2017
Work Zone Training

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Contractor Liability

These materials are intended to assist employers, workers, and others as they strive to improve work zone safety. All of the pictures, video and information in the following presentation are to be utilized for training purposes only. Any individuals or companies named or shown can not be retroactively perused based upon information gained during this presentation as it is being utilized for training and education purposes.
The Good

EVERYTHING IS AWESOME!

The Bad

THEN THEY STARTED DRIVING A DIFFERENT ROUTE TO AVOID US
SO WE STARTED DOING WORK ON THAT ROAD TOO

The Ugly

I JUST HAD THE WORST PERFORMANCE OF 2016

NO, WE JUST HAD THE WORST PERFORMANCE OF 2016
Room for improvement
What’s Happening Now
Crash Tested….?
Traffic Regulators - video
Temporary Signs
Good Height .... Bad at Night
Rumble Strips

- **MDOT** is still determining location and requirement standards.
SQ2 Short Term Active Work

New Option for active work operations
### SQ2 PRICING

**250417-945-03**

**DATE** 04/25/17

<table>
<thead>
<tr>
<th>CUSTOMER NAME</th>
<th>EXPIRATION DATE</th>
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**Notes:**

**SQ2 System Rental:**

- (4) telescoping carts with (1) signal head por cart,
- All LED lamps, (4) controllers, (1) micro-terminal, and wireless radio communication system.

**SQ2 Trailer Rental:**

Enclosed 6’ x 12’ trailer with SQ2 cart lockdowns, lockable front utility box, outrigger/solar panel storage, and trailer brakes. **Holds (4) SQ2 carts. 2 Stop bars, 2 Traffic Signal Ahead Signs and 2 Stop Here On Red signs and stands when rented.**

<table>
<thead>
<tr>
<th>SALESPERSON</th>
<th>SHIPPING METHOD</th>
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<tbody>
<tr>
<td>Sean Mooney</td>
<td>BEST WAY</td>
</tr>
<tr>
<td>QTY</td>
<td>ITEM #</td>
</tr>
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<td>-----</td>
<td>---------</td>
</tr>
<tr>
<td>1.00</td>
<td>DAILY</td>
</tr>
<tr>
<td>1.00</td>
<td>WEEKLY</td>
</tr>
<tr>
<td>1.00</td>
<td>MONTHLY</td>
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<tr>
<td>1.00</td>
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<td>YEARLY</td>
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<tr>
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<td>PURCHASE OF SQ2 SYSTEM</td>
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<tr>
<td>1.00</td>
<td>PURCHASE OF SQ2 TRAILER</td>
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<tr>
<td>1.00</td>
<td>WIRELESS REMOTE PACKAGE</td>
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<tr>
<td>1.00</td>
<td>SQ2 OUTRIGGERS</td>
</tr>
<tr>
<td>1.00</td>
<td>SQ2 SOLAR PACKAGE</td>
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Traffic Regulator Video

https://www.youtube.com/watch?v=DSqVJDFymg
Pedestrian ADA

New SP’s are approved and posted on the Web

- 2012 Previously Approved
- Division 812 - Temp Traffic Control for Constr Zone Operation
  - Temporary Pedestrian Barrier with Fence - 12DS812(J800)-10-30-15
  - Temporary Pedestrian Type II Barricade - 12DS812(J820)-10-30-15
  - Temporary Pedestrian Type II Channelizer - 12DS812(J825)-10-30-15
- Division 8 – Incidental Construction
  - Temporary Pedestrian Path - 12DS800(J810)-10-30-15
  - Temporary Pedestrian Ramp - 12DS800(J815)-10-30-15
  - Temporary Pedestrian Passing Space - 12DS800(J805)-10-30-15
- 2012 Templates Division 8 – Incidental Construction
  - Temporary Bus Stop - 12TM800(A325)-10-30-15
Temporary Pedestrian Barrier With Fence

- Use to channelize pedestrians, and provide a high level of protection.
- May be used to separate pedestrian and vehicle traffic.
- Concrete or water-filled barrier sections are allowed.

Pay Item | Pay Unit
--- | ---
Pedestrian Barrier with Fence, Temp | Foot
Temporary Bus Stop

- Include in projects when permanent bus stops cannot be accessed due to construction.
- Dimensions listed are minimums, size can be increased with demand.
- The perimeter must be delineated with a pedestrian channelizing system, paid separately, to separate the bus stop from the work area.
- The bus stop may be constructed on a temporary surface or an existing surface.

<table>
<thead>
<tr>
<th>Pay Item</th>
<th>Pay Unit</th>
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</thead>
<tbody>
<tr>
<td>Bus Stop, Temporary</td>
<td>Each</td>
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</table>
Temporary Pedestrian Type II Barricade

- Use to close non-motorized facilities in an ADA compliant manner.
- Cannot be used to channelize, or separate motorized traffic, or to close motorized facilities.
- One barricade is defined as a 4’ section.
- Several devices available from different manufacturers.

<table>
<thead>
<tr>
<th>Pay Item</th>
<th>Pay Unit</th>
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<tbody>
<tr>
<td>Pedestrian Type II Barricade, Temp</td>
<td>Each</td>
</tr>
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</table>
**Temporary Pedestrian Type II Channelizer**

- Use to channelize non-motorized traffic when a high level of protection is not needed.
- Cannot be used to separate pedestrians and motorized traffic.
- Paid separately from Pedestrian Type II Barricade.
- Various devices are available.

*Pay Item Pay Unit*

Pedestrian Type II Channelizer, Temp ...................... Foot
Temporary Pedestrian Ramp

- Used when slopes on temporary paths are greater than 1:12, or to route pedestrians over a vertical obstacle.
- Detectable edging and handrails are not always required.
- All dimensional constraints per the Special Provision.

Pay Item Pay Unit
Pedestrian Ramp, Temp............................Each
Temporary Pedestrian Path

• Encompasses all temporary pedestrian/non-motorized facility construction.
• Minimum width 4 feet
• Cross-slope maximum of 2%
• Longitudinal slope maximum of 1:12, anything greater requires a temporary ramp, paid separately.
• Suitable materials to construct the path include asphalt materials, Oriented Strand Board (OSB), plywood, dimensional lumber, reclaimed, or other as approved by the Engineer.
  • **Compacted soils, aggregate and sand are prohibited.**

Pay Item | Pay Unit
---|---
Pedestrian Path, Temporary | Foot
ADA – Field Examples
ADA – Field Examples
ADA – Field Examples
Questions?

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