The selection and use of this Standard Drawing, while designed in accordance with generally accepted engineering principles and practices, is the sole responsibility of the user.

**NOTES:**

1. PAVEMENT MARKINGS ON SPEED BUMP SHALL BE INSTALLED CONCURRENTLY WITH THE ASPHALT STRUCTURES. FOLLOW MANUFACTURER'S INLAY PROCEDURES FOR PAVEMENT MARKINGS ON SPEED BUMPS.
2. PAVEMENT MARKINGS AND SIGNS SHALL BE INSTALLED BEFORE OPENING ANY LANE TO TRAFFIC THAT IS OCCUPIED BY A NEW SPEED BUMP.
3. PAVEMENT MARKING LAYOUT ASSUMES A TWO-LANE, TWO-WAY STREET WITH PARKING ON BOTH SIDES. FOR ALL OTHER CONFIGURATIONS SUBMIT REVISED LAYOUT TO ENGINEER FOR APPROVAL.

* SEE PBOT STANDARD DETAIL P-435

**Effective Date:** 03-15-2018

**Standard Drawing No.:** P-441

**Catalog Book No.:** 441

**PBOT:** PORTLAND BUREAU OF TRANSPORTATION

**City Engineer:** Steve Towson

**Standard Drawing Title:** 22' ASPHALT ARTERIAL SPEED BUMP

**Note:** All material and workmanship shall be in accordance with the City of Portland Standard Construction Specifications.