

DRAWN BY: ELENA BRUNSTEIN

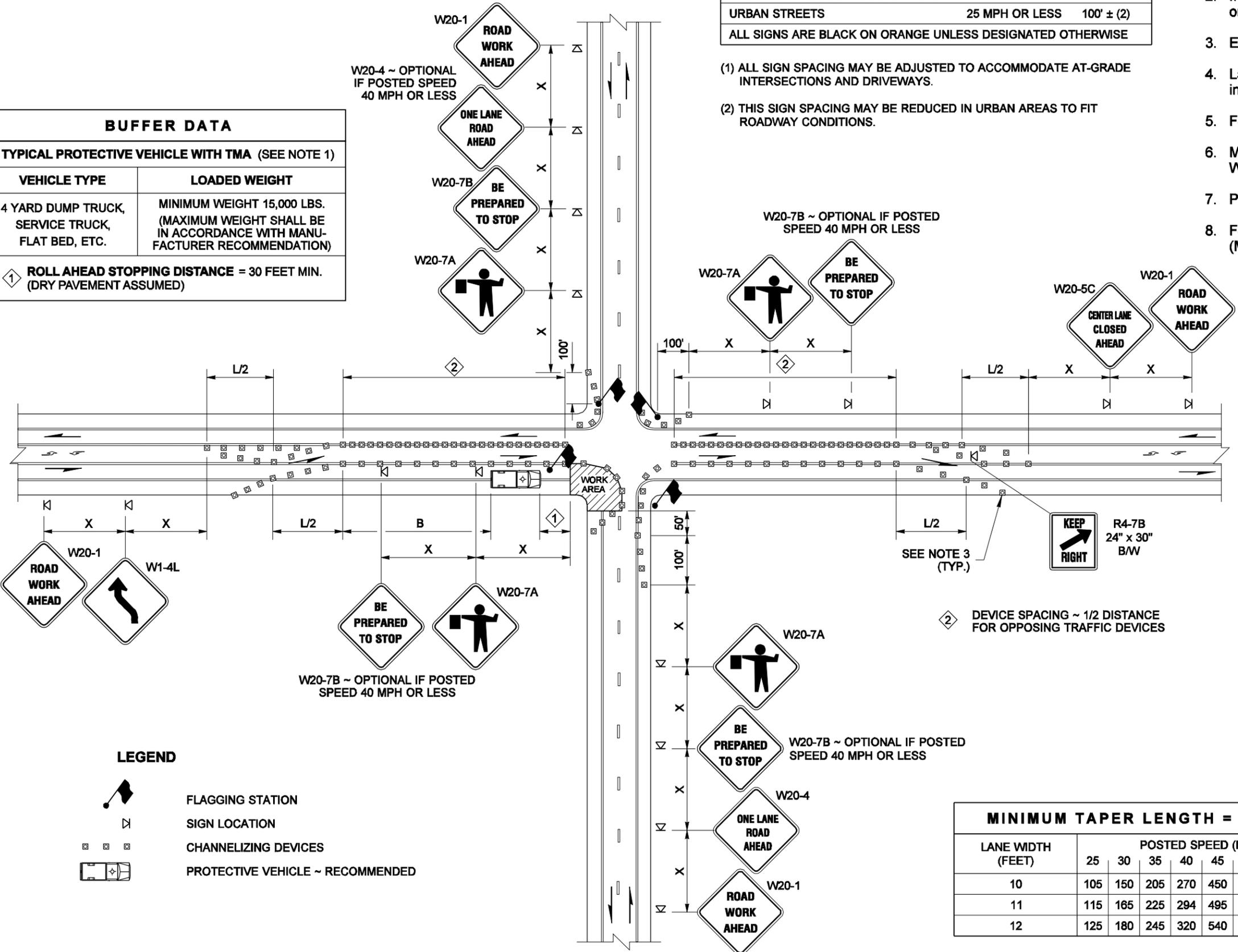
| LONGITUDINAL BUFFER SPACE = B | | | | | | | | |
|-------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|
| POSTED SPEED (MPH) | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 |
| LENGTH B (FEET) | 155 | 200 | 250 | 305 | 360 | 425 | 495 | 570 |

| SIGN SPACING = X (1) | | |
|--|----------------|------------|
| RURAL HIGHWAYS | 60 / 65 MPH | 800' ± |
| RURAL ROADS | 45 / 55 MPH | 500' ± |
| RURAL ROADS & URBAN ARTERIALS | 35 / 40 MPH | 350' ± |
| RURAL ROADS, URBAN ARTERIALS, RESIDENTIAL & BUSINESS DISTRICTS | 25 / 30 MPH | 200' ± (2) |
| URBAN STREETS | 25 MPH OR LESS | 100' ± (2) |
| ALL SIGNS ARE BLACK ON ORANGE UNLESS DESIGNATED OTHERWISE | | |

NOTES

1. A Protective Vehicle is recommended regardless if a Truck Mounted Attenuator (TMA) is available; a work vehicle may be used. When no TMA is used, the Protective Vehicle shall be strategically located to shield workers, with no specific Roll-Ahead distance.
2. If an existing signal is present, the signal shall be set to "red flash mode" or turned off during flagging operations.
3. Extend device taper (L/3) across shoulder ~ recommended.
4. Law enforcement officer may be used in lieu of flaggers to control intersection traffic.
5. For speed limit of 30 mph or less use sign W1-3 in lieu of sign W1-4.
6. Maintain a minimum of one access point for each business within the Work Area limits.
7. Portable Changeable Message Sign (PCMS) ~ recommended.
8. For signs size refer to Manual on Uniform Traffic Control Devices (MUTCD) and WSDOT Sign Fabrication Manual M55-05.

| BUFFER DATA | |
|--|---|
| TYPICAL PROTECTIVE VEHICLE WITH TMA (SEE NOTE 1) | |
| VEHICLE TYPE | LOADED WEIGHT |
| 4 YARD DUMP TRUCK, SERVICE TRUCK, FLAT BED, ETC. | MINIMUM WEIGHT 15,000 LBS. (MAXIMUM WEIGHT SHALL BE IN ACCORDANCE WITH MANUFACTURER RECOMMENDATION) |
| ① ROLL AHEAD STOPPING DISTANCE = 30 FEET MIN. (DRY PAVEMENT ASSUMED) | |



| CHANNELIZING DEVICE SPACING | | |
|-----------------------------|-----------------|-------------------|
| POSTED SPEED (MPH) | IN TAPER (FEET) | IN TANGENT (FEET) |
| 50 / 70 | 40 | 80 |
| 35 / 45 | 30 | 60 |
| 25 / 30 | 20 | 40 |

**FOR LOCAL AGENCY USE ONLY
NOT FOR USE ON STATE ROUTES**



EXPIRES AUGUST 9, 2007

NOTE: THIS PLAN IS NOT A LEGAL ENGINEERING DOCUMENT BUT AN ELECTRONIC DUPLICATE. THE ORIGINAL, SIGNED BY THE ENGINEER AND APPROVED FOR PUBLICATION, IS KEPT ON FILE AT THE WASHINGTON STATE DEPARTMENT OF TRANSPORTATION. A COPY MAY BE OBTAINED UPON REQUEST.

INTERSECTION ~ LANE SHIFT ON THREE LANE TWO-WAY LEFT TURN LANE STANDARD PLAN K-30.20-00

SHEET 1 OF 1 SHEET

APPROVED FOR PUBLICATION

Ken L. Smith 02-15-07
STATE DESIGN ENGINEER DATE



| MINIMUM TAPER LENGTH = L (FEET) | | | | | | | | |
|---------------------------------|--------------------|-----|-----|-----|-----|-----|-----|-----|
| LANE WIDTH (FEET) | POSTED SPEED (MPH) | | | | | | | |
| | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 |
| 10 | 105 | 150 | 205 | 270 | 450 | 500 | 550 | - |
| 11 | 115 | 165 | 225 | 294 | 495 | 550 | 605 | 660 |
| 12 | 125 | 180 | 245 | 320 | 540 | 600 | 660 | 720 |

② DEVICE SPACING ~ 1/2 DISTANCE FOR OPPOSING TRAFFIC DEVICES