

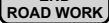




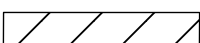


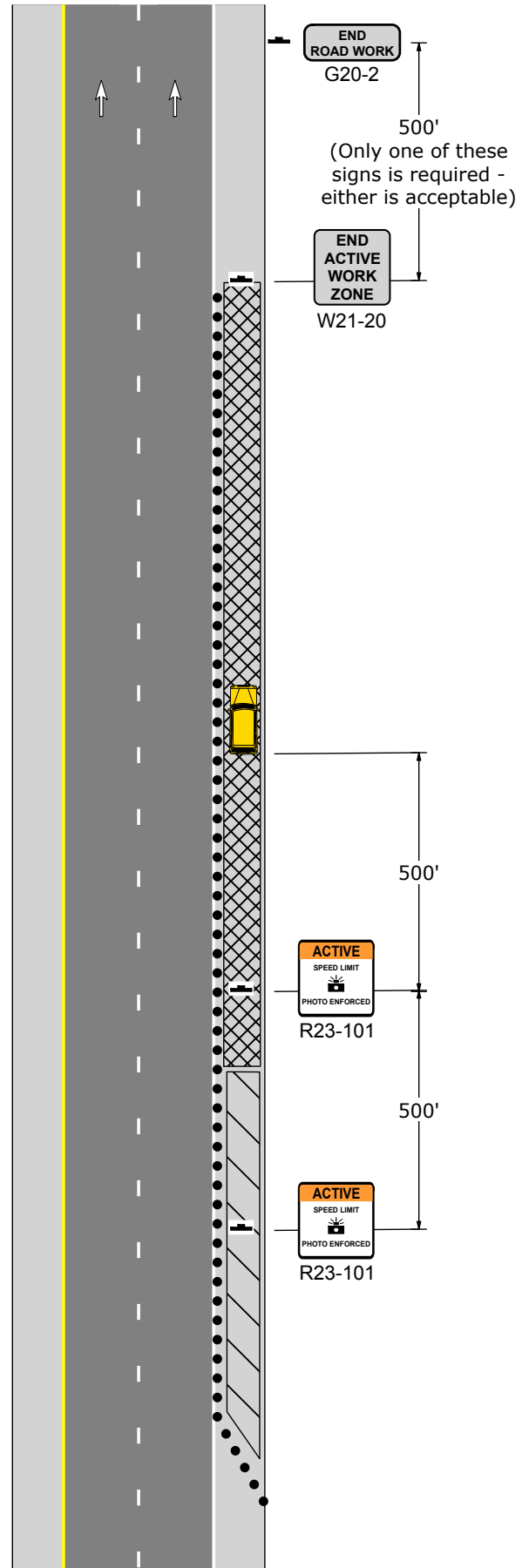
# Automated Speed Enforcement Systems In Active Work Zones Work Space On Shoulder - Freeways and Expressways

**Notes:**

1. This standard applies only to the Automated Work Zone Speed Enforcement (AWZSE) vendor once an active work zone has been established. This standard applies only for the placement of signing required for the AWZSE vendor operator. All signs shown as "greyscale" are provided by the Department or the Department's contractor and are included in a pre-selected Publication 213 PATA figure, a Department's approved Traffic Control Plan (TCP) or, additional signing installed at the direction of the Department. The AWZSE vendor operator will verify any reduced work zone speed limit signing along with the required signing signifying the end of the active work zone are in place prior to beginning automated speed enforcement.
2. Distances shown for placement of AWZSE signing are minimum requirements and may be adjusted to fit field condition. The AWZSE vendor operator will coordinate with the Department's representative or the Department's contractor as indicated in Section 105.07 of Publication 408.
3. Prior to beginning or ending any automated speed enforcement, the AWZSE vendor operator will contact the State Traffic Management Center (STMC) at 717.346.4400 to provide notification that automated speed enforcement will be commencing.
4. The AWZSE vendor operator will complete the field deployment field verification prior to beginning any automated speed enforcement.
5. Prior to and during automated speed enforcement, the AWZSE vendor's operator will maintain communication with the Department representative and/or with the Department's contractor representative to communicate worker presence, work area activities and all arrival and departure times of the vendor's operator during automated speed enforcement.
6. The Speed Enforcement Device/Vehicle will be placed within or adjacent to the active work zone and at a location where the minimum roll-ahead distance for the shadow vehicle with a TMA will not be obstructed. AWZSE signing will be placed so that they are not obstructed by a Shadow Vehicle with TMA and not placed within the roll-ahead space as defined in Publication 213. Shadow vehicles with TMAs are furnished by the Department or the Department's contractor.

*Legend*

Item	Description
	Signing required to be provided and installed by AWZSE Vendor
 or 	Signing required to be provided and installed by Primary Contractor or PennDOT Maintenance
	Channelizing Devices
	Sign support
	Speed Enforcement Device/Vehicle with identifying sign provided and installed by AWZSE Vendor
	Active Work Zone
	Transition Area, Buffer Space, Shadow Vehicle with TMA and Roll Ahead Space



# Automated Speed Enforcement Systems In Active Work Zones Work Space In Right Lane - Freeways and Expressways

**Notes:**

1. This standard applies only to the Automated Work Zone Speed Enforcement (AWZSE) vendor once an active work zone has been established. This standard applies only for the placement of signing required for the AWZSE vendor operator. All signs shown as "greyscale" are provided by the Department or the Department's contractor and are included in a pre-selected Publication 213 PATA figure, a Department's approved Traffic Control Plan (TCP) or, additional signing installed at the direction of the Department. The AWZSE vendor operator will verify any reduced work zone speed limit signing along with the required signing signifying the end of the active work zone are in place prior to beginning automated speed enforcement.

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
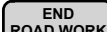




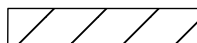
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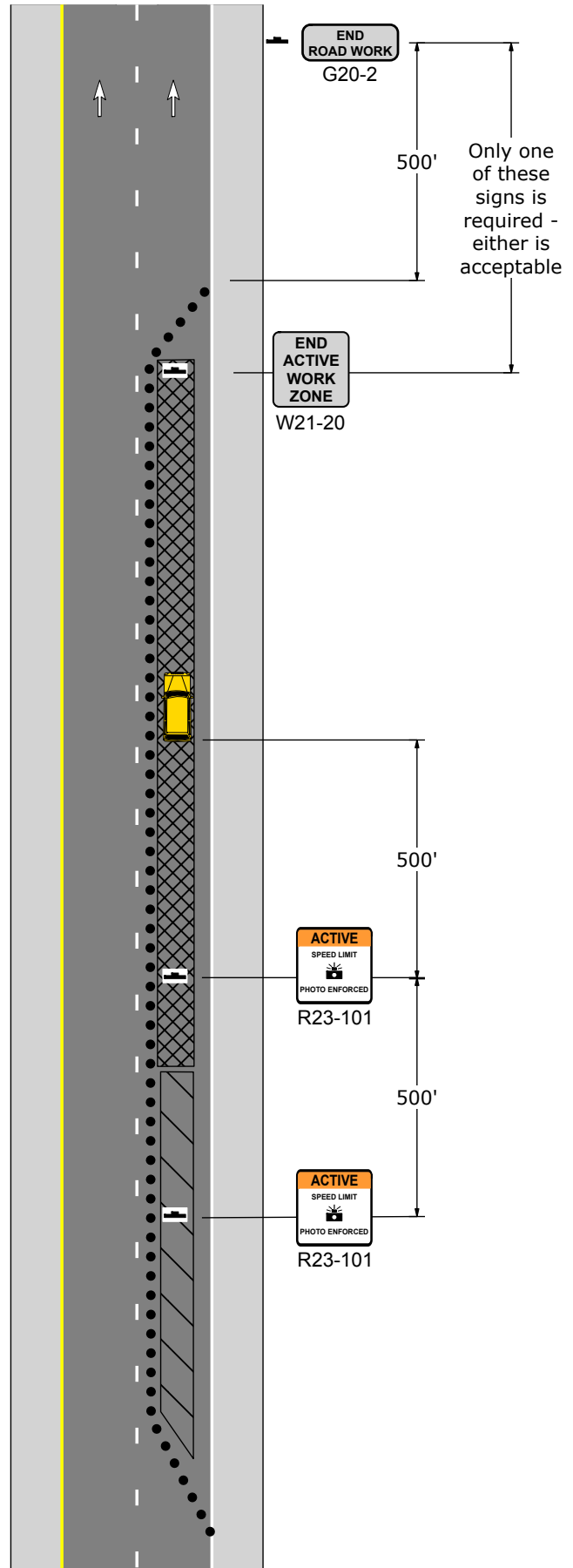
4. The AWZSE vendor operator will complete the field deployment field verification prior to beginning any automated speed enforcement.

5. Prior to and during automated speed enforcement, the AWZSE vendor's operator will maintain communication with the Department representative and/or with the Department's contractor representative to communicate worker presence, work area activities and all arrival and departure times of the vendor's operator during automated speed enforcement.

6. The Speed Enforcement Device/Vehicle will be placed within or adjacent to the active work zone and at a location where the minimum roll-ahead distance for the shadow vehicle with a TMA will not be obstructed. AWZSE signing will be placed so that they are not obstructed by a Shadow Vehicle with TMA and not placed within the roll-ahead space as defined in Publication 213. Shadow vehicles with TMAs are furnished by the Department or the Department's contractor.

*Legend*

Item	Description
	Signing required to be provided and installed by AWZSE Vendor
 or 	Signing required to be provided and installed by Primary Contractor or PennDOT Maintenance
	Channelizing Devices
	Sign support
	Speed Enforcement Device/Vehicle with identifying sign provided and installed by AWZSE Vendor
	Active Work Zone
	Transition Area, Buffer Space, Shadow Vehicle with TMA and Roll Ahead Space



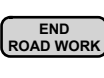






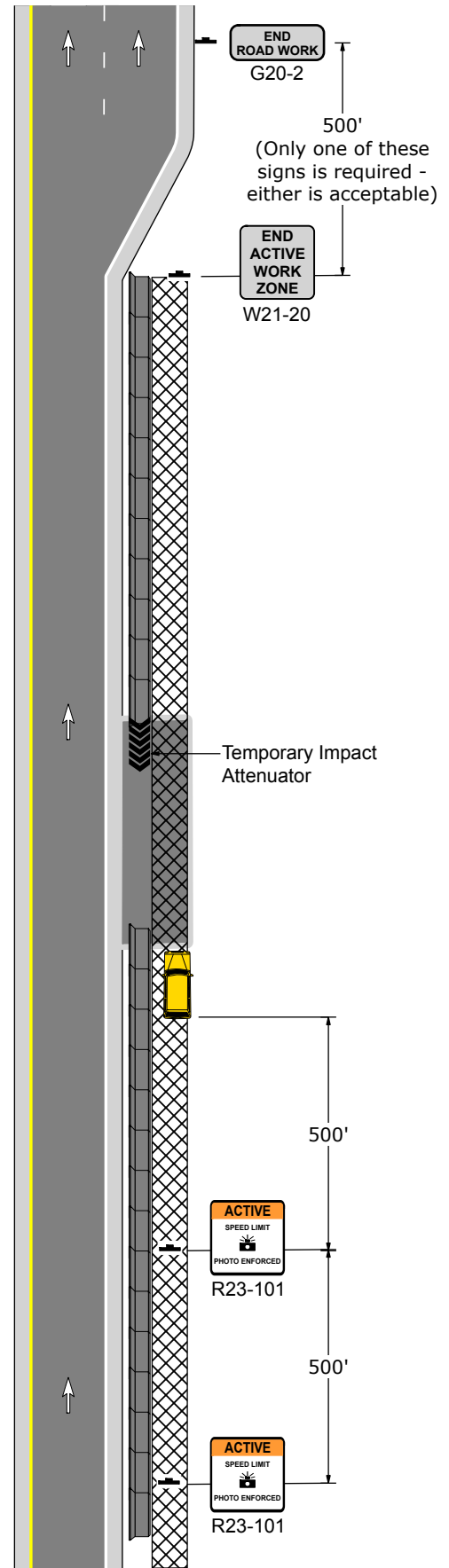
## AWZSE Long-Term Lane/Shoulder Closure with Barrier near Construction Vehicle Access Point

**Notes:**

1. This standard applies only to the Automated Work Zone Speed Enforcement (AWZSE) vendor once an active work zone has been established. This standard applies only for the placement of signing required for the AWZSE vendor operator. All signs shown as "greyscale" are provided by the Department or the Department's contractor and are included in a pre-selected Publication 213 PATA figure, a Department's approved Traffic Control Plan (TCP) or, additional signing installed at the direction of the Department. The AWZSE vendor operator will verify any reduced work zone speed limit signing along with the required signing signifying the end of the active work zone are in place prior to beginning automated speed enforcement.
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4. The AWZSE vendor operator will complete the field deployment field verification prior to beginning any automated speed enforcement.
5. Prior to and during automated speed enforcement, the AWZSE vendor's operator will maintain communication with the Department representative and/or with the Department's contractor representative to communicate worker presence, work area activities and all arrival and departure times of the vendor's operator during automated speed enforcement.
6. Signing placed for AWZSE will be installed on temporary sign supports that ensure they will be visible to approaching road users. Signs must be placed at a sufficient height so that they will not be obstructed by temporary barrier and/or temporary glare screen.
7. For projects that include emergency pull-offs or temporary construction entrances, the AWZSE vendor will coordinate placement of the speed enforcement device/vehicle and the required signing for AWZSE with the Department's representative and/or the Department's contractor representative prior to deployment.

*Legend*

Item	Description
	Signing required to be provided and installed by AWZSE Vendor
 or 	Signing required to be provided and installed by Primary Contractor or PennDOT Maintenance
	Temporary Barrier
	Sign support
	Speed Enforcement Device/Vehicle with identifying sign provided and installed by AWZSE Vendor
	Active Work Zone



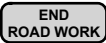






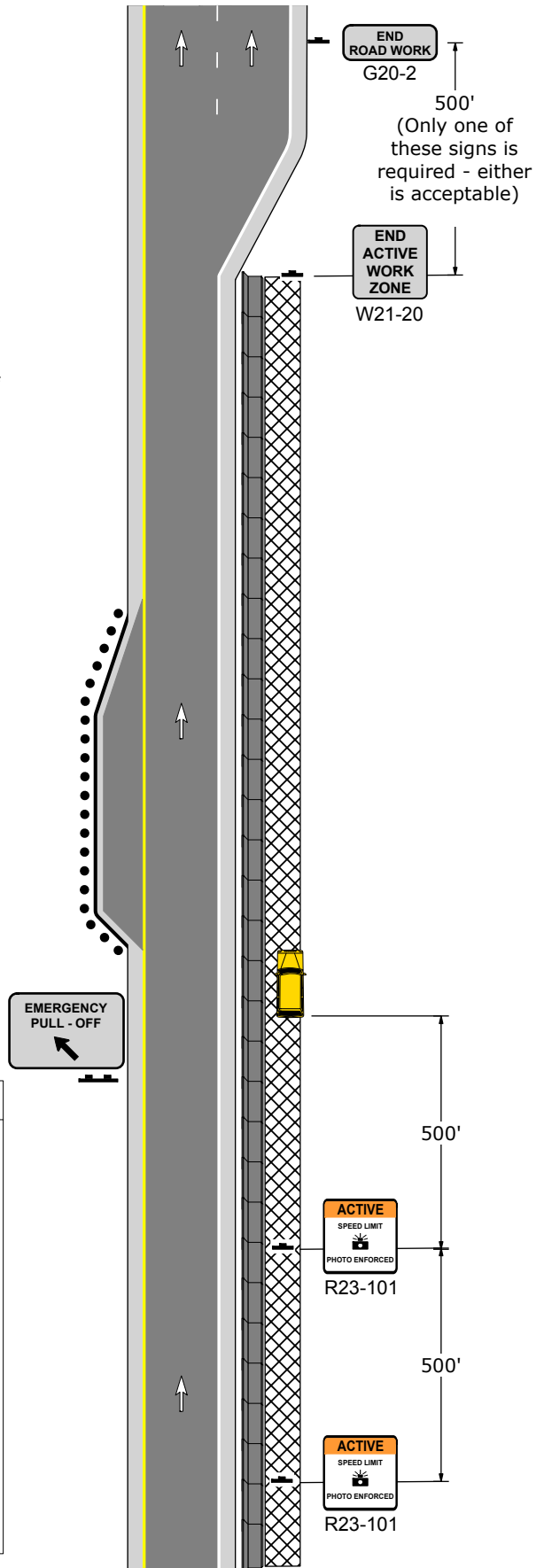
## AWZSE Long-Term Lane/Shoulder Closure with Barrier near Emergency Pull-Off

**Notes:**

1. This standard applies only to the Automated Work Zone Speed Enforcement (AWZSE) vendor once an active work zone has been established. This standard applies only for the placement of signing required for the AWZSE vendor operator. All signs shown as "greyscale" are provided by the Department or the Department's contractor and are included in a pre-selected Publication 213 PATA figure, a Department's approved Traffic Control Plan (TCP) or, additional signing installed at the direction of the Department. The AWZSE vendor operator will verify any reduced work zone speed limit signing along with the required signing signifying the end of the active work zone are in place prior to beginning automated speed enforcement.
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6. Signing placed for AWZSE will be installed on temporary sign supports that ensure they will be visible to approaching road users. Signs must be placed at a sufficient height so that they will not be obstructed by temporary barrier and/or temporary glare screen.
7. For projects that include emergency pull-offs or temporary construction entrances, the AWZSE vendor will coordinate placement of the speed enforcement device/vehicle and the required signing for AWZSE with the Department's representative and/or the Department's contractor representative prior to deployment.

*Legend*

Item	Description
	Signing required to be provided and installed by AWZSE Vendor
 <span style="font-size: 2em; vertical-align: middle;">OR</span> 	Signing required to be provided and installed by Primary Contractor or PennDOT Maintenance
	Temporary Barrier
	Sign support
	Speed Enforcement Device/Vehicle with identifying sign provided and installed by AWZSE Vendor
	Active Work Zone



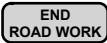






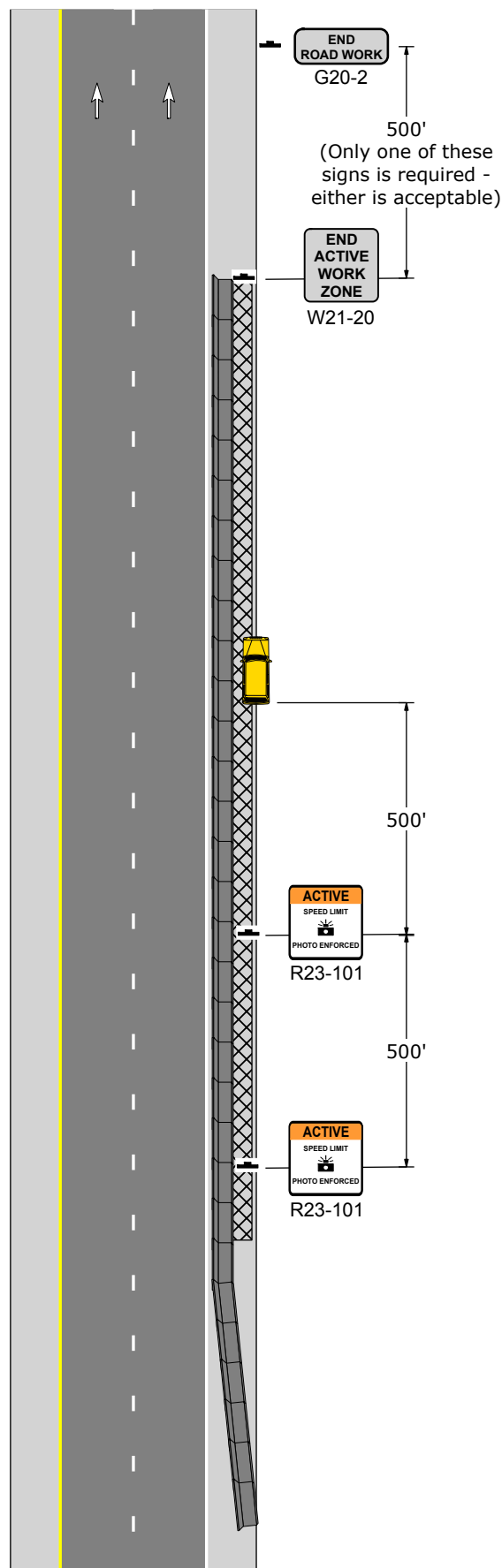
## Automated Speed Enforcement Systems In Active Work Zones Shoulder Closure - All Work Behind Traffic Barrier - Freeways and Expressways

**Notes:**

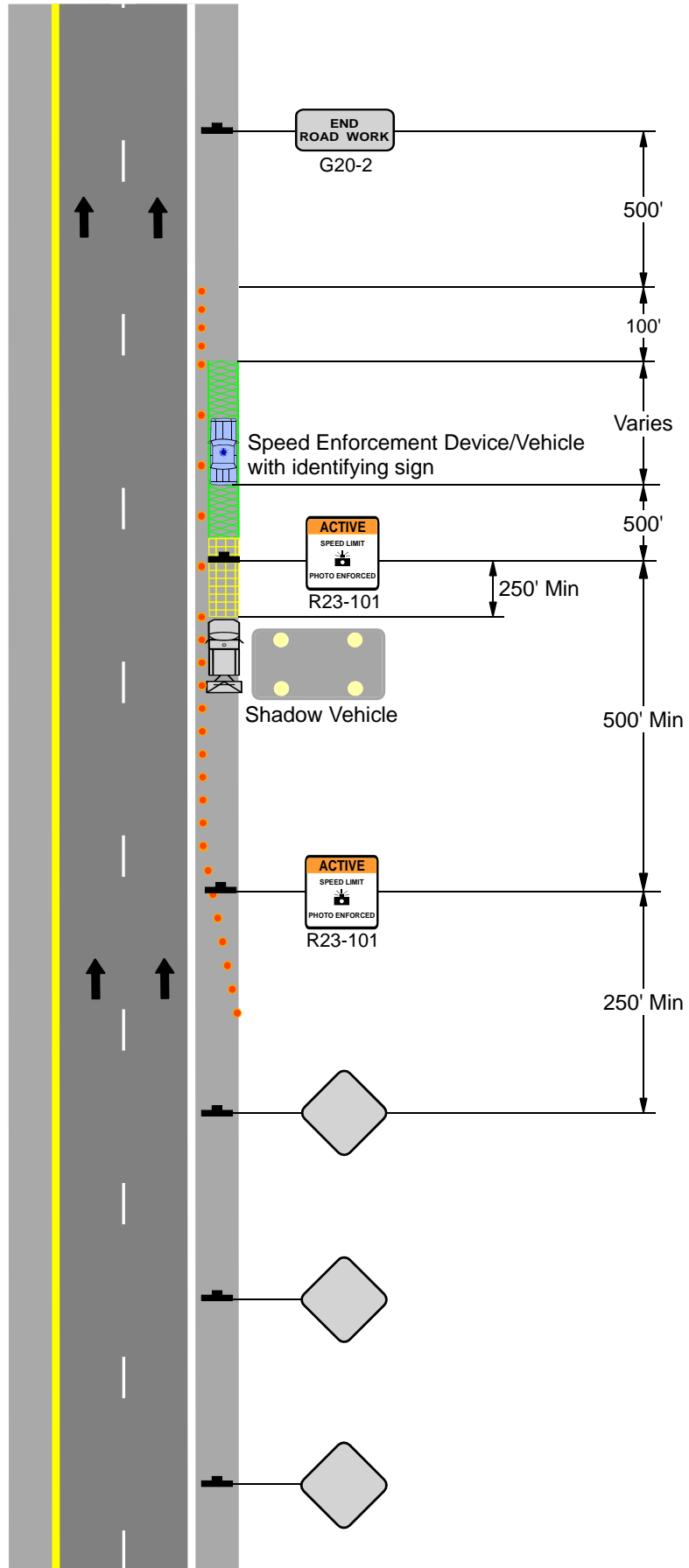
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5. Prior to and during automated speed enforcement, the AWZSE vendor's operator will maintain communication with the Department representative and/or with the Department's contractor representative to communicate worker presence, work area activities and all arrival and departure times of the vendor's operator during automated speed enforcement.
6. Signing placed for AWZSE will be installed on temporary sign supports that ensure they will be visible to approaching road users. Signs must be placed at a sufficient height so that they will not be obstructed by temporary barrier and/or temporary glare screen.
7. For projects that include emergency pull-offs or temporary construction entrances, the AWZSE vendor will coordinate placement of the speed enforcement device/vehicle and the required signing for AWZSE with the Department's representative and/or the Department's contractor representative prior to deployment.

*Legend*

Item	Description
	Signing required to be provided and installed by AWZSE Vendor
 or 	Signing required to be provided and installed by Primary Contractor or PennDOT Maintenance
	Temporary Barrier
	Sign support
	Speed Enforcement Device/Vehicle with identifying sign provided and installed by AWZSE Vendor
	Active Work Zone



**PTS 011**  
**AWZSE Shoulder Closure with Channelizing Devices**

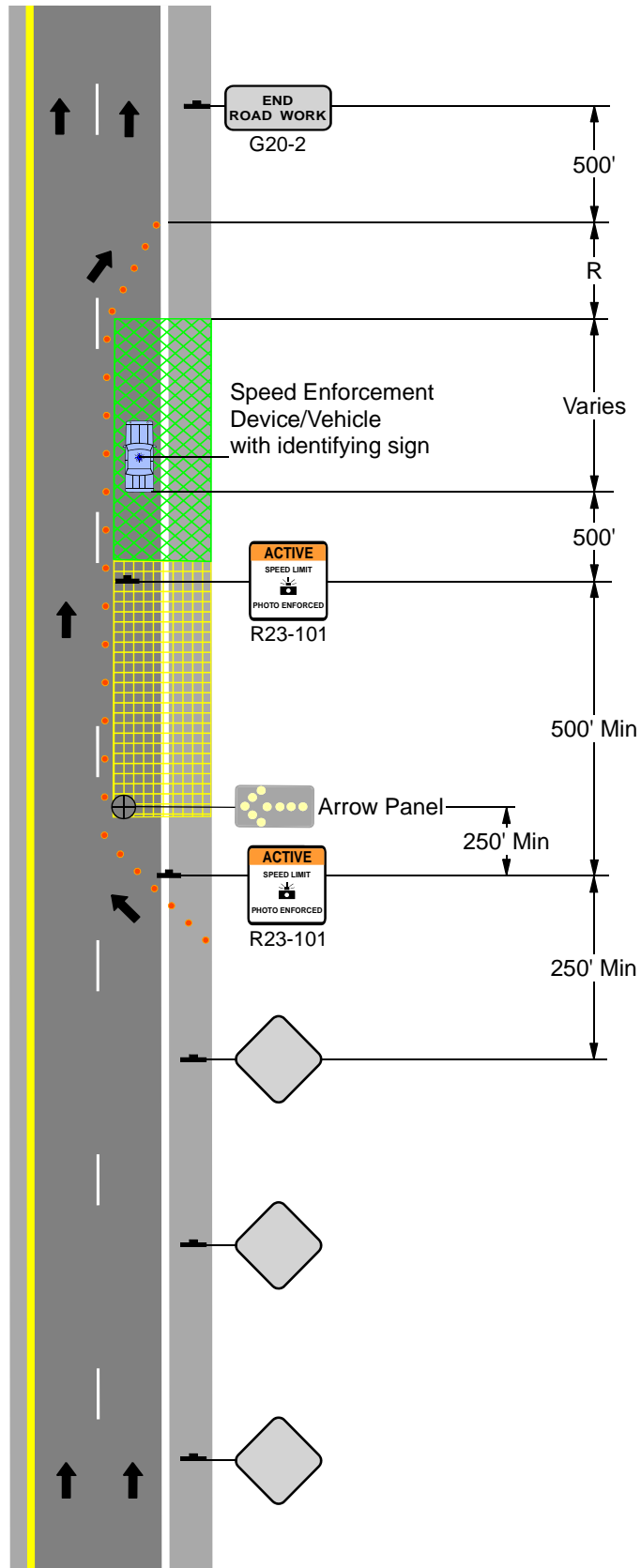


**NOTE:**  
 Provide minimum 250 feet spacing between R23-101 and adjacent signs. This standard is for the positioning and dimensioning of AWZSE unit and signing only. R23-101 signs and Speed Enforcement Device/Vehicle with identifying sign will be furnished, installed, maintained, and removed by AWZSE contracted System Administrator. R23-101 sign is not required to be located within the buffer zone, but minimum distance from Speed Enforcement Device/Vehicle must be maintained. All other traffic control will be per the appropriate standard.

**PTS 012**  
**AWZSE Lane Closure(s) with Channelizing Devices**

*Distance Chart*

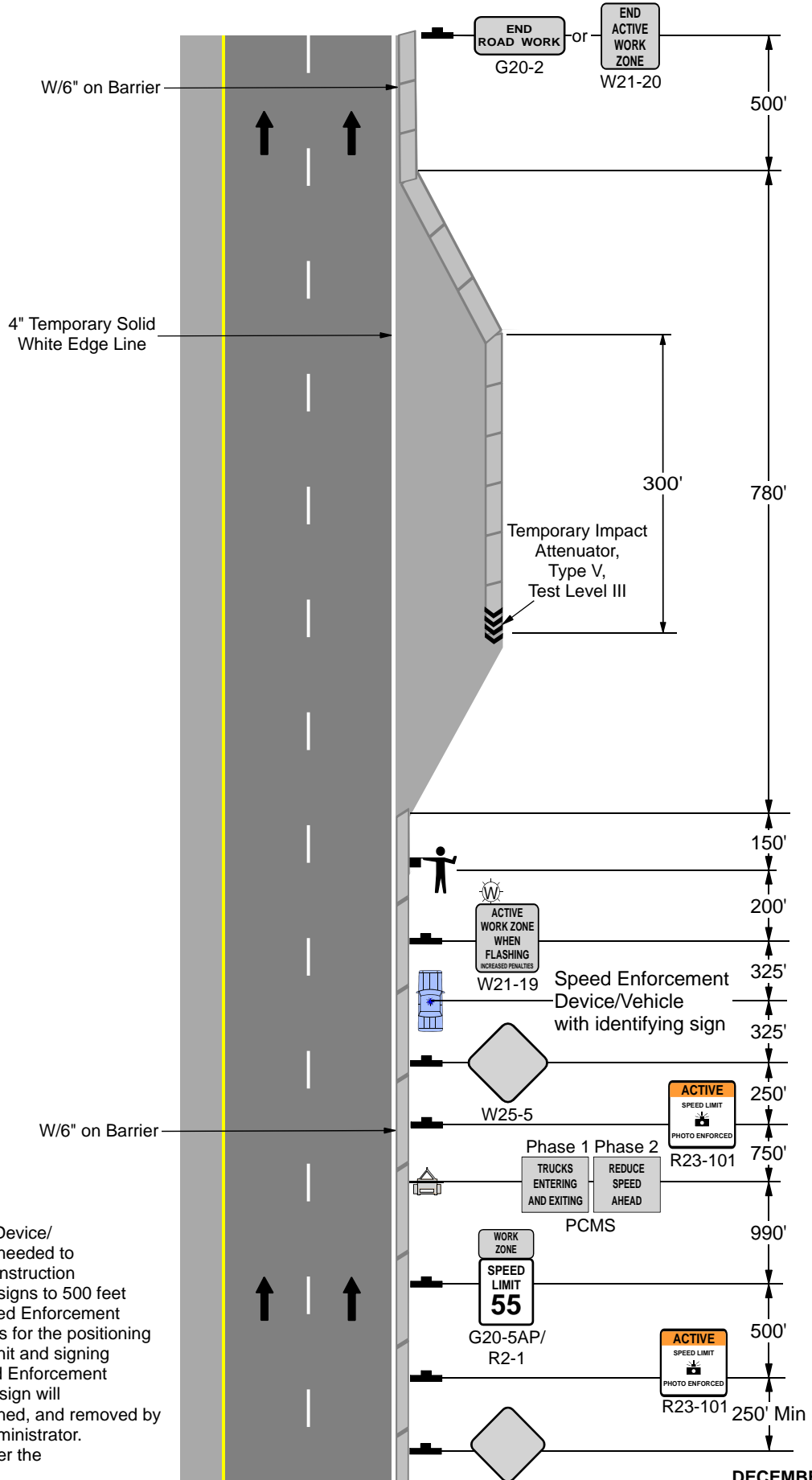
Lane(s) Closed	R (FEET)
1	100
2	100



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 Provide minimum 250 feet spacing between R23-101 and adjacent signs. This standard is for the positioning and dimensioning of AWZSE unit and signing only. R23-101 signs and Speed Enforcement Device/Vehicle with identifying sign will be furnished, installed, maintained, and removed by AWZSE contracted System Administrator. R23-101 sign is not required to be located within the buffer zone, but minimum distance from Speed Enforcement Device/Vehicle must be maintained. All other traffic control will be per the appropriate standard.

PTS 013

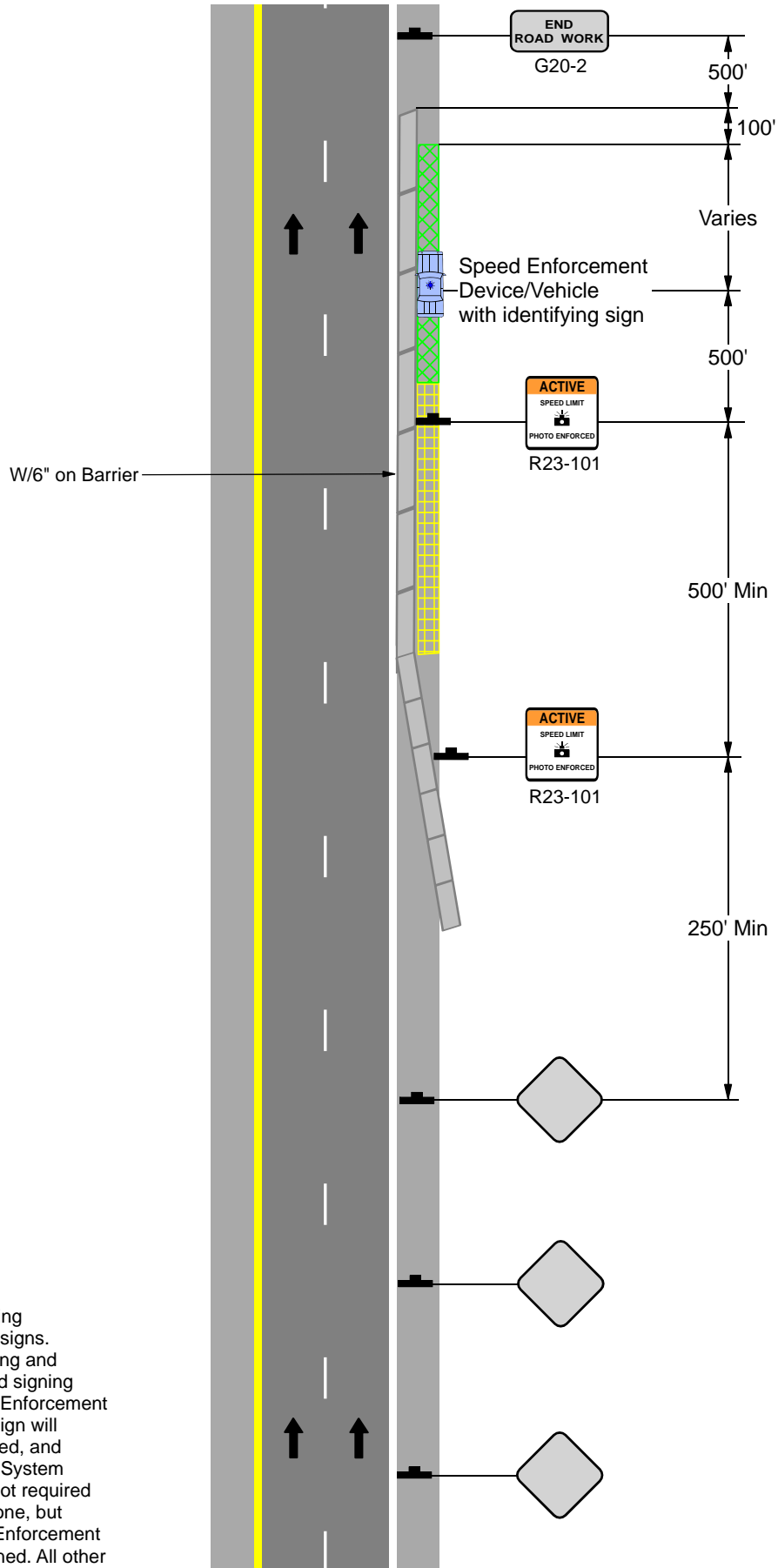
AWZSE Long-Term Shoulder Closure with Barrier near  
Emergency Pull-Off/Construction Access Point



NOTE:  
Relocate Speed Enforcement Device/  
Vehicle and R23-101 signs as needed to  
not interfere with flagging or construction  
operations. Relocate R23-101 signs to 500 feet  
and 1,000 feet prior to the Speed Enforcement  
Vehicle/Device. This standard is for the positioning  
and dimensioning of AWZSE unit and signing  
only. R23-101 signs and Speed Enforcement  
Device/Vehicle with identifying sign will  
be furnished, installed, maintained, and removed by  
AWZSE contracted System Administrator.  
All other traffic control will be per the  
appropriate standard.



**PTS 014**  
**AWZSE Long-Term Shoulder Closure with Barrier**



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 Provide minimum 250 feet spacing between R23-101 and adjacent signs. This standard is for the positioning and dimensioning of AWZSE unit and signing only. R23-101 signs and Speed Enforcement Device/Vehicle with identifying sign will be furnished, installed, maintained, and removed by AWZSE contracted System Administrator. R23-101 sign is not required to be located within the buffer zone, but minimum distance from Speed Enforcement Device/Vehicle must be maintained. All other traffic control will be per the appropriate standard.