

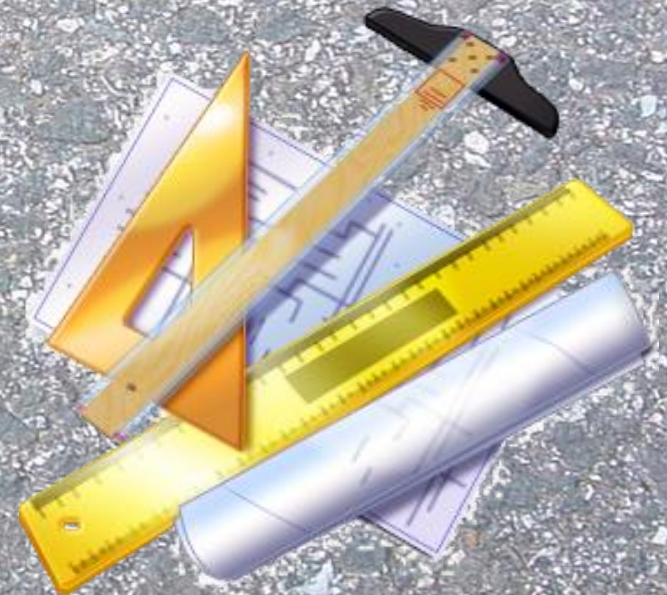
# Preventing Runovers and Backovers

**Developing the Program**

*Module 5*

# When Should an ITCP be Developed?

- Different aspects of the ITCP will be identified and developed during the various construction phases of a project.
- Depending on the phase, different people will be involved in the process.



# When Should an ITCP be Developed?

- **Bidding and Planning Stages**
  - Right of Way
  - Temporary Traffic Control
  - Risk Assessment
  - Equipment Selection/  
Identification
  - Subcontractor Selection  
and Coordination



# Contractor Planning Phase

- **Negotiation of Responsibilities**
- **Assigning Duties**
  - Meeting Participation
  - Use of Law Enforcement
  - Location of Access/  
Egress Points
  - Lane Encroachments



# Construction Phase

## ■ Responsibilities

- The safety professional employees; assists in developing the ITCP; performs audits
- The site supervisor assists in developing the ITCP
- The fore/lead person develops and implements the ITCP



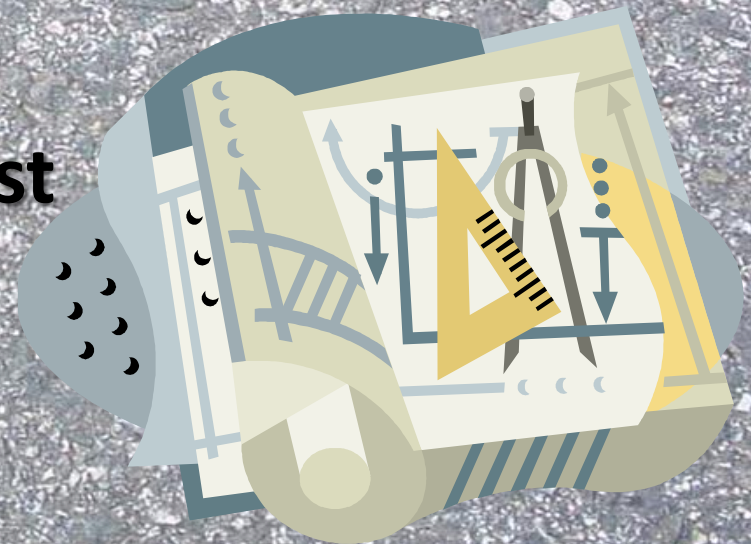
# Construction Phase *(continued)*

- Subcontractor selection, buy-in and communications (e.g. trucking, excavation, etc.)
- Owner/agency coordination and communications
- Selection of equipment
  - Smaller blind spots
  - Adding cameras/proximity warning



# What Are the ITCP Elements


- 1. ITCP Diagram(s)**
- 2. ITCP Notes**
  - Injury Reduction Measures
  - Site Specific Conditions/Provisions
  - Duties
  - Equipment/Personnel List
  - Notes on Safety Points
- 3. Key to ITCP Drawings**



# What Are the ITCP Elements

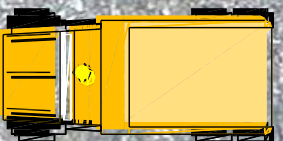
## ■ ITCP Key

Worker-Free Zone= 

Construction Barrel= 

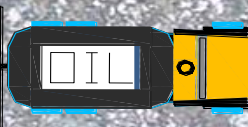
Grader= 

Full Truck= 

Empty Truck= 

Paver= 

Roller= 

Tack Truck= 

Water Truck= 

Car= 



# Creating the Plan

- Identify project scope and plan scope, as these vary from job-to-job
- Identify the operation that will take place (Paving, Trenching, Earthmoving, etc.)
- Identify the individuals who will be involved (safety professional, foreman, superintendent, truck boss, DOT inspector, visitors)



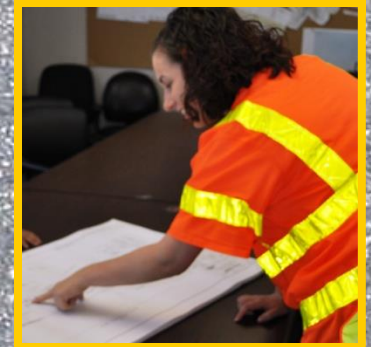
# Creating the Plan

- **Review the site plan:**
  - Where will the operation take place?
  - What equipment will be involved?
  - Where will workers on foot need to be located?
  - What is the traffic control plan?



# Creating the Plan

- **Review the site plan *(continued)*:**
  - Where are the access/egress points?
  - How often will deliveries be made or loads removed?
  - How quickly will the work progress?



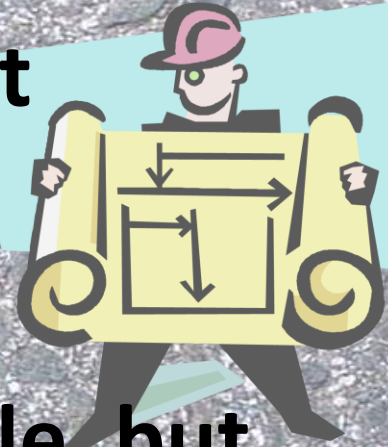
# Creating the Plan

- **Implement Communications Plan:**
  - Who will develop the ITCP?
  - Who will execute the ITCP?
  - Who will instruct project leaders?  
Site employees? Operators?  
Subcontractors? Truck Drivers?
- **Once communications are in order, your plan is complete**



# Site Specific ITCP

- **Draw the basic work area layout**
  - May be taken from the Temporary Traffic Control Plan
- **The drawing need not be to scale, but should be sufficient size all drawing of vehicle and pedestrian worker paths**
- **Plot the pedestrian worker and vehicles paths using ITCP principles**

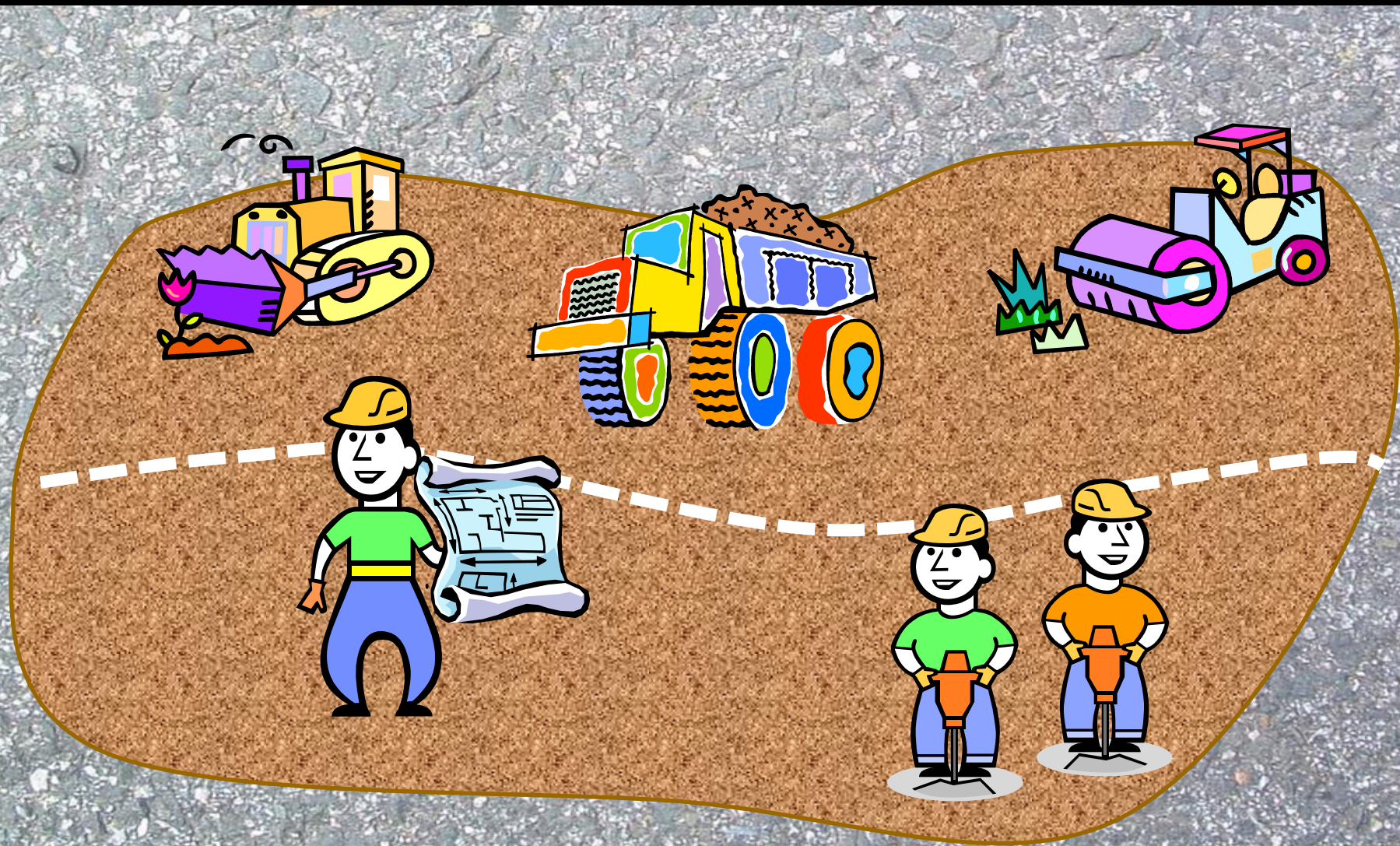


# Site Specific ITCP

- Plot worker on foot locations
- Plot equipment and vehicle locations
- Plot vehicle and equipment paths including access/egress points for dump trucks and other site visitors
- Plot location of utilities, storage areas and other obstacles or hazards

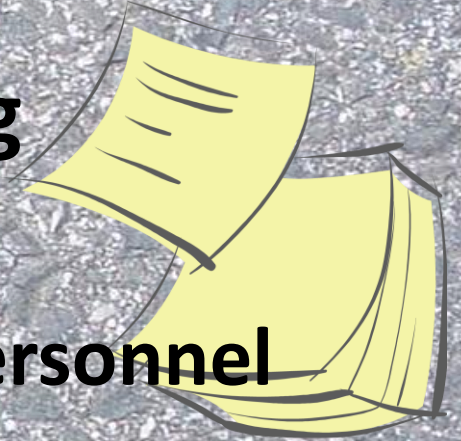


# Worker Free- & Equipment Free Zones



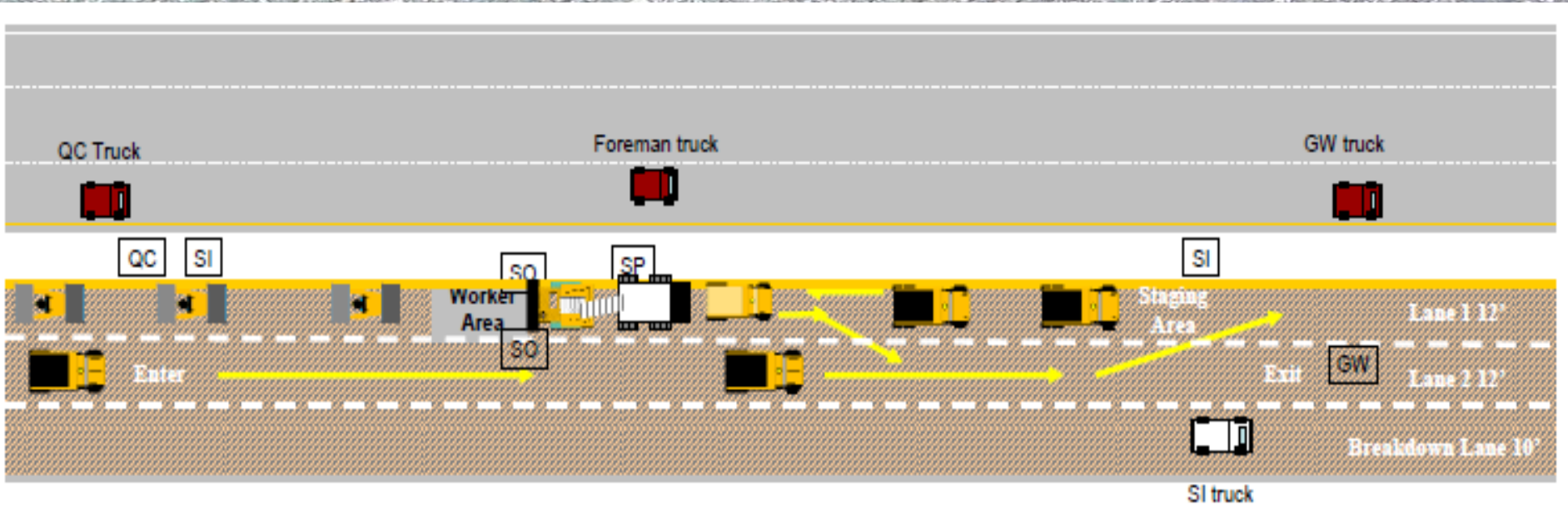
# Site Specific ITCP

- **Create plan “notes” explaining the diagram.**
  - **Specify duties of all involved personnel**
  - **Consider posting signs indicating “worker free zones” and “equipment free zones”**
  - **Consider posting speed limits inside the work space**
  - **Include other injury-reducing measures**

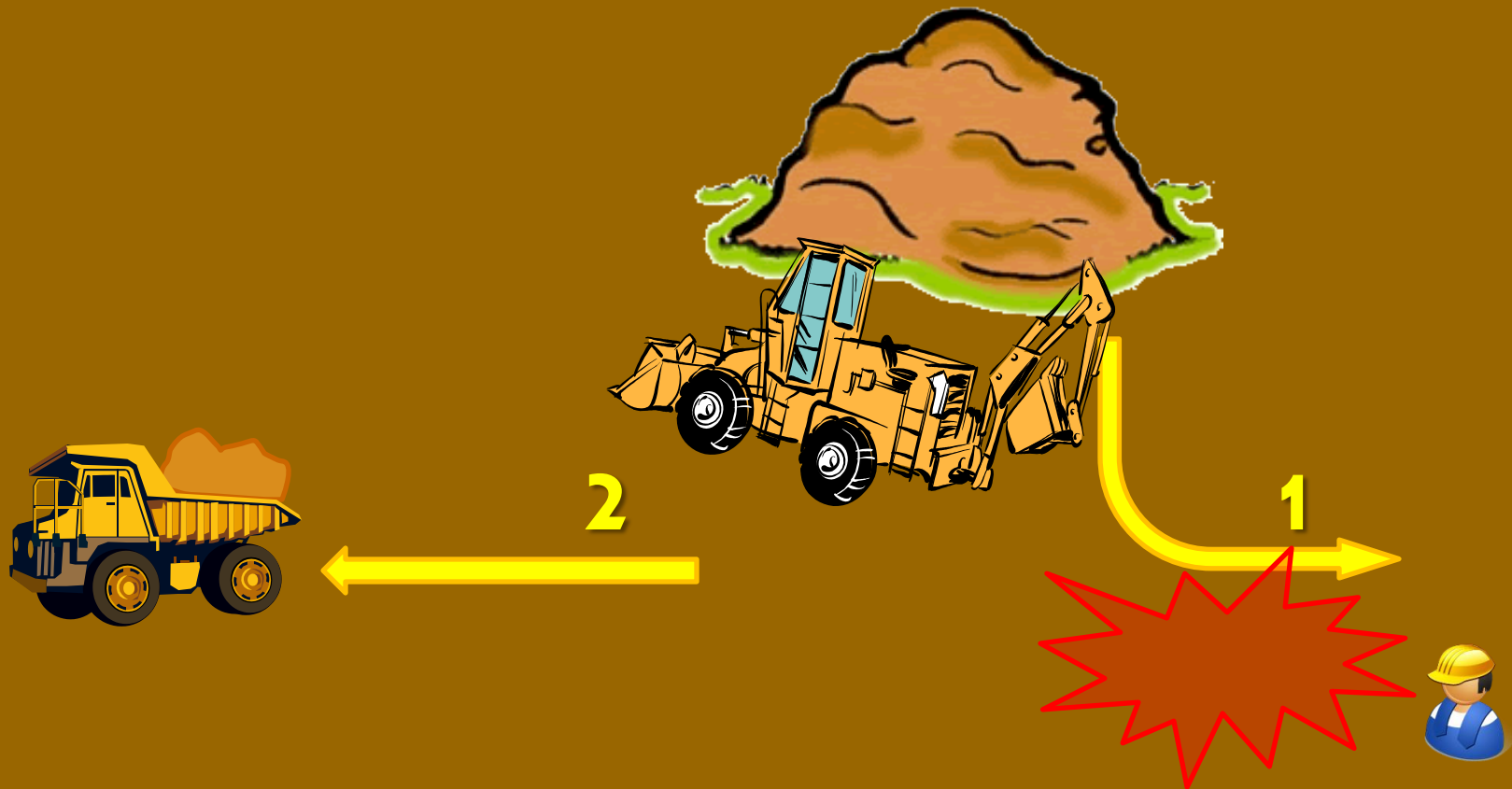




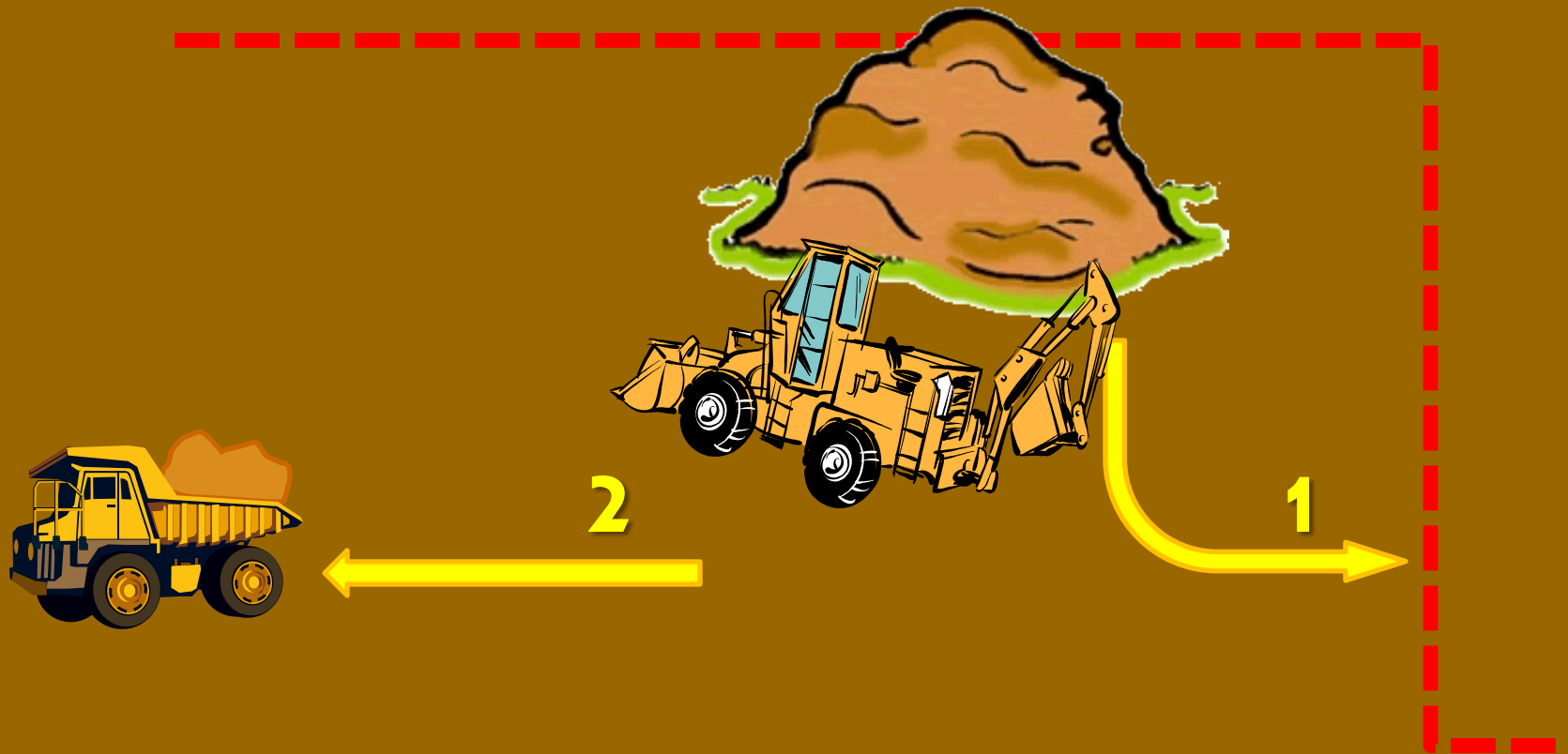
# Internal Traffic Control Diagram



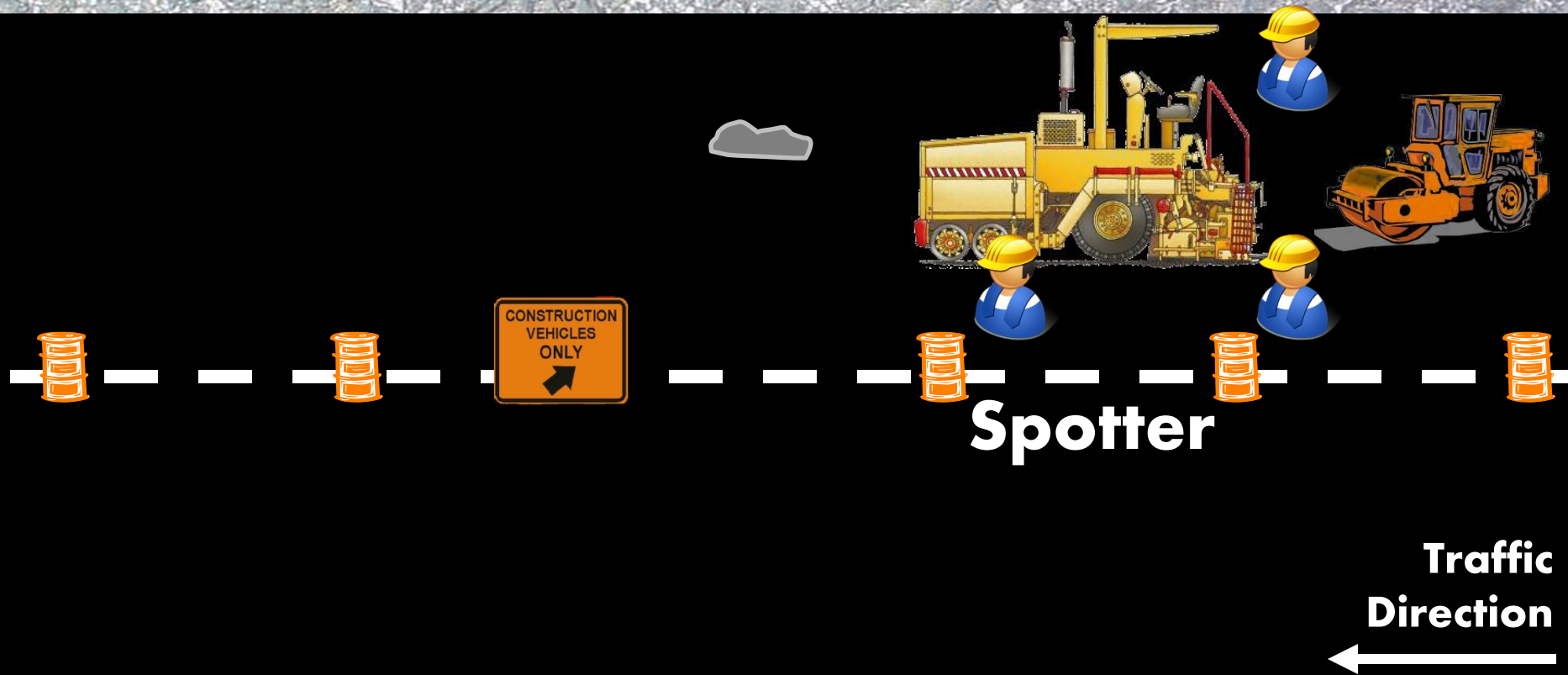
# Basic Model for Earth Moving



# Basic Model for Earth Moving



# Basic Model for Paving



# Activity

**Draw an ITCP for a simple paving operation**



# Creating an ITCP

- **Determine locations for equipment and personnel**
- **Determine where workers on foot are likely to face hazards:**
  - Backing Zones
  - Access/Egress Points
  - Work Activity Sites
  - Worker Paths to Rest Areas
  - Large Equipment Paths
  - Utilities
  - Site Visitors/Parking
  - Material Storage Locations and Movement

**Activity**



**Create Your Own Internal  
Traffic Control Plan**



# Review

- **Watch the following video to review major ITCP concepts. Make notes of anything you missed or forgot during the training program.**

{Review Video}

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# Discussion and Questions

## End Module Five

**“This material was produced under the grant SH-22285-11-60-F-11 from the Occupational Safety and Health Administration, U.S. Department of Labor, and contract 212-2009-M-32109 from the National Institute for Occupational Safety and Health. It does not necessarily reflect the views or policies of the U.S. Department of Labor or U.S. Department of Health and Human Services, respectively, nor does mention of trade names, commercial products, or organizations imply endorsement by the U.S. Government.”**