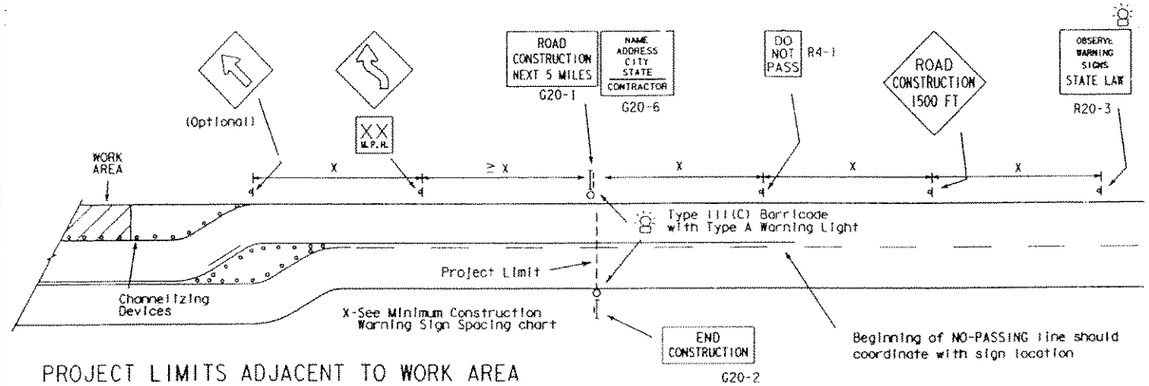
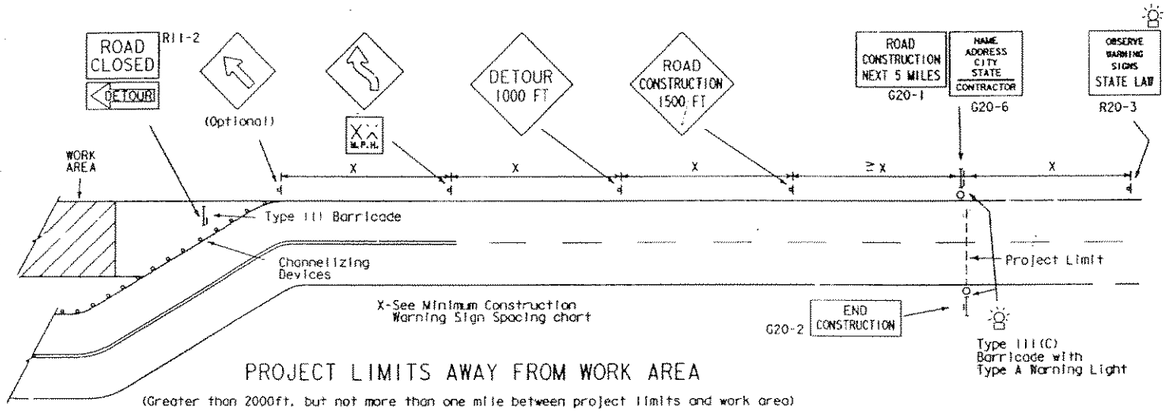
PROJECT LIMIT TRAFFIC CONTROL DEVICES



PROJECT LIMITS ADJACENT TO WORK AREA

(Less than 2000ft. between project limits and work area)



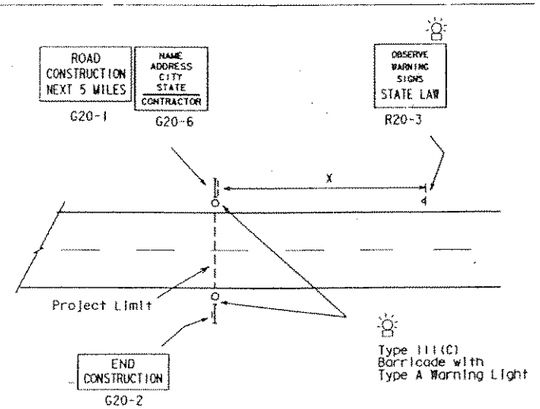
PROJECT LIMITS AWAY FROM WORK AREA

(Greater than 2000ft. but not more than one mile between project limits and work area)

PROJECT LIMIT GENERAL NOTES

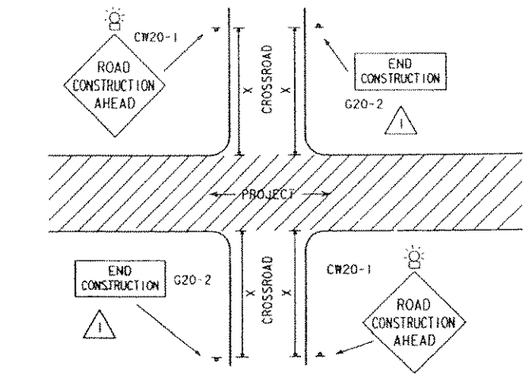
SIGNS AND WARNING LIGHTS

1. Warning lights specified for a sign may be attached to the sign, sign support or as directed by the Engineer. When a warning light is specified for a sign mounted on a barricade, the warning light will be attached to the barricade, or as directed by the Engineer.
2. Appropriate standard traffic control devices shall be used within the project limits to adequately warn, advise, control and guide traffic around and/or through all areas of work activity, detours and other potentially hazardous locations as required by the plans.
3. As a general rule, additional traffic control devices in advance of the project limits should only be used in those cases where a work area, a detour, or a potentially hazardous location is less than 2000 feet inside of the project limits.
4. The traffic control devices used in the above illustrations are examples only. Field conditions should dictate the most appropriate traffic control devices to be used.
5. As detailed above and on sheet BC(2), the ROAD CONSTRUCTION NEXT X MILES, CONTRACTOR NAME and END CONSTRUCTION signs shall be erected on Type III(C) Barricades at or near the project limits and the OBSERVE WARNING SIGNS STATE LAW sign shall be erected in advance of the Type III(C) Barricades. Project limit barricades should be adjusted to provide adequate spacing to other signs.
6. With the agreement of an adjacent project Engineer, The Engineer(s) may allow the omission of END CONSTRUCTION, OBSERVE WARNING SIGNS, and other advance warning signs if the signing would be redundant and the work areas appear continuous to the motorists. If the adjacent project is completed first, the contractor will erect the necessary warning signs as shown on these sheets, the TCP sheets or as directed by the Engineer.
7. Duplicate construction warning signs should be erected on the median side of divided highways where median width will permit and traffic density justifies the signing.
8. Except for devices required by Note 5, traffic control devices should be in place only while work is actually in progress or a definite need exists.
9. Sign size should be based on "Texas Manual on Uniform Traffic Control Devices for Streets and Highways" (TMUTCD).



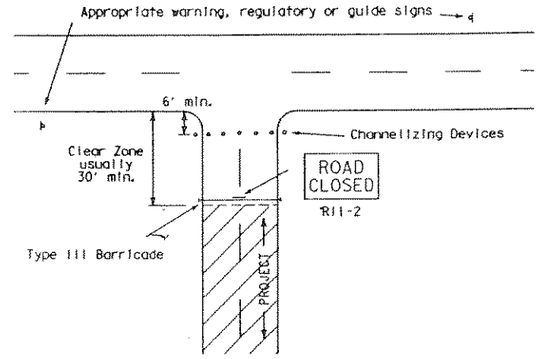
PROJECT LIMITS AWAY FROM WORK AREA

(Greater than one mile between project limits and work area)



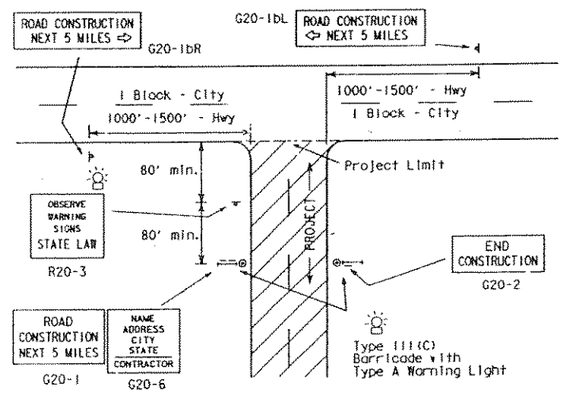
MAY BE MOUNTED ON BACK OF CW20-1 SIGN WITH APPROVAL OF ENGINEER

CROSSROAD SIGNING AND BARRICADING



PROJECT LIMITS FOR CLOSED ROADWAY

Barricades shall be erected completely across roadway. Channelizing Devices may be drums, vertical panels or cones as specified in the plans.



PROJECT LIMITS AT T-INTERSECTION

1. The ROAD CONSTRUCTION NEXT X MILES sign should be erected on the intersected highway as detailed above.
2. On the intersected roadway, additional traffic control devices, such as a flagger and accompanying signs or other signs, should be used when work is being performed at or near the intersection.

CROSSROAD SIGNING AND BARRICADING

1. Except as noted elsewhere in plans, the usual minimum signing on a crossroad approach should be one CW20-1 ROAD CONSTRUCTION AHEAD sign and G20-2 END CONSTRUCTION sign. Where speeds and volumes are relatively low a smaller ROAD CONSTRUCTION sign may be used.

On low volume crossroads, signing may be omitted if approved by the Engineer.

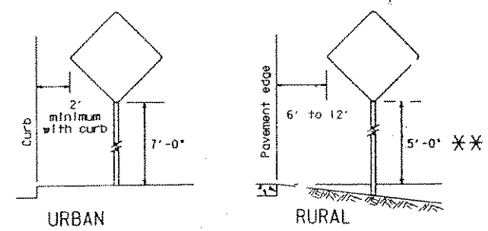
Additional signs such as FLAGGER AHEAD, LOOSE GRAVEL, or other appropriate signs may be required. When additional signs are required, such signs will be considered part of the minimum requirements.

2. The G20-1a shall be required on major crossroads to advise motorists of the length of construction in either direction from the intersection.
3. On higher volume crossroads additional traffic control devices may be noted elsewhere in the plans.
4. When work occurs in the intersection area, appropriate traffic control devices shall be in place.

G20-1 Series signs shall show distances rounded to nearest whole mile. Fractions and decimal miles will not be used.

Required Warning Lights unless otherwise specified in the plans, or as directed by the Engineer.

MINIMUM SIGN CLEARANCES



** Where sight distance obstructions are present, or where signs are erected in urban areas, the 5'-0" height shall be increased to 7'-0", See BC(4).

MINIMUM CONSTRUCTION WARNING SIGN SPACING

PREVAILING SPEED OR 85% SPEED	30 or less	35	40	45	50	55 *	65 *
X MINIMUM DISTANCE (FT)	80	120	160	240	320	500	750

* Roads with a 55 or 65 MPH posted speed limit, should have the first advance warning signs placed at least 1500 feet in advance of the condition. Where a series of advance warning signs are used, the warning sign nearest the work site should be placed no closer than the "X" distance specified in the table above.

It is the intent of these plans to provide positive guidance to motorist throughout the project limits by the use of signs, pavement markings, delineation devices and/or channelizing devices. All traffic control devices shall conform with the "Texas Manual on Uniform Traffic Control Devices for Streets and Highways" (TMUTCD).

STANDARD PLANS
TEXAS DEPARTMENT OF TRANSPORTATION

BARRICADE AND CONSTRUCTION STANDARDS

ADVANCE SIGNING
CROSSROAD SIGNING
WARNING LIGHTS

BC(1)-94

ORIGINAL DRAWING DATE 4-88	STATE DISTRICT	GENERAL MEDICOR	FEDERAL AID PROJECT	SHEET
DN: LR CK:	REVISIONS 6-88 2-94 7-89 4-92	6		72
DN: DN CK:		COUNTY	CONTROL SECTION JOB	HIGHWAY
				102