

**PERFORMANCE ACTIVITY 407**

**LITTER CONTROL**

**WORK DESCRIPTION 1**  
**WORK DESCRIPTION 2**  
**WORK DESCRIPTION 3**

**Litter**  
**Dead Animals**  
**Litter Bag Pickup**

## 407 LITTER CONTROL

### ACTIVITY DESCRIPTION

Clear the roadways and roadsides of litter and animal carcasses.

### WORK DESCRIPTION 1 Litter

#### TRAFFIC CONTROL

##### TWO-LANE TWO-WAY ROADWAYS

Utilize intermittent mobile operations for these work activities under the following conditions:

**Condition 1** - The maximum time duration of a stop is 15 minutes if the work vehicle and/or the shadow vehicle encroach upon a travel lane more than 2 feet.

**Condition 2** - The maximum time duration of a stop is 30 minutes if the work vehicle and/or the shadow vehicle encroach upon a travel lane 2 feet or less.

**During intermittent mobile operations, utilize a shadow vehicle when the stopping sight distance interval between the work vehicle or road machinery and an approaching motorist is unavailable based upon the posted regulatory speed limit of the work location.**

#### TYPICAL DRAWING APPLICATIONS

##### MOBILE OPERATIONS – INTERMITTENT

<b>DRAWING 535-01-A</b>	-	MOBILE OPERATIONS – INTERMITTENT STOPPING SIGHT DISTANCE VEHICLE TRAIN REQUIREMENTS VERTICAL CURVE (HILL)
<b>DRAWING 535-01-B</b>	-	MOBILE OPERATIONS – INTERMITTENT STOPPING SIGHT DISTANCE VEHICLE TRAIN REQUIREMENTS HORIZONTAL CURVE (CURVE)
<b>DRAWING 535-02-A</b>	-	MOBILE OPERATIONS – INTERMITTENT LOW VOLUME LOW SPEED
<b>DRAWING 535-02-B</b>	-	PRIMARY & SECONDARY ROUTES MOBILE OPERATIONS – INTERMITTENT LOW VOLUME INTERMEDIATE SPEED TO HIGH SPEED PRIMARY & SECONDARY ROUTES
<b>DRAWING 535-03-A</b>	-	MOBILE OPERATIONS – INTERMITTENT INTERMEDIATE VOLUME LOW SPEED PRIMARY & SECONDARY ROUTES
<b>DRAWING 535-03-B</b>	-	MOBILE OPERATIONS – INTERMITTENT INTERMEDIATE VOLUME INTERMEDIATE SPEED TO HIGH SPEED PRIMARY & SECONDARY ROUTES
<b>DRAWING 535-04-A</b>	-	MOBILE OPERATIONS – INTERMITTENT HIGH VOLUME LOW SPEED PRIMARY & SECONDARY ROUTES

- DRAWING 535-04-B** - MOBILE OPERATIONS – INTERMITTENT  
HIGH VOLUME  
LOW SPEED  
INTERIOR TRAVEL LANE OPERATIONS  
PRIMARY & SECONDARY ROUTES
- DRAWING 535-04-C** - MOBILE OPERATIONS – INTERMITTENT  
HIGH VOLUME  
INTERMEDIATE SPEED TO HIGH SPEED  
PRIMARY & SECONDARY ROUTES

**MULTILANE SECONDARY AND PRIMARY ROADWAYS**

Utilize intermittent mobile operations for these work activities under the following conditions:

**Condition 1** - The maximum time duration of a stop is 15 minutes if the work vehicle and/or the shadow vehicle encroach upon a travel lane more than 2 feet.

**Condition 2** - The maximum time duration of a stop is 30 minutes if the work vehicle and/or the shadow vehicle encroach upon a travel lane 2 feet or less.

**During intermittent mobile operations, utilize a shadow vehicle when the stopping sight distance interval between the work vehicle or road machinery and an approaching motorist is unavailable based upon the posted regulatory speed limit of the work location.**

**TYPICAL DRAWING APPLICATIONS**

**MOBILE OPERATIONS – INTERMITTENT**

- DRAWING 535-01-A** - MOBILE OPERATIONS – INTERMITTENT  
STOPPING SIGHT DISTANCE  
VEHICLE TRAIN REQUIREMENTS  
VERTICAL CURVE (HILL)
- DRAWING 535-01-B** - MOBILE OPERATIONS – INTERMITTENT  
STOPPING SIGHT DISTANCE  
VEHICLE TRAIN REQUIREMENTS  
HORIZONTAL CURVE (CURVE)
- DRAWING 535-03-A** - MOBILE OPERATIONS – INTERMITTENT  
INTERMEDIATE VOLUME  
LOW SPEED  
PRIMARY & SECONDARY ROUTES
- DRAWING 535-03-B** - MOBILE OPERATIONS – INTERMITTENT  
INTERMEDIATE VOLUME  
INTERMEDIATE SPEED TO HIGH SPEED  
PRIMARY & SECONDARY ROUTES
- DRAWING 535-04-A** - MOBILE OPERATIONS – INTERMITTENT  
HIGH VOLUME  
LOW SPEED  
PRIMARY & SECONDARY ROUTES
- DRAWING 535-04-B** - MOBILE OPERATIONS – INTERMITTENT  
HIGH VOLUME  
LOW SPEED  
INTERIOR TRAVEL LANE OPERATIONS  
PRIMARY & SECONDARY ROUTES
- DRAWING 535-04-C** - MOBILE OPERATIONS – INTERMITTENT  
HIGH VOLUME  
INTERMEDIATE SPEED TO HIGH SPEED  
PRIMARY & SECONDARY ROUTES

## INTERSTATE ROADWAYS

Utilize intermittent mobile operations for these work activities under the following conditions:

**Condition 1** - The maximum time duration of a stop is 5 minutes if the work vehicle and/or the shadow vehicle encroach upon an adjacent travel lane due to a shoulder area inadequate to accommodate a vehicle in its entirety due to the presence of a concrete median barrier wall or a bridge parapet wall.

**Condition 2** - The maximum time duration of a stop is 30 minutes if the vehicles remain in the shoulder areas in their entirety with no encroachment upon an adjacent travel lane.

**During intermittent mobile operations, utilize a shadow vehicle when the stopping sight distance interval between the work vehicle or road machinery and an approaching motorist is unavailable based upon the posted regulatory speed limit of the work location.**

Traffic control set-ups for mobilized shoulder operations may be utilized for work activities that cannot be conducted under the conditions required for intermittent mobile operations.

Standard shoulder closures may be utilized for work activities that cannot be conducted under the conditions required for intermittent mobile operations or mobilized shoulder operations.

**( Brief periodic encroachments upon the adjacent travel lane for the equipment to relocate or bypass structures such as guardrail locations or bridge structures are acceptable. )**

### TYPICAL DRAWING APPLICATIONS

#### SHOULDER CLOSURES

<b>DRAWING 520-01</b>	-	RIGHT SHOULDER CLOSURE CASE I / CASE II INTERSTATE ROUTES
<b>DRAWING 520-02</b>	-	LEFT SHOULDER CLOSURE CASE I / CASE I NARROW MEDIAN INTERSTATE ROUTES
<b>DRAWING 520-03</b>	-	LEFT SHOULDER CLOSURE CASE I / CASE I WIDE MEDIAN INTERSTATE ROUTES
<b>DRAWING 520-04</b>	-	LEFT SHOULDER CLOSURE CASE I / CASE II WIDE MEDIAN INTERSTATE ROUTES
<b>DRAWING 520-05</b>	-	LEFT SHOULDER CLOSURE CASE II / CASE II WIDE MEDIAN INTERSTATE ROUTES

#### MOBILIZED SHOULDER OPERATIONS

<b>DRAWING 530-02</b>	-	MOBILIZED SHOULDER OPERATIONS PEDESTRIAN WORKERS – MINOR ENCROACHMENT UPON PAVED SHOULDER INTERSTATE ROUTES
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**MOBILE OPERATIONS – INTERMITTENT**

- DRAWING 535-01-A** - MOBILE OPERATIONS – INTERMITTENT  
STOPPING SIGHT DISTANCE  
VEHICLE TRAIN REQUIREMENTS  
VERTICAL CURVE (HILL)
- DRAWING 535-01-B** - MOBILE OPERATIONS – INTERMITTENT  
STOPPING SIGHT DISTANCE  
VEHICLE TRAIN REQUIREMENTS  
HORIZONTAL CURVE (CURVE)
- DRAWING 535-04-D(1)** - MOBILE OPERATIONS – INTERMITTENT  
HIGH VOLUME  
HIGH SPEED  
INTERSTATE ROUTES
- DRAWING 535-04-E** - MOBILE OPERATIONS – INTERMITTENT  
HIGH VOLUME  
HIGH SPEED  
INTERIOR TRAVEL LANE OPERATIONS  
INTERSTATE ROUTES

**WORK DESCRIPTION 2 Dead Animals**

**TRAFFIC CONTROL**

**TWO-LANE TWO-WAY ROADWAYS**

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**TYPICAL DRAWING APPLICATIONS**

**MOBILE OPERATIONS – INTERMITTENT**

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STOPPING SIGHT DISTANCE  
VEHICLE TRAIN REQUIREMENTS  
VERTICAL CURVE (HILL)
- DRAWING 535-01-B** - MOBILE OPERATIONS – INTERMITTENT  
STOPPING SIGHT DISTANCE  
VEHICLE TRAIN REQUIREMENTS  
HORIZONTAL CURVE (CURVE)
- DRAWING 535-02-A** - MOBILE OPERATIONS – INTERMITTENT  
LOW VOLUME  
LOW SPEED
- DRAWING 535-02-B** - PRIMARY & SECONDARY ROUTES  
MOBILE OPERATIONS – INTERMITTENT  
LOW VOLUME  
INTERMEDIATE SPEED TO HIGH SPEED  
PRIMARY & SECONDARY ROUTES

- DRAWING 535-03-A** - MOBILE OPERATIONS – INTERMITTENT  
INTERMEDIATE VOLUME  
LOW SPEED  
PRIMARY & SECONDARY ROUTES
- DRAWING 535-03-B** - MOBILE OPERATIONS – INTERMITTENT  
INTERMEDIATE VOLUME  
INTERMEDIATE SPEED TO HIGH SPEED  
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- DRAWING 535-04-A** - MOBILE OPERATIONS – INTERMITTENT  
HIGH VOLUME  
LOW SPEED  
PRIMARY & SECONDARY ROUTES
- DRAWING 535-04-B** - MOBILE OPERATIONS – INTERMITTENT  
HIGH VOLUME  
LOW SPEED  
INTERIOR TRAVEL LANE OPERATIONS  
PRIMARY & SECONDARY ROUTES
- DRAWING 535-04-C** - MOBILE OPERATIONS – INTERMITTENT  
HIGH VOLUME  
INTERMEDIATE SPEED TO HIGH SPEED  
PRIMARY & SECONDARY ROUTES

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#### **TYPICAL DRAWING APPLICATIONS**

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VERTICAL CURVE (HILL)
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HIGH VOLUME  
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HIGH SPEED  
INTERSTATE ROUTES
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HIGH VOLUME  
HIGH SPEED  
INTERIOR TRAVEL LANE OPERATIONS  
INTERSTATE ROUTES

### WORK DESCRIPTION 3 Litter Bag Pickup

#### TRAFFIC CONTROL

##### TWO-LANE TWO-WAY ROADWAYS

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**DRAWING 535-04-C** - MOBILE OPERATIONS – INTERMITTENT  
HIGH VOLUME  
INTERMEDIATE SPEED TO HIGH SPEED  
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HORIZONTAL CURVE (CURVE)

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INTERMEDIATE VOLUME  
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INTERMEDIATE VOLUME  
INTERMEDIATE SPEED TO HIGH SPEED  
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INTERIOR TRAVEL LANE OPERATIONS  
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HIGH VOLUME  
INTERMEDIATE SPEED TO HIGH SPEED  
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