

INTEROFFICE MEMORANDUM

DATE: June 30, 1983

TO: Bridge Design Squad Leaders
FROM: Veral Pinkerton, Bridge Engineer
SUBJECT: Preformed Compression Seals

In the future when checking preformed compression seal, make sure that a sketch of the seal with the top marked is included and is distributed to the Resident Engineer and Contractor.

See attached letter from District 9 Engineer.

JEM:bw
Encl.

INTEROFFICE MEMORANDUM

DATE: June 28, 1983

TO: Norman Pumphrey, State Construction Engineer
FROM: V. O. Selby, District 9 Engineer
SUBJECT: Preformed Modular Compression Seals

Last year on a bridge project, the preformed joint seal was installed upside down and had to be removed and reinstalled. This project was constructed by an experienced bridge contractor/foreman and was inspected by a knowledgeable and experienced inspector. But, the joint was still installed incorrectly.

Recently, the same incident occurred on another bridge project. After discussing the situation with the inspector, he stated that both he and the bridge foreman thought the seal was being installed in the proper position. It was also brought out that the shop drawings did not indicate the correct position by including a drawing or sketch of the joint seal. This may be caused by the steel fabricator not knowing who the joint supplier is at the time of his submittal and, therefore, can't include this information with his drawings.

To avoid future confusion when installing bridge joint seals, would you please consider and ask Bridge Design to submit to the Resident Engineer a picture, sketch, drawing, etc., of the approved seal configuration, showing the placement position in regard to the top of seal. This information could be made by a memo submittal after they have had a chance to review the seal for job approval.

Your consideration in this matter is appreciated.

JLB:m

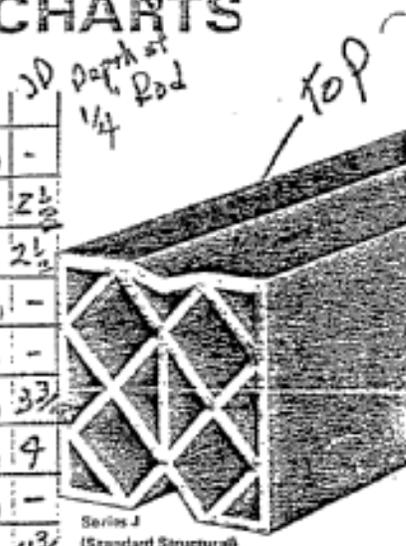
cc: Mr. Dan Flowers
Mr. Veral Pinkerton

DATE
11-3-81

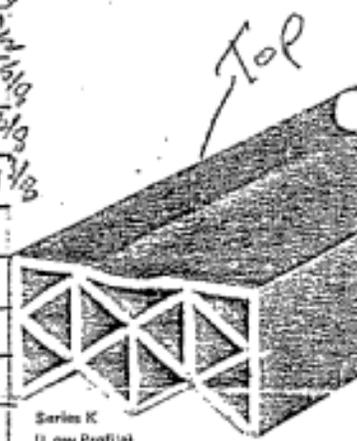
ACMASEAL SELECTION CHARTS

BRIDGE AND STRUCTURE SEALS

Style No.	W	H	W _{min}	MIW	W _{max}	M	CH	D min
J-125	1-1/4 (31.75)	1-5/16 (31.34)	.57 (14.48)	.74 (18.80)	1.05 (26.92)	.49 (12.45)	1-7/16 (35.51)	.37 (9.40)
J-162	1-5/8 (41.28)	1-5/8 (41.28)	.75 (19.05)	.97 (24.84)	1.28 (35.05)	.63 (16.00)	1-7/8 (47.63)	.55 (13.97)
J-175	1-3/4 (44.45)	2 (50.80)	.76 (19.30)	1.02 (25.91)	1.48 (37.85)	.72 (18.27)	2-3/16 (55.59)	.56 (14.22)
J-200	2 (50.80)	2-1/16 (52.39)	.92 (23.37)	1.19 (30.27)	1.70 (43.18)	.78 (19.81)	2-15/32 (62.71)	.52 (13.21)
J-225	2-1/4 (62.15)	2-5/8 (68.68)	1.06 (26.92)	1.36 (34.54)	1.91 (48.51)	.85 (21.59)	2-7/8 (73.03)	.58 (14.72)
J-250	2-1/2 (63.50)	2-3/4 (69.85)	1.15 (29.21)	1.49 (37.85)	2.12 (53.85)	.97 (24.64)	3-1/8 (79.38)	.69 (17.51)
J-300	3 (76.20)	3 (76.20)	1.30 (33.02)	1.74 (44.20)	2.55 (64.77)	1.25 (31.75)	3-11/16 (93.88)	.80 (20.32)
J-325	3-1/4 (82.55)	3-1/8 (79.38)	1.43 (36.32)	1.90 (48.26)	2.76 (70.10)	1.33 (33.78)	3-13/16 (96.84)	.81 (20.57)
J-350	3-1/2 (89.90)	3-1/2 (89.90)	1.47 (37.34)	2.01 (51.05)	2.97 (75.44)	1.50 (38.10)	4-1/8 (104.78)	.85 (21.59)
J-400	4 (101.60)	4-23/32 (119.80)	1.77 (44.98)	2.35 (59.69)	3.40 (86.36)	1.63 (41.40)	5-1/4 (133.35)	1.02 (25.91)
J-450	4-1/2 (114.30)	4-1/2 (114.30)	1.82 (46.23)	2.52 (64.01)	3.82 (97.03)	2.00 (50.80)	5-11/32 (139.73)	1.07 (27.18)
J-500	5 (127.00)	5-5/16 (134.94)	1.75 (44.45)	2.64 (67.06)	4.25 (107.95)	2.50 (63.50)	5-7/8 (148.22)	1.00 (25.4)
J-600	6 (152.40)	6-3/4 (168.05)	2.03 (51.56)	3.12 (79.25)	5.10 (129.54)	3.07 (77.98)	6-5/8 (168.27)	1.28 (32.51)
K-300	3 (76.20)	2-19/32 (65.88)	1.25 (31.75)	1.71 (43.43)	2.55 (64.77)	1.30 (33.02)	3.02 (76.71)	.62 (15.75)
K-350	3-1/2 (89.90)	2-1/2 (63.50)	1.25 (31.75)	1.86 (47.24)	2.97 (75.44)	1.72 (43.98)	3.0 (76.20)	.62 (15.75)
K-400	4 (101.60)	2-1/2 (63.50)	1.83 (41.40)	2.26 (57.40)	3.40 (86.36)	1.77 (44.96)	3.10 (78.74)	.88 (22.35)
K-500	5 (127.00)	3-1/4 (82.55)	2.00 (50.80)	2.89 (71.12)	4.25 (107.95)	2.25 (57.15)	3.62 (91.95)	1.25 (31.75)
K-600	6 (152.40)	4 (101.60)	2.25 (57.15)	3.27 (83.06)	5.10 (129.54)	2.85 (72.39)	4.37 (111.0)	1.50 (38.10)

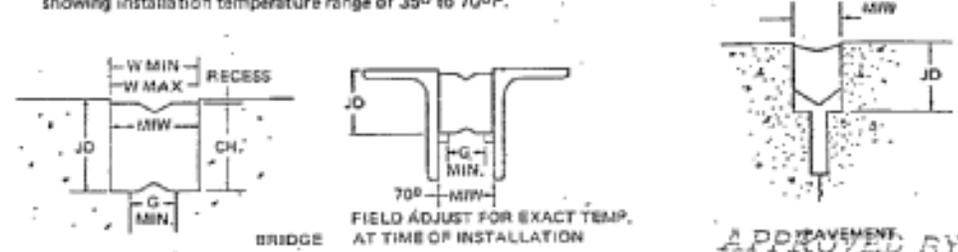


Series J
(Standard Structural)



Series K
(Low Profile)

NOTE: JW — The recommended joint width at the time of installation is considered the same as MIW or larger. When ambient temperatures are over 85°F the compression seal becomes difficult or impossible to install. See page 19 showing installation temperature range of 35° to 70°F.



DATE
11-03-81

APPROVED BY
Neal Pinkerton
BRIDGE ENGINEER