- REV. 9-1-05: REMOVED TYPE "C" WARNING LIGHTS FROM FLEXIBLE DRUMS IN TAPER.
- REV. 3-3-06: REPLACED VERTICAL PANEL WITH BARRIER RAIL DELINEATORS. ADDED GENERAL NOTES (F).
- REV. 10-29-13: CHANGED PAY ITEM FOR BARRIER RAIL DELINEATORS.

REV. 9-17-82: CLARIFIED WORK ZONE. ADDED DETAIL "A". REMOVED SIGNS AT RIGHT END.

REV. 10-7-82: ADDED 1" CONDUIT & 7/16 " DIAMETER GUY.

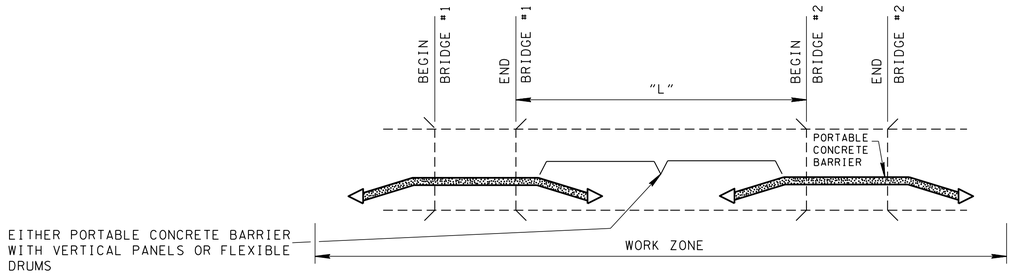
REV. 3-22-85: GENERAL REVISIONS.

REV. 10-24-86: GENERAL REVISIONS.

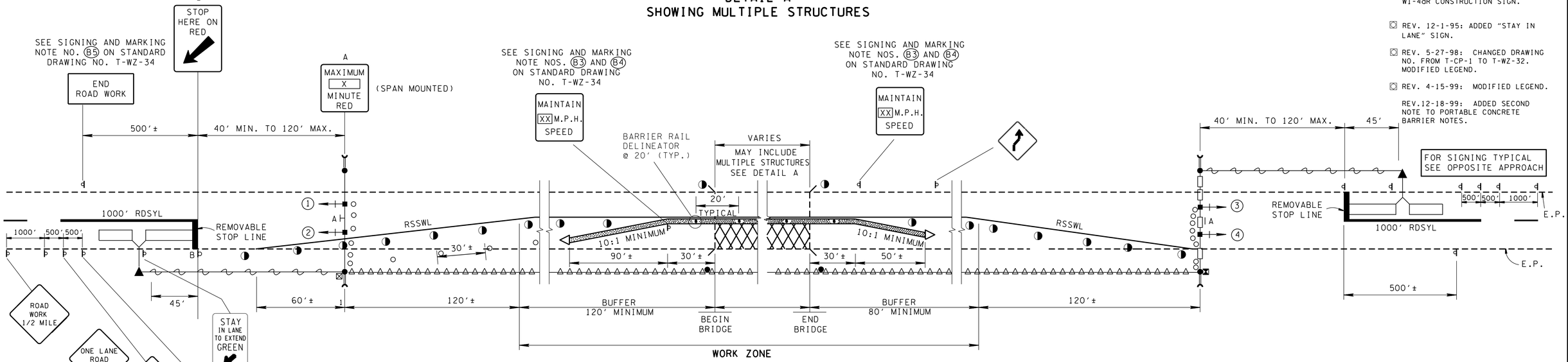
REV. 5-27-91: REDREW SHEET AND REORGANIZED SHEET.

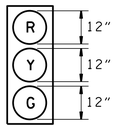
- REV. 1-19-92: GENERAL REVISION.
- REV. 4-1-92: CHANGED SECOND NOTE ON DETAIL A DELETING USE OF TYPE C WARNING LIGHTS.
- REV. 5-16-94: CHANGED CONSTRUCTION SIGNS TO CONFORM TO REVISED PART VI, M.U.T.C.D., DATED 9-3-93.
- REV. 9-5-94: CHANGED G20-2 TO G20-2A CONSTRUCTION SIGN. ADDED W1-4aR CONSTRUCTION SIGN.
- REV. 12-1-95: ADDED "STAY IN LANE" SIGN.
- REV. 5-27-98: CHANGED DRAWING NO. FROM T-CP-1 TO T-WZ-32. MODIFIED LEGEND.
- REV. 4-15-99: MODIFIED LEGEND.

REV.12-18-99: ADDED SECOND NOTE TO PORTABLE CONCRETE BARRIER NOTES.



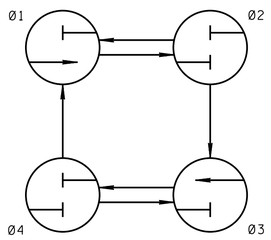
DETAIL A
SHOWING MULTIPLE STRUCTURES





SIGNAL HEAD DETAIL

ALL SIGNAL HEADS SHALL HAVE BACKPLATES AND TETHER WIRES.



PHASING DIAGRAM DETAIL

PLACEMENT OF SIGNAL HEADS SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (CURRENT EDITION).

SIGNAL SEQUENCE CHART

PHASE	INTERVAL		SIGNAL HEAD NO. & DISPLAY 1	2	3	4
			R Y G	R Y G	R Y G	R Y G
			SIGNAL HEAD NO. & SEQUENCE 1	2	3	4
1	R/W		G	G	R	R
	CLEAR TO	2	Y	Y	R	R
		3	DIRECT CLEARANCE PROHIBITED			
		4	DIRECT CLEARANCE PROHIBITED			
2	R/W		R	R	R	R
	CLEAR TO	3	R	R	R	R
		4	DIRECT CLEARANCE PROHIBITED			
		1	R	R	R	R
3	R/W		R	R	G	G
	CLEAR TO	4	R	R	Y	Y
		1	DIRECT CLEARANCE PROHIBITED			
		2	DIRECT CLEARANCE PROHIBITED			
4	R/W		R	R	R	R
	CLEAR TO	1	R	R	R	R
		2	DIRECT CLEARANCE PROHIBITED			
		3	R	R	R	R
**FLASH			R	R	R	R

** SEE SIGNAL OPERATION NOTES ON STANDARD DRAWING NO. T-WZ-34 FOR TIMES WHEN YELLOW FLASH IS USED.

GENERAL NOTES

(A) IF DISTANCE "L" IS 250' OR LESS, PORTABLE CONCRETE BARRIER SHALL BE CONTINUOUS.

(B) FOR DISTANCES GREATER THAN 250' THE CONTRACTOR MAY USE CONTINUOUS PORTABLE CONCRETE BARRIER IN LIEU OF THE INTERIOR ATTENUATORS SHOWN IN THIS DETAIL.

(C) IF "L" IS GREATER THAN 250', FLEXIBLE DRUMS OR VERTICAL PANELS SHALL BE USED TO MAINTAIN ONE LANE OF TRAFFIC.

(D) SEE TABLE VI-1 OF PART VI OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) FOR BUFFER LENGTHS.

(E) 7 OR 12 CONDUCTOR SIGNAL CABLE FROM DETECTOR CABINET TO CONTROLLER MAY BE RUN OVERHEAD (USING WOOD POLES AND MESSENGER WIRE), UNDERGROUND (DIRECT BURIED) OR ANY METHOD APPROVED BY THE ENGINEER.

(F) BARRIER RAIL DELINEATORS (ITEM NO.712-04.50) SHALL BE USED ON PORTABLE BARRIER RAIL. REFER TO THE QUALIFIED PRODUCT LIST FOR APPROVED BARRIER RAIL DELINEATORS. DIFFERENT TYPES OF BARRIER RAIL DELINEATORS SHOULD NOT BE MIXED IN THE SAME LINE.

LEGEND

- FOUR OR EIGHT PHASE POLE MOUNTED CONTROLLER
- 6' X 45' LOOP WITH LEAD-IN
- 12 INCH SIGNAL HEAD WITH BACKPLATE ON SPANWIRE
- GUYING DEVICE VERTICAL ANCHOR (7/16" DIAMETER)
- SHIELDED DETECTOR CABLE ON SPAN WIRE
- WOOD POLE
- 7 CONDUCTOR (FOUR PHASE) OR 12 CONDUCTOR (EIGHT PHASE) FOR LOOPS & SIGNALS
- 5 CONDUCTOR SIGNAL CABLE
- FLEXIBLE DRUMS
- BARRIER RAIL DELINEATOR (ITEM NO. 712-04.50, PER EACH)
- PORTABLE CONCRETE BARRIER
- RSSWL REMOVABLE PAVEMENT MARKING (SINGLE SOLID WHITE LINE)
- RDSYL REMOVABLE PAVEMENT MARKING (DOUBLE SOLID YELLOW LINE)
- E.P. EDGE OF PAVEMENT
- DETECTOR AMPLIFIER CABINET
- WATERPROOF SPLICE
- SHIELDED DETECTOR CABLE (DIRECT BURIED)
- L DISTANCE
- ATTENUATOR (SEE STANDARD DRAWINGS)

MINOR REVISION -- FHWA APPROVAL NOT REQUIRED.

CROSS REFERENCE DRAWINGS FOR THIS SHEET: T-WZ-33, T-WZ-34 AND T-WZ-35.

SHEET NOT TO SCALE

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN
SIGNAL LAYOUT FOR
TRAFFIC SIGNAL AT TWO
LANE BRIDGE
RECONSTRUCTION SITE

5-27-98 | T-WZ-32