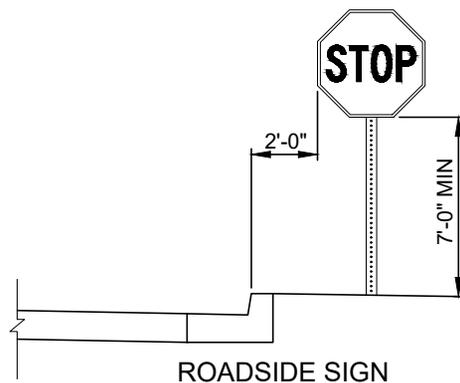


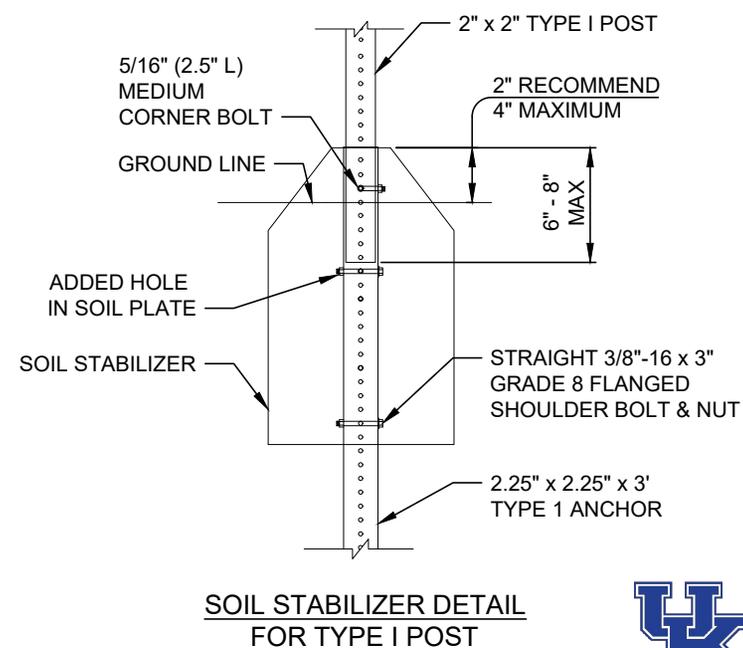
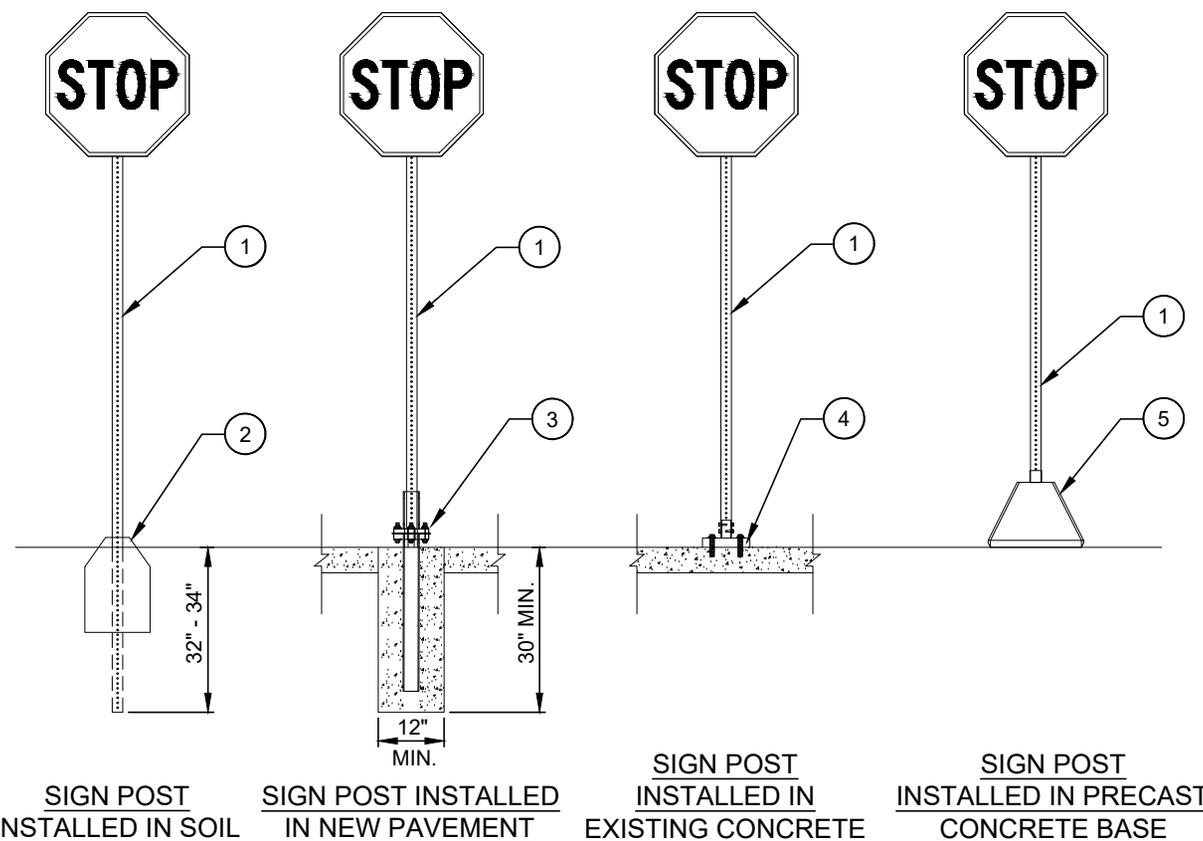
101453 D01 TRAFFIC SIGNAGE

KEYNOTES:

- ① TYPE I SIGN POST SHALL BE FACTORY PAINTED POLYESTER POWDER COAT FINISH, BLACK UNLESS OTHERWISE APPROVED BY THE UNIVERSITY.
- ② INSTALL SOIL STABILIZING PLATE ON BACKSIDE OF POST FROM TRAFFIC FLOW. SEE SOIL STABILIZER DETAIL.
- ③ CONCRETE SIGN BASE WITH BREAKAWAY SIGN SUPPORT. SEE NOTES ON STANDARD DETAIL 101453 D01 PAGE 2.
- ④ SURFACE MOUNTED SIGN BRACKET WITH BREAKAWAY SIGN SUPPORT. SEE NOTES ON STANDARD DETAIL 101453 D01 PAGE 2.
- ⑤ PRECAST CONCRETE BASE, BUSH CONCRETE PRODUCTS PLSB SIGN BASE.



SIGN MOUNTING HEIGHT MAY BE REDUCED TO 5'-0" WHERE PEDESTRIAN MOVEMENTS ARE NOT ANTICIPATED.



UNIVERSITY OF KENTUCKY
DESIGN STANDARDS

POST MOUNTED SIGN
INSTALLATION DETAILS

101453 D01 TRAFFIC SIGNAGE

A. THE FOLLOWING PUBLICATIONS ARE APPLICABLE TO THE WORK DESCRIBED HEREIN:

1. KENTUCKY DEPARTMENT OF HIGHWAYS STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (CURRENT EDITION).
2. STANDARD HIGHWAY SIGNS AND MARKINGS (CURRENT EDITION).
3. FEDERAL HIGHWAY ADMINISTRATION MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (CURRENT EDITION).

B. SIGN SUBSTRATES:

1. SIGN SUBSTRATES SHALL CONFORM TO SECTION 833 OF KENTUCKY'S STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (CURRENT EDITION).

C. SIGN MATERIALS:

1. SIGN SHEETING SHALL CONFORM TO SECTION 830 OF KENTUCKY'S STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (CURRENT EDITION) AND THESE PLANS. ONLY SHEETING ON THE KENTUCKY DEPARTMENT OF HIGHWAY LIST OF APPROVED MATERIALS SHALL BE USED.
2. ALL RETROREFLECTIVE MATERIALS SHALL BE FABRICATED AND ASSEMBLED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS AND/OR RECOMMENDATIONS.
3. THE FOLLOWING SIGNS AND SIGN COMPONENTS SHALL BE FABRICATED USING TYPE IX SHEETING:
 - WHITE SIGN LEGENDS (INCLUDING ROUTE MARKERS) ON PANEL SIGNS
 - STOP (R1-1) SIGNS
 - ALL WAY (R-13P) SIGNS
 - YIELD (R1-2) SIGNS
 - DO NOT ENTER (R5-1) SIGNS
 - WRONG WAY (R5-1A) SIGNS
4. THE FOLLOWING SIGNS SHALL BE FABRICATED USING TYPE IX FLUORESCENT SHEETING:
 - HORIZONTAL ALIGNMENT SIGNS AND PLAQUES, INCLUDING THE SIGNS SHOWN IN FIGURE 2C-1 OF THE MUTCD
 - ALL ADVISORY SPEED (W13-1P) PLAQUES
5. THE FOLLOWING SIGNS SHALL BE FABRICATED USING TYPE IX FLUORESCENT YELLOW-GREEN SHEETING:
 - SCHOOL AND SCHOOL BUS WARNING SIGNS, INCLUDING THE FLUORESCENT YELLOW-GREEN SIGNS SHOWN IN FIGURES 7B-1 AND 7B-6 OF THE MUTCD AND OTHER SCHOOL-RELATED WARNING SIGNS THAT ARE NOT INCLUDED IN THE MUTCD
 - BICYCLE WARNING (W11-1) SIGNS AND ANY SUPPLEMENTAL PLAQUES, SUCH AS "SHARE THE ROAD" (W16-1P) PLAQUES AND DIAGONAL DOWNWARD POINTING ARROW (W16-7P) PLAQUES
 - PEDESTRIAN WARNING (W11-2) SIGNS AND DIAGONAL DOWNWARD POINTING ARROW (W16-7P) PLAQUES THAT SUPPLEMENT PEDESTRIAN WARNING SIGNS
 - IN-STREET PEDESTRIAN CROSSING (R1-6) SIGNS AND OVERHEAD PEDESTRIAN CROSSING (R1-9) SIGNS
 - SUPPLEMENTAL PLAQUES TO ANY OF THE PREVIOUSLY LISTED FLUORESCENT YELLOW-GREEN SIGNS LISTED ABOVE
6. ALL OTHER PERMANENT SIGNS (INCLUDING THE BACKGROUNDS OF PANEL SIGNS) SHALL BE FABRICATED USING TYPE IX SHEETING UNLESS OTHERWISE APPROVED BY THE UNIVERSITY.
7. SIGN BACKS SHALL BE FINISH BLACK TO MATCH POSTS. FACTORY PAINTED POLYESTER POWDER COAT FINISH, BLACK UNLESS OTHERWISE APPROVED BY THE UNIVERSITY.
8. REFLECTIVE STRIP ON SIGN POST MAY BE ADDED FOR INCREASED SIGN VISIBILITY. REFLECTIVE STRIP COLOR AND SHEETING TYPE SHALL MATCH THE SIGN.
9. ADDITIONAL SAFETY ENHANCEMENTS TO PEDESTRIAN CROSSINGS SHOULD BE CONSIDERED INCLUDING ENHANCED STREET LIGHTING, EMBEDDED LIGHT EMITTING DIODES (LED) FOR THE PEDESTRIAN SIGNS, AND ADDING RAPID RECTANGULAR FLASHING BEACONS. ADDITIONAL SAFETY ENHANCEMENTS SHOULD BE REVIEWED WITH THE UNIVERSITY TO DETERMINE WHETHER ADDITIONAL SAFETY ENHANCEMENTS ARE DESIRED.

D. GROUND-MOUNTED SIGN SUPPORTS:

1. ALL POSTS SHALL BE OF SUFFICIENT LENGTHS TO EXTEND FROM THE TOP OF THE SIGN TO THE REQUIRED BASE EMBEDMENT.
2. TYPE I STEEL POSTS SHALL BE EITHER STANDARD INSTALLATION IN SOIL, WITH SOIL STABILIZER, OR TYPE "D" (BREAKAWAY SIGN POST SUPPORT SYSTEM INSTALLATION). ONLY BREAKAWAY TYPE "D" POST SYSTEMS ON THE KENTUCKY DEPARTMENT OF HIGHWAY LIST OF APPROVED MATERIALS SHALL BE USED. BRACING, IF REQUIRED, SHALL BE INCIDENTAL TO TYPE I POST.
3. TYPE I SIGN POST SHALL CONFORM TO SECTION 832 OF THE KENTUCKY DEPARTMENT OF HIGHWAYS STANDARD SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION, CURRENT EDITION, AND SHALL BE FACTORY PAINTED POLYESTER POWDER COAT FINISH, BLACK.
4. UNLESS THE IN-STREET YIELD TO PEDESTRIAN SIGN (R1-6) IS PLACED ON A PHYSICAL ISLAND, THE SIGN SUPPORT SHALL BE DESIGNED TO BEND OVER AND THEN BOUNCE BACK TO ITS NORMAL VERTICAL POSITION WHEN STRUCK BY A VEHICLE.
5. THE TOP OF AN IN-STREET YIELD TO PEDESTRIAN SIGN (R1-6) SHALL BE A MAXIMUM OF 4 FEET ABOVE THE PAVEMENT SURFACE. THE TOP OF AN IN-STREET PEDESTRIAN CROSSING SIGN PLACED IN AN ISLAND SHALL BE A MAXIMUM 4 FEET ABOVE THE ISLAND SURFACE.

E. CONCRETE BASES:

1. ALL ABOVE-GROUND PRECAST CONCRETE BASES SHALL BE BUSH CONCRETE PRODUCTS PLSB SIGN BASE.
2. ALL BELOW-GROUND CAST-IN-PLACE CONCRETE BASES SHALL BE CLASS "A" CONCRETE.

F. MISCELLANEOUS:

1. ON SHEETING SIGNS WHERE THERE ARE MORE THAN ONE SIGN ASSEMBLY MOUNTED BESIDE EACH OTHER, THE POSTS SHALL BE SPACED TO PROVIDE APPROXIMATELY SIX INCHES (6") OF SPACING BETWEEN SIGNS.
2. VISIBILITY OF SIGNS IS TO BE REVIEWED IN THE FIELD PRIOR TO CONSTRUCTION. WHEN SIGNS ARE OBSTRUCTED BY OTHER SIGNS OR EXISTING VEGETATION, CONTACT THE UNIVERSITY TO DETERMINE IF THE SIGN IS TO BE MOVED OR IF VEGETATION IS TO BE CUT OR TRIMMED.
3. TYPE I STEEL POSTS IN SOIL SHALL BE DRIVEN 32" TO 34" BELOW THE GROUND LINE AS SHOWN. HOWEVER, IF SOLID ROCK IS ENCOUNTERED, THE CONTRACTOR SHALL DRILL HOLES OF THE REQUIRED DEPTH INTO THE ROCK AND BACKFILL WITH CONCRETE.
4. SHEETING SIGNS (D1-1, D1-2, D1-3) EQUAL TO OR LESS THAN 72" X 42" REQUIRE TWO TYPE I OR TYPE II POSTS.
5. IF ANY SIGN IS LOCATED NEAR ANOTHER POLE, IT SHALL BE INSTALLED ON THAT POLE PENDING THE APPROVAL OF THE UNIVERSITY.



UNIVERSITY OF KENTUCKY
DESIGN STANDARDS

GENERAL SIGN NOTES