



## Installation Guide

# TRACKOUT CONTROL SYSTEM



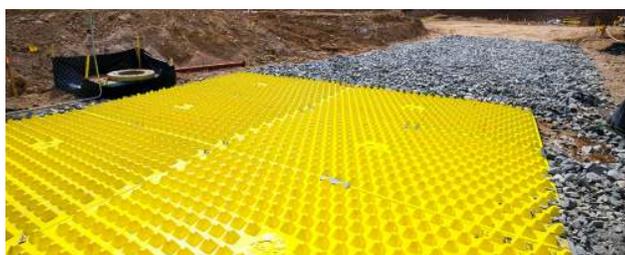
## HARDWARE INSTALLATION

Set mats on ground and then pull mats into place using FODS hooks. Place mats in proper place, typically at the furthest exit point next to the street or furthest point of egress. Make sure to align mats such that the vehicles using the exit have a clear path of travel and are clear of other obstacles.

Place H-Bracket in between first and second mats so that the lip of each mat is inside of H-Bracket. Once the H-Bracket is in place, pull mats together tightly using FODS hooks.

## SIDE BY SIDE INSTALLATION

To install a side by side mat install such as a 2x4, install the hardware as you would for single wide install. Install the mats as a regular single wide with another regular single wide mat installed adjacent to the first. On the entrance and exit mats, install short strap as shown in picture between the 2 mats.



# FODS HARDWARE BOX CONTENTS

| QTY | Product Code | Product Description       |
|-----|--------------|---------------------------|
| 4   | 5100CA       | Cable Earth Anchors TL-A2 |
| 14  | 5210         | Long Steel Plate          |
| 2   | 5211         | Short Steel Plate         |
| 14  | 5225         | 1/2" x 2" Bolt            |
| 14  | 5226         | Nut for 1/2" Bolt         |
| 3   | 5250         | H Bracket                 |

\*FODS Hardware box contained the hardware required to complete a typical four mat installation. An eight mat installation will require (2) FODS Hardware Boxes.

For unique or custom installation layouts please contact your distributor or FODS at 844-200-3637.



| Recommended                  | Optional                      |
|------------------------------|-------------------------------|
| Crescent Wrench              | Impact Driver                 |
| Ratchet with 3/4" socket     | -with 3/4" socket adapter     |
| Hammer                       | 27lbs Demolition Hammer       |
| Sledge Hammer                | -with 5/8" ground rod adapter |
| Shovel                       | Extension Cord                |
| 3/8" or 1/2" Steel Drive Rod | Generator                     |
| Cable Cutters                | Jack-Jaw Stake Removal Device |
| Vise Grips                   |                               |

# FODS TRACKOUT CONTROL SYSTEM ANCHORING GUIDE

FODS Trackout control system must be anchored in place for safety and to ensure proper performance. Proper anchoring procedure may vary depending on use and soil condition.



## ANCHOR SYSTEM #1: FORM STAKES

Form stakes may be hammered into pre-drilled holes. FODS Recommends a minimum of two stakes per mat (one per side). For the first and last mat of the trackout system, the stakes should be driven in corner holes. 18" or 24" form stakes are recommended. Length of stake required may depend on the structure of the soil.

Ensure that stakes are driven a minimum of 1" below the top of the FODS pyramids.

## BEST PRACTICE

To prevent mats from "riding up" on stakes, place a washer over the stake and insert a 16-penny double head nail through the top hole of the stake. Hammer stake into ground until the washer and nail are snug against the mat, then bend over the nail so nail cannot work itself out.



\*\*\*Before using earth anchors, call 811 for locates to mark underground utilities\*\*\*



## ANCHOR SYSTEM #2: CABLE EARTH ANCHOR

Cable earth anchors can be used to secure the mats and are recommended for installations where the top 12' of soil may be weak or where mats are needing to be "sucked" down to the substrate.

Place drive rod into the anchor. Use a demolition hammer with ground rod adapter to drive anchor through pre-drilled holes in mat into solid soil (typically 3-4' deep) remove drive rod and pull up on cable to set anchor and tension cable. While pressing mats tight to ground, slide provided washer down cable until flush with the top of mat.

### BEST PRACTICE

Place one cable anchor per side in the corners on the first and last mat of the system. Place two form stakes into all other mats in the system.



## ANCHOR SYSTEM #3: INSTALLATION ON ASPHALT OR CONCRETE

To anchor the mats to asphalt or concrete, a concrete expansion bolt can be used. Recommended anchor diameter is 3/4" bolt with a minimum embedment into the asphalt or concrete of 3.25" or 4" from the top of the mat down in to the hole. To install the bolt:

1.

Once the mats have been set in place and all hardware properly connected, drill a hole into the base material with a hammer drill and a correctly sized carbide drill bit for the anchor you are using. For ease the drill bit can be inserted through the mat pre-drilled hole's where you intend to place the anchor bolt.

2.

Once hole has been drilled to proper depth, remove all debris from hole.

3.

Insert the Single Expansion Anchor into the hole and tap the fastener lightly with a hammer to ensure it is flush with the base material.

**\*A Sleeve Anchor is recommended for installation on asphalt.**

4.

Set the fixture over the single expansion anchor and insert the properly sized machine bolt/screw through the fixture and into the anchor.

