming soon

Jim Harrison, Zone 2 Chair (he will not run next election)

- 401 corridor needs more speed control and alcohol checks
 - need to move forward with the reorganization of PSBs
 - with municipal and provincial elections in 2022 this now seems unlikely
- (Chief Sloy said in his talk that the reorg is not funded so nothing will happen until it is funded)

Dr Simon Hatcher - working on suicide study with first responders

- main issues; work environment, media coverage (demonizing police), professional culture (fear of being ostracized), racism, little executive support. unwillingness to ask for (medical/mental) help, lack of understanding what trauma is

Ottawa Chief Peter Sloy

- big supporter of PSBs, indicted preferring PSBs stay local
- believes in neighbour hood policing
- need more useful local input in order to better utilize resources
- suggested PSB/Twp Newsletter include more than stats, more stories of what officers face in the field, what the cost of an officer and vehicle is

Questions

How do we handle complaints? What is the process? Can it be improved for better data collection?