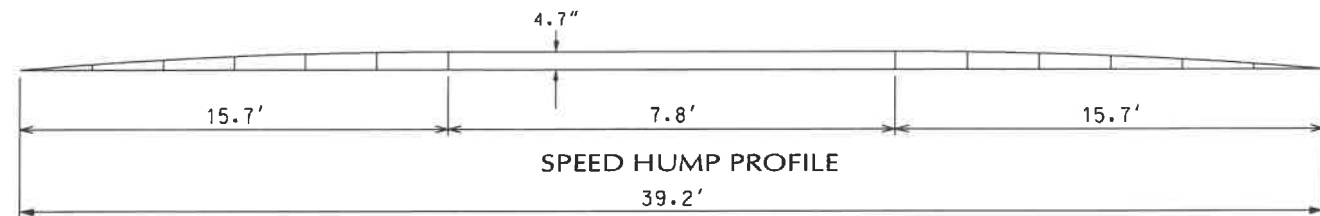
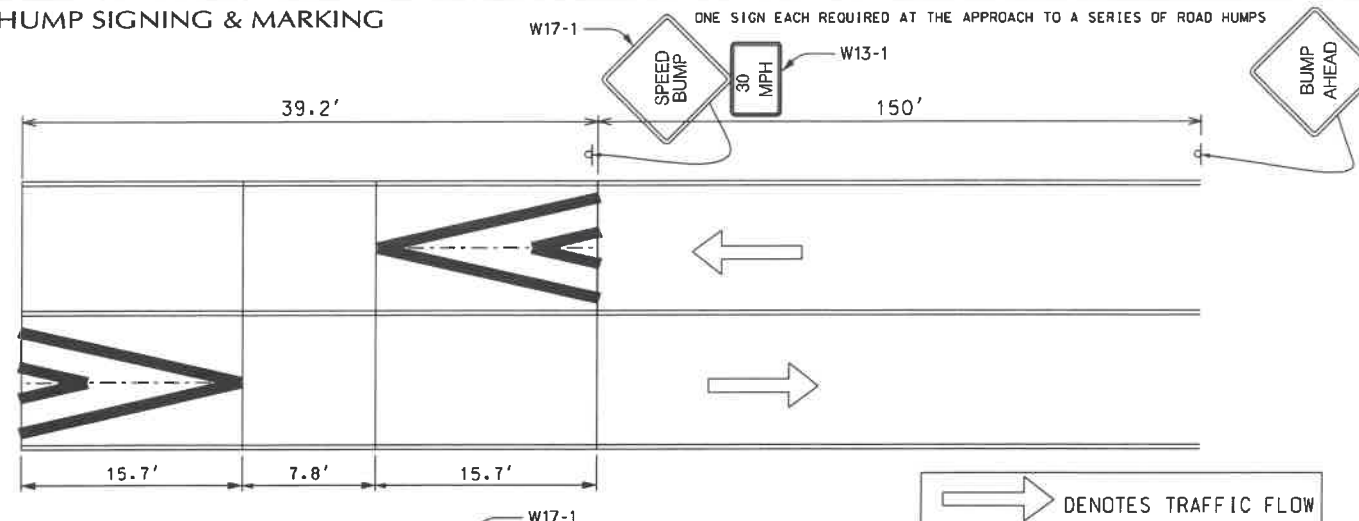


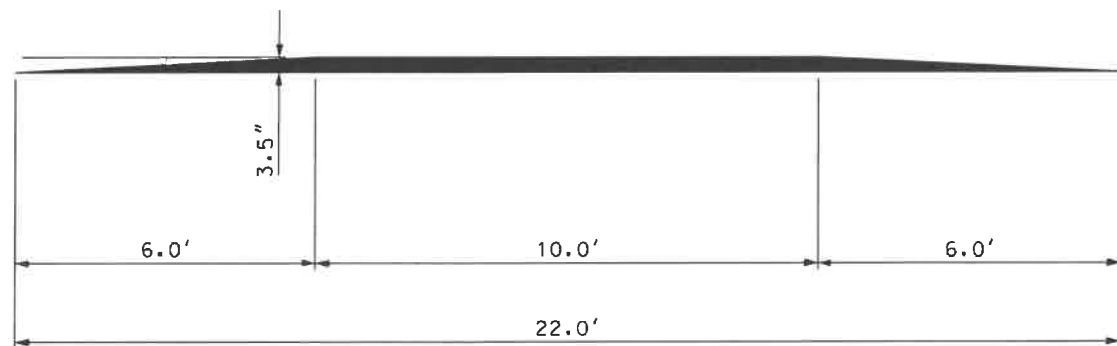
SPEED HUMPH (DUTCH DESIGN)



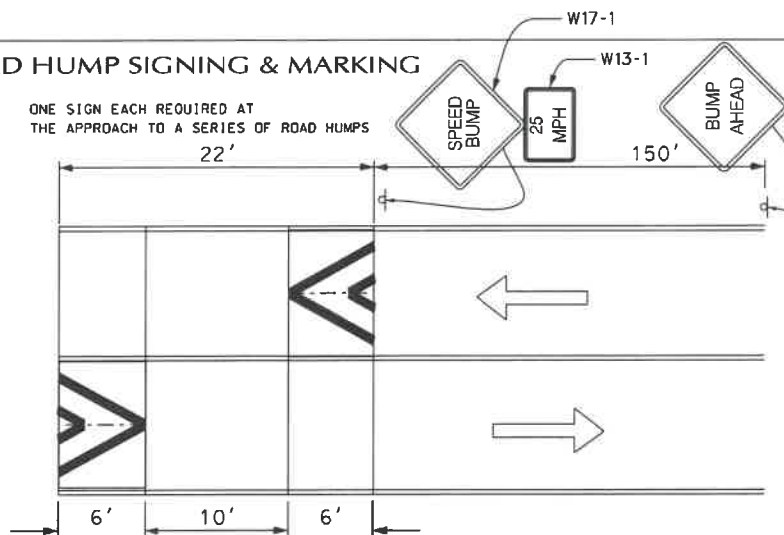
ROAD HUMPH SIGNING & MARKING



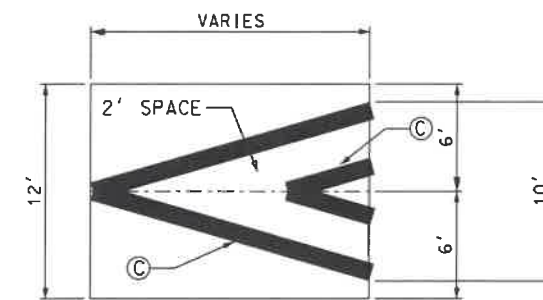
SEMINOLE SPEED HUMPH



ROAD HUMPH SIGNING & MARKING



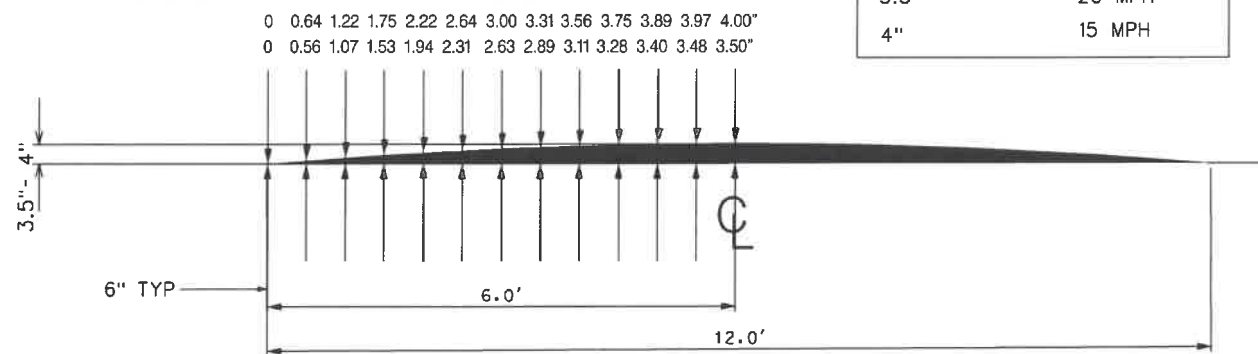
ROAD HUMPH PAVEMENT MARKINGS



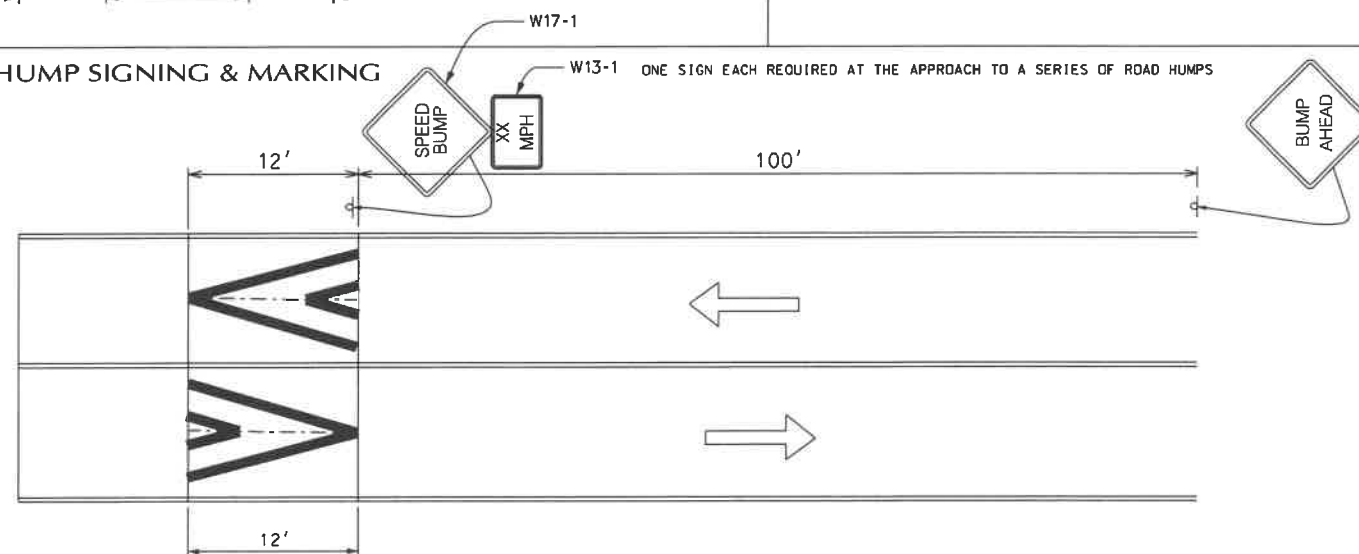
I.T.E. SPEED HUMPH
ONLY APPLICABLE TO PRIVATE ROADS WITHIN UNINCORPORATED PALM BEACH COUNTY

LEGEND:

| HEIGHT | CROSSING SPEED |
|--------|----------------|
| 3.5" | 20 MPH |
| 4" | 15 MPH |



ROAD HUMPH SIGNING & MARKING



COORDINATION WITH STREET GEOMETRY

A THOROUGH ON-SITE ANALYSIS OF ROADWAY GEOMETRICS SHALL BE PERFORMED TO ENSURE THAT SPEED HUMPS WILL NOT BE INTRODUCED AT A CRITICAL POINT IN THE ROADWAY SYSTEM. E.G. A SEVERE COMBINATION OF HORIZONTAL, VERTICAL CURVATURE AND / OR STREET GRADIENT.

CONSTRUCTION PROCEDURES

IT IS RECOMMENDED THAT A TEMPLATE BE CONSTRUCTED TO VERIFY THE ACCURACY OF THE HUMPH PROFILE AND TO ENSURE THAT THE DESIRED VERTICAL DIMENSIONS ARE ATTAINED WITHIN REASONABLE TOLERANCES (NORMALLY ONE-HALF INCH OR LESS, PROVIDED THE HUMPH DOES NOT EXCEED 4 INCHES). IF THE PROFILE IS INCORRECT, HUMPH CHARACTERISTICS WILL BE CHANGED THAT MIGHT IMPACT TRAFFIC SAFETY OR CREATE INEFFECTIVE SPEED CONTROL. IT IS RECOMMENDED THAT THE ROAD SURFACE BE EXCAVATED AT TAPERING EDGES TO PREVENT SPALLING. HUMPS MAY BE INSTALLED IN TWO LIFTS TO IMPROVE ACCURACY AND SHAPE.

COORDINATION WITH TRAFFIC OPERATIONS

SPEED HUMPS SHOULD NOT BE INSTALLED WITHIN 400' FT. OF A TRAFFIC SIGNAL OR WITHIN 150' FROM AN INTERSECTION OR STOP SIGN. MINIMUM DISTANCE BETWEEN SPEED HUMPS IS 400' AND THE MAXIMUM SHOULD BE 800'. TO BE CONSTRUCTED ONLY WHEN APPROVED BY PALM BEACH COUNTY ENGINEER.



| | | | |
|-----|----------|--|--------|
| 1 | 07/07/21 | ADDED I.T.E SPEED HUMPH AND NOTE CHANGE. | EL |
| NO. | DATE | REVISIONS | BY APP |

| PALM BEACH COUNTY, FLORIDA | | | |
|------------------------------|-----------------------------|--------------|--------------|
| TRAFFIC DIVISION | | | |
| TYPICAL | | | |
| ROAD SPEED HUMPH DETAILS | | | |
| BOGDAN I. PIORKOWSKI | MOTASEM AL-TURK | | |
| SENIOR PROFESSIONAL ENGINEER | DIRECTOR - TRAFFIC DIVISION | | |
| NAME | DATE | SCALE | CONTRACT NO. |
| CGT | 4-16-2010 | N.T.S. | |
| DRAWN BY | TRACED BY | DRAWING | T-P-21 |
| CHECKED BY | | | |
| SHEET 6 | | OF 12 SHEETS | |