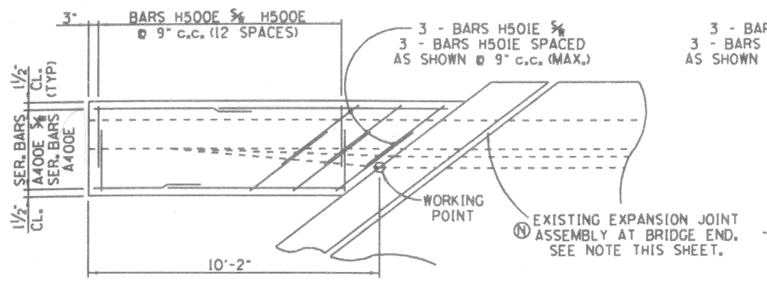
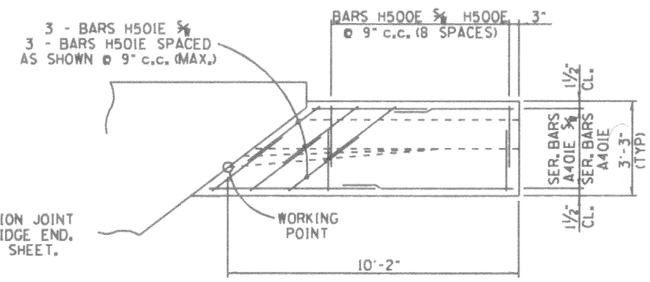
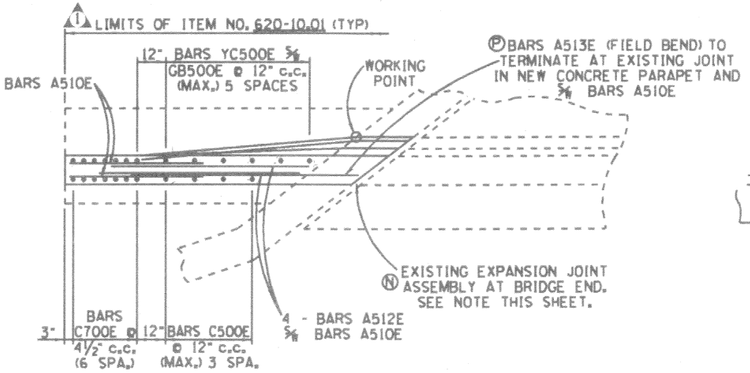


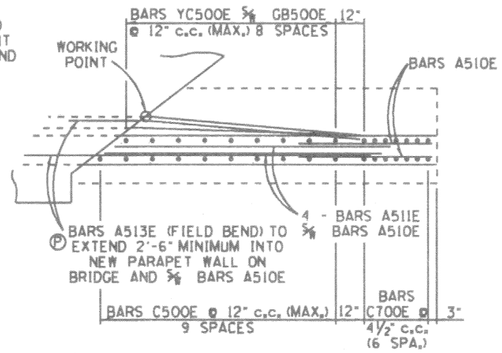
ENDPOST NO. 3A
(WITH EXPANSION JOINT AT BRIDGE END)



ENDPOST NO. 3B

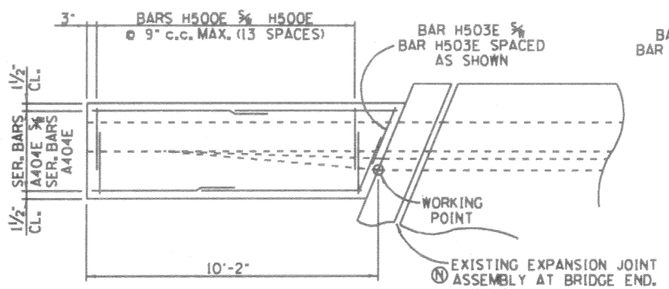


ENDPOST NO. 3B
(WITH EXPANSION JOINT AT BRIDGE END)

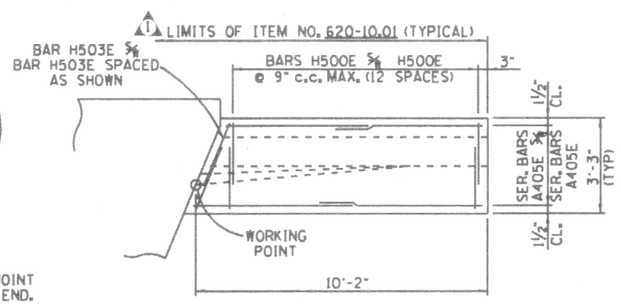


ENDPOST NO. 3A

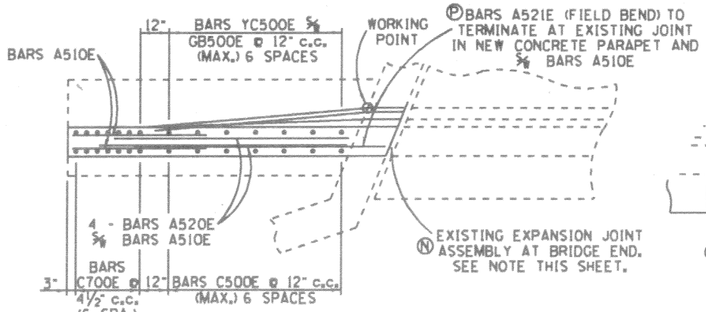
PLAN - SHOWING WINGPOST FOR SKEWS 30° - 49°
(WITH EXPANSION JOINT AT BRIDGE END)



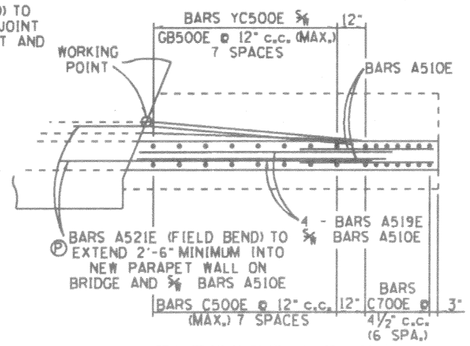
ENDPOST NO. 7A
(WITH EXPANSION JOINT AT BRIDGE END)



ENDPOST NO. 7B



ENDPOST NO. 7B
(WITH EXPANSION JOINT AT BRIDGE END)



ENDPOST NO. 7A

PLAN - SHOWING WINGPOST FOR SKEWS 70° - 90°

DESIGNED BY _____ DATE _____
DRAWN BY KEITH DOUGLAS DATE 9-92
SUPERVISED BY GENTRY & McINTURFF DATE 9-92
CHECKED BY McINTURFF DATE 9-92

ENDPOST NO. 3A AND 3B

(GOOD FOR SKEWS 30° THRU 49°)

BARS	SIZE	# REQ'D 3A	# REQ'D 3B	BENDING DIMENSIONS a	b	c	d	LENGTH
A400E	4	4		Ⓞ				32'-6"
A401E	4		4	Ⓡ				25'-0"
A510E	5	10	10					4'-8"
A511E	5	4						9'-9"
A512E	5		4					6'-6"
A513E	5	8	8					12'-0"
C500E	5	10	4	4'-10½"	9"			5'-7"
C700E	7	14	14	4'-5½"	9"			5'-2"
H500E	5	26	18	9"	2'-0"			4'-9"
H501E	5	6	6	9"	3'-7"			7'-11"
H505E	5	9	5	7½"	10"			2'-4"
GB500E	5	9	6	9"	2'-7½"	1'-6"	Ⓢ	4'-11"
YC500E	5	9	6	9"	9"	1'-3"	Ⓣ	4'-0"
GA400E	4	4	4	6"	5"	2'-5"	2'-0"	5'-0"

2 NOTE: SEE BAR BENDS ON DWG. NO. SBR-2-125.

Ⓝ NOTE: WHEN BRIDGE HAS EXISTING BITUMINOUS EXPANSION JOINT AT BRIDGE ENDS, THE NEW ENDPOST AND NEW PARAPET RAIL SHALL BE POURED CONTINUOUS WITH NO PROVISIONS FOR EXPANSION IN THE NEW CONCRETE PARAPET WALLS. WHEN BRIDGE HAS AN EXISTING STEEL PLATE EXPANSION JOINT AT BRIDGE ENDS, PROVISIONS SHALL BE MADE WHEN POURING THE NEW CONCRETE PARAPET WALL FOR THIS EXPANSION. EXPANSION OPENING SHALL MATCH THE EXISTING JOINT OPENING AT END OF BRIDGE. B/R

Ⓟ NOTE: BARS A5--E SHALL EXTEND 2'-6" MINIMUM INTO THE NEW CONCRETE PARAPET AT BRIDGE ENDS WHEN THERE IS NO EXISTING EXPANSION JOINT ASSEMBLY PRESENT. WHEN THE BRIDGE HAS AN EXISTING EXPANSION JOINT ASSEMBLY AT BRIDGE ENDS, THESE BARS SHALL BE FIELD CUT AND TERMINATE AT THE EXISTING JOINT. WHEN THE EXISTING BRIDGE HAS A BITUMINOUS JOINT AT BRIDGE ENDS, BARS A5--E ARE TO EXTEND THRU THIS EXISTING BITUMINOUS JOINT, AND THE NEW CONCRETE PARAPET SHALL BE POURED CONTINUOUS.

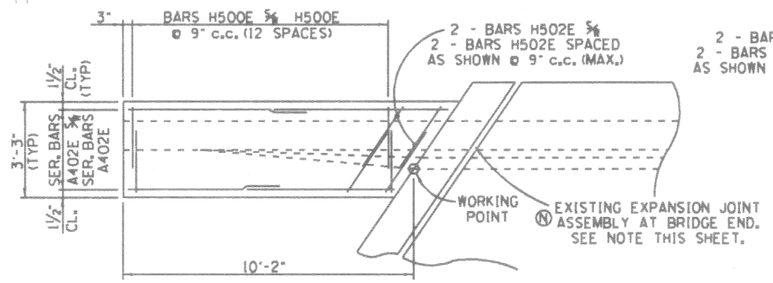
Ⓞ SERIES BARS - VARIES FROM 7'-8" TO 5'-4" IN INCREMENTS OF 7" (5 BARS)

PROJECT NO.	YEAR	SHEET NO.
	1988	

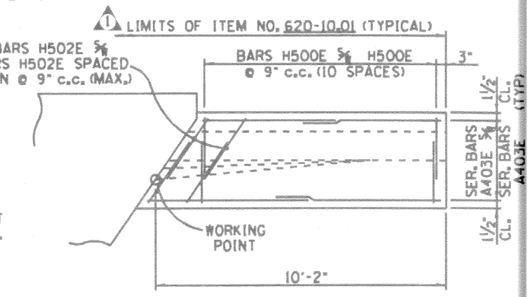
REVISIONS

NO.	DATE	BY	BRIEF DESCRIPTION
1	5-26-89	WWM	REVISED ENDPOST AND ITEM NUMBER
2	11-16-92	WWM	REVISED DRAWING NUMBERS
3	2-24-95	TO	REVISED SIGNATURES
4	1-4-96	TO	REVISED BR DRAWING NO. TO SBR DRAWING NO.

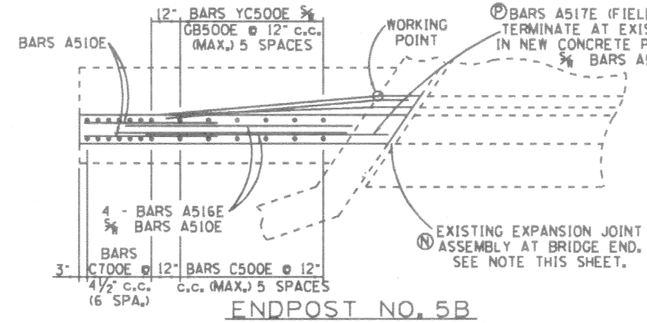
Ⓡ SERIES BARS - VARIES FROM 6'-2" TO 3'-10" IN INCREMENTS OF 7" (5 BARS)
Ⓢ DIMENSION "d" VARIES FROM ½" TO 8½"
Ⓣ DIMENSION "d" VARIES FROM ½" TO 10½"



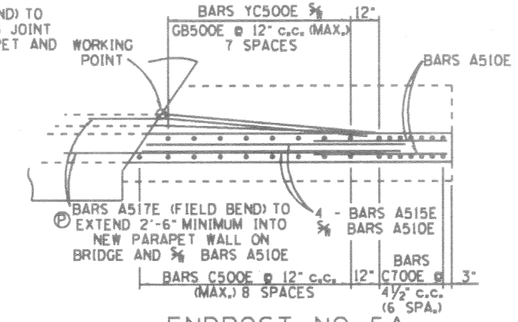
ENDPOST NO. 5A
(WITH EXPANSION JOINT AT BRIDGE END)



ENDPOST NO. 5B



ENDPOST NO. 5B
(WITH EXPANSION JOINT AT BRIDGE END)



ENDPOST NO. 5A

PLAN - SHOWING WINGPOST FOR SKEWS 50° - 69°

Ⓢ DIMENSION "d" VARIES FROM ½" TO 8½"
Ⓣ DIMENSION "d" VARIES FROM ½" TO 10½"
Ⓤ SERIES BARS - VARIES FROM 6'-2" TO 5'-8" IN INCREMENTS OF 1½" (5 BARS)
Ⓥ SERIES BARS - VARIES FROM 5'-10" TO 5'-4" IN INCREMENTS OF 1½" (5 BARS)
Ⓦ SERIES BARS - VARIES FROM 6'-10" TO 5'-6" IN INCREMENTS OF 4" (5 BARS)
Ⓧ SERIES BARS - VARIES FROM 6'-1" TO 4'-9" IN INCREMENTS OF 4" (5 BARS)

ENDPOST NO. 7A AND 7B

(GOOD FOR SKEWS 70° THRU 90°)

BARS	SIZE	# REQ'D 7A	# REQ'D 7B	BENDING DIMENSIONS a	b	c	d	LENGTH
A404E	4	4		Ⓤ				29'-7"
A405E	4		4	Ⓥ				27'-11
A510E	5	10	10					4'-8"
A519E	5	4						7'-9"
A520E	5		4					7'-0"
A521E	5	8	8					10'-3"
C500E	5	8	7	4'-10½"	9"			5'-7"
C700E	7	14	14	4'-5½"	9"			5'-2"
H500E	5	28	26	9"	2'-0"			4'-9"
H503E	5	2	2	9"	2'-3"			5'-3"
H505E	5	7	7	7½"	10"			2'-4"
GB500E	5	8	7	9"	2'-7½"	1'-6"	Ⓢ	4'-11"
YC500E	5	8	7	9"	9"	1'-3"	Ⓣ	4'-0"
GA400E	4	4	4	6"	5"	2'-5"	2'-0"	5'-0"

ENDPOST NO. 5A AND 5B

(GOOD FOR SKEWS 50° THRU 69°)

BARS	SIZE	# REQ'D 5A	# REQ'D 5B	BENDING DIMENSIONS a	b	c	d	LENGTH
A402E	4	4		Ⓦ				30'-10"
A403E	4		4	Ⓧ				27'-1"
A510E	5	10	10					4'-8"
A515E	5	4						8'-6"
A516E	5		4					6'-9"
A517E	5	8	8					11'-0"
C500E	5	9	6	4'-10½"	9"			5'-7"
C700E	7	14	14	4'-5½"	9"			5'-2"
H500E	5	26	22	9"	2'-0"			4'-9"
H502E	5	4	4	9"	2'-6"			5'-9"
H505E	5	8	6	7½"	10"			2'-4"
GB500E	5	8	6	9"	2'-7½"	1'-6"	Ⓢ	4'-11"
YC500E	5	8	6	9"	9"	1'-3"	Ⓣ	4'-0"
GA400E	4	4	4	6"	5"	2'-5"	2'-0"	5'-0"

2 NOTE: SEE BAR BENDS ON DWG. NO. SBR-2-125.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF HIGHWAYS

DETAILS SHOWING REPLACEMENT OF EXISTING BRIDGERAIL SYSTEM WITH NEW JERSEY SHAPE CONCRETE PARAPET AND NEW 10'-2" ENDPOST
1988

B/R MINOR REVISION - FHWA APPROVAL NOT REQUIRED

1 2 3 4 SBR-2-12

WITH DRAWINGS SBR-2-124 & SBR-2-125