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<th>700</th>
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<td>701</td>
<td>Traffic Control Plan-2 Lane Roadway, One Lane Closed with Alternating One-way Traffic</td>
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<td>702</td>
<td>Traffic Control Plan-2 Lane Roadway, Partial Lane Closure</td>
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<td>703</td>
<td>Traffic Control Plan-Shoulder Work</td>
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<td>704</td>
<td>Traffic Control Plan-5 Lane Roadway, Right Lane Closed</td>
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<tr>
<td>705</td>
<td>Traffic Control Plan-5 Lane Roadway, Intersection with Left Turn Lane Closed</td>
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<td>Traffic Control Plan-Center of Intersection Work</td>
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<td>707</td>
<td>Traffic Control Plan-5 Lane Roadway, Left Lane Closed Far Side of Intersection</td>
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<td>Traffic Control Plan-5 Lane Roadway, Full Street Closure Far Side of Intersection</td>
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<td>Traffic Control Plan-5 Lane Roadway, Multi-lane Closure</td>
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<td>Traffic Control Plan-2 Way Left Turn Lane Closure</td>
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<td>Traffic Control Plan-5 Lane Roadway with Left Lane Closed</td>
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<td>713</td>
<td>Traffic Control Devices</td>
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<td>714</td>
<td>Project/Construction Identification</td>
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<td>Street Name Sign Post, 2&quot; Square</td>
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<td>Traffic Sign Post Installation</td>
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<td>Traffic Sign Installation</td>
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<tr>
<td>718</td>
<td>Mast Arm Mounted Street Name, Size and Mounting Details</td>
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<td>Post Mounted Street Sign</td>
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<td>720</td>
<td>Roadway Striping Details</td>
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<td>721</td>
<td>Typical Stop Line and Crosswalk Layout</td>
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<td>722</td>
<td>Turn Pocket Detail</td>
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<td>Transit Stop Striping</td>
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<td>Access Parking Space Symbol</td>
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<td>Raised Pavement Markers (RPM) Lane Details</td>
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<td>726</td>
<td>Pedestrian Control Plan Crosswalk Closure &amp; Sidewalk Detour</td>
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**NOTES**

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2. FLASHING BEACON INSTALLED AT EACH SIGN FOR NIGHT-TIME USE (OPTIONAL).

3. DISTANCES MAY VARY AS APPROVED BY THE ENGINEER.

4. SIGN SIZE PER MUTCD.

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**LEGEND**

- CONE OR CHANNELIZING DEVICE SEE STANDARD DRAWING 713.
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5. FOR ALTERNATE LANE SHIFT WIDTH REFER TO "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (MUTCD) TABLE 6C-2 PAGE 6C-10.
6. SIGN SIZE PER MUTCD.
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W20-1 WORK AREA
W5-1 ROAD WORK AHEAD
W1-4L ROAD WORK AHEAD
W1-4L ROAD NARROWS
W20-1 ROAD WORK AHEAD
W20-1 WORK AREA

SEE NOTE 1
SEE NOTE 1
SEE NOTE 1
SEE NOTE 1
1. Distance between signs shall be 100' for residential streets (25 MPH) and 350' for arterial roadways.
2. Flashing beacon installed at each sign for night-time use (optional).
3. Distances may vary as approved by the engineer.
4. Spotters required whenever the contractor must interrupt traffic flow to access the work site with materials or equipment (flagging requires 3 or 4 sign setup).
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**NOTES**

**LEGEND**

- Cone or Channelizing device see standard drawing 713.
TRUCK WITH FLASHING BEACON

BUFFER SPACE (SEE TABLE A)

TAPE LENGTH (SEE TABLE A)

SEE NOTE 1

SEE NOTE 1

SEE NOTE 1

ROLL SPACING
(MIN 50' MAX 100')

WORK AREA

NOTES

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<td>25</td>
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<tr>
<td>30</td>
<td>38'</td>
<td>45'</td>
<td>30</td>
</tr>
<tr>
<td>35</td>
<td>51'</td>
<td>61'</td>
<td>35</td>
</tr>
<tr>
<td>40</td>
<td>67'</td>
<td>80'</td>
<td>40</td>
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<tr>
<td>45</td>
<td>113'</td>
<td>135'</td>
<td>45</td>
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</table>
1. This plan is provided as a guide only. For specific information on traffic control plans see current MUTCD.

2. See Figure 6F-2 of the MUTCD for other methods of mounting signs other than on posts.

3. For additional information regarding barricades and channelizing devices see Figure 6F-4 in MUTCD.

<table>
<thead>
<tr>
<th>Notes</th>
<th>Dimensions</th>
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<tbody>
<tr>
<td>High Level Warning Device</td>
<td>Ø8' Min</td>
</tr>
<tr>
<td>Galvanized Metal Typical</td>
<td>Ø4&quot; Min</td>
</tr>
<tr>
<td>Orange Typical</td>
<td>Ø3&quot; Min</td>
</tr>
<tr>
<td>White Retro Reflective Tape Typical</td>
<td>36&quot;</td>
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<tr>
<td>Orange Typical</td>
<td>28&quot; Min</td>
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<th>Ordinary Materials</th>
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<tr>
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<tr>
<td>Yellow Flasher (Optional)</td>
<td>36&quot;</td>
</tr>
<tr>
<td>Black Text</td>
<td>24&quot;</td>
</tr>
<tr>
<td>Galvanized Metal Typical</td>
<td>4&quot; Min</td>
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<tr>
<td>4&quot; De-Stripe</td>
<td>6&quot;</td>
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<tr>
<th>Symbols</th>
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<td>24&quot;</td>
</tr>
<tr>
<td>Galvanized Metal Typical</td>
<td>4&quot; Min</td>
</tr>
</tbody>
</table>
1. PROJECT INFORMATION SIGN SHALL BE A REMOVABLE METAL PLATE, SHEET ALUMINUM, 0.080 GAUGE, WITH 2 COATS OF INDUSTRIAL GRADE ENAMEL, 1-SHOT, COLOR 101-L WHITE OR EQUAL.

2. LETTERING SHALL BE 1 SHOT, COLOR 144-L MED. GREEN OR EQUAL. INFORMATION TO BE PROVIDED BY THE ENGINEER AND USED ON THE SIGN IN A STYLE AND MANNER CONSISTENT WITH LETTERING ON CONSTRUCTION IDENTIFICATION SIGN.

3. REMOVABLE PORTION OF SIGN SHALL BE ATTACHED TO WOODEN SIGN WITH FOUR(4) 1-1/2"X1/4" STAINLESS STEEL BOLTS WITH NUTS.

4. WOOD FRAME CONSTRUCTED WITH 4"x4" TREATED FIR LUMBER WITH GALVANIZED STEEL LAG BOLTS.

5. USE SANDBAGS ON BASE OF FRAME TO PREVENT OVERTURNING BY WIND GUSTS.

6. FINISHED FRAME TO BE PAINTED WITH WHITE EXTERIOR ENAMEL (2 COATS).

7. SIGN BOARD SHALL BE DURA-PLY, M.D.O. OR EQUAL, WITH 2 COATS OF EXTERIOR PRIMER-SEALER PLUS 2 COATS OF INDUSTRIAL GRADE ENAMEL, 1-SHOT, COLOR 101-L WHITE OR EQUAL. BORDER AND LETTERING SHALL BE 1-SHOT, COLOR 144-L MED. GREEN OR EQUAL FONT STYLE SHALL BE “ARIAL NARROW”. LOGO TO BE SUPPLIED BY THE CITY OF EVERETT. SIGN AND COLORS TO BE APPROVED BY THE ENGINEER.

8. “PROJECT INFORMATION SIGN” INFORMATION TO BE PROVIDED BY THE ENGINEER.
### Typical Street Name Sign Mounting

**Street Name Arm Section**

- Quick Punch Post: 2"x2"x12" typ. (min 10'), 14 gauge steel solid wall look, knockout holes where necessary.
- 5/15" Corner Bolt and Heavy Hex Jam Nut
- Aluminum Jumbo Hammer Rivet with 1" dia. head, no washer

**Front View**

- 2"SQ Post
- Post Cap Assembly: "Zumar Industries Inc" (#812EX90X or Approved Equivalent)
- 4 Set Screws per Cap

**Side View**

- 2"SQ Post
- Post Cap Assembly: "Zumar Industries Inc" (#812EX25Q or Approved Equivalent)
- 4 Set Screws per Cap

**Notes**

1. All new sign installations shall use 2" square tube posts.

**Typical Section**

- Cross Blade
- Long Cap (12") for 2" square tube post.
- Commercial Concrete
- Anchor burial depth: 24" to 27"
- 7' Min. mounting height

**Typical Street Name Sign Mounting**

- See Street Name Sign Standard Drawing 718
- 3/4" x 1/4" Stainless Steel Washer
- 1/4" Dia. Threaded Hole
- 1/4" x 3/4" Hex Drive SS Bolt
- 4 Set Screws per Cap

**Post Cap Assembly**

- "Zumar Industries Inc" (#812EX90X or Approved Equivalent)

**Heavy Duty Telespar 7 Gauge Anchor for 2" Post**

- ASTM Specification A653, Hot Dip Galvanized Conforming to Coating Designation G-90 2.5"x2.5"x30" post, wall thickness is 3/16". Drill (2) holes 5/8" dia. at one end, 1" down, one on each adjacent side on center for the corner bolt. See standard drawing 716.
TYPICAL SIGN INSTALLATION HEIGHTS

STEEL BASE PLATE SECTION

NOTES
1. STANDARD STOP SIGNS SHALL BE 30"X30" PER MUTCD #R1-1 UNLESS OTHERWISE APPROVED OR DIRECTED BY CITY OF EVERETT TRAFFIC ENGINEER.
2. STREET NAME SIGNS SHALL BE INSTALLED AT TOP OF POST. SEE STANDARD DRAWING 715.
3. ALL NEW SIGN INSTALLATIONS SHALL USE 2" SQUARE TUBE POSTS.
4. ANCHOR MUST NOT PROTRUDE MORE THAN \( \frac{1}{4} \)" ABOVE THE NUT.
5. ANCHORS PLATES SHALL ONLY BE USED WHERE SHOWN IN THE PLANS OR APPROVED BY THE CITY ENGINEER.
6. STEEL BASE PLATE MUST BE PRIMED WITH "RUSTOLEUM" OR APPROVED EQUIVALENT AND PAINTED WITH TWO COATS OF ALUMINUM HOT DIPPED GALVANIZED OR POWDER COATED TO PREVENT RUSTING, ALL SURFACES.
7. ALL NEW SIGN INSTALLATIONS SHALL USE 2" SQUARE TUBE POSTS.
8. ALL SIGN INSTALLATIONS IN THE PUBLIC RIGHT-OF-WAY SHALL COMPLY WITH MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES REQUIREMENTS IN EFFECT ON THE DATE OF INSTALLATION.

COMMERCIAL CONCRETE

ALUMINUM JUMBO HAMMER RIVET WITH 1" DIA. HEAD WITH NO WASHER

5/16" CORNER BOLT FOR 2" PERFORATED SQUARE TUBE & HEAVY HEX JAM NUT

1/2"DIA X 3-3/4" MIN STAINLESS STEEL WEDGE ANCHOR

SEE NOTE 5

STAINLESS LEVELING WASHERS AS REQUIRED

1/2"DIA X 3-3/4" MIN STAINLESS STEEL WEDGE ANCHOR

SEE NOTE 5

STAINLESS STEEL BASE PLATE SECTION

ALUMINUM JUMBO HAMMER RIVET WITH 1" DIA. HEAD WITH NO WASHER

NON-SHRINK GROUT

SEE NOTE 5
1. SIGNS MOUNTED ON WOOD POSTS WILL USE A 3/8" STAINLESS STEEL CARRIAGE BOLT WITH 3/4" X 1/4" STAINLESS STEEL WASHER AND 3/8" STAINLESS STEEL NYLON LOCKING NUT.

NOTES

3/4" DIA STAINLESS STEEL & RUBBER COMPRESSION WASHER

TYPICAL 2"SQ SIGN POST SEE STANDARD DRAWING 716 FOR INSTALLATION

TRAFFIC SIGN MOUNTING
HEIGHT PER STANDARD DRAWING 716
BLACK NYLON WASHER
ALUMINUM JUMBO HAMMER RIVET WITH 1" DIA HEAD & 1" NYLON WASHER

TYPE 1 SIGN MOUNTING
2 RIVETS PER SIGN MIN.

TRAFFIC CONTROL SIGN PER MUTCD
3/8" X 2-1/2" MIN STAINLESS STEEL CARRIAGE BOLT
STAINLESS STEEL 3/8" NYLON LOCKING NUT
3/4" DIA STAINLESS STEEL & RUBBER COMPRESSION WASHER

TYPE 2 SIGN MOUNTING
2 BOLTS PER SIGN MIN.
1. Text shall be caps and lower case series D letters and series C numbers.

2. Material shall be 0.10" anodized aluminum sheet stock unless otherwise specified, with super engineering grade reflective background and text.

3. Signs can also be used on span wire installations.

4. Submit design layout for approval prior to fabrication.
1. All signs shall have high intensity prismatic sheeting with graffiti coating. Street name shall be 6" white lettering using highway font C.

2. Material shall be 0.125" anodized aluminum sheet stock unless otherwise specified.

3. For 24" to 42", back side of sign to be the same as the front. 48" single sided, two each per post.

4. All lettering, borders and background shall be high intensity prismatic sheeting per FHWA sheeting guide lines ASTM D4956-04 "Type IV" designation.

NOTES

STREET NAME
6" WHITE LETTERS

Rucker Ave

GREEN BACKGROUND

1/2" WHITE BORDER

3" WHITE LETTERS

NUMBER SUFFIX
3" WHITE LETTERS

1/2" RADIUS TYPICAL

24", 30", 36", 42", & 48" AS REQUIRED

3" WHITE LETTERS

STREET NAME
6" WHITE LETTERS

112th st SE'

3" WHITE LETTERS

QUADRANT SUFFIX
3" WHITE LETTERS

3" WHITE LETTERS

QUADRANT PREFIX
3" WHITE LETTERS

Casino Rd

3" WHITE LETTERS

1/2" WHITE BORDER

9" MIN
1. REFERENCES SEE STANDARD DRAWING 722
2. MATERIAL THICKNESS SHALL BE PER STANDARD SPECIFICATIONS B-22.
3. UNLESS CALLED FOR IN THE PLANS, RAISED PAVEMENT MARKERS SHALL ONLY BE INSTALLED ON ARTERIAL STREETS.

**LANE LINE (WHITE)**

**TWO WAY LEFT TURN LANE LINE (YELLOW)**

**WIDE, EDGE AND BICYCLE LINE (WHITE)**

**SKIP CENTER LINE (YELLOW)**
1. Leading edge of crosswalk bars shall be even with a line between the midpoints of associated curb returns, or as located by field engineer. Location may be adjusted to assure curb ramps, if present, access the crosswalk.

2. For lane widths of 12' and less center leading edge of bars on midpoint of lane line extended.

3. For lane widths greater than 12' space bars evenly between lane lines with a maximum space between stripes of 4'.

4. 2' wide x 10' long crosswalk bars parallel to direction of vehicle travel.

5. References see standard drawing 722.
1. **STOP LINE AS REQUIRED BY ENGINEER, SEE CONSTRUCTION PLANS.**

2. **PAVEMENT MARKINGS (SYMBOLS, ETC) PER WSDOT/APWA STANDARD PLAN M24.40-02.**

3. **SIZE OF LEGENDS SUCH AS "ONLY", "SCHOOL", "STOP", ETC SHALL BE PER THE CURRENT MUTCD 3B, 7C. ONLY TO BE USED SPECIFICALLY FOR DROP LINES.**

4. **INTERMEDIATE PAVEMENT MARKINGS AND LEGENDS AS REQUIRED BY ENGINEER SEE PLANS.**

5. **8" WHITE WIDE LINE, LENGTH PER CONSTRUCTION PLAN.**

6. **DOUBLE YELLOW CENTER STRIPE.**

7. **TWO WAY LEFT TURN STRIPE.**

8. **4" WHITE PARKING STRIPE.**

**NOTES**

A. **WSDOT STANDARD SPECIFICATIONS SECTIONS 8-22, 9-34 AND AMENDMENTS.**

B. **MUTCD PART 2, 3 AND 9C.**

C. **WSDOT/APWA STANDARD PLANS SECTION "M" ROADWAY DELINEATION.**

**REFERENCES**

A. **WSDOT STANDARD SPECIFICATIONS SECTIONS 8-22, 9-34 AND AMENDMENTS.**

B. **MUTCD PART 2, 3 AND 9C.**

C. **WSDOT/APWA STANDARD PLANS SECTION "M" ROADWAY DELINEATION.**
**TRANSIT STOP SIGN (MUTCD R7-107A) AND POST**

**PAINT TOP AND FACE OF CURB**

**YELLOW TYP**

**SIDEWALK**

**RED TYP**

**5' TYP**

**60' TYP**

**PLAN**

**4" EDGE LINE (WHITE)**

**9' TYP**

**8" WIDE LINE (WHITE)**

**3' TYP**

**BIKE LANE**

**PAINTED CURB**

**BUS PULL OUT**

**WSDOT STD PLAN M-9, 60-00**
ACCESS PARKING SPACE SYMBOL (STANDARD)
WITH BLUE BACKGROUND AND WHITE BORDER
(FOUR USE IN PRIVATE PARKING AREAS ONLY)

GRID IS 4" SQUARE
ACCESS PARKING SPACE SYMBOL (STANDARD)

ACCESS PARKING SPACE SYMBOL (MINIMUM)
WITH BLUE BACKGROUND AND WHITE BORDER
(FOUR USE IN PRIVATE PARKING AREAS ONLY)

GRID IS 4" SQUARE
ACCESS PARKING SPACE SYMBOL (MINIMUM)
TYPICAL TRAFFIC FLOW

**LANE LINE**

- **TYPE 2W (WHITE, ONE SIDE ONLY)**
  - 4'
  - 4'
  - 4'
  - 28'
  - 40'

**LANE WIDTH MEASUREMENT POINT**

- **TYPE 1 WHITE**
  - 4'

**TWO WAY LEFT TURN LANE LINE**

- **TYPE 2YY (YELLOW, BOTH SIDES)**
  - 4'

- **TYPE 1 YELLOW**
  - 4'

**LANE WIDTH MEASUREMENT POINT**

**WIDE LINE**

- **TYPE 2W (WHITE, ONE SIDE ONLY)**
  - 4'

**LANE WIDTH MEASUREMENT POINT**

- **TYPE 1 WHITE**
  - 4'

**SKIP CENTER LINE**

- **TYPE YY (YELLOW, BOTH SIDES)**
  - 4'

**LANE WIDTH MEASUREMENT POINT**

- **TYPE 1 YELLOW**
  - 4'

**LANE WIDTH MEASUREMENT POINT**

**DOUBLE YELLOW CENTER LINE**

- **TYPE 2YY (YELLOW, BOTH SIDES)**
  - 4'

- **TYPE 1 YELLOW**
  - 4'

**LANE WIDTH MEASUREMENT POINT**

**ISLAND CHEVRON**

- **TYPE 2YY (YELLOW, BOTH SIDES)**
  - 4'

- **TYPE 1 YELLOW**
  - 4'

**LANE WIDTH MEASUREMENT POINT**

- **LANE WIDTH MEASUREMENT POINT**

- **10' OC**
  - 6' OC (ON CURVE)

- **45°**

- **8" WHITE STRIPE**

- **3 TYPE 1 WHITE RPMS**
LEGEND

SIGN LOCATION

CHANNELIZING DEVICES

TYPE 2 BARRICADE

1. For signs size refer to manual on uniform traffic control devices (MUTCD).
2. Cover pedestrian push buttons and displays with black plastic (6 mil. recommended).

CROSSWALK CLOSURE

1. For signs size refer to manual on uniform traffic control devices (MUTCD).
2. Contact signal operations to place signal in pedestrian recall if buttons are not accessible.
3. Maintain a minimum width of 4 feet for pedestrian path.

SIDEWALK DETOUR

1. For signs size refer to manual on uniform traffic control devices (MUTCD).
2. Contact signal operations to place signal in pedestrian recall if buttons are not accessible.
3. Maintain a minimum width of 4 feet for pedestrian path.