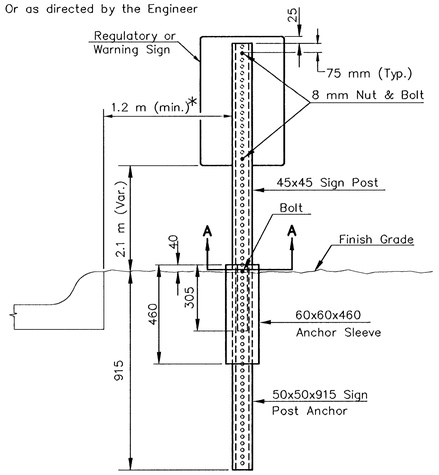
FHWA REG NO.	STATE	PROJECT NO.	YEAR	SHEET NO.	SHEETS
7	KANSAS	87 N-0088-01	1999	30	38

* Or as directed by the Engineer



CURB AND GUTTER SECTION

PAVEMENT INSTALLATION SEQUENCE

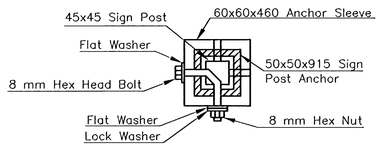
1. SIGN POST ANCHOR DRIVEN INTO SUBGRADE PRIOR TO THE PLACEMENT OF THE PAVEMENT.
2. ANCHOR SLEEVE DRIVEN INTO SUBGRADE OVER THE SIGN POST ANCHOR PRIOR TO THE PLACEMENT OF THE PAVEMENT.
3. INSERT SIGN POST INTO THE SIGN POST ANCHOR AND BOLT IN PLACE.

GROUND INSTALLATION SEQUENCE

1. SIGN POST ANCHOR DRIVEN INTO THE GROUND.
2. ANCHOR SLEEVE DRIVEN INTO THE GROUND OVER THE SIGN POST ANCHOR.
3. INSERT SIGN POST INTO THE SIGN POST ANCHOR AND BOLT IN PLACE.

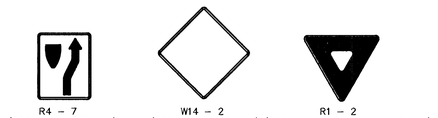
Note: IN ALL INSTALLATIONS THE FIRST HOLE ABOVE THE FINISHED GRADE LEVEL IN ALL THREE UNITS MUST BE IN LINE FOR INSERTION OF THE BOLT.

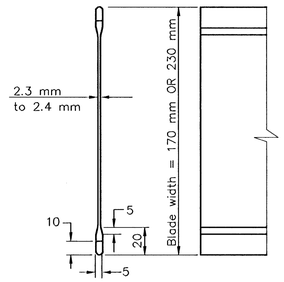
ALL BOLTS AND NUTS FOR FASTENING THE SIGNS AND SIGN POST ASSEMBLY SHALL COMPLY WITH SECTION 1614 AND ALL WASHERS SHALL COMPLY WITH SECTION 1614 OF THE STANDARD SPECIFICATION FOR STATE ROAD AND BRIDGE CONSTRUCTION (1990 EDITIO) AND SHALL BE SUBSIDIARY ITEM.



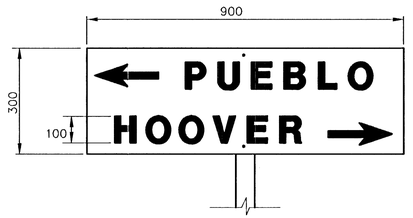
SECTION A–A

TYPICAL TRAFFIC CONTROL SIGN MOUNTING INSTALLATION
BREAK–AWAY SIGN POST DETAIL

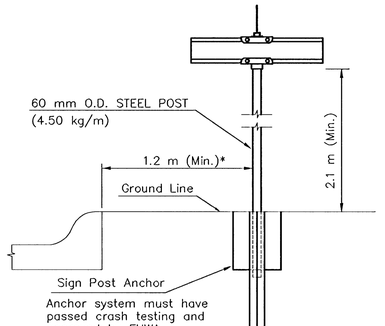




STREET NAME SIGN
BLADE DETAILS



FLAT PLATE STREET NAME SIGN

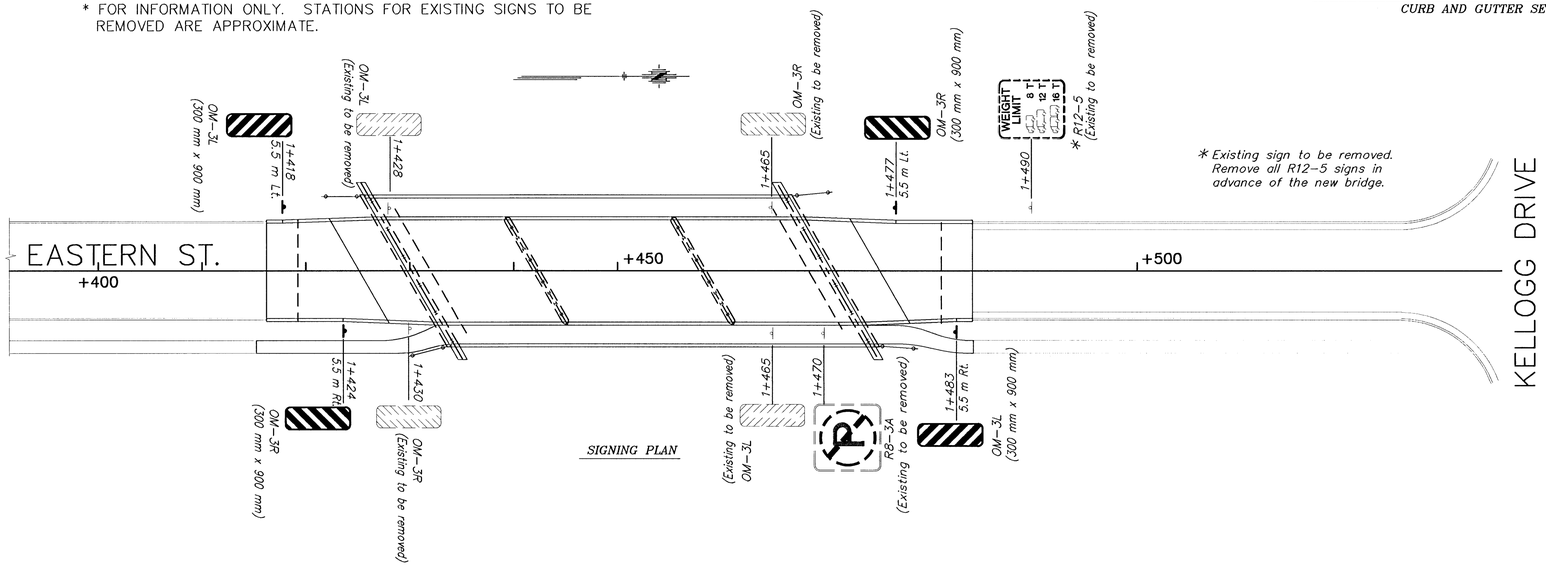


TYPICAL STREET NAME SIGN MOUNTING INSTALLATION
CURB AND GUTTER SECTION

SIGN ASSEMBLY TABLE

STREET	STATION	OFFSET	SIGN	QNTY*
Eastern Street	1+418	5.5 m Lt.	OM–3L	1
Eastern Street	1+424	5.5 m Rt.	OM–3R	1
Eastern Street	1+477	5.5 m Lt.	OM–3R	1
Eastern Street	1+483	5.5 m Rt.	OM–3L	1
TOTAL				4

* FOR INFORMATION ONLY. STATIONS FOR EXISTING SIGNS TO BE REMOVED ARE APPROXIMATE.



SIGNING PLAN

GENERAL NOTES - SIGNING

NOTE: REFERENCES BELOW TO "STANDARD SPECIFICATIONS" DENOTE "STANDARD SPECIFICATION FOR STATE ROAD AND BRIDGE CONSTRUCTION EDITION 1990" BY THE KANSAS DEPARTMENT OF TRANSPORTATION.

1. POST ANCHORS: POSTS SHALL BE ANCHORED WITH A YIELDING BASE POST SUPPORT AS DETAILED.
2. POSTS FOR TRAFFIC CONTROL SIGNS: POSTS SHALL CONFORM TO THE REQUIREMENTS OF SUBSECTION 1620 OF THE STANDARD SPECIFICATIONS EXCEPT THAT ALL POSTS SHALL WEIGH 4.50 kg./m MINIMUM.
3. POSTS FOR STREET NAME SIGNS (SNS): POSTS SHALL BE 2 750 mm LONG, CONSTRUCTED FROM 60 mm O.D. GALVANIZED STEEL PIPE WEIGHING A MINIMUM OF 4.50 kg/m. POSTS SHALL BE POSITIONED SO THAT THE BOTTOM BLADE IS 2 135 mm ABOVE GRADE.
4. POSTS FOR END OF ROADWAY SIGN TO BE 2 440 mm LONG AND INSTALLED A MINIMUM OF 1 220 mm FROM ROADWAY TO BOTTOM OF SIGN.
5. SIGN BLANKS FOR TRAFFIC CONTROL SIGNS: SIGN BLANKS SHALL BE FABRICATED FROM 2.0 mm ALUMINUM ALLOY 6063–T6 CONFORMING TO THE REQUIREMENTS OF SUBSECTION 1626 OF THE STANDARD SPECIFICATIONS.
6. SIGN BLADES FOR STREET NAME SIGNS: EXTRUDED ALUMINUM BLADES SHALL BE ALUMINUM ALLOY CONFORMING TO 6063–T6 OR 5052–H38 (ASTM SPECIFICATION B221, LATEST ISSUE). BLADES SHALL HAVE AN ALODINE OR PHOSPHATE ETCHED FINISH. BLADES SHALL HAVE SQUARE CORNERS AND NO HOLES.

   MINIMUM BLADE LENGTH SHALL BE 610 mm. MAXIMUM BLADE LENGTH SHALL BE 1 220 mm. LENGTH VARIES BY INCREMENTS OF 150 mm.

   BLADES BEARING THE STREET NAMES SHALL BE FIRMLY ATTACHED TO THE MOUNTING BRACKETS USING ALLEN–TYPE SET SCREWS. THE BLADES SHALL BE ORIENTED PARALLEL TO THE STREET.
7. MOUNTING BRACKETS FOR SIGNS: DIE–CAST ALUMINUM BRACKETS SHALL BE ALUMINUM ALLOY 360 HAVING A TENSILE STRENGTH OF 303.369 MPa. THE BRACKETS SHALL BE SMOOTHLY FINISHED FREE OF PITS, BURRS, AND FLAWS. EACH BRACKET SHALL BE TAPPED AND DRILLED FOR 8 mm ZINC–PLATED ALLEN–TYPE SET SCREWS HAVING SELF–LOCKING SAW–TOOTH ENDS.
8. FASTENERS: ALL STEEL FASTENERS FOR TRAFFIC CONTROL SIGNS SHALL BE GALVANIZED AND SHALL CONFORM TO THE REQUIREMENTS OF SUBSECTION 1614 OF THE STANDARD SPECIFICATIONS.
9. REFLECTIVE SHEETING: REFLECTIVE SHEETING SHALL BE TYPE II – HIGH PERFORMANCE CLASS HA IN ACCORDANCE WITH SUBSECTION 2201 OF THE STANDARD SPECIFICATIONS.
10. PROCESS INK: ALL PROCESS INK SHALL CONFORM TO THE REQUIREMENTS OF SUBSECTION 2202 OF THE STANDARD SPECIFICATIONS.
11. DETAILS: REGULATORY AND WARNING SIGNS SHALL CONFORM TO THE DETAILS IN "STANDARD HIGHWAY SIGNS", FHWA, 1979.
12. DETAILS – SNS: THE REFLECTIVE SHEETING FOR THE 170 mm STANDARD SIZE SNS IS TO BE THE HIGHWAY GREEN BACKGROUND WITH SILVER–WHITE #2 COPY WITH 100 mm UPPER CASE AND LOWER CASE PRIMARY COPY AND SUFFIX COPY. BOTH SERIES "C". FACES TO TRIM TO A 160 mm. (SEE DETAIL A.)

    THE REFLECTIVE SHEETING FOR THE 230 mm METRO SIZE SNS IS TO BE THE HIGHWAY GREEN BACKGROUND WITH SILVERWHITE #2 COPY WITH 125 mm UPPER CASE AND LOWER CASE PRIMARY COPY AND SUFFIX COPY, BOTH SERIES "C". THE CARDINAL DIRECTION CENTERED DIRECTLY BELOW THE BLOCK NUMBER SHALL BE AN UPPER CASE, 75 mm SERIES "C" LETTER. FACES TO TRIM TO A 215 mm WIDTH. (SEE DETAIL B.)

    SHOP DRAWINGS OF LAYOUT FOR SNS SHALL BE SUBMITTED TO THE TRAFFIC ENGINEERING DIVISION OF THE CITY OF WICHITA FOR APPROVAL PRIOR TO FABRICATION. THE FINISHED SIGNS AS SUPPLIED SHALL BE OF GOOD APPEARANCE, FREE FROM RAGGED EDGES, CRACKS, SCALES, OR BLISTERS AND SHALL BE CLEAN–CUT. SIGNS SHALL BE PACKED IN SUCH MANNER AS TO PREVENT DAMAGE OR DEFACEMENT DURING SHIPMENT OR STORAGE.
13. PERMANENT TRAFFIC CONTROL AND SNS: PERMANENT TRAFFIC CONTROL AND SNS SHALL BE MEASURED AND PAID FOR AT THE LUMP SUM PRICE FOR SIGNING. THE PAYMENT AS SET FORTH ABOVE SHALL BE CONSIDERED FULL COMPENSATION FOR ALL EXCAVATION, BACKFILLING. POSTS, ANCHORS, FASTENERS, MATERIALS, LABOR, TOOLS AND INCIDENTALS NECESSARY TO COMPLETE THIS WORK.
14. ALL EXISTING SIGNING ITEMS REMOVED BY THE CONTRACTOR SHALL REMAIN THE PROPERTY OF THE CITY OF WICHITA. THESE ITEMS SHALL BE STOCKPILED ON THE PROJECT AT A LOCATION APPROVED BY THE ENGINEER. IT WILL BE THE RESPONSIBLITY OF THE CITY OF WICHITA TO REMOVE THE STOCKPILED ITEMS FROM THE PROJECT SITE.
15. CAUTION SHALL BE EXCERCISED WHEN WORKING WITH ALL EXISTING SIGNS, MOUNTING HARDWARE, OR POSTS THAT ARE TO REMAIN. ALL SIGNING ITEMS DAMAGED THROUGH NEGLIGENCE OF THE CONTRACTOR SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE. IF EXISTING SIGNS THAT ARE TO REMAIN INTERFERE WITH CONSTRUCTION WORK, THE CONTRACTOR SHALL REMOVE, STORE, AND RESET THE SIGNS AS DIRECTED BY THE ENGINEER. THIS SHALL BE SUBSIDIARY TO OTHER BID ITEMS IN THE CONTRACT.

SIGNING DETAILS

SCALE: NONE	APPROVED BY	DATE: JUNE '93
DRAWN BY: WNJ/MLW		REVISED: JUNE '97

CITY OF WICHITA
DEPARTMENT OF PUBLIC WORKS
TRAFFIC ENGINEERING SECTION

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