

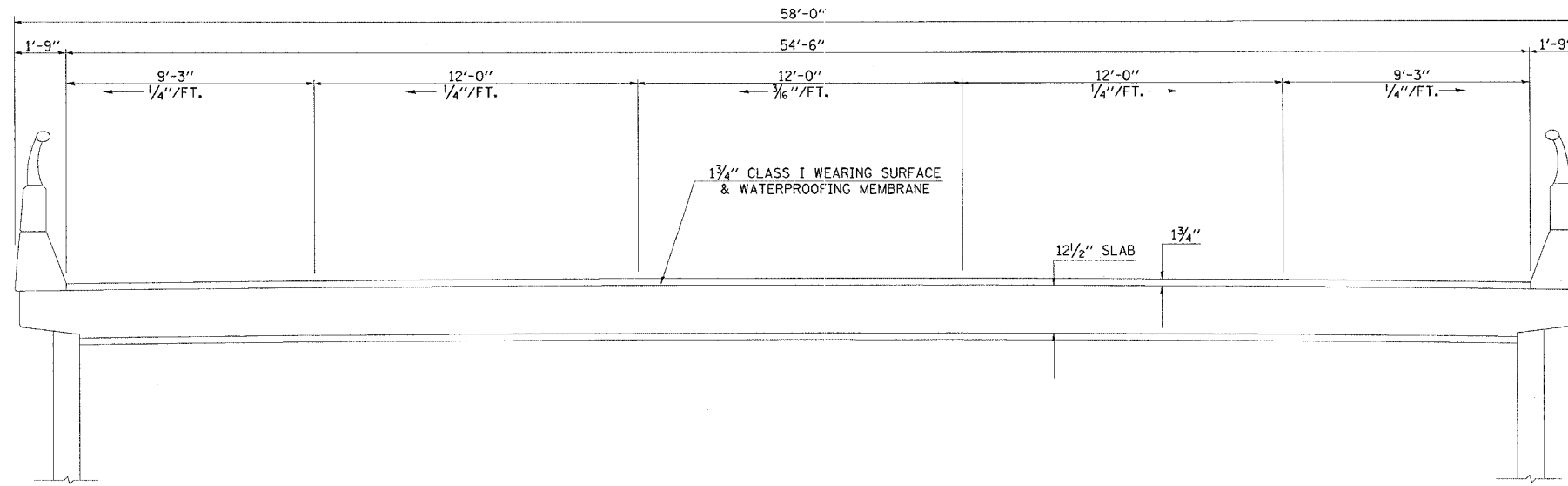
EXISTING TYPICAL CROSS SECTION

SPAN 1 & 4 - W.B. LANES
 STRUCTURE NO. 058-0068
 (LOOKING NORTH)

SHEET 2 of 13

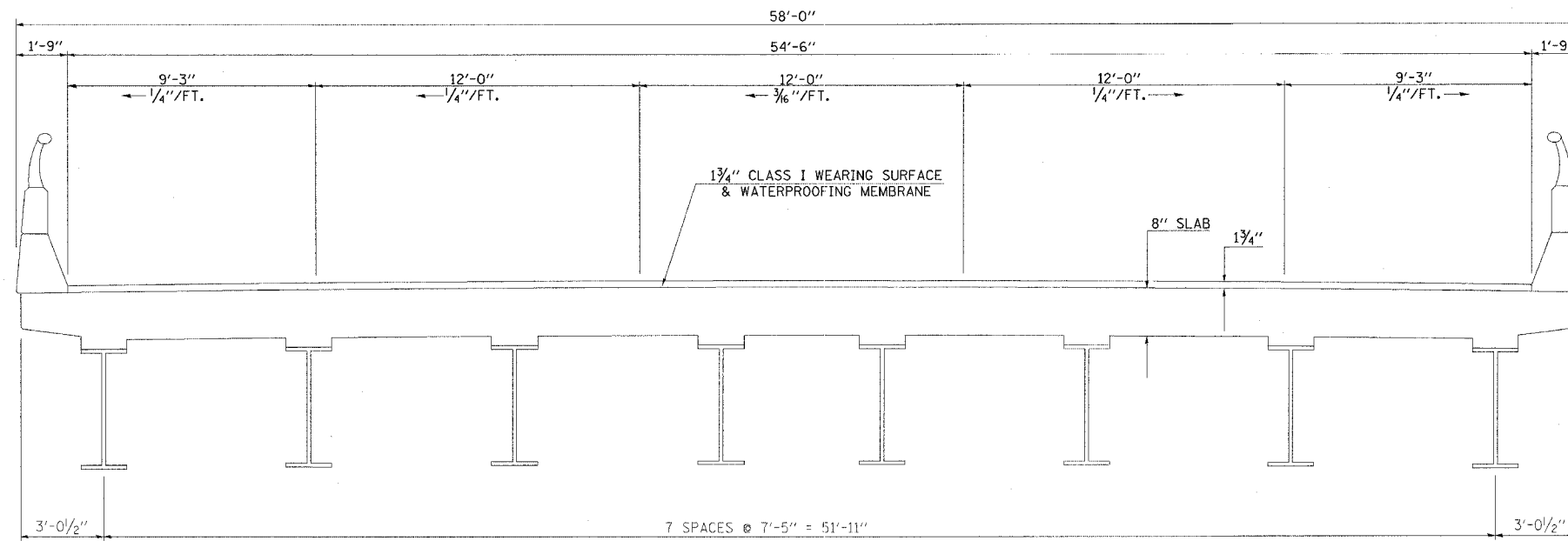
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72		MACON	135	71

•(58-62,58-62-1,58-63)RS
 CONTRACT NO. 90879



EXISTING TYPICAL CROSS SECTION

SPANS 2 & 3 - W.B. LANES
 STRUCTURE NO. 058-0068
 (LOOKING NORTH)



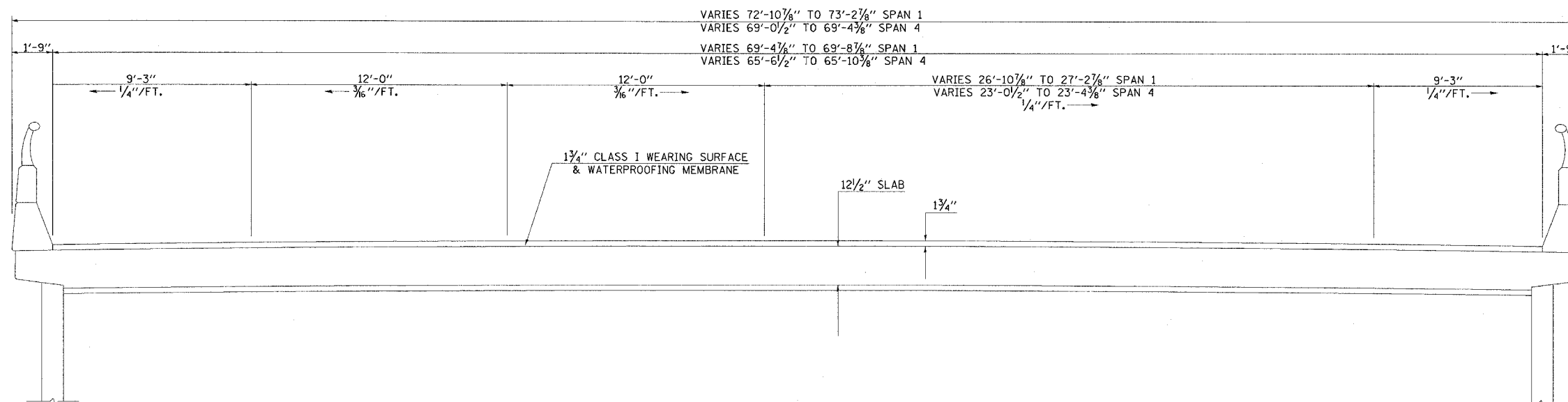
EXISTING TYPICAL CROSS SECTION

SHEET 3 of 13

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72		MACON	135	72

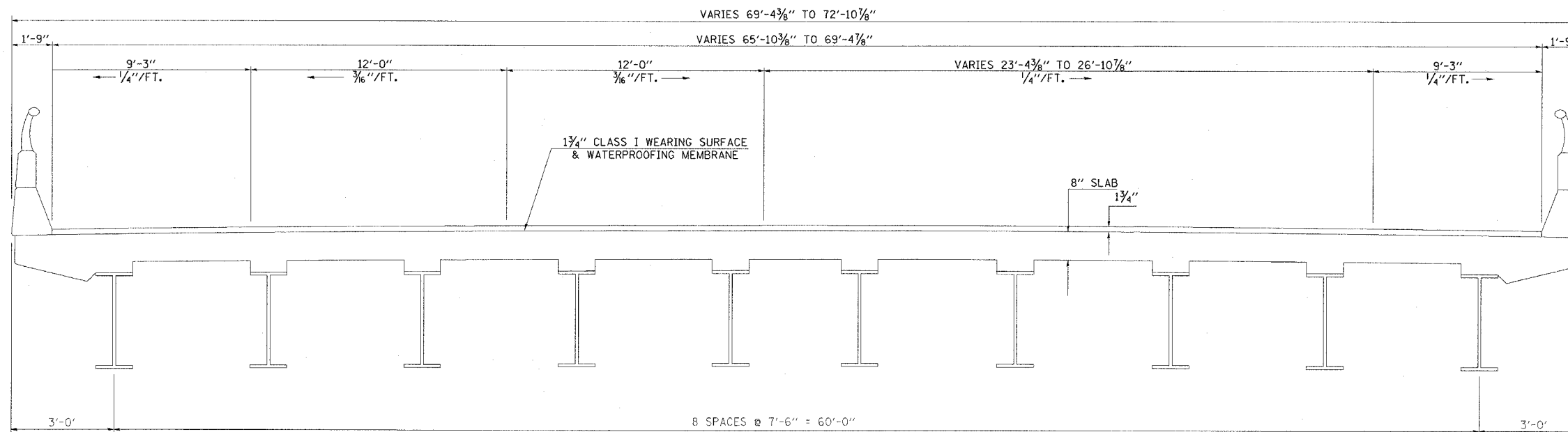
(58-62,58-62-1,58-63)RS
CONTRACT NO. 90879

SPAN 1 & 4 - E.B. LANES
STRUCTURE NO. 058-0069
(LOOKING NORTH)



EXISTING TYPICAL CROSS SECTION

SPANS 2 & 3 - E.B. LANES
STRUCTURE NO. 058-0069
(LOOKING NORTH)



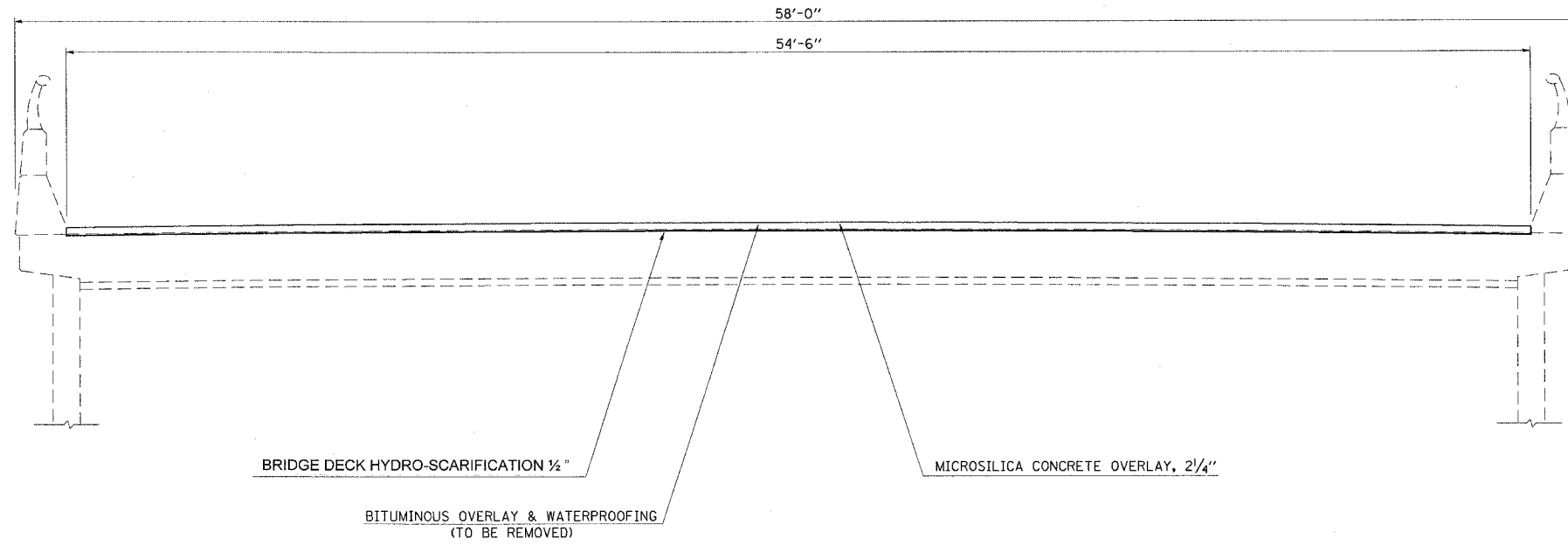
PROPOSED TYPICAL CROSS SECTION

SPAN 1 & 4- W.B. LANES
STRUCTURE NO. 058-0068
(LOOKING NORTH)

SHEET 4 of 13

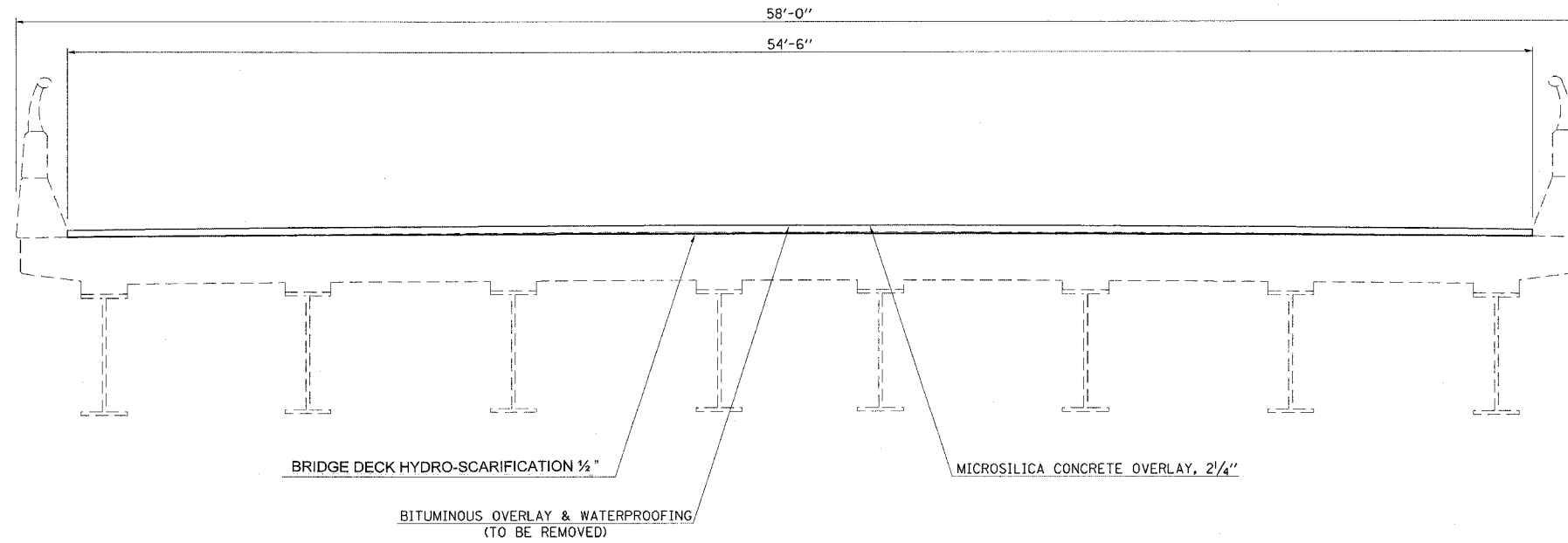
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72		MACON	135	73

*(58-62,58-62-1,58-63)RS
CONTRACT NO. 90879



PROPOSED TYPICAL CROSS SECTION

SPANS 2 & 3 - W.B. LANES
STRUCTURE NO. 058-0068
(LOOKING NORTH)



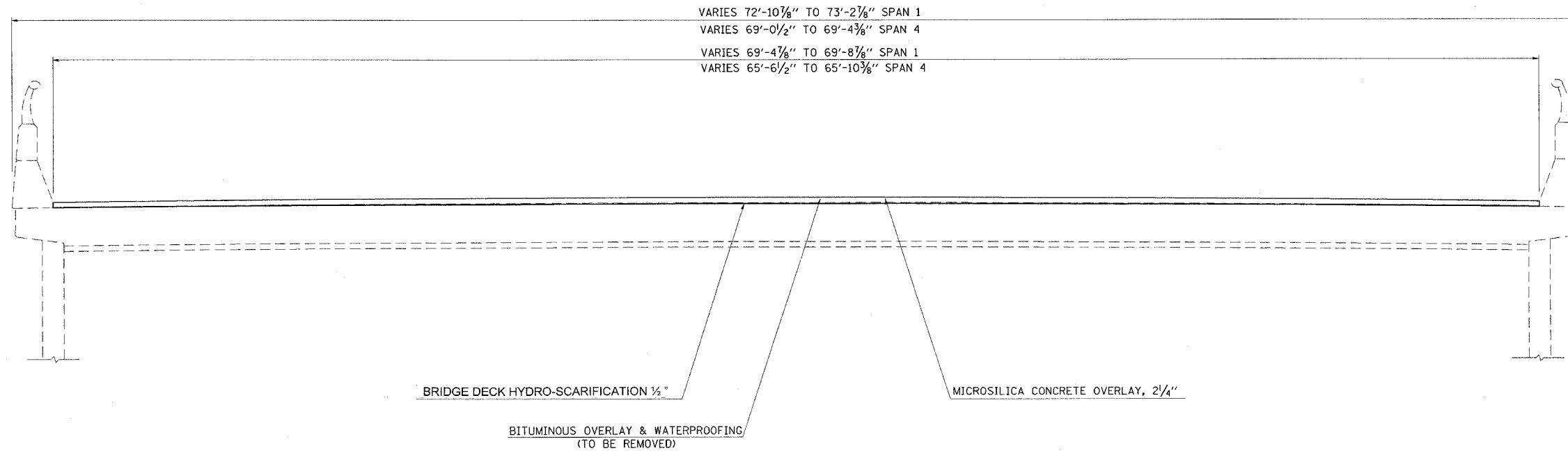
PROPOSED TYPICAL CROSS SECTION

SHEET 5 of 13

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72		MACON	135	74

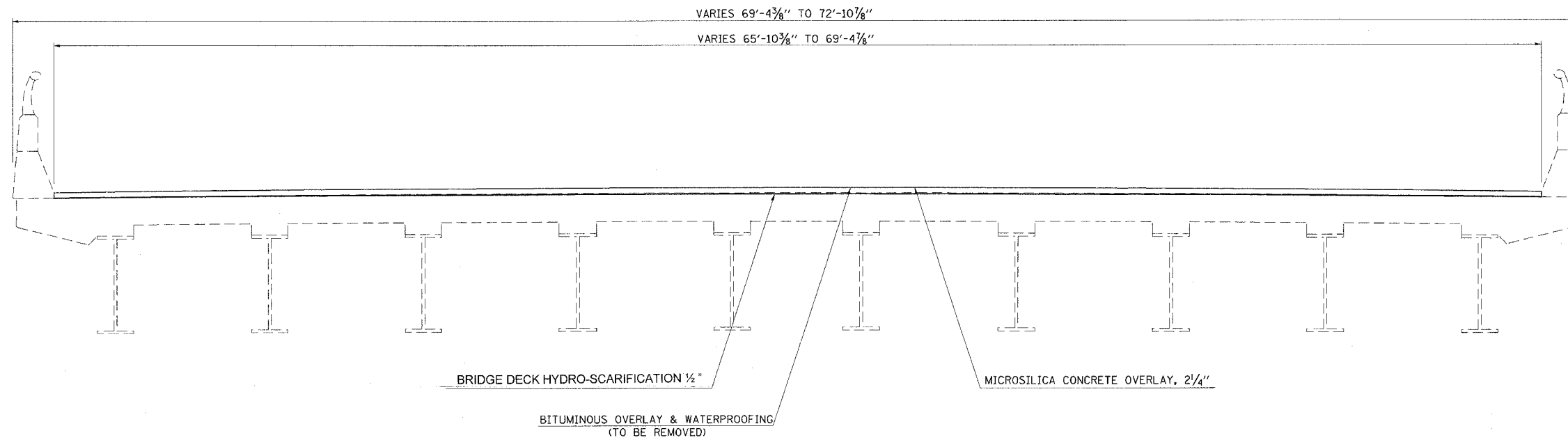
SPAN 1 & 4- E.B. LANES
 STRUCTURE NO. 058-0069
 (LOOKING NORTH)

•(58-62,58-62-1,58-63)RS
 CONTRACT NO. 90879



PROPOSED TYPICAL CROSS SECTION

SPANS 2 & 3 - E.B. LANES
 STRUCTURE NO. 058-0069
 (LOOKING NORTH)



F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
T2		MACON	135	75

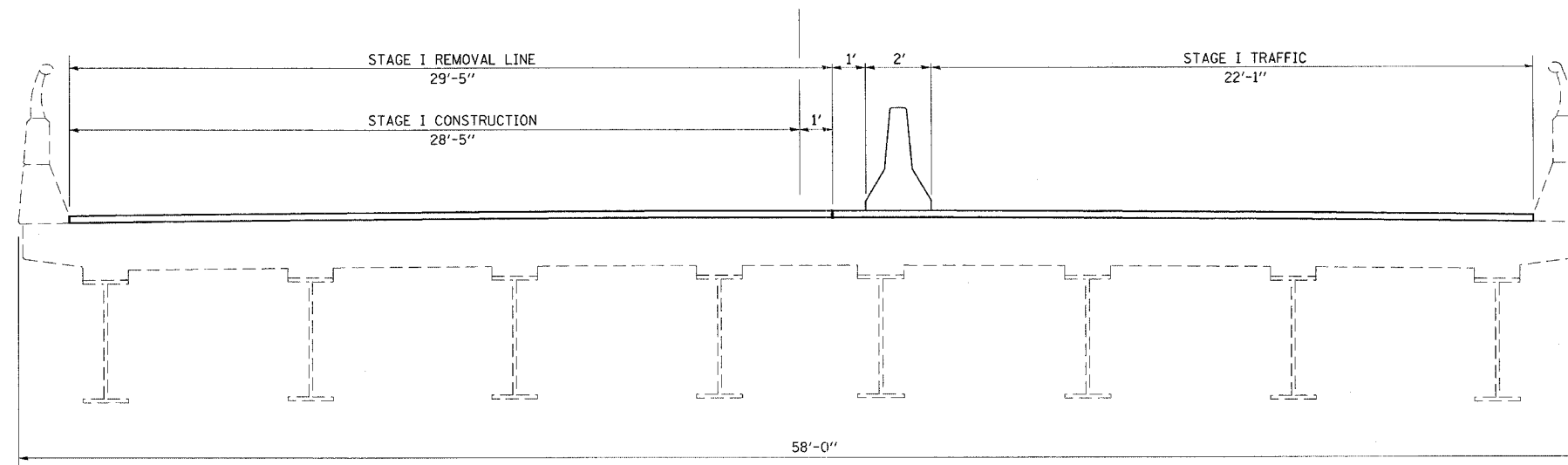
•(58-62,58-62-1,58-63)RS
CONTRACT NO. 90879

STAGING DETAILS

STRUCTURE NO. 058-0068 W.B.

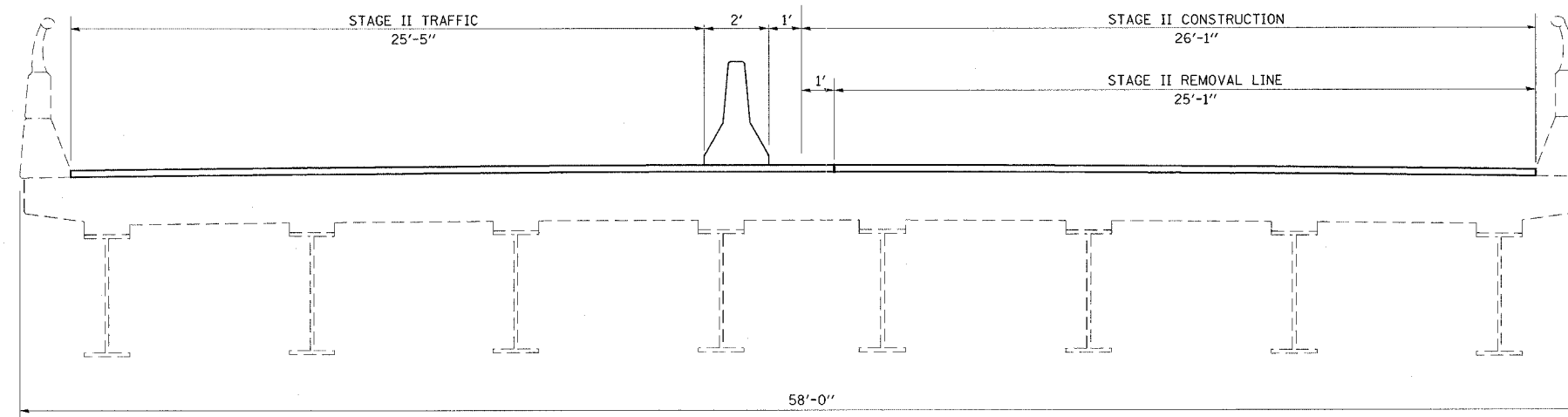
STAGE I CONSTRUCTION

LOOKING SOUTH



STAGE II CONSTRUCTION

LOOKING SOUTH



F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72		MACON	135	76

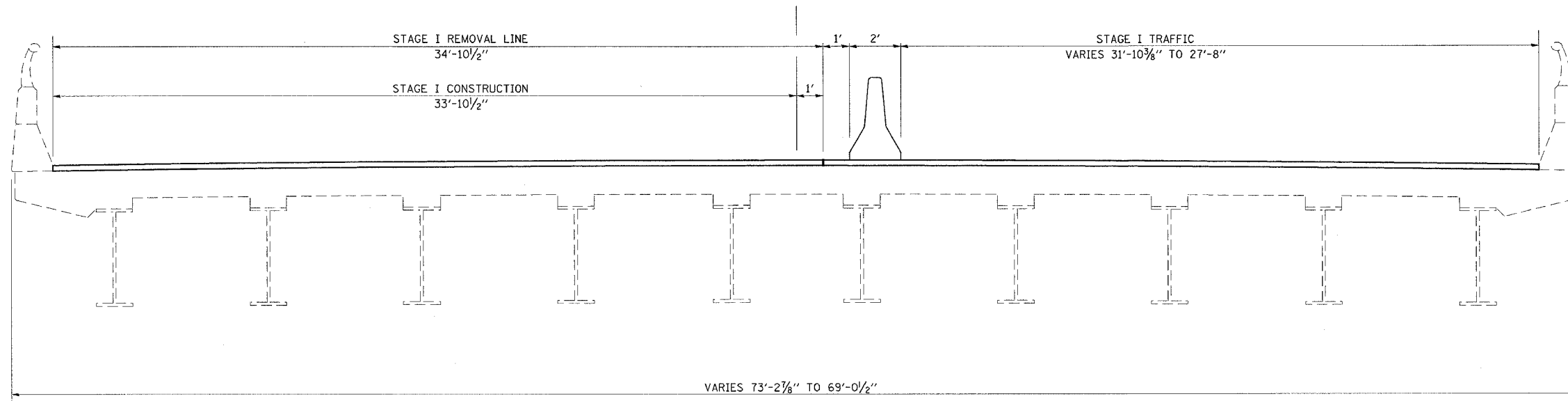
•(58-62,58-62-1,58-63)RS
CONTRACT NO. 90879

STAGING DETAILS

STRUCTURE NO. 058-0069 E.B.

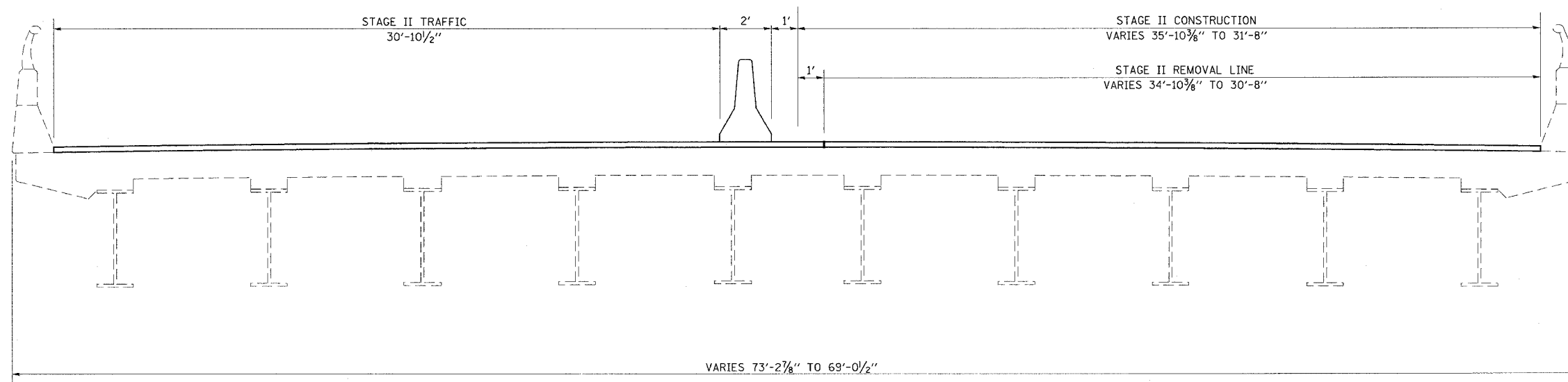
STAGE I CONSTRUCTION

LOOKING NORTH



STAGE II CONSTRUCTION

LOOKING NORTH



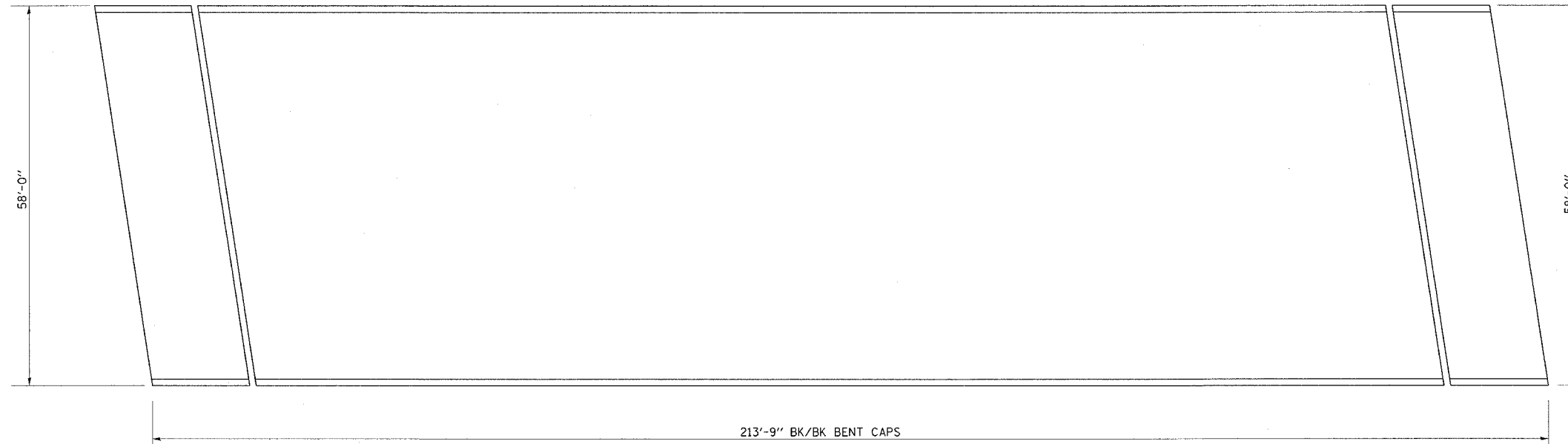
LOCATION OF FULL DEPTH PATCHING

S.N. 058-0068 WEST BOUND

SHEET 9 of 13

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	-	MACON	135	78

• (58-62,58-62-1,58-63)RS
CONTRACT NO. 90879



PLAN VIEW OF AS-BUILT PATCHES

NOTE: THE ENGINEER SHALL SHOW ACTUAL LOCATIONS OF DECK REPAIRS ON AS-BUILT PLANS.

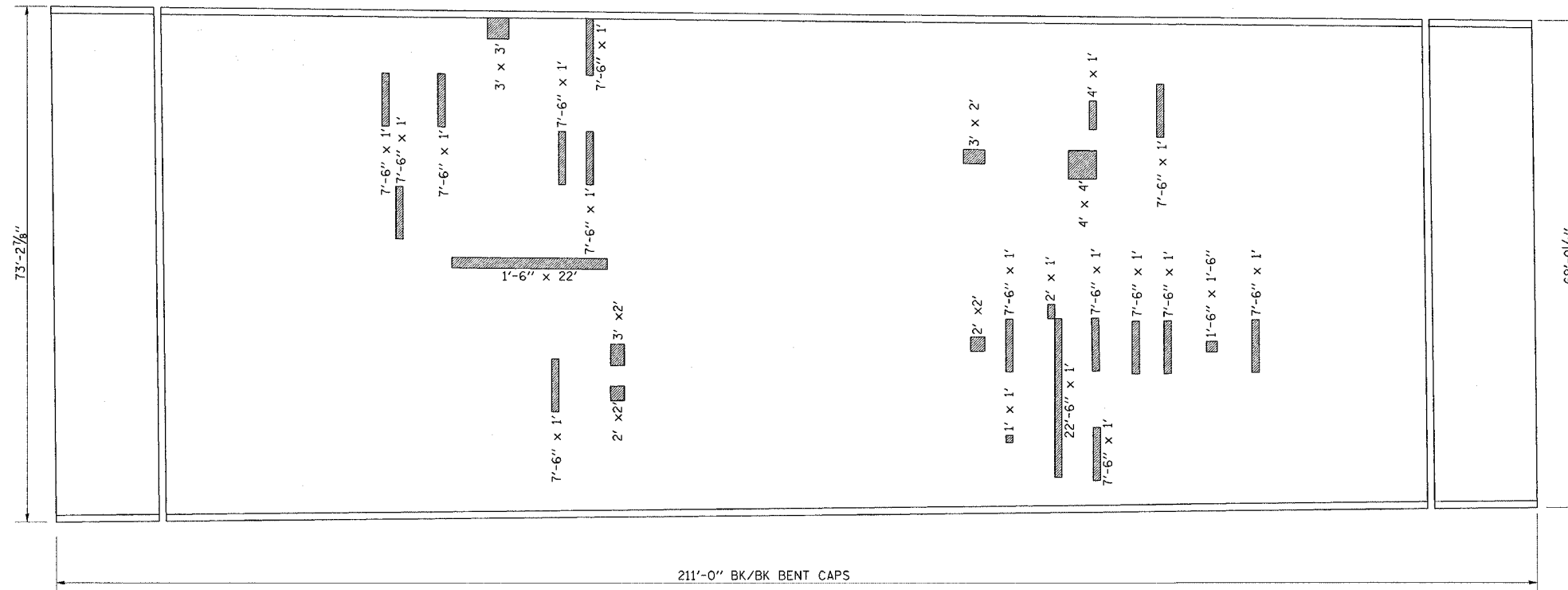
LOCATION OF FULL DEPTH PATCHING

S.N. 058-0069 EAST BOUND

SHEET 10 of 13

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72		MACON	135	79

(58-62,58-62-1,58-63)RS
CONTRACT NO. 90879




PLAN DECK REPAIR

NOTES:

AREAS OF DECK REPAIRS SHOWN ARE ESTIMATED.
THE ENGINEER SHALL SHOW ACTUAL LOCATIONS OF
DECK REPAIRS ON AS-BUILT PLANS.

DATE OF DECK SURVEY: 2-10-2003

 FULL DEPTH PATCHES

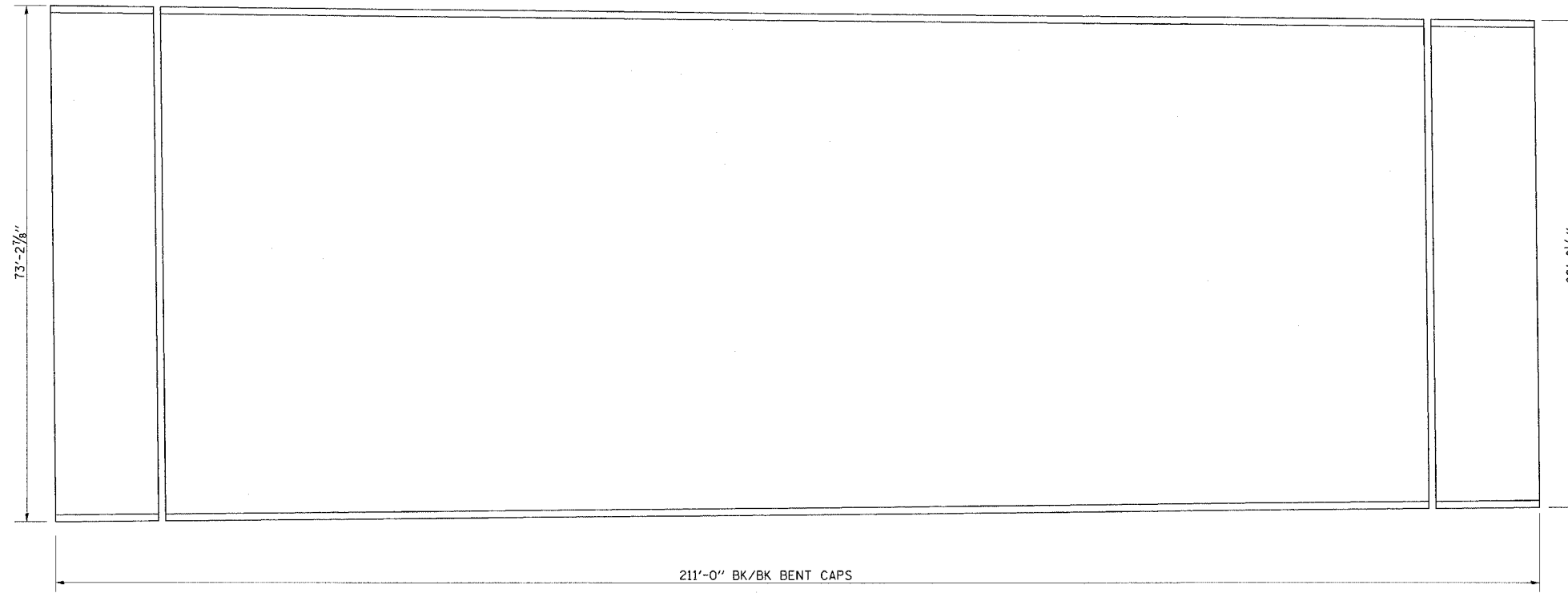
LOCATION OF FULL DEPTH PATCHING

S.N. 058-0069 EAST BOUND

SHEET 11 of 13

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72		MACON	135	80

• (58-62,58-62-1,58-63)RS
CONTRACT NO. 90879



PLAN VIEW OF AS-BUILT PATCHES

NOTE: THE ENGINEER SHALL SHOW ACTUAL LOCATIONS OF DECK REPAIRS ON AS-BUILT PLANS.

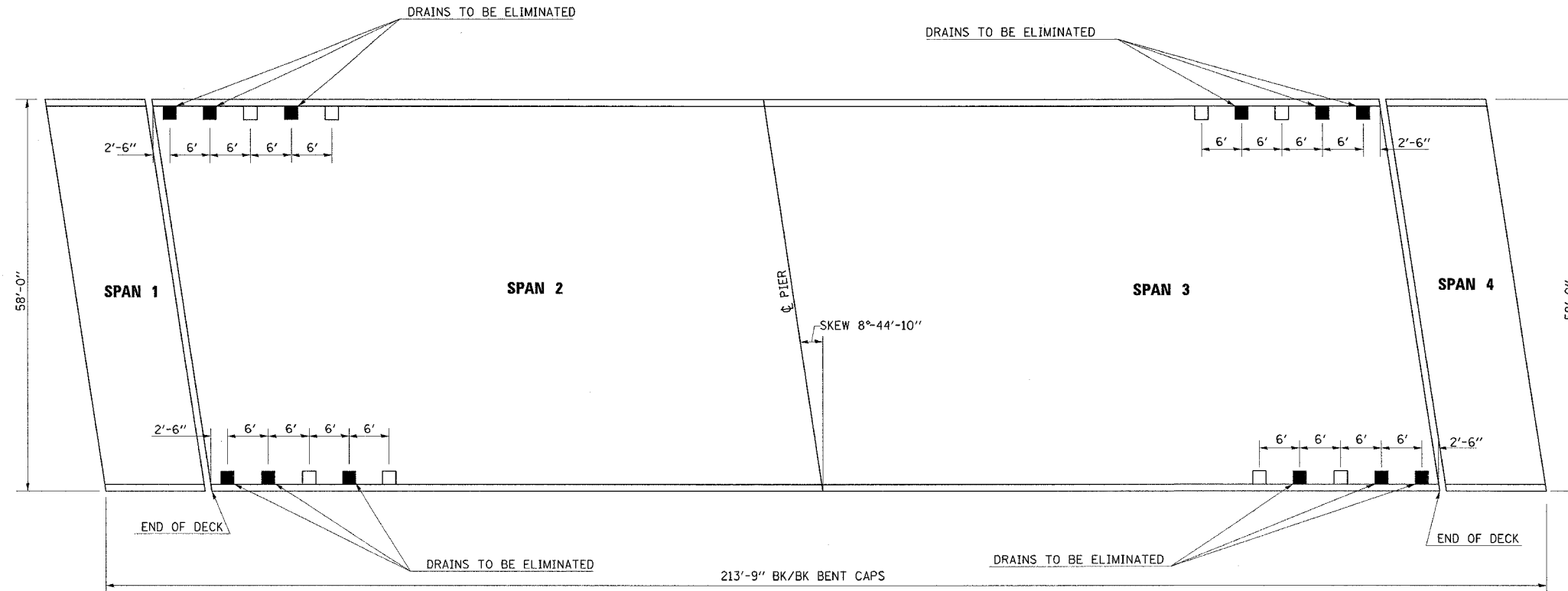
LOCATION OF DRAINS

S.N. 058-0068 WEST BOUND

SHEET 12 of 13

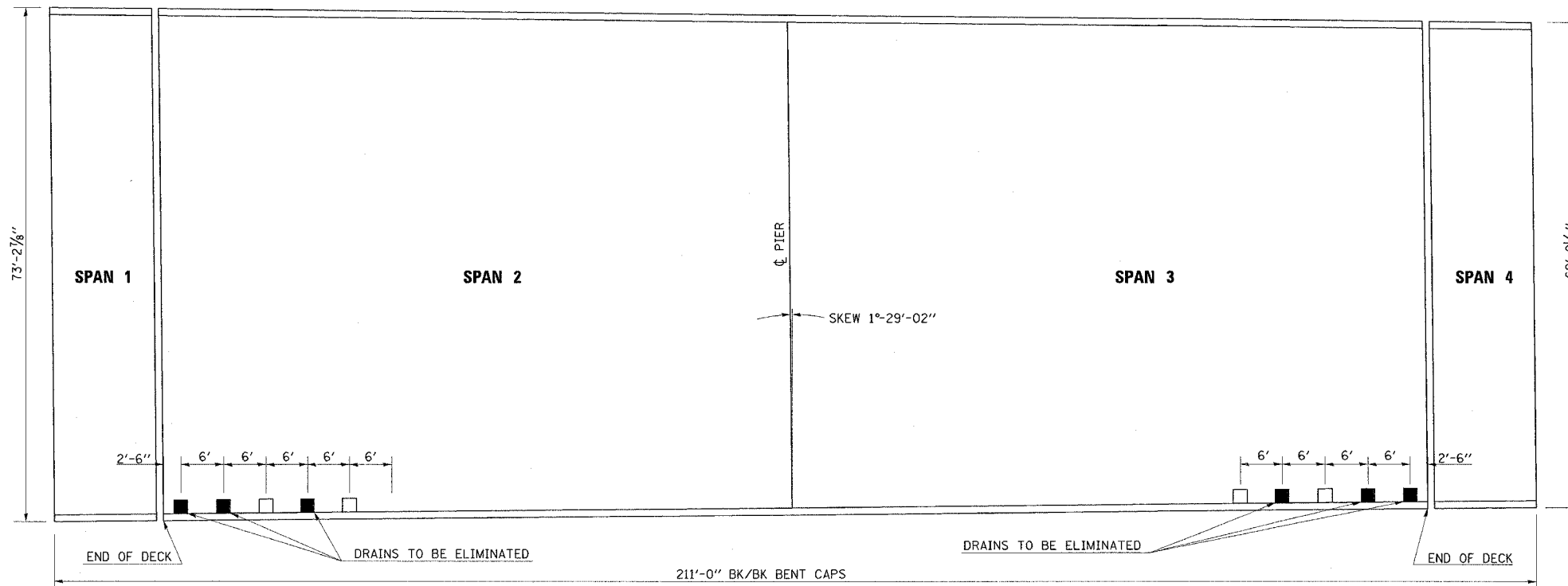
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	.	MACON	135	81

(58-62,58-62-1,58-63)RS
CONTRACT NO. 90879



LOCATION OF DRAINS

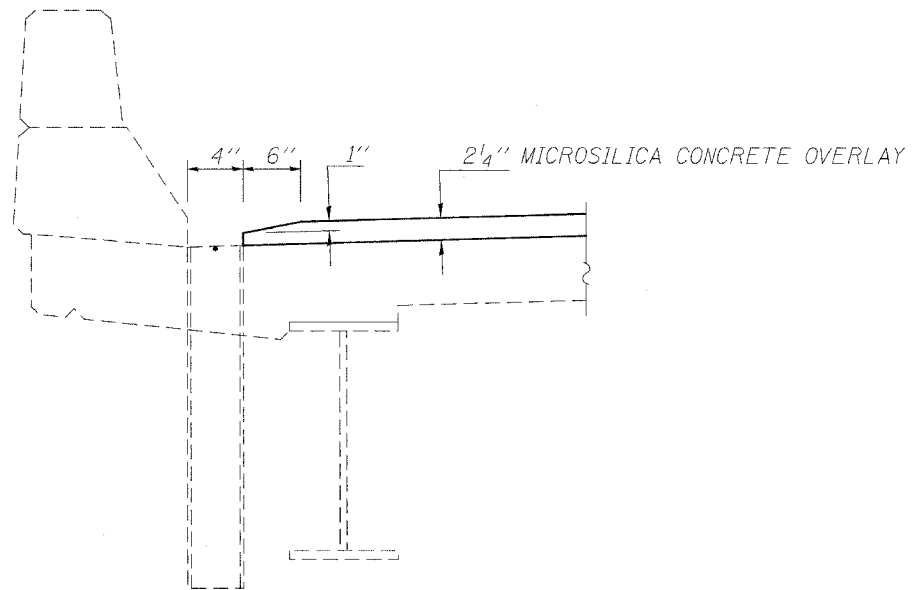
S.N. 058-0069 EAST BOUND



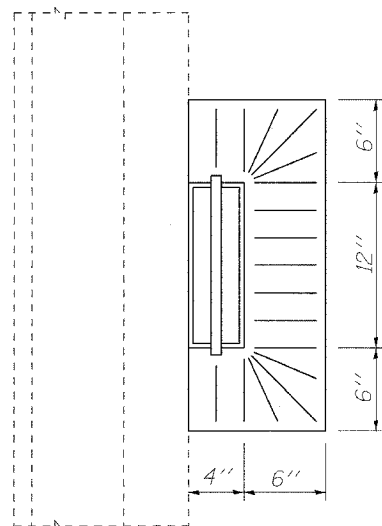
F.A.I. SHEETS	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	*	MACON	135	82

• (58-62,58-62-1,58-63)RS
CONTRACT NO. 90879

DETAIL OF DRAIN AT CURB



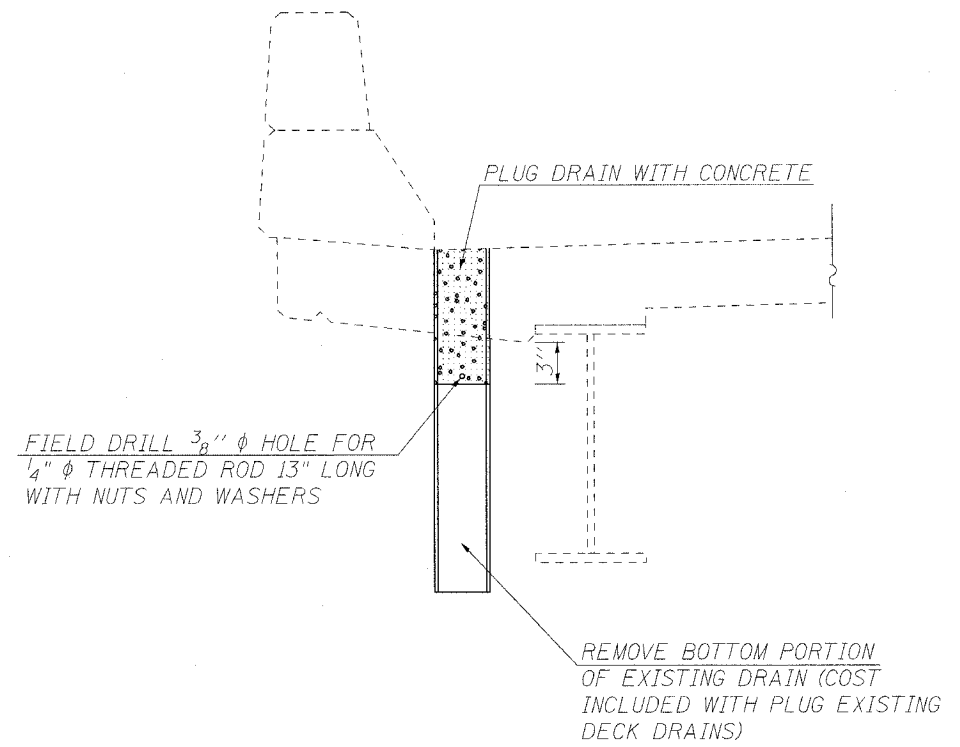
SECTION AT DRAIN



PLAN VIEW

DRAIN ELIMINATION DETAIL

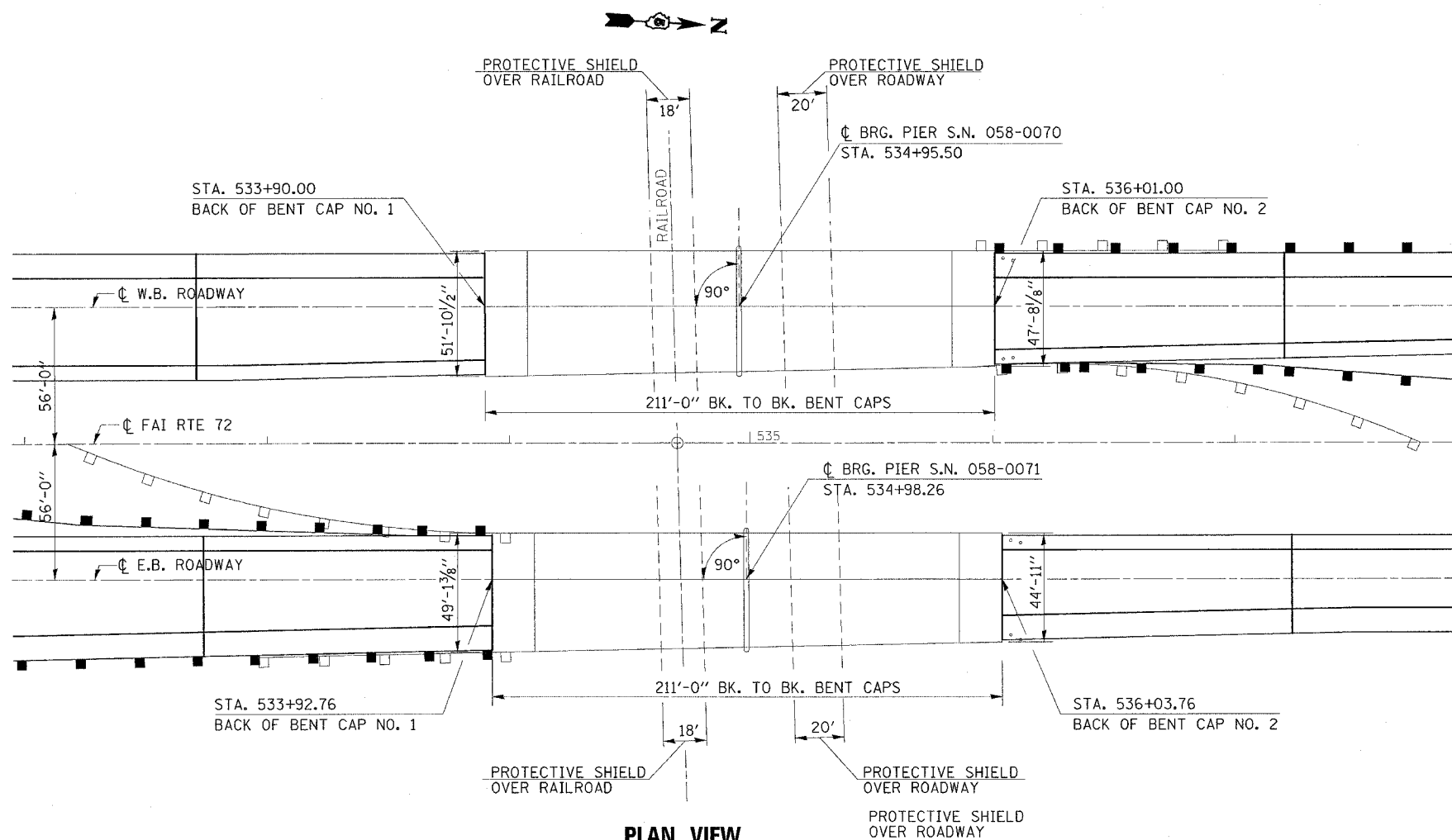
SECTION AT DRAIN



F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	*	MACON	135	83

(58-62,58-62-1,58-63)RS
CONTRACT NO. 90879

SHEET 1 OF 13



PLAN VIEW
S. N. 058-0070 W. B.
S. N. 058-0071 E. B.

GENERAL NOTES

PLAN DIMENSIONS AND DETAILS RELATIVE TO THE STRUCTURE HAVE BEEN TAKEN FROM EXISTING PLANS AND ARE SUBJECT TO NOMINAL CONSTRUCTION VARIATIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY SUCH DIMENSIONS AND DETAILS IN THE FIELD AND MAKE THE NECESSARY APPROVED ADJUSTMENTS PRIOR TO CONSTRUCTION OR ORDERING OF MATERIALS. SUCH VARIATIONS SHALL NOT BE CAUSE FOR ADDITIONAL COMPENSATION FOR A CHANGE IN THE SCOPE OF WORK, HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED AT THE CONTRACT UNIT PRICE FOR THE WORK.

NOTE: SEE EXISTING ROADWAY INFORMATION SYSTEM DETAIL AND SPECIAL PROVISION.

TOTAL BILL OF MATERIALS

ITEM	UNITS	TOTAL	S. N. 058-0070	S. N. 058-0071
BITUMINOUS CONCRETE REMOVAL (DECK)	SQ YD	3,095.0	1,553.0	1,542.0
FLOOR DRAINS	EACH	24.0	12.0	12.0
BRIDGE DECK GROOVING	SQ YD	2,002.0	1,033.0	969.0
BRIDGE DECK HYDRO-SCARIFICATION	SQ YD	2,096.0	1,080.0	1,016.0
DECK SLAB REPAIR (FULL DEPTH, TYPE I)	SQ YD	12.0	6.0	6.0
DECK SLAB REPAIR (FULL DEPTH, TYPE II)	SQ YD	17.0	11.0	6.0
BRIDGE DECK MICROSILICA CONCRETE OVERLAY 2 1/4"	SQ YD	2,096.0	1,080.0	1,016.0
PROTECTIVE SHIELD	SQ YD	410.0	199.0	211.0
APPROACH SLAB REPAIR (PARTIAL)	SQ YD	9.0	3.0	6.0

S.N. 058-0070
S.N. 058-0071

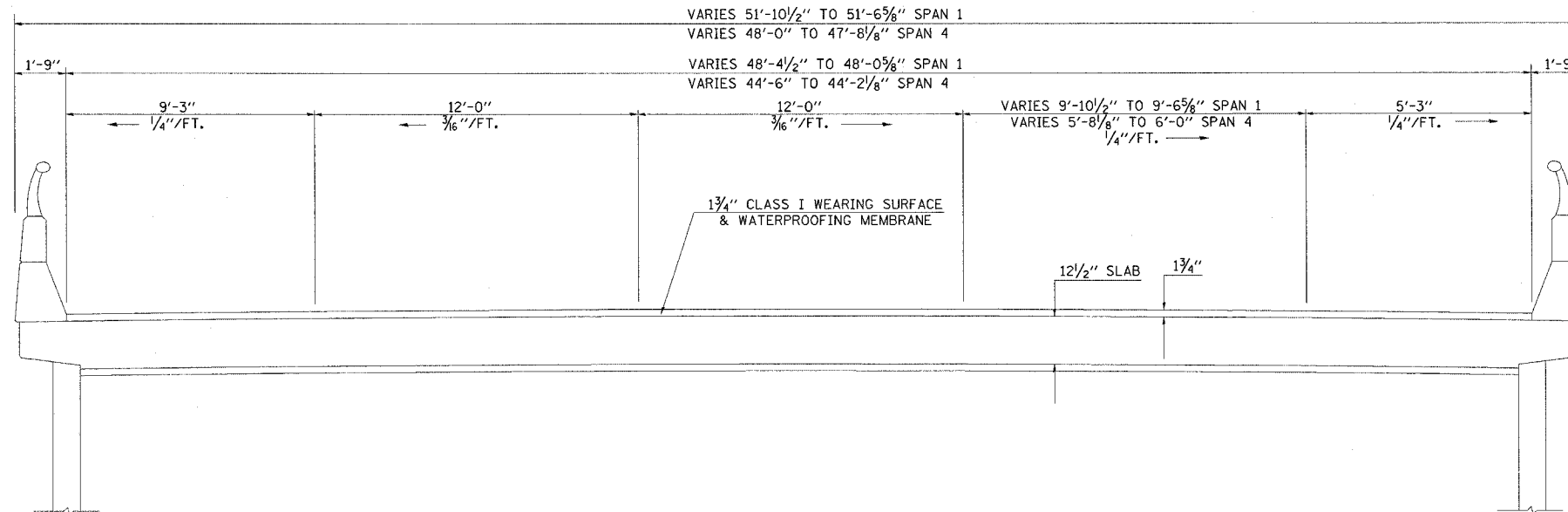
EXISTING TYPICAL CROSS SECTION

SHEET 2 of 13

F.A.I. R.T.E. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	*	MACON	135	84

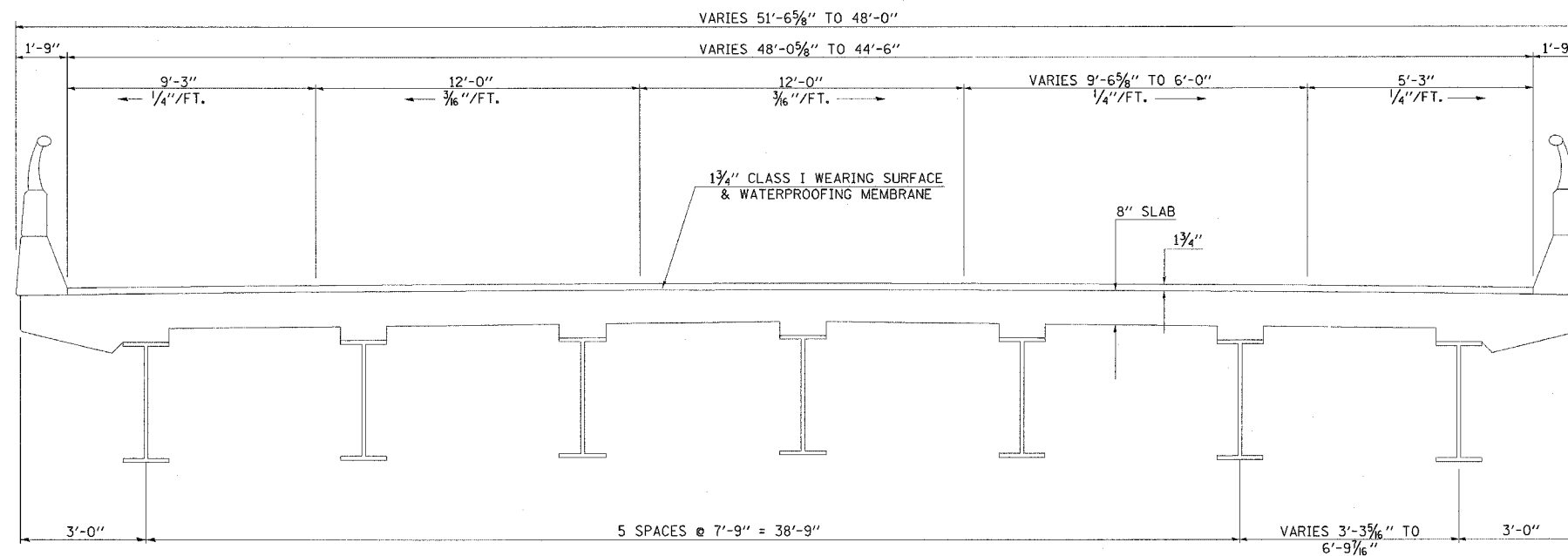
*(58-62,58-62-1,58-63)RS
CONTRACT NO. 90879

SPAN 1 & 4- W.B. LANES
STRUCTURE NO. 058-0070
(LOOKING NORTH)



EXISTING TYPICAL CROSS SECTION

SPANS 2 & 3 - W.B. LANES
STRUCTURE NO. 058-0070
(LOOKING NORTH)



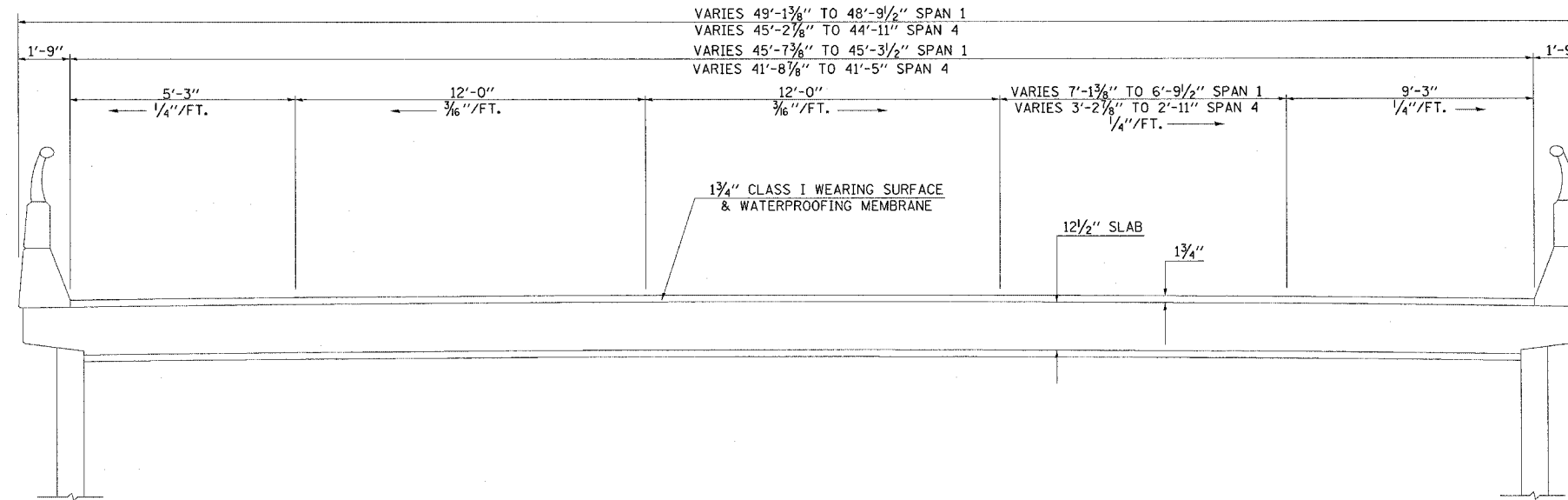
EXISTING TYPICAL CROSS SECTION

SPAN 1 & 4 - E.B. LANE
 STRUCTURE NO. 058-0071
 (LOOKING NORTH)

SHEET 3 of 13

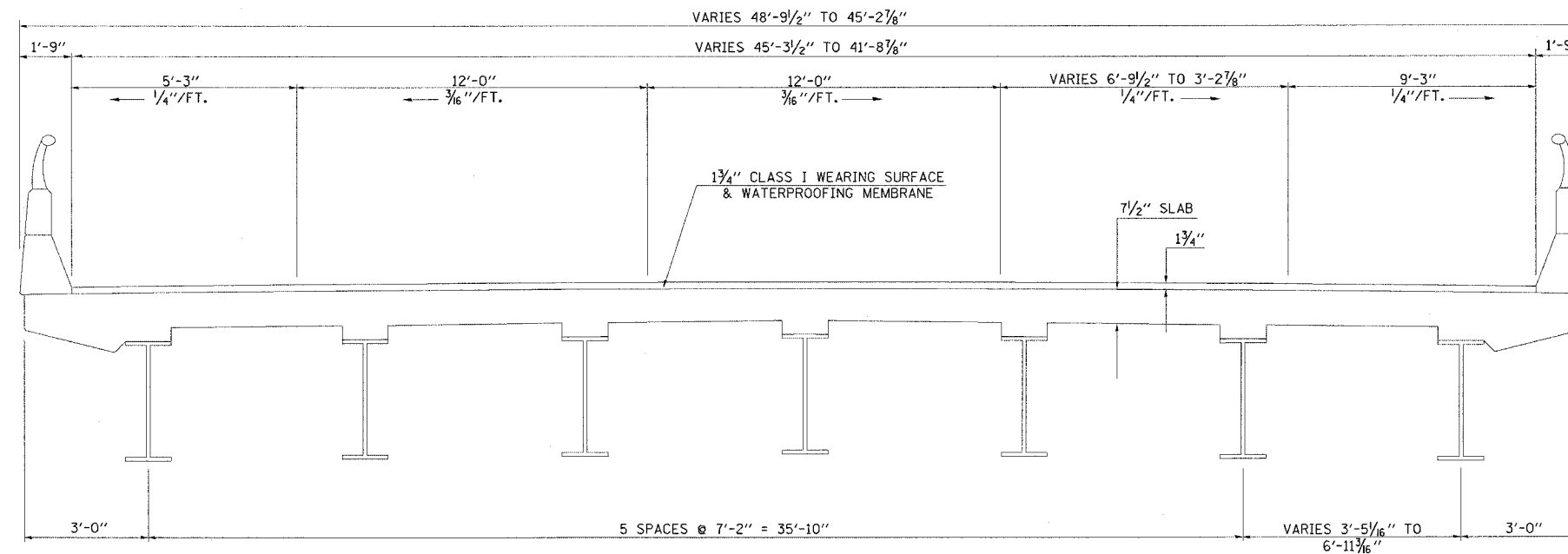
F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72		MACON	135	85

•(58-62,58-62-1,58-63)RS
 CONTRACT NO. 90879



EXISTING TYPICAL CROSS SECTION

SPANS 2 & 3 - E.B. LANES
 STRUCTURE NO. 058-0071
 (LOOKING NORTH)

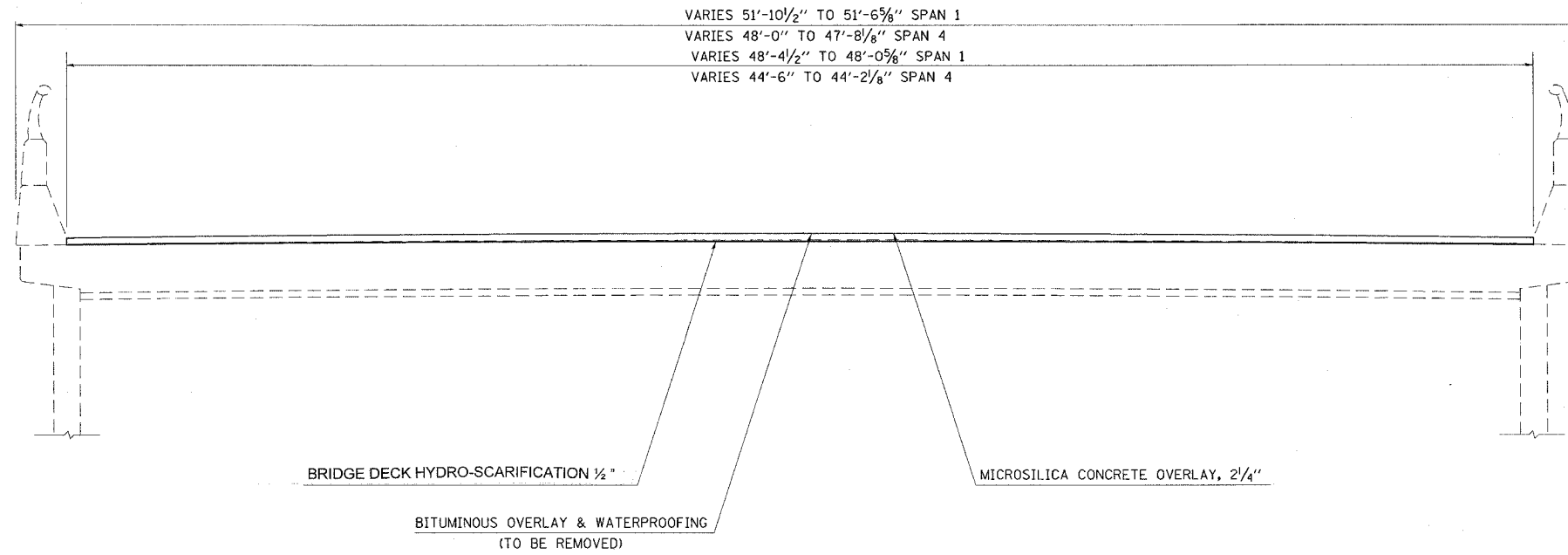


F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	*	MACON	135	86

*(58-62,58-62-1,58-63)RS
CONTRACT NO. 90879

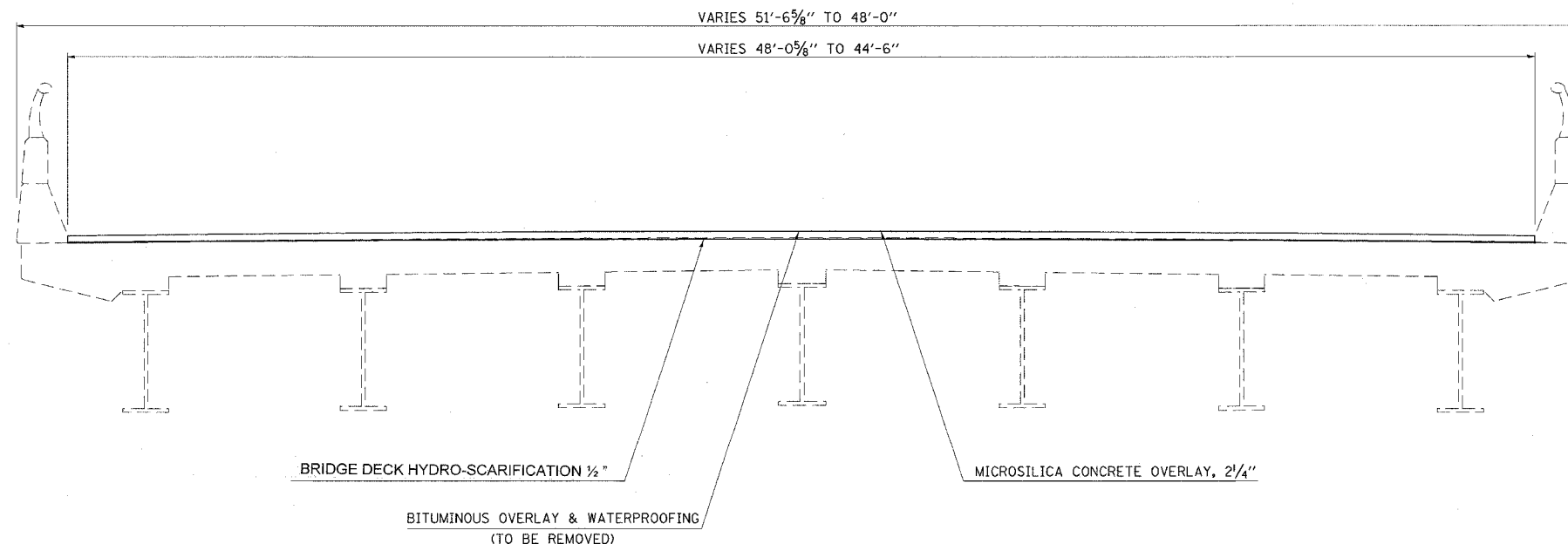
PROPOSED TYPICAL CROSS SECTION

SPAN 1 & 4- W.B. LANES
STRUCTURE NO. 058-0070
(LOOKING NORTH)



PROPOSED TYPICAL CROSS SECTION

SPANS 2 & 3 - W.B. LANES
STRUCTURE NO. 058-0070
(LOOKING NORTH)

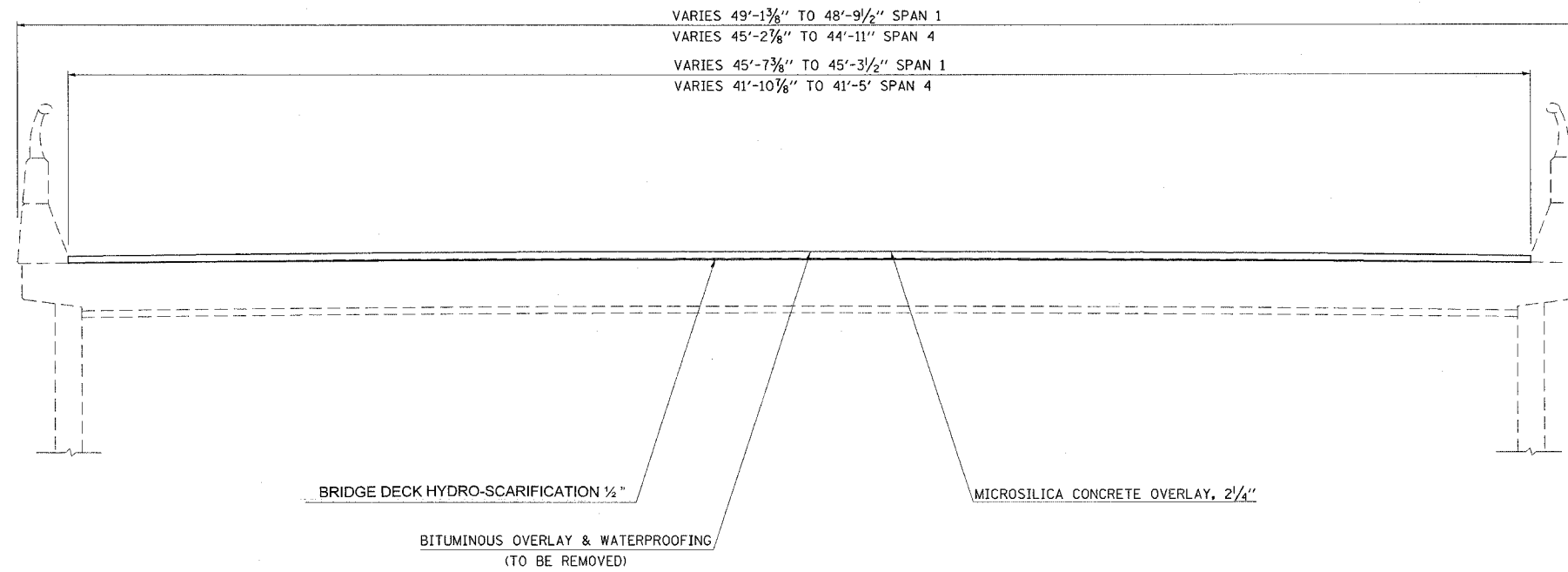


F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	*	MACON	135	87

•(58-62,58-62-1,58-63)RS
CONTRACT NO. 90879

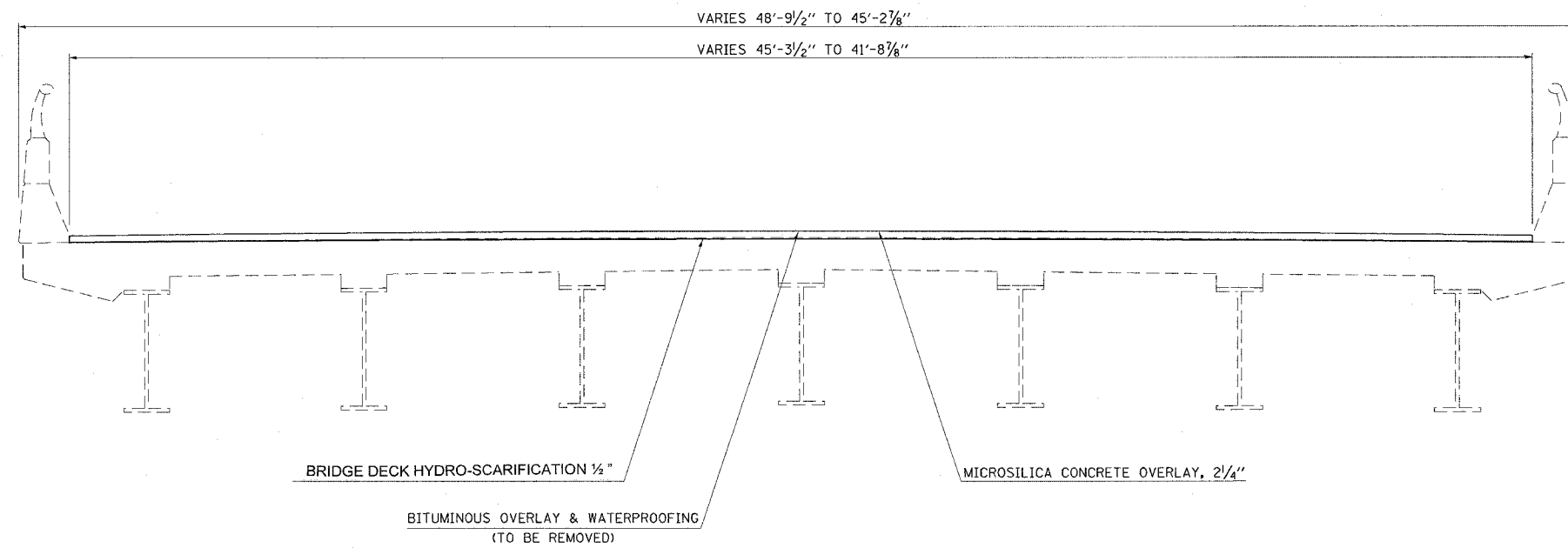
PROPOSED TYPICAL CROSS SECTION

SPAN 1 & 4- E.B. LANES
STRUCTURE NO. 058-0071
(LOOKING NORTH)



PROPOSED TYPICAL CROSS SECTION

SPANS 2 & 3 - E.B. LANES
STRUCTURE NO. 058-0071
(LOOKING NORTH)



F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	*	MACON	135	88

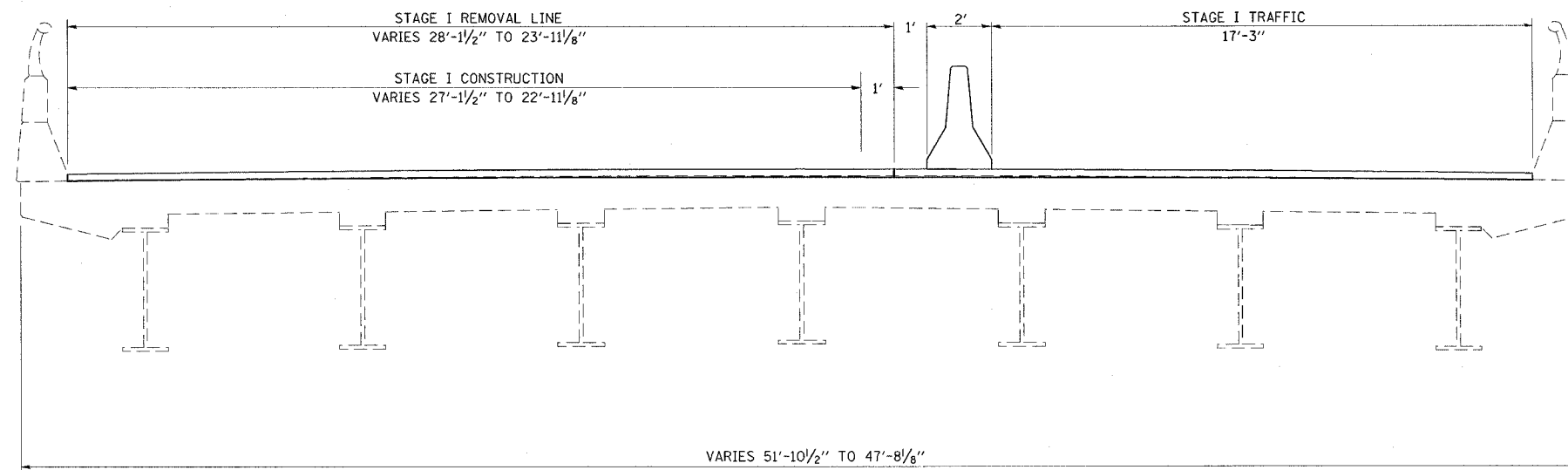
•(58-62,58-62-1,58-63)RS
CONTRACT NO. 90879

STAGING DETAILS

STRUCTURE NO. 058-0070 W.B.

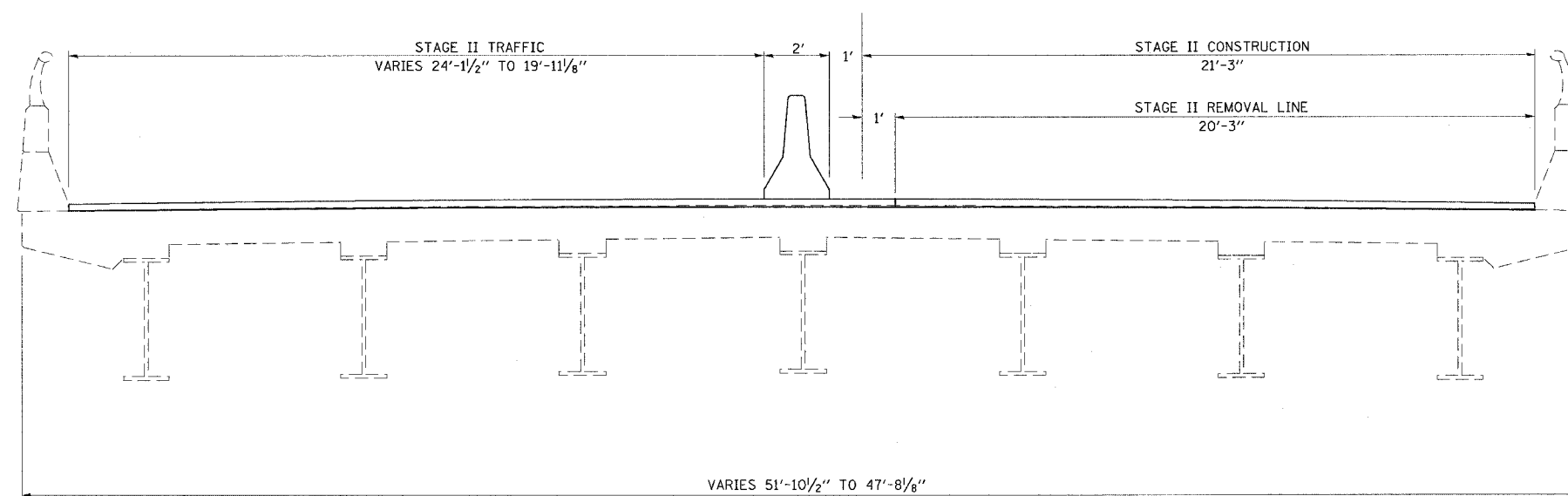
STAGE I CONSTRUCTION

LOOKING SOUTH



STAGE II CONSTRUCTION

LOOKING SOUTH



F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72		MACON	135	89

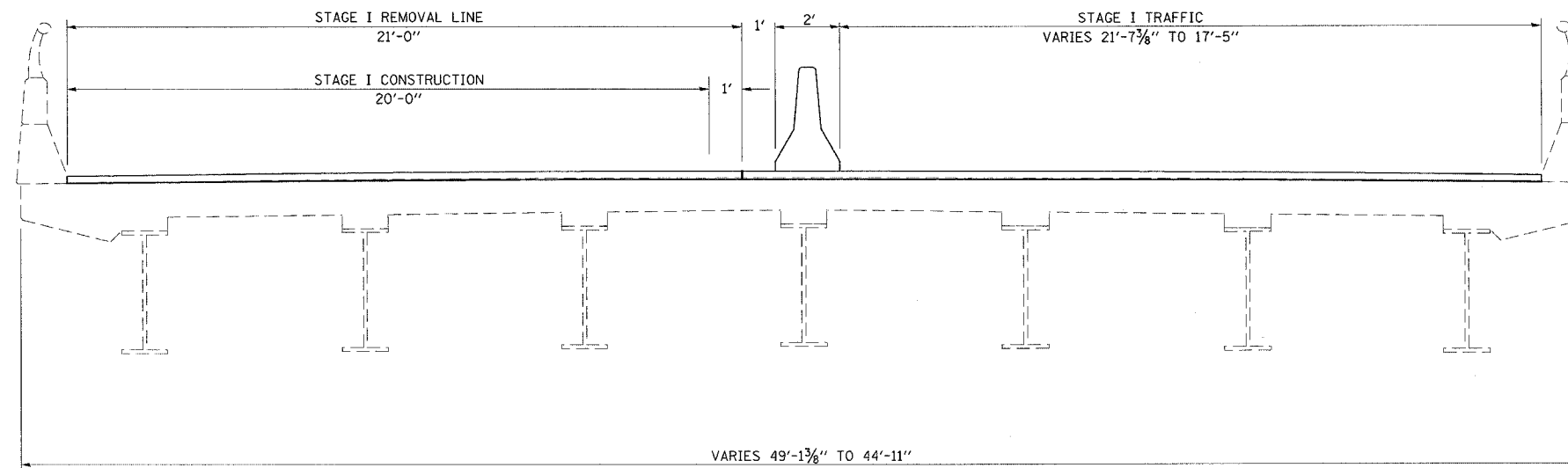
*(58-62,58-62-1,58-63)RS
CONTRACT NO. 90879

STAGING DETAILS

STRUCTURE NO. 058-0071 E.B.

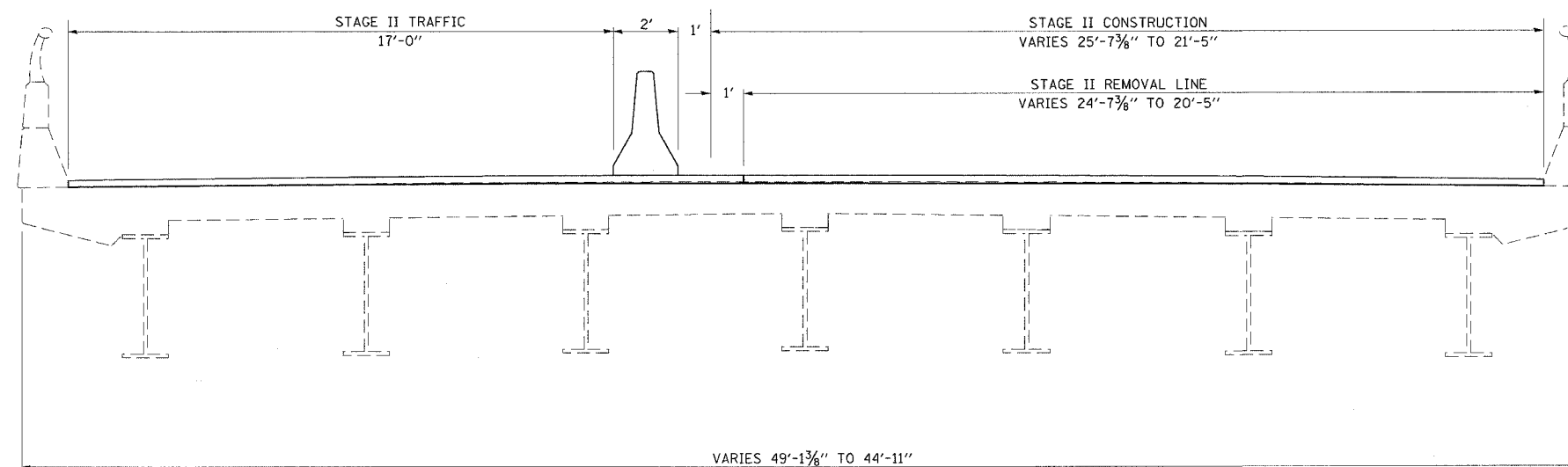
STAGE I CONSTRUCTION

LOOKING NORTH



STAGE II CONSTRUCTION

LOOKING NORTH



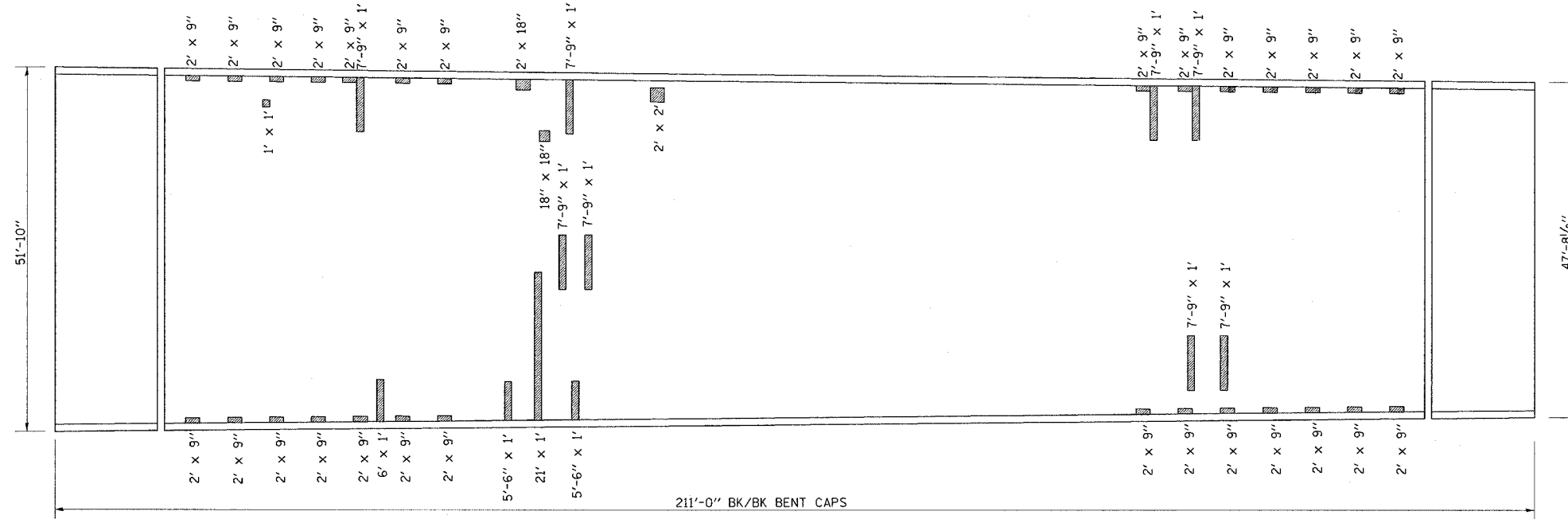
LOCATION OF FULL DEPTH PATCHING

S.N. 058-0070 WEST BOUND

SHEET 8 of 13

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72		MACON	135	90

(58-62,58-62-1,58-63)RS
CONTRACT NO. 90879



PLAN DECK REPAIR

NOTES:

AREAS OF DECK REPAIRS SHOWN ARE ESTIMATED.
THE ENGINEER SHALL SHOW ACTUAL LOCATIONS OF
DECK REPAIRS ON AS-BUILT PLANS.

DATE OF DECK SURVEY: 2-10-2003

FULL DEPTH PATCHES

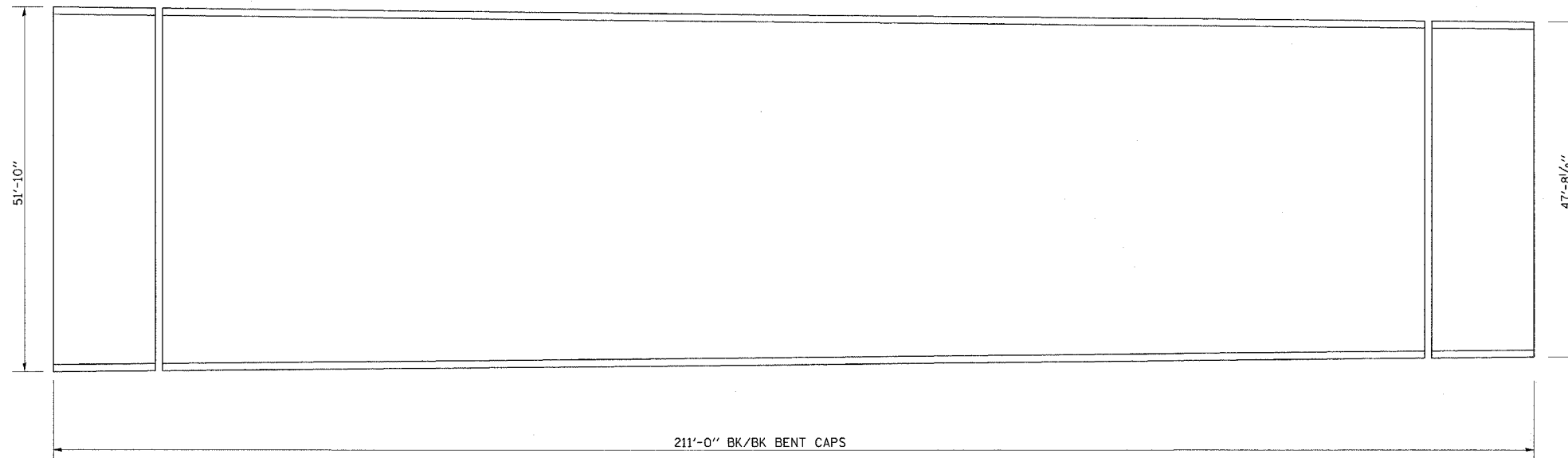
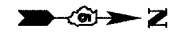
LOCATION OF FULL DEPTH PATCHING

S.N. 058-0070 WEST BOUND

SHEET 9 of 13

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72		MACON	135	91

• (58-62,58-62-1,58-63)RS
CONTRACT NO. 90879



PLAN VIEW OF AS-BUILT PATCHES

NOTE: THE ENGINEER SHALL SHOW ACTUAL LOCATIONS OF DECK REPAIRS ON AS-BUILT PLANS.

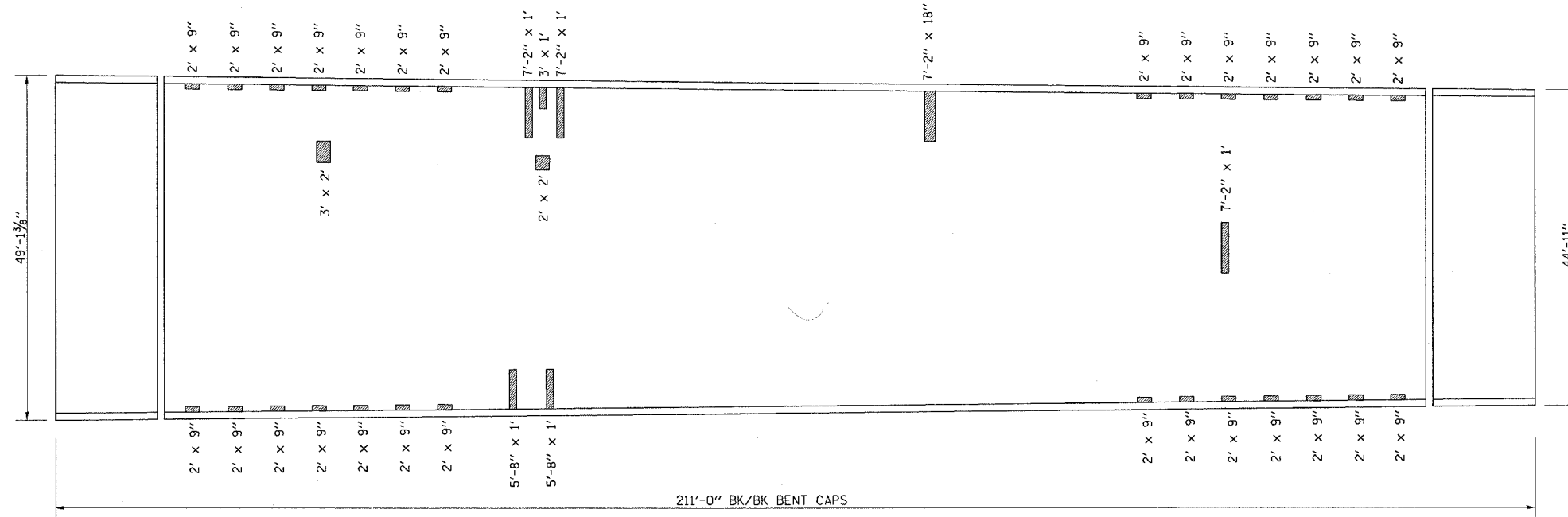
LOCATION OF FULL DEPTH PATCHING

S.N. 058-0071 EAST BOUND

SHEET 10 of 13

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	*	MACON	135	92

(58-62,58-62-1,58-63)RS
CONTRACT NO. 90879




PLAN DECK REPAIR

NOTES:

AREAS OF DECK REPAIRS SHOWN ARE ESTIMATED.
THE ENGINEER SHALL SHOW ACTUAL LOCATIONS OF
DECK REPAIRS ON AS-BUILT PLANS.

DATE OF DECK SURVEY: 2-10-2003

 FULL DEPTH PATCHES

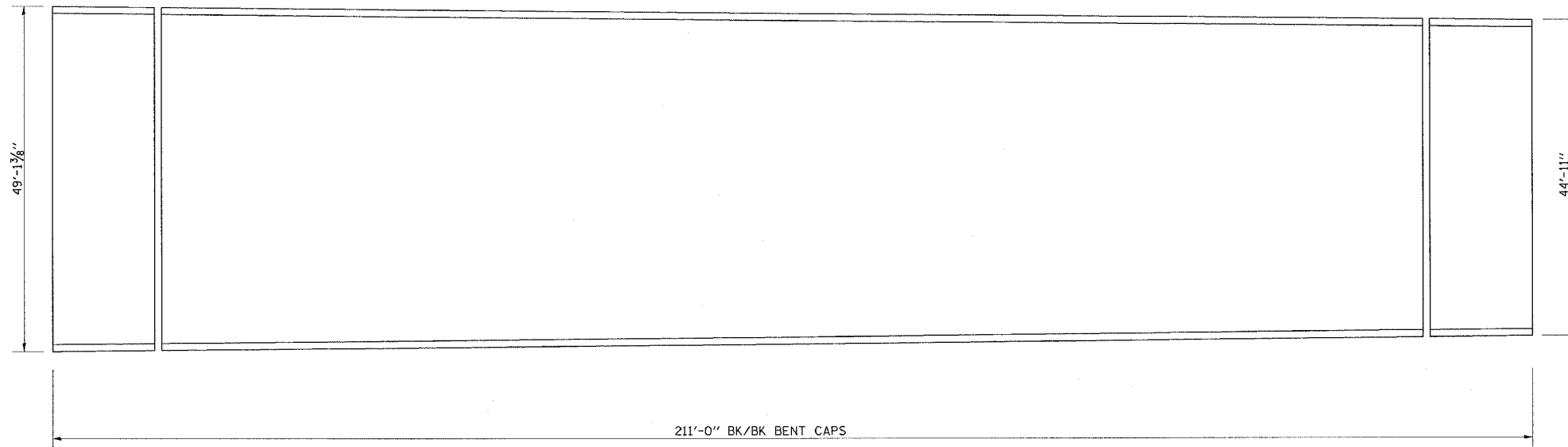
LOCATION OF FULL DEPTH PATCHING

S.N. 058-0071 EAST BOUND

SHEET 11 of 13

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	•	MACON	135	93

• (58-62,58-62-1,58-63)RS
CONTRACT NO. 90879



PLAN VIEW OF AS-BUILT PATCHES

NOTE: THE ENGINEER SHALL SHOW ACTUAL LOCATIONS OF DECK REPAIRS ON AS-BUILT PLANS.

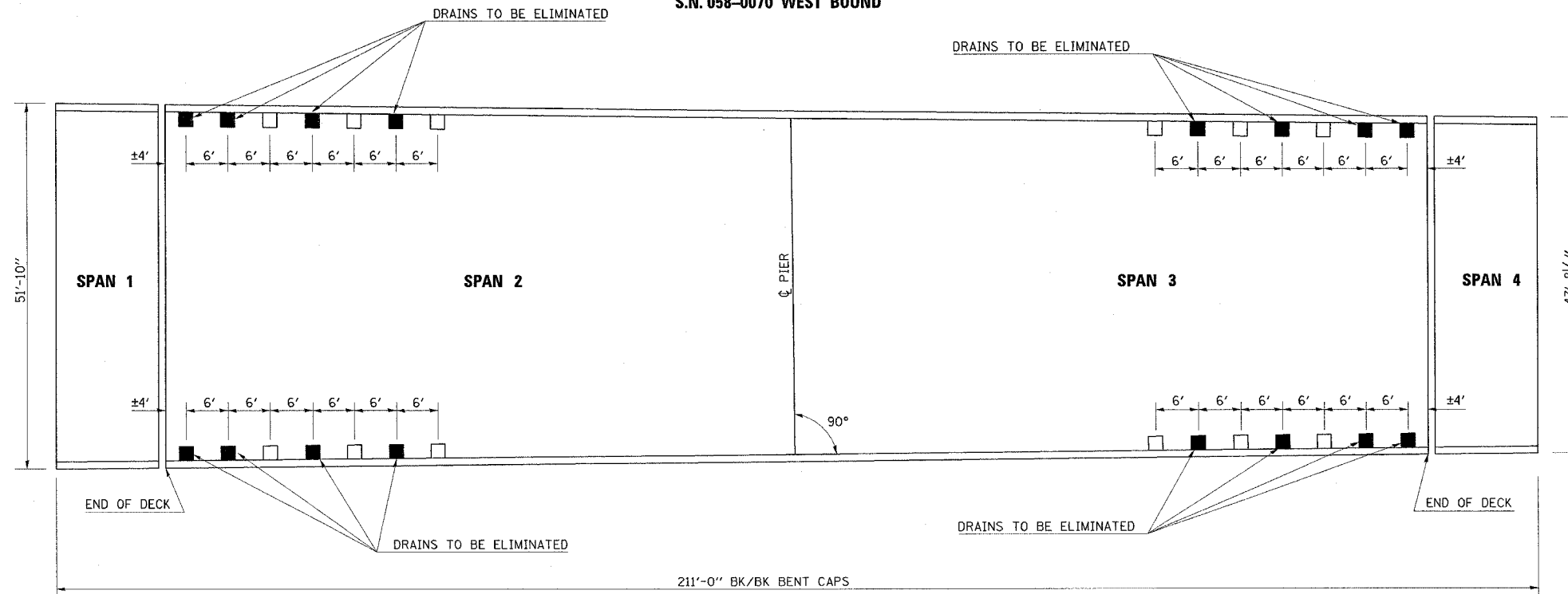
LOCATION OF DRAINS

S.N. 058-0070 WEST BOUND

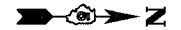
SHEET 12 of 13

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72		MACON	135	94

(58-62,58-62-1,58-63)RS
CONTRACT NO. 90879

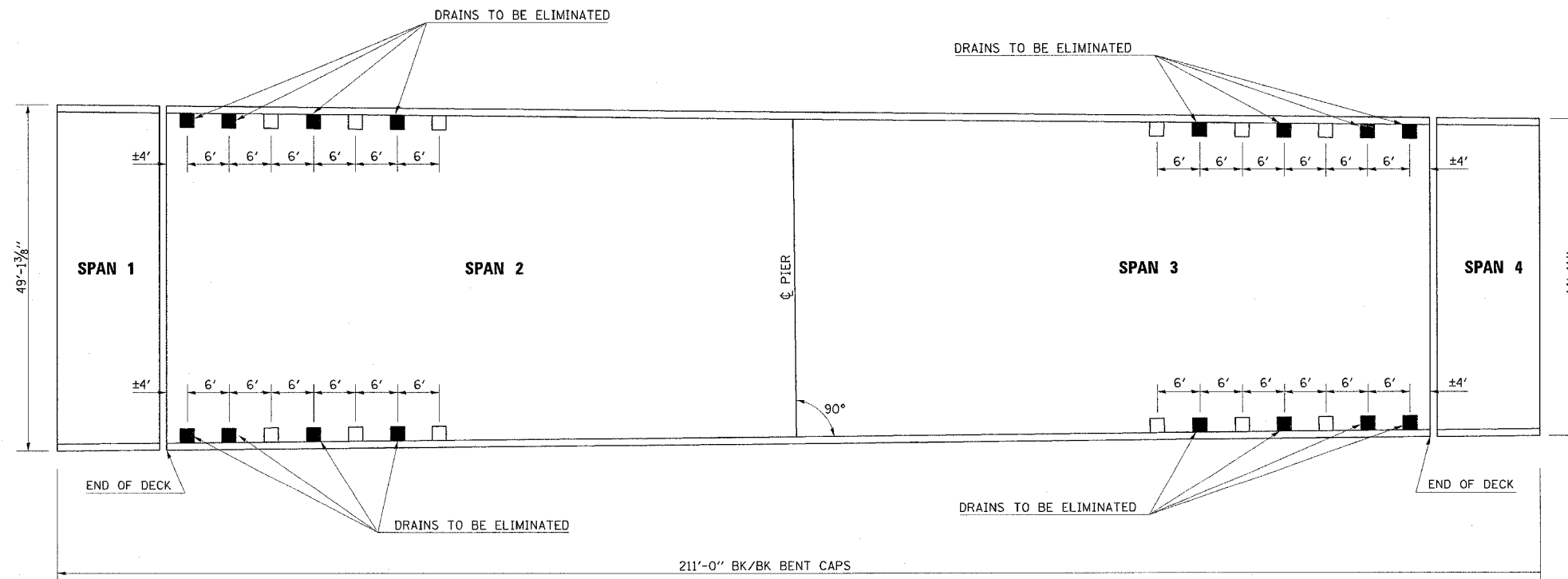


NOTES: DRAINS NOT ELIMINATED ARE TO BE REPLACED.
ELIMANATED AND REPLACED DRAINS ARE INCLUDED
AS DECK SLAB REPAIR (FULL DEPTH) SEE SHEET 8 OF 13.



LOCATION OF DRAINS

S.N. 058-0071 EAST BOUND



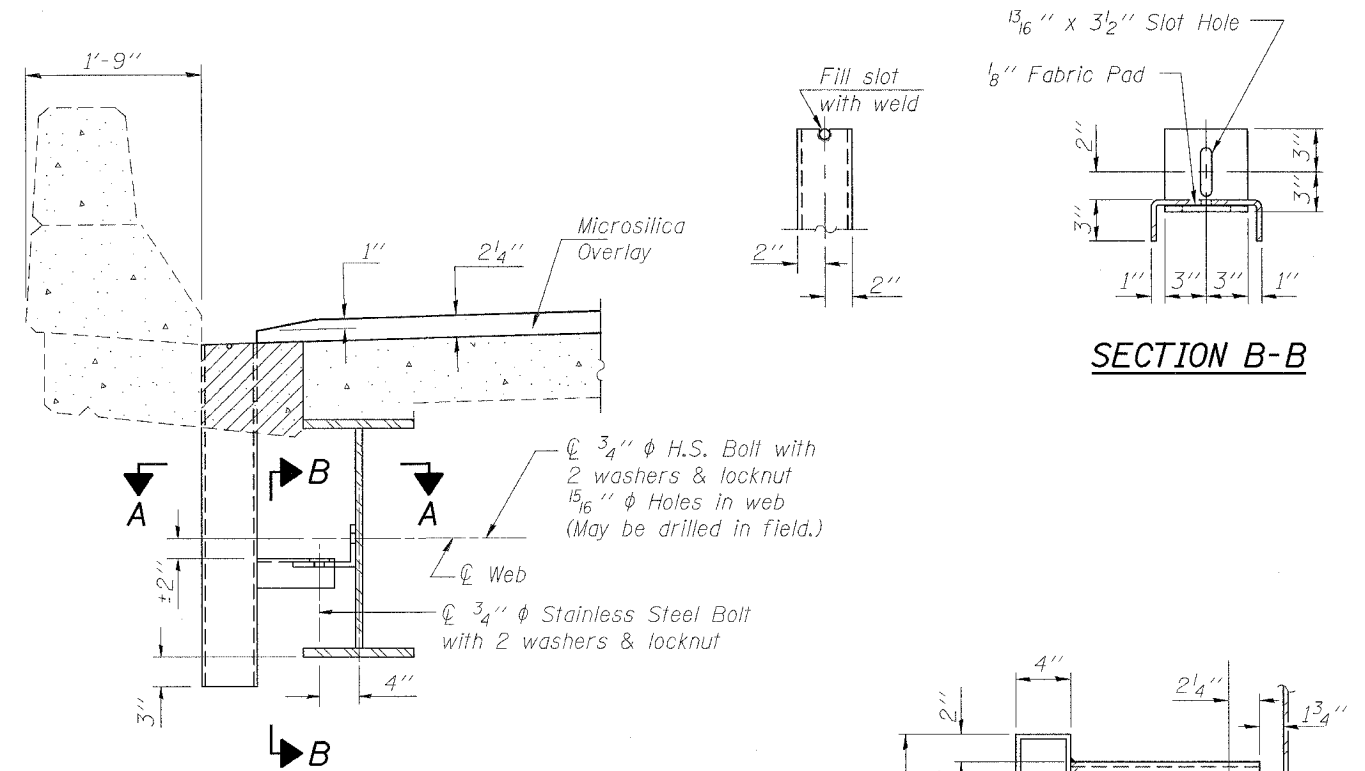
NOTES: DRAINS NOT ELIMINATED ARE TO BE REPLACED.
ELIMANATED AND REPLACED DRAINS ARE INCLUDED
AS DECK SLAB REPAIR (FULL DEPTH) SEE SHEET 10 OF 13.



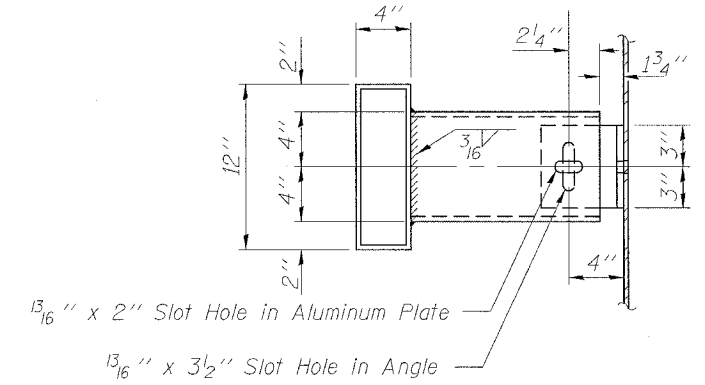
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72		MACON	135	95

(58-62,58-62-1,58-63)RS
CONTRACT NO. 90879

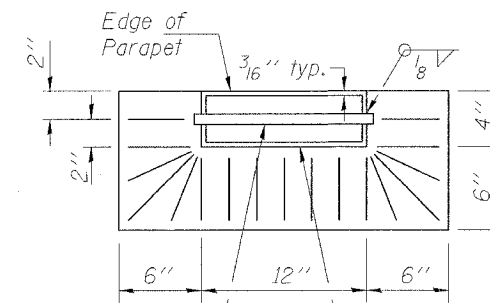
DETAIL FLOOR DRAIN



SECTION THRU PARAPET



SECTION A-A



3/4" φ x 1'-1" Aluminum Bar
ASTM: B 211 alloy 6061-T6

Aluminum Sheets Welded
ASTM: B 209 alloy 6061-T6
or Aluminum Extrusions
ASTM: B 221 alloy 6061-T6

TOP PLAN

Notes:
The exterior surfaces of the floor drains shall be painted with the finish coat as specified in the special provisions for Cleaning and Painting New Metal Structures. The exterior surfaces of the drains shall be cleaned according to Steel Structures Painting Council's Spec. SSPC-SP1 prior to painting. The contractor shall use extreme care during concrete removal so as not to damage the steel beam.

GENERAL NOTES

PLAN DIMENSIONS AND DETAILS RELATIVE TO THE STRUCTURE HAVE BEEN TAKEN FROM EXISTING PLANS AND ARE SUBJECT TO NOMINAL CONSTRUCTION VARIATIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY SUCH DIMENSIONS AND DETAILS IN THE FIELD AND MAKE THE NECESSARY APPROVED ADJUSTMENTS PRIOR TO CONSTRUCTION OR ORDERING OF MATERIALS. SUCH VARIATIONS SHALL NOT BE CAUSE FOR ADDITIONAL COMPENSATION FOR A CHANGE IN SCOPE OF WORK. HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED AT THE CONTRACT UNIT PRICE FOR THE WORK.

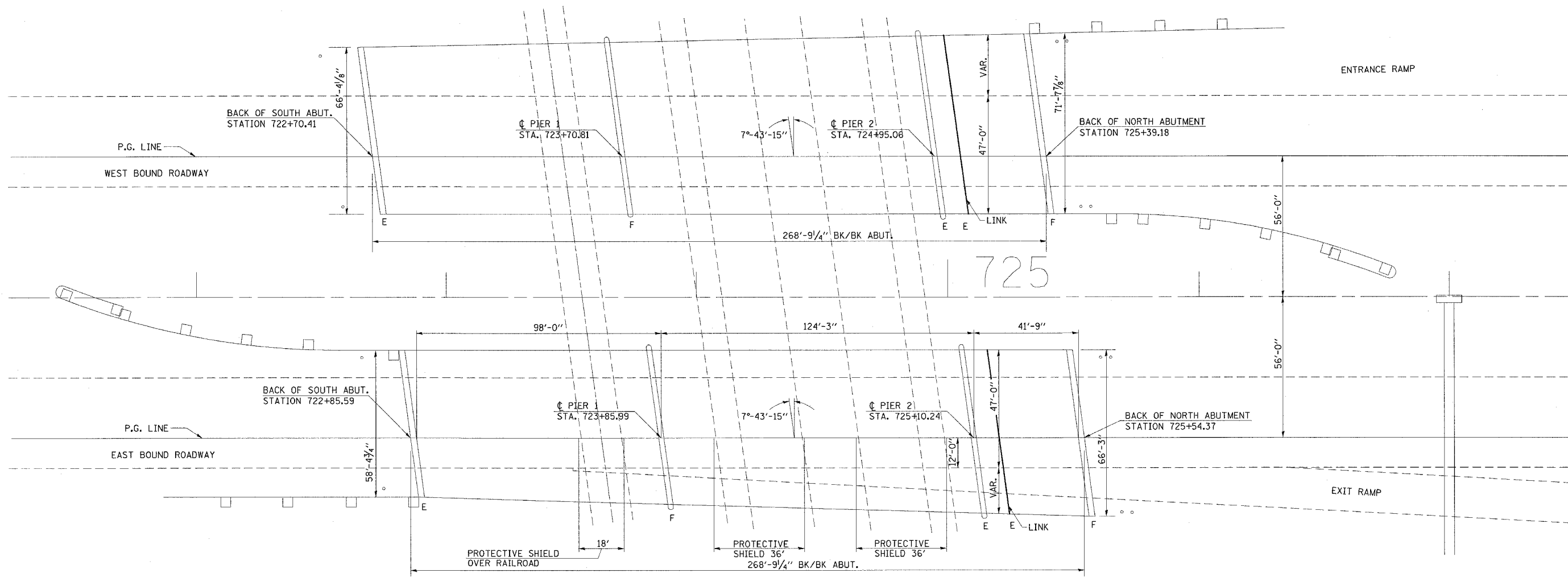
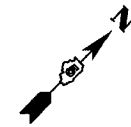
EXISTING REINFORCEMENT BARS EXTENDING INTO THE REMOVAL AREA SHALL BE CLEANED, STRAIGHTENED AND INCORPORATED INTO THE NEW CONSTRUCTION. ANY REINFORCEMENT BARS THAT ARE DAMAGED DURING REMOVAL SHALL BE REPLACED WITH AN APPROVED BAR SPLICER OR ANCHORAGE SYSTEM. COST INCLUDED WITH CONCRETE REMOVAL.

TOTAL BILL OF MATERIALS

ITEM	UNIT	QUANTITY	S. N. 058-0074	S. N. 058-0075
BITUMINOUS CONCRETE REMOVAL (DECK)	SQ. YD.	5,564.0	2,644.0	2,920.0
CONCRETE REMOVAL	CU. YD.	34.8	16.2	18.6
CONCRETE SUPERSTRUCTURE	CU. YD.	33.6	15.6	18.0
BRIDGE DECK GROOVING	SQ. YD.	3,549.0	1,676.0	1,873.0
ELASTOMERIC BEARING ASSEMBLY TYPE I	EACH	19.0	10.0	9.0
FURNISHING AND ERECTING STRUCTURAL STEEL	POUND	4,450.0	2,140.0	2,310.0
JACK AND REMOVE EXISTING BEARING	EACH	19.0	10.0	9.0
STRUCTURAL STEEL REPAIR	POUND	270.0	130.0	140.0
REINFORCEMENT BARS, EPOXY COATED	POUND	4,760.0	2,260.0	2,500.0
POLYMER CONCRETE	CU. FT.	18.2	8.6	9.6
SILICONE JOINT SEALER 2"	FOOT	263.1	124.5	138.6
BRIDGE DECK MICROSILICA CONCRETE OVERLAY 2 1/4"	SQ. YD.	3,667.0	1,735.0	1,932.0
BAR SPLICERS	EACH	50.0	25.0	25.0
BRIDGE DECK HYDRO-SCARIFICATION	SQ. YD.	3,667.0	1,735.0	1,932.0
DECK SLAB REPAIR (FULL DEPTH, TYPE I)	SQ. YD.	3.0	2.0	1.0
DECK SLAB REPAIR (FULL DEPTH, TYPE II)	SQ. YD.	144.0	96.0	48.0
PROTECTIVE SHIELD	SQ. YD.	1356.0	644.0	712.0

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	*	MACON	135	96

*158-62,58-62-1,58-63JRS
 CONTRACT NO. 90879
SHEET 1 of 16

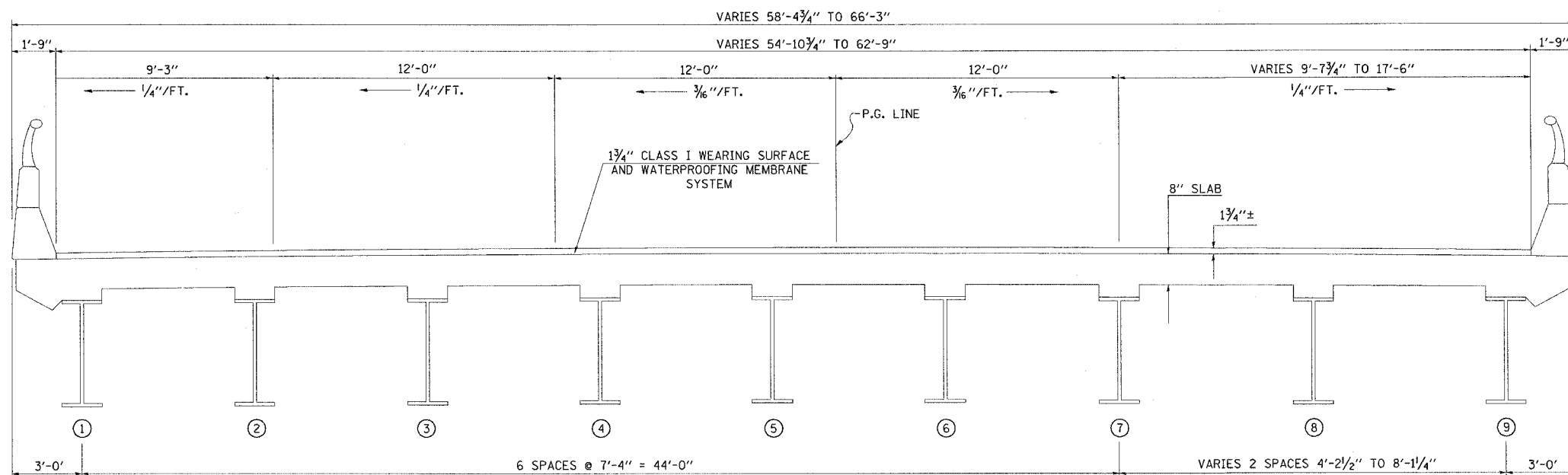


PLAN VIEW
 S.N. 058-0074 E.B.
 S.N. 058-0075 W.B.

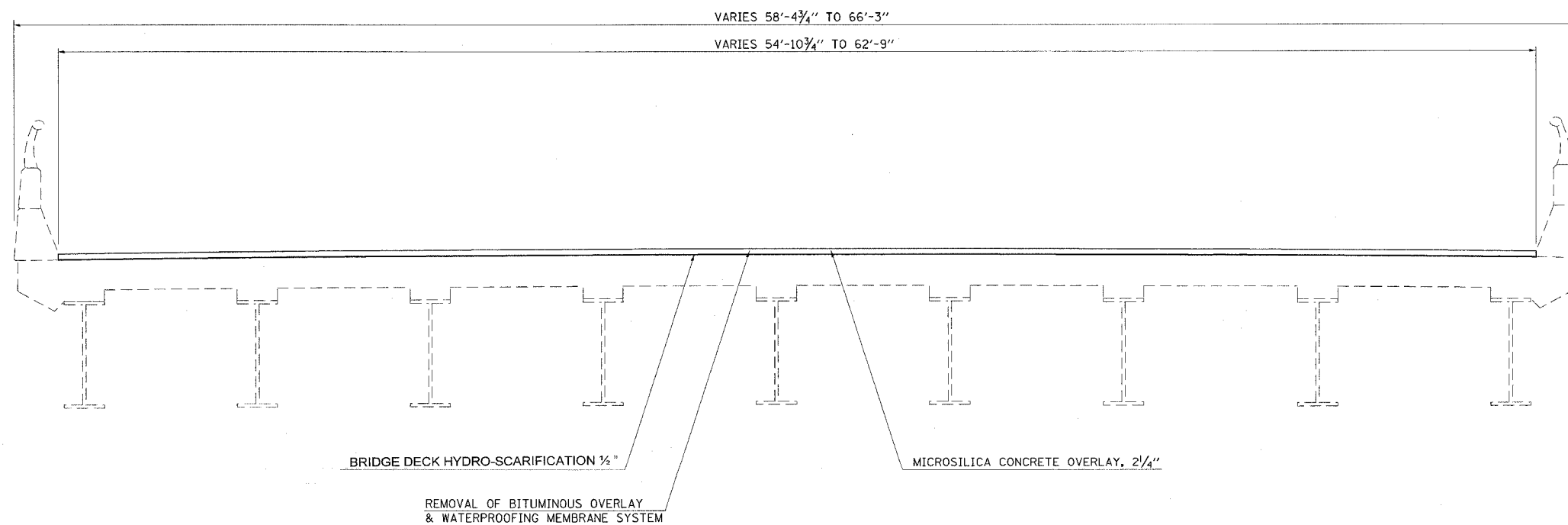
GENERAL PLAN
 F.A.I. ROUTE 72 SEC. 58-63HVB
 MACON COUNTY
 S.N. 058-0074 & S.N. 058-0075

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	.	MACON	135	97

*(58-62,58-62-1,58-63)RS
 CONTRACT NO. 90879
 SHEET 2 of 16



EXISTING TYPICAL CROSS SECTION
 (LOOKING EAST)

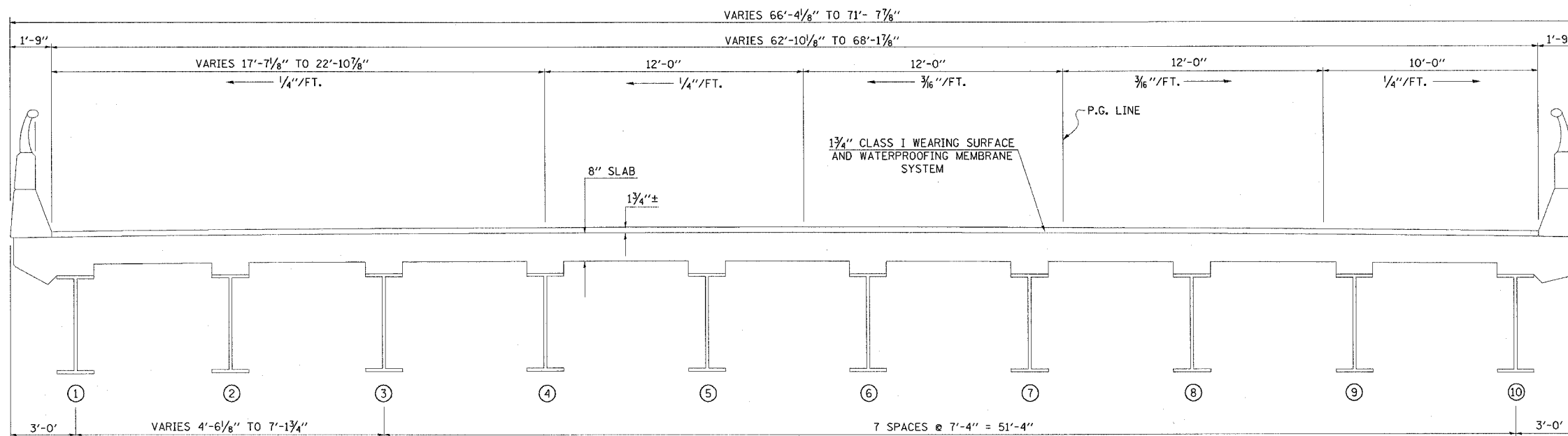


PROPOSED TYPICAL CROSS SECTION
 (LOOKING EAST)

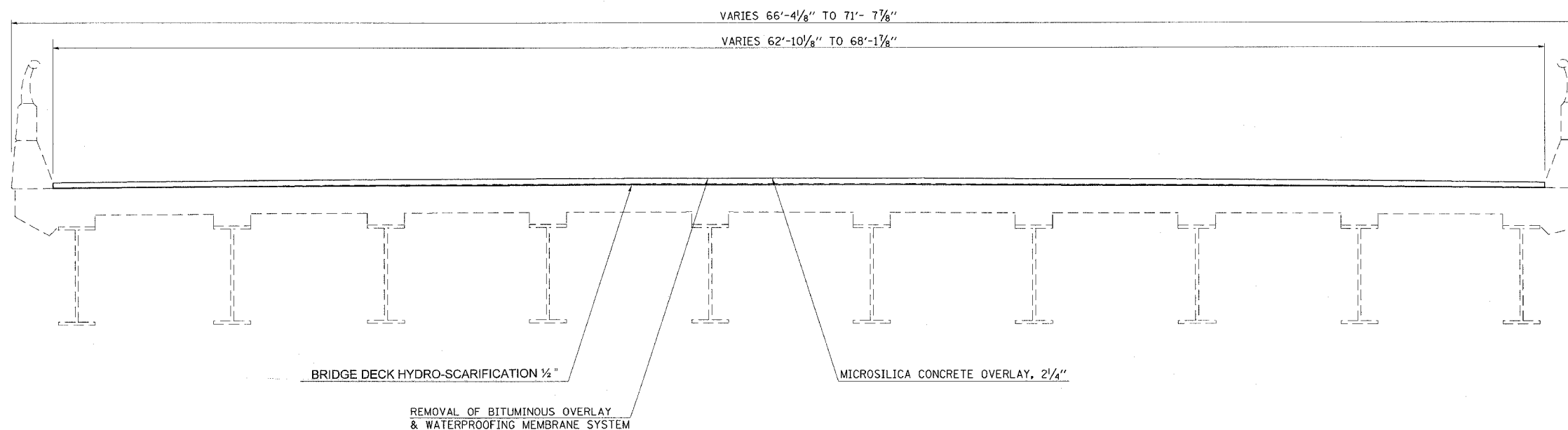
SUPERSTRUCTURE
 F.A.I. ROUTE 72 SEC. 58-63HVB
 MACON COUNTY
 S.N. 058-0074

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72		MACON	135	98

•(58-62,58-62-1,58-63)RS
 CONTRACT NO. 90879
 SHEET 3 of 16



EXISTING TYPICAL CROSS SECTION
 (LOOKING EAST)

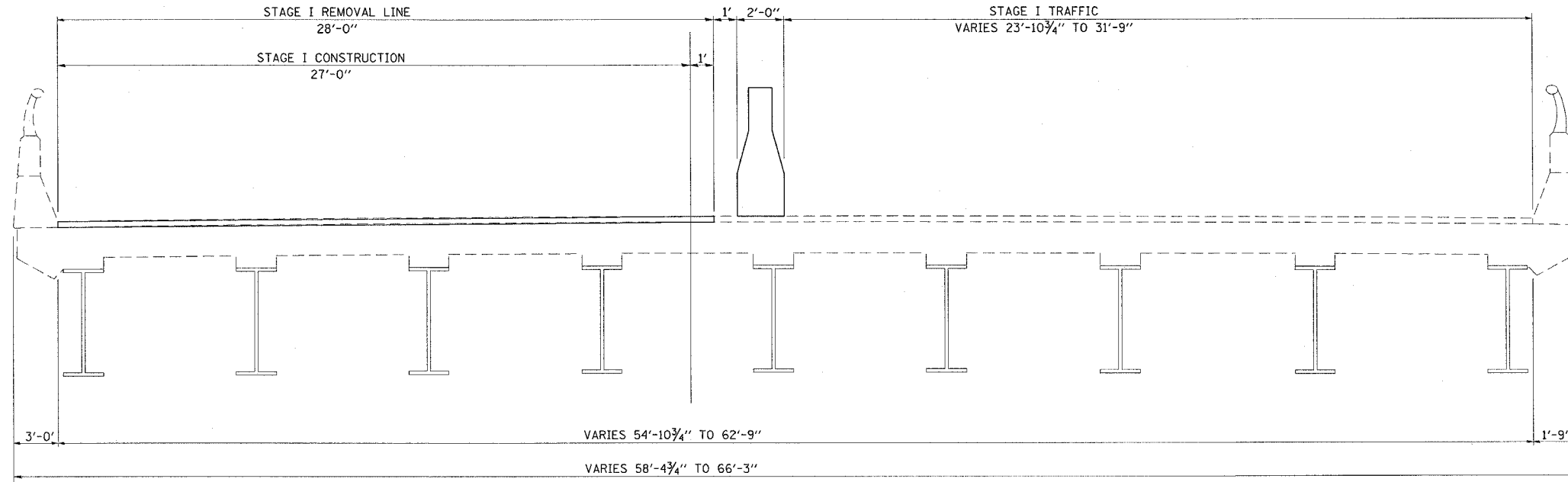


PROPOSED TYPICAL CROSS SECTION
 (LOOKING EAST)

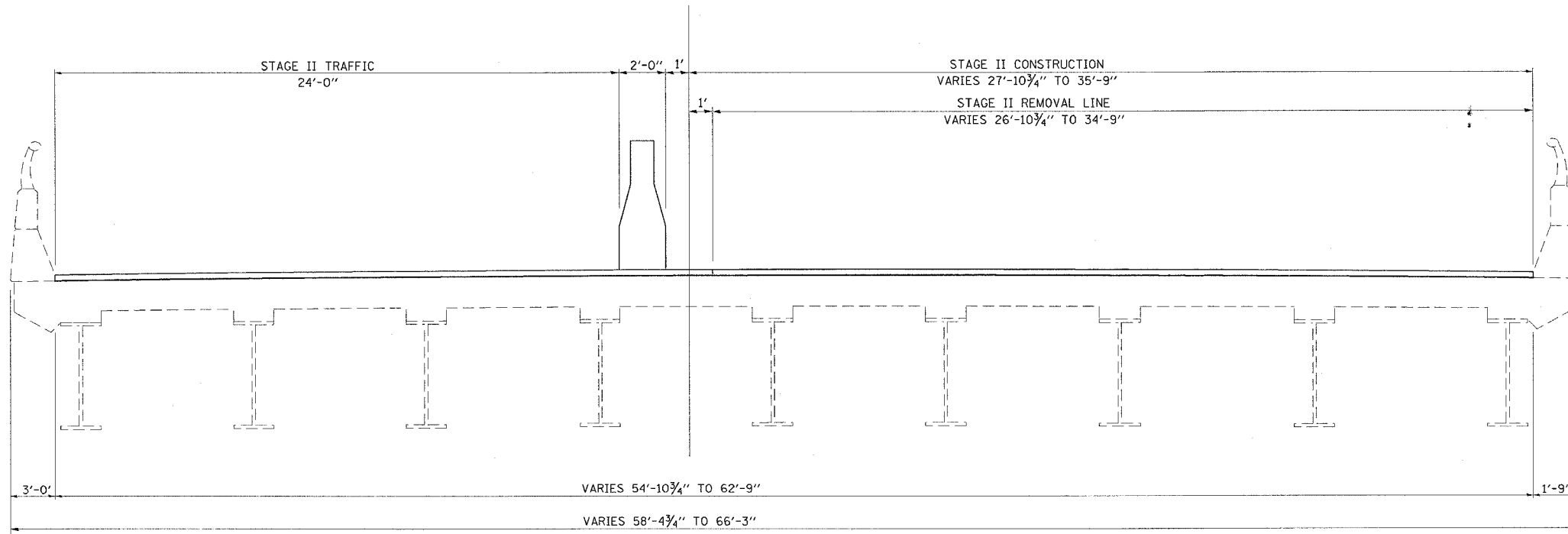
SUPERSTRUCTURE
 F.A.I. ROUTE 72 SEC. 58-63HVB
 MACON COUNTY
 S.N. 058-0075

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72		MACON	135	99

•(58-62,58-62-1,58-63)RS
 CONTRACT NO. 90879
 SHEET 4 of 16



STAGE I CONSTRUCTION
 (LOOKING EAST)

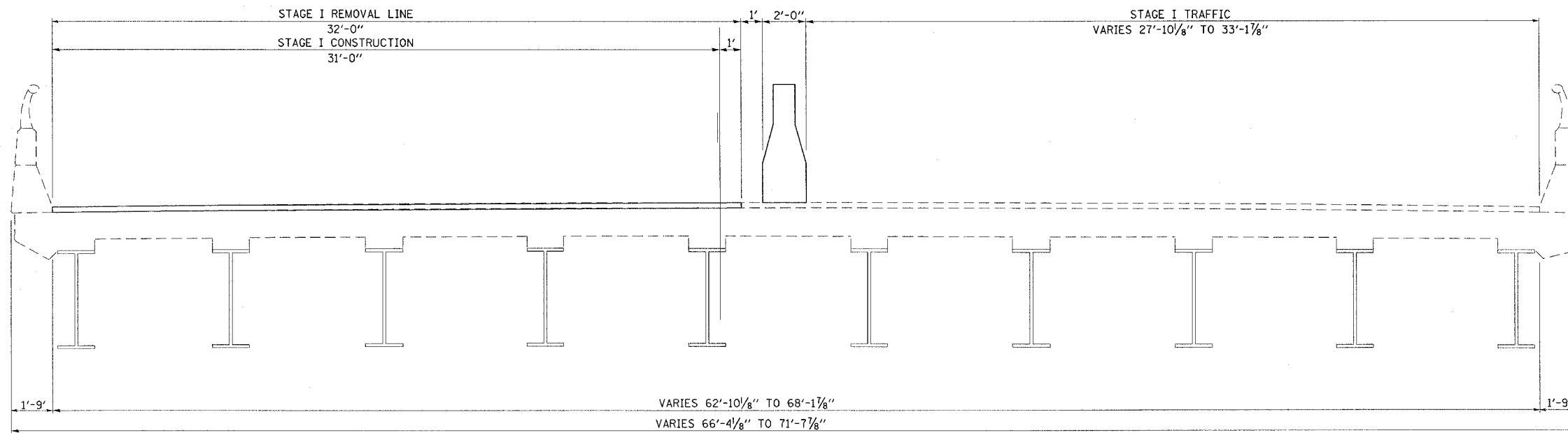


STAGE II CONSTRUCTION
 (LOOKING EAST)

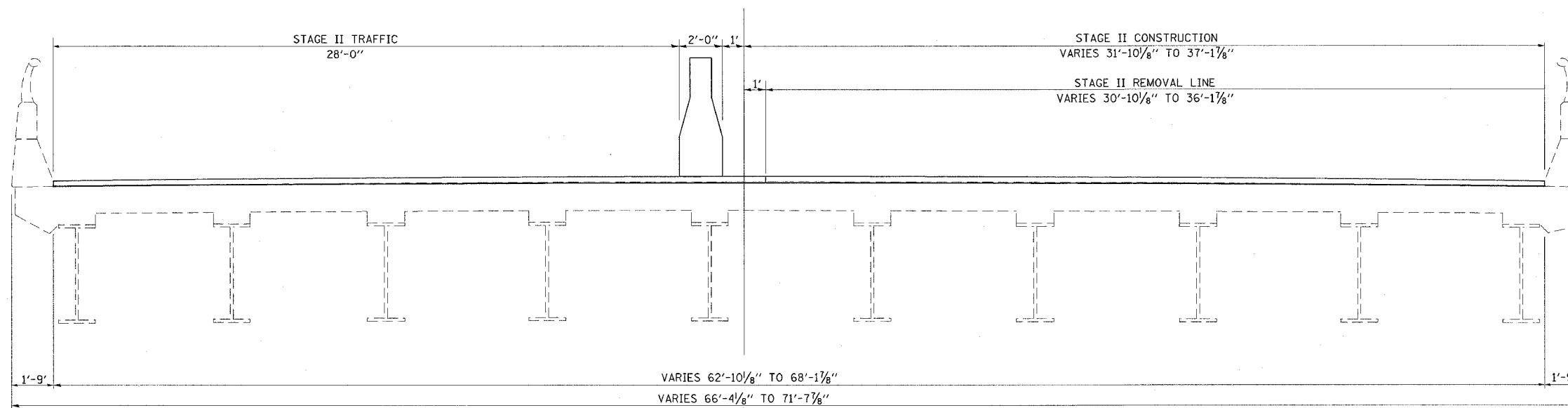
STAGE CONSTRUCTION DETAILS
 F.A.I. ROUTE 72 SEC. 58-63HVB
 MACON COUNTY
 S.N. 058-0074

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	*	MACON	135	100

•(58-62,58-62-1,58-63)RS
 CONTRACT NO. 90879
 SHEET 5 of 16



STAGE I CONSTRUCTION
 (LOOKING WEST)



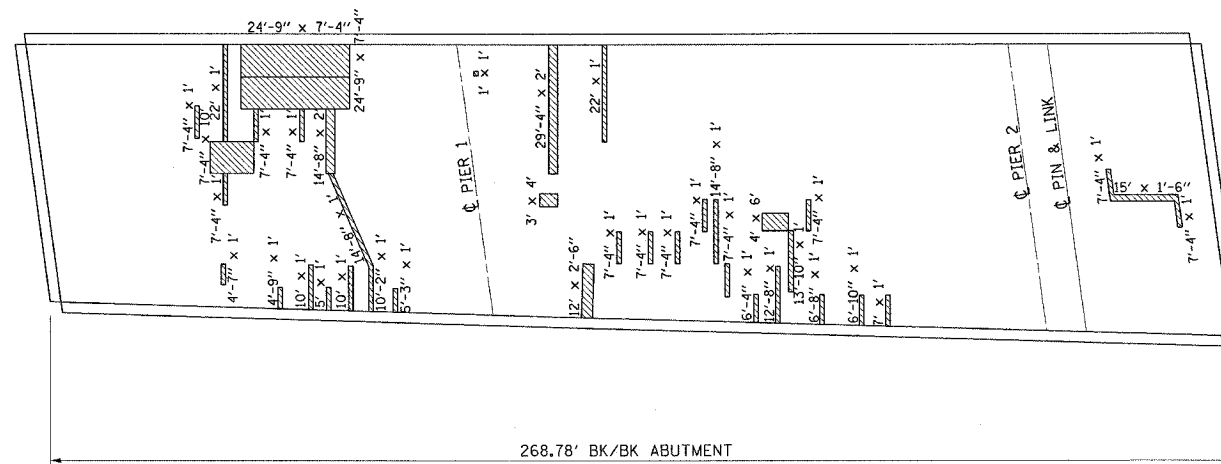
STAGE II CONSTRUCTION
 (LOOKING WEST)

STAGE CONSTRUCTION DETAILS
 F.A.I. ROUTE 72 SEC. 58-63HVB
 MACON COUNTY
 S.N. 058-0075

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	*	MACON	135	101

• (58-62,58-62-1,58-63)RS
CONTRACT NO. 90879

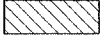
SHEET 6 of 16



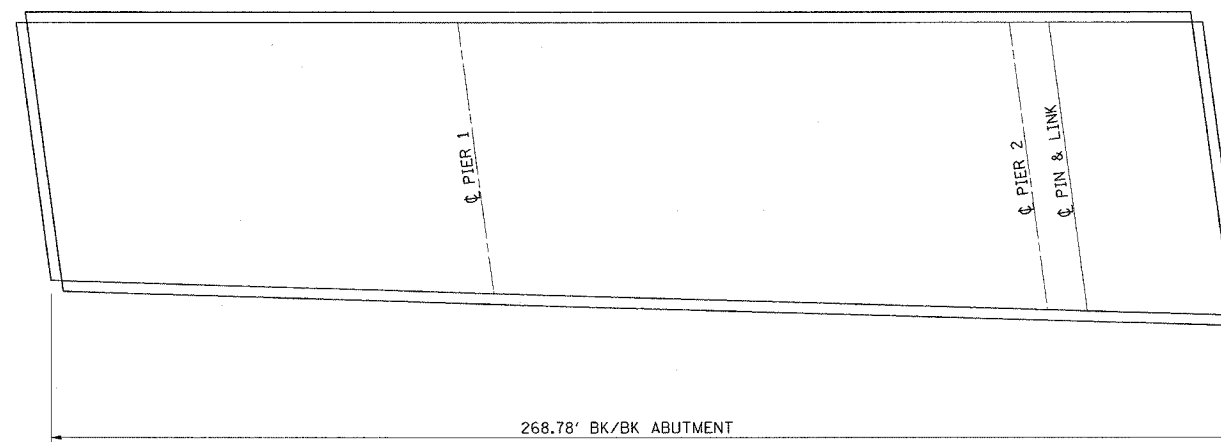
PLAN DECK REPAIR

NOTES:

DATE OF DECK SURVEY: 2/10/2003

 FULL DEPTH PATCHES

AREAS OF DECK REPAIRS SHOWN ARE ESTIMATED.
THE ENGINEER SHALL SHOW ACTUAL LOCATIONS OF
DECK REPAIRS ON AS-BUILT PLANS.



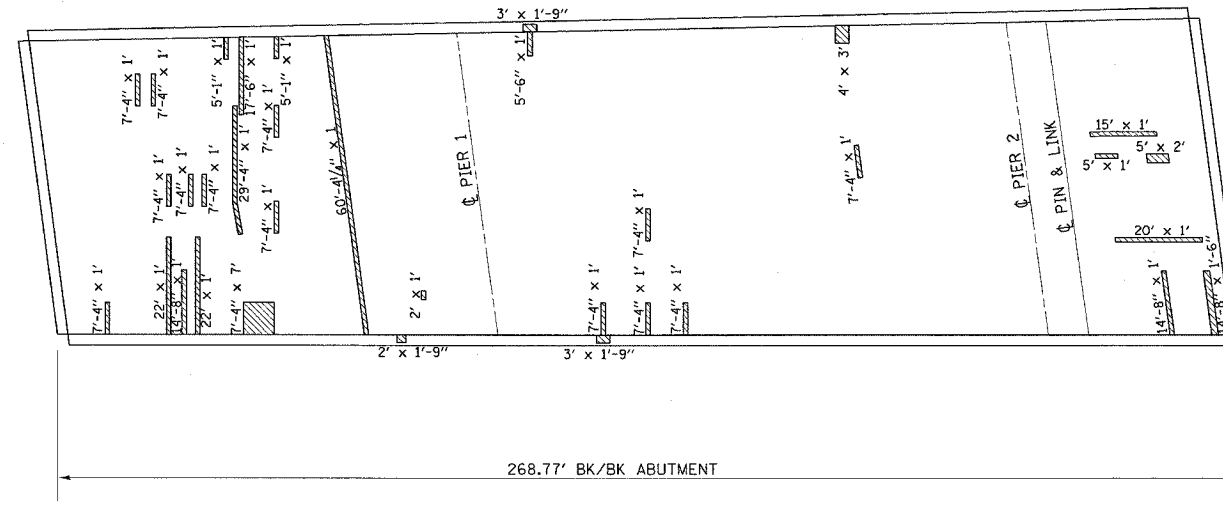
PLAN VIEW OF AS-BUILT PATCHES

DECK REPAIR
F.A.I. ROUTE 72 SEC. 58-63HVB
MACON COUNTY
S.N. 058-0074

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	*	MACON	135	102

• (58-62,58-62-1,58-63)RS
CONTRACT NO. 90879


SHEET 7 of 16



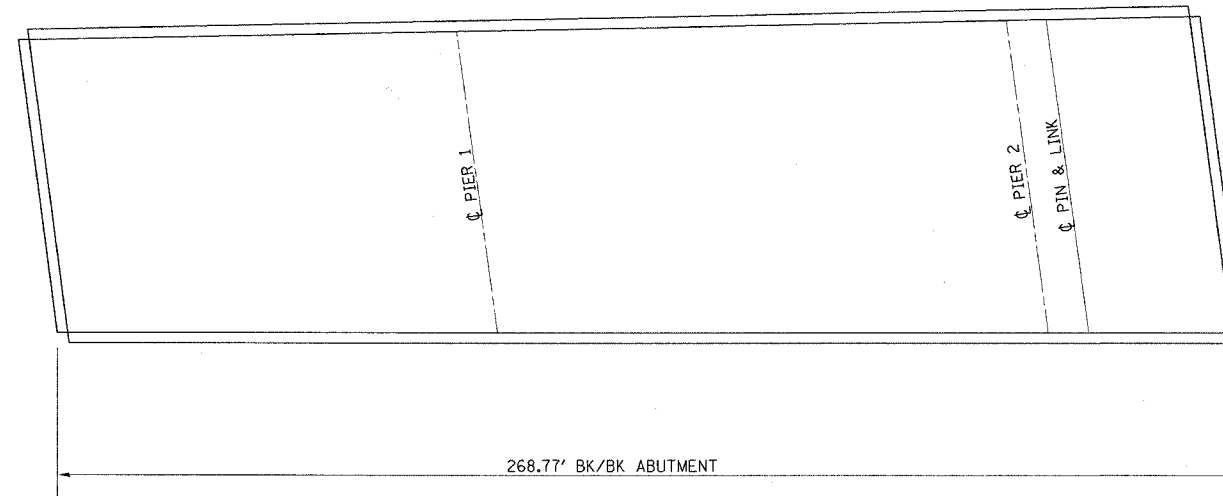
PLAN DECK REPAIR

NOTES:

DATE OF DECK SURVEY: 2/10/2003

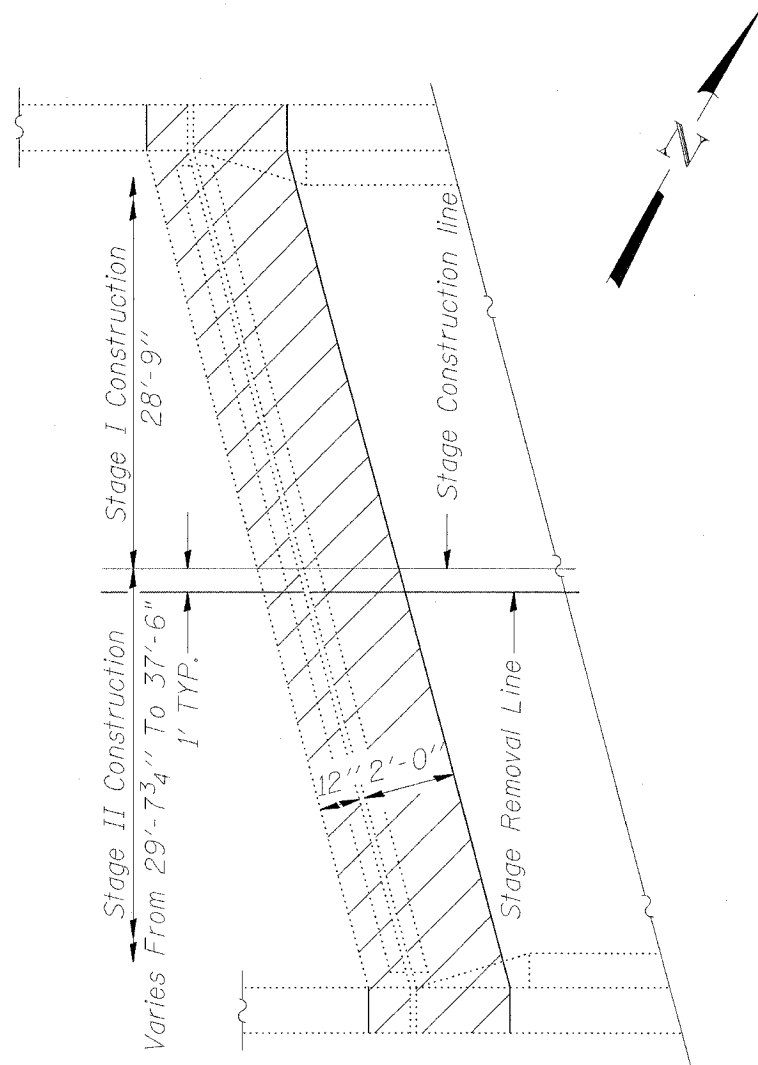
 FULL DEPTH PATCHES

AREAS OF DECK REPAIRS SHOWN ARE ESTIMATED.
THE ENGINEER SHALL SHOW ACTUAL LOCATIONS OF
DECK REPAIRS ON AS-BUILT PLANS.

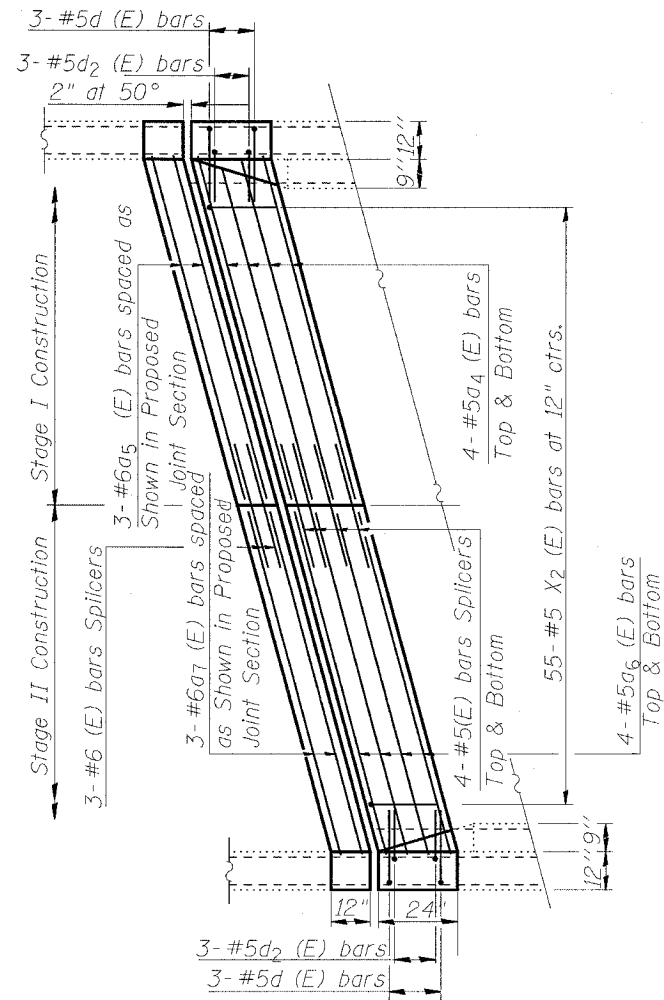


PLAN VIEW OF AS-BUILT PATCHES

DECK REPAIR
F.A.I. ROUTE 72 SEC. 58-63HVB
MACON COUNTY
S.N. 058-0075



EXISTING PARTIAL PLAN
 JOINT AT SOUTH ABUTMENT



PROPOSED PARTIAL PLAN
 JOINT AT SOUTH ABUTMENT

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a ₄ (E)	8	#5	28'-0"	—
a ₅ (E)	3	#6	28'-0"	—
a ₆ (E)	8	#5	29'-0"	—
a ₇ (E)	3	#6	29'-0"	—
d(E)	6	#5	4'-7"	┘
d ₂ (E)	6	#5	4'-2"	┘
x ₂ (E)	55	#5	2'-2"	—
Reinforcement Bars, Epoxy Coated			Pound	920
Concrete Superstructure			Cu. Yd.	8.4

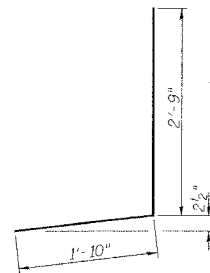
Reinforcement bars designated (E) shall be epoxy coated.

Hatched area indicates Concrete Removal.

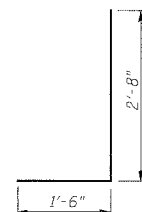
I.F. = Inside Face

O.F. = Outside Face

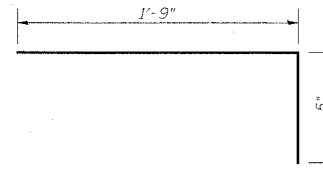
See Sheet 10 of 16 for Section Thru Parapet and Proposed Joint Section



BAR d(E)

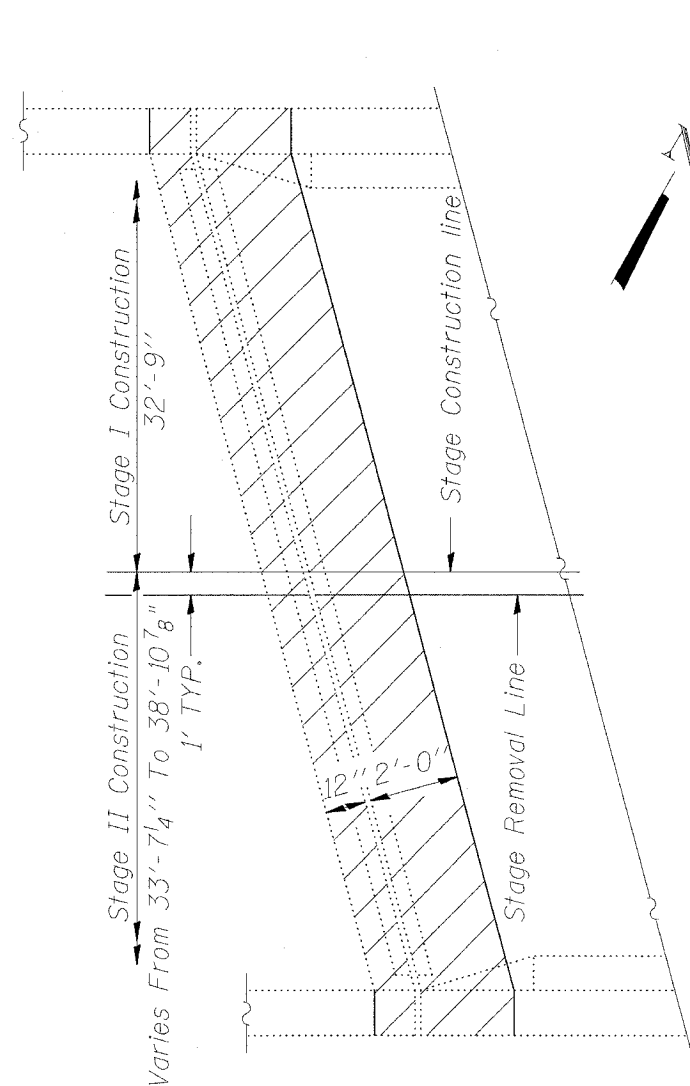


BAR d₂(E)

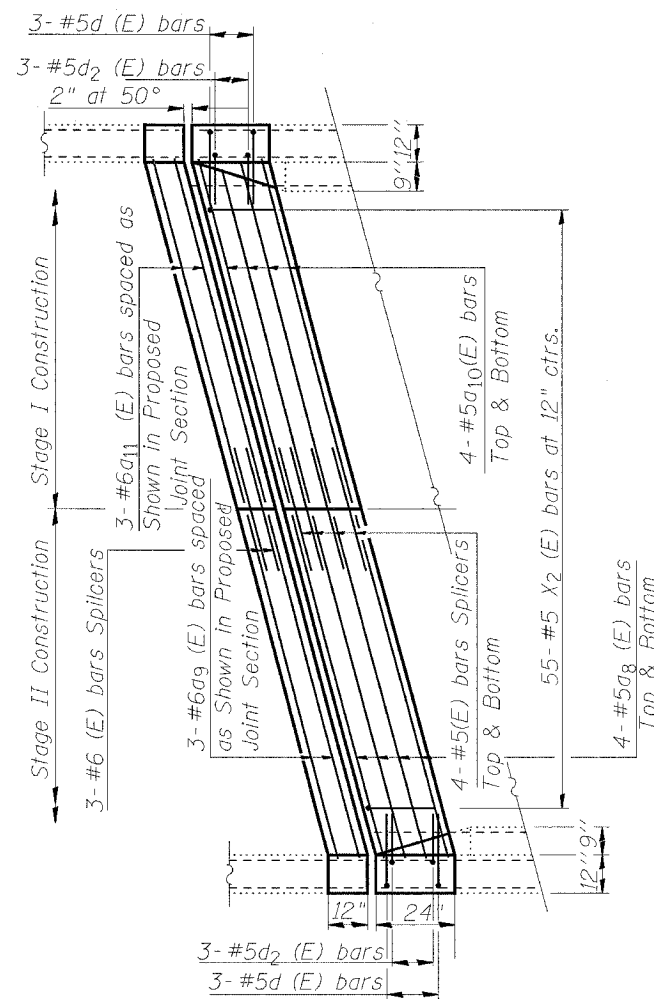


BARS x₂(E)

JOINT REPAIR AT SOUTH ABUTMENT
 F.A.I. ROUTE 72 SEC. 58-63HVB
 MACON COUNTY
 S.N. 058-0074



EXISTING PARTIAL PLAN
 JOINT AT SOUTH ABUTMENT



PROPOSED PARTIAL PLAN
 JOINT AT SOUTH ABUTMENT

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a ₈ (E)	8	#5	33'-0"	—
a ₉ (E)	3	#6	33'-0"	—
a ₁₀ (E)	8	#5	32'-3"	—
a ₁₁ (E)	3	#6	32'-3"	—
d(E)	6	#5	4'-7"	└
d ₂ (E)	6	#5	4'-2"	└
x ₂ (E)	63	#5	2'-2"	└
Reinforcement Bars, Epoxy Coated			Pound	1040
Concrete Superstructure			Cu. Yd.	10.0

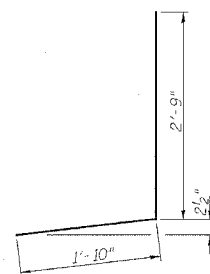
Reinforcement bars designated (E) shall be epoxy coated.

Hatched area indicates Concrete Removal.

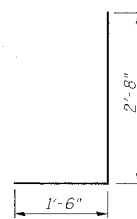
I.F. = Inside Face

O.F. = Outside Face

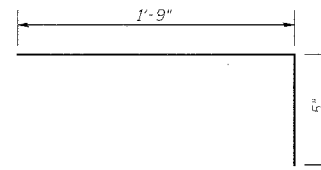
See Sheet 10 of 16 for Section Thru Parapet and Proposed Joint Section



BAR d(E)



BAR d₂(E)

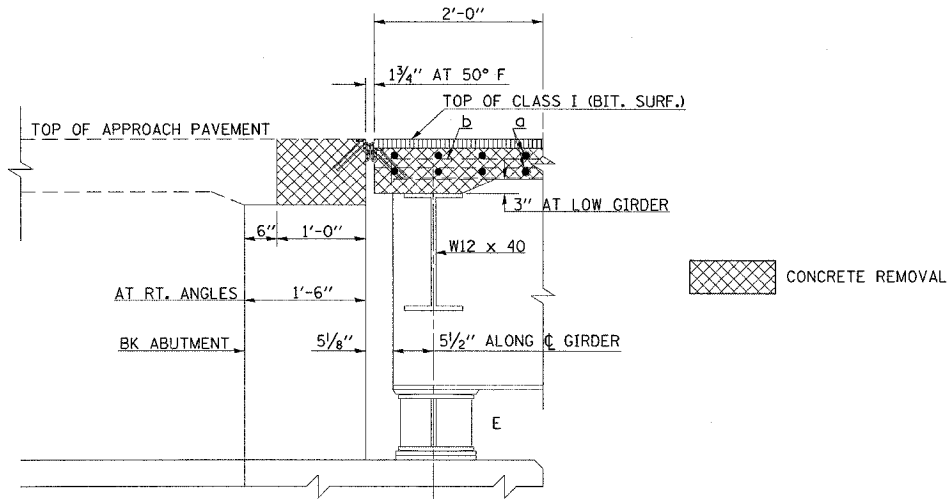


BARS x₂(E)

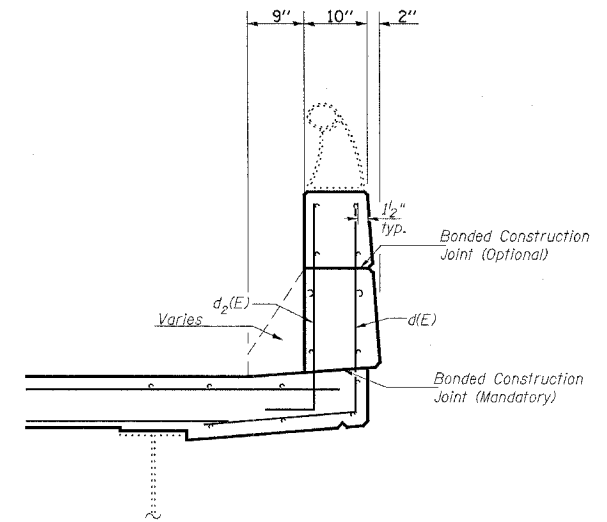
JOINT REPAIR AT SOUTH ABUTMENT
F.A.I. ROUTE 72 SEC. 58-63HVB
MACON COUNTY
S.N. 058-0075

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72		MACON	135	105

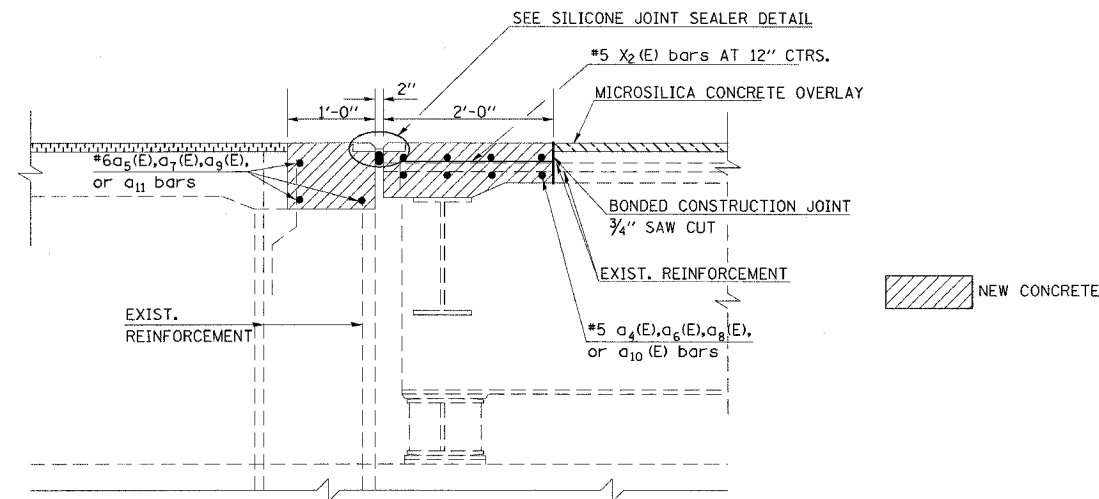
*(58-62,58-62-1,58-63)RS
 CONTRACT NO. 90879
SHEET 10 of 16



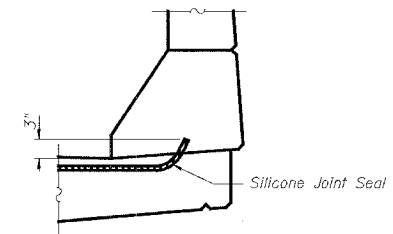
EXISTING SECTION AT SOUTH ABUTMENT



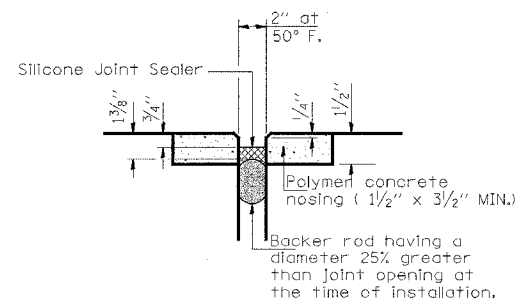
SECTION THRU PARAPET



PROPOSED SECTION AT SOUTH ABUTMENT



TYPICAL END OF SEAL TREATMENT AT EXPANSION JOINT



SILICONE JOINT SEALER DETAIL

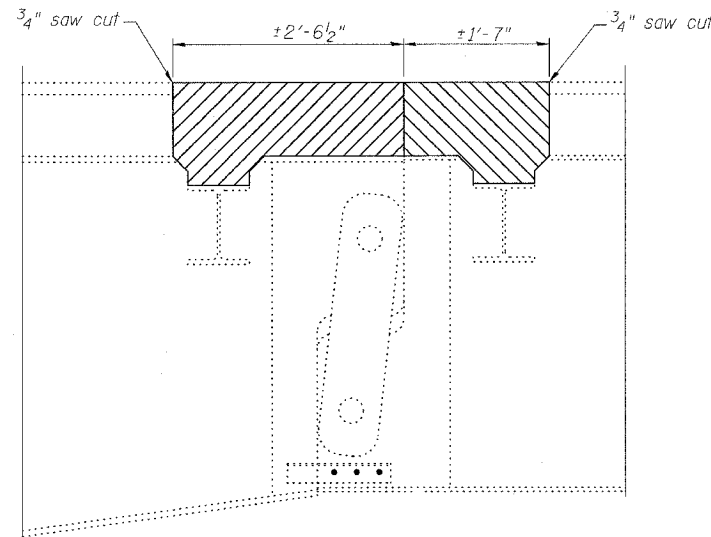
BILL OF MATERIAL

Item	Unit	TOTAL	S.N. 058-0074	S.N. 058-0075
Concrete Removal	Cu. Yd.	18.6	8.4	10.2
Concrete Superstructure	Cu. Yd.	18.0	8.1	9.9
Polymer Concrete	Cu. Ft.	8.6	4.0	4.6
Reinforcement Bars, Epoxy Coated	Pound	1,960.0	920.0	1,040.0
Silicone Joint Sealer, 2"	Foot	126.0	59.0	67.0
Bar Splicers	Each	22	11.0	11.0

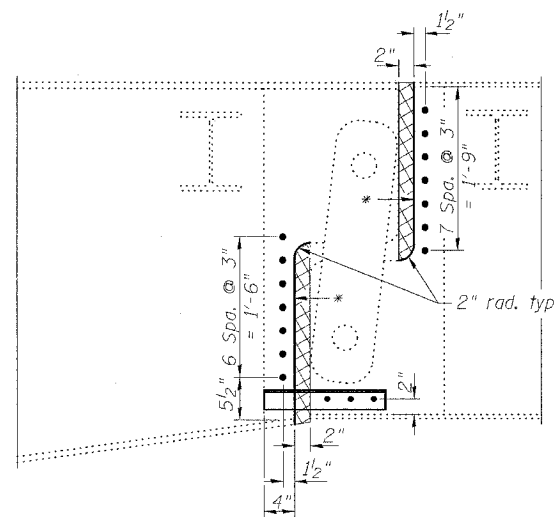
JOINT REPAIR AT SOUTH ABUTMENT
F.A.I. ROUTE 72 SEC. 58-63HVB
MACON COUNTY
S.N. 058-0074 & S.N. 058-0075

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72		MACON	135	106

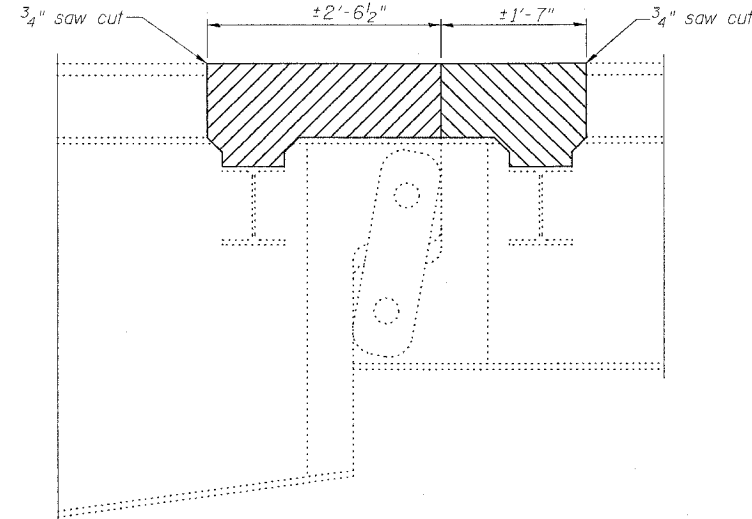
•(58-62,58-62-1,58-63)RS
CONTRACT NO. 90879
SHEET 11 of 16



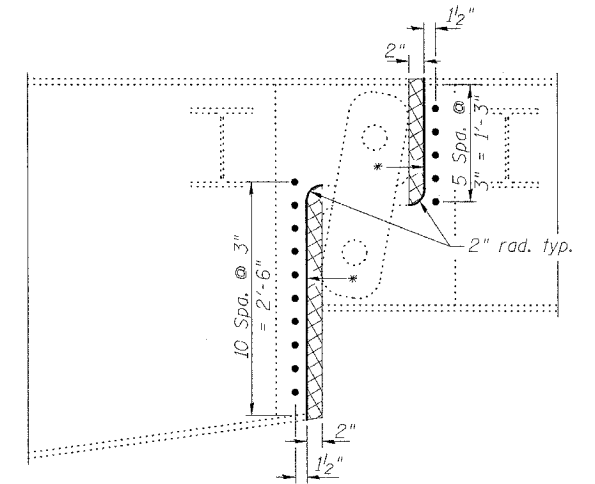
CONCRETE REMOVAL



STEEL BEAM ADJUSTMENT
(2 Locations Each Structure)



CONCRETE REMOVAL

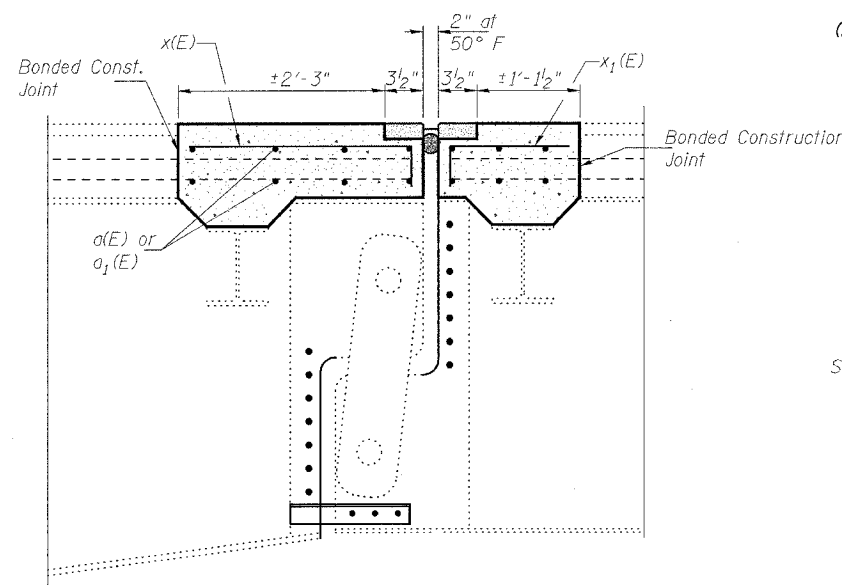


STEEL BEAM ADJUSTMENT

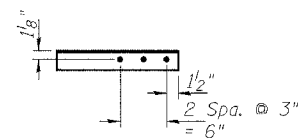
(7 Locations S.N. 058-0074)
(8 Locations S.N. 058-0075)
* Cut must be straight and smooth, use guide system.

INTERIOR GIRDEES

EXTERIOR GIRDEES

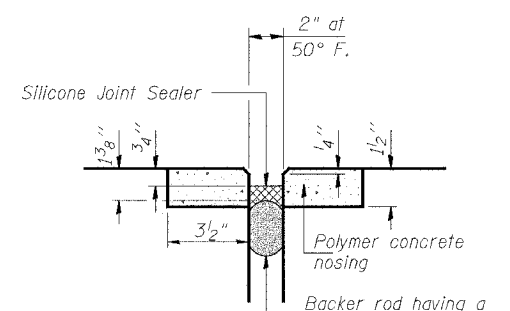


PROPOSED JOINT

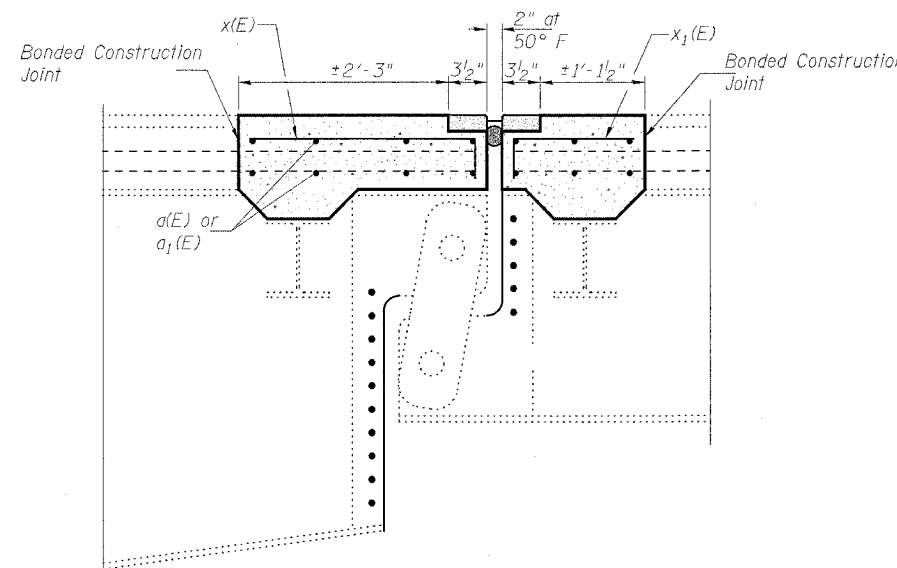


L 2 x 2 x 1/4" x 1'-3 3/4"

(Field drill 1/16" φ holes for 3/4" φ H. S. Bolts using girder holes as a template. One angle each side of fascia girder)



SILICONE JOINT SEALER DETAIL



PROPOSED JOINT

Contractor must exercise extreme care as not to damage existing pin or links while cutting beam ends. Plan dimensions and details relative to existing structure have been taken from existing plans and are subject to nominal construction variations. It shall be the Contractor's responsibility to verify such dimensions and details in the field and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in the scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.

Cost of removal and/or re-installation of all members necessary to complete the work as detailed on the plans and as specified in the Special Provisions shall be included in the cost of Structural Steel Repair.

Fasteners shall be high strength bolts. Field drill holes 1/16" φ for 3/8" φ bolts, unless otherwise noted.

Existing reinforcement extending into the removal area shall be cleaned, straightened and incorporated into the new construction. Any reinforcement bars that are damaged during concrete removal shall be replaced with an approved bar splicer or anchorage system. Cost shall be included with Concrete Removal.

Hatched area indicates Concrete Removal.

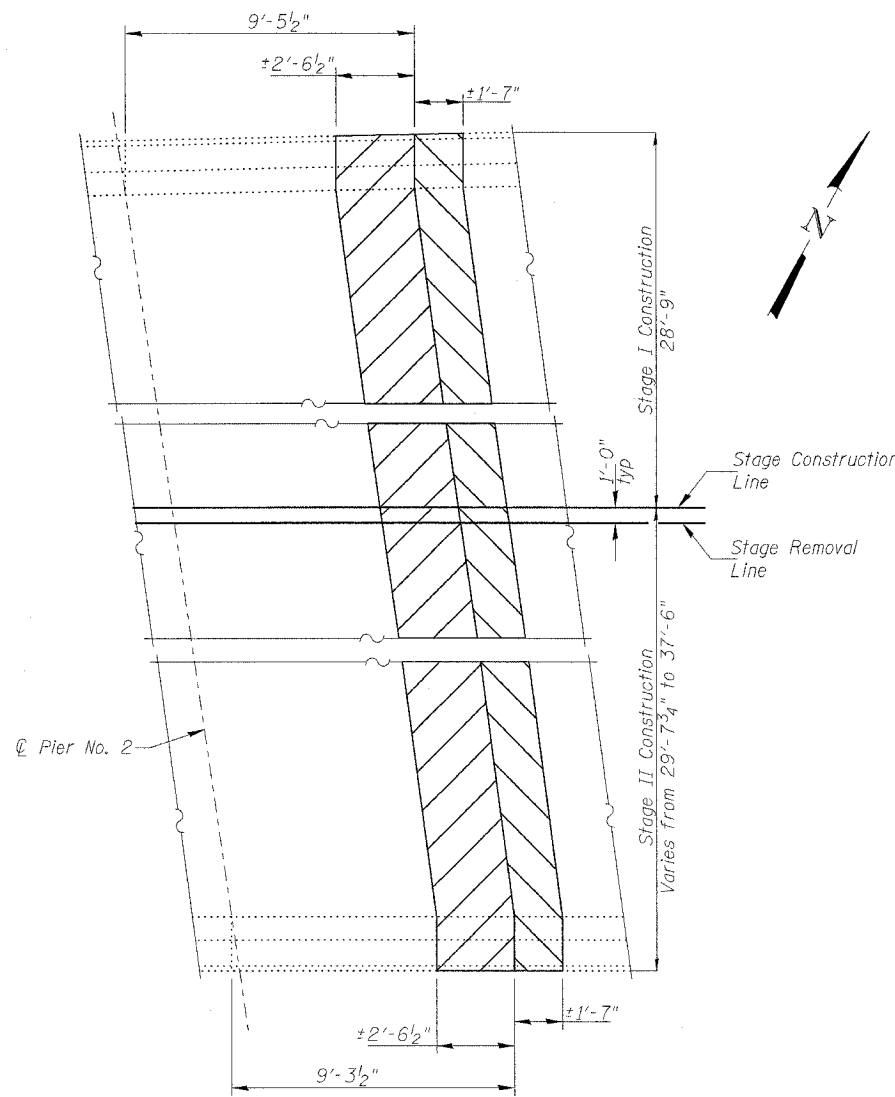
Cross-hatched area indicates removal of beam ends. Cost included with Structural Steel Repair.

Grind smooth all cut edges. Cut beam edge should be sealed by providing a weld between the web plates and the web. Cost included with Structural Steel Repair.

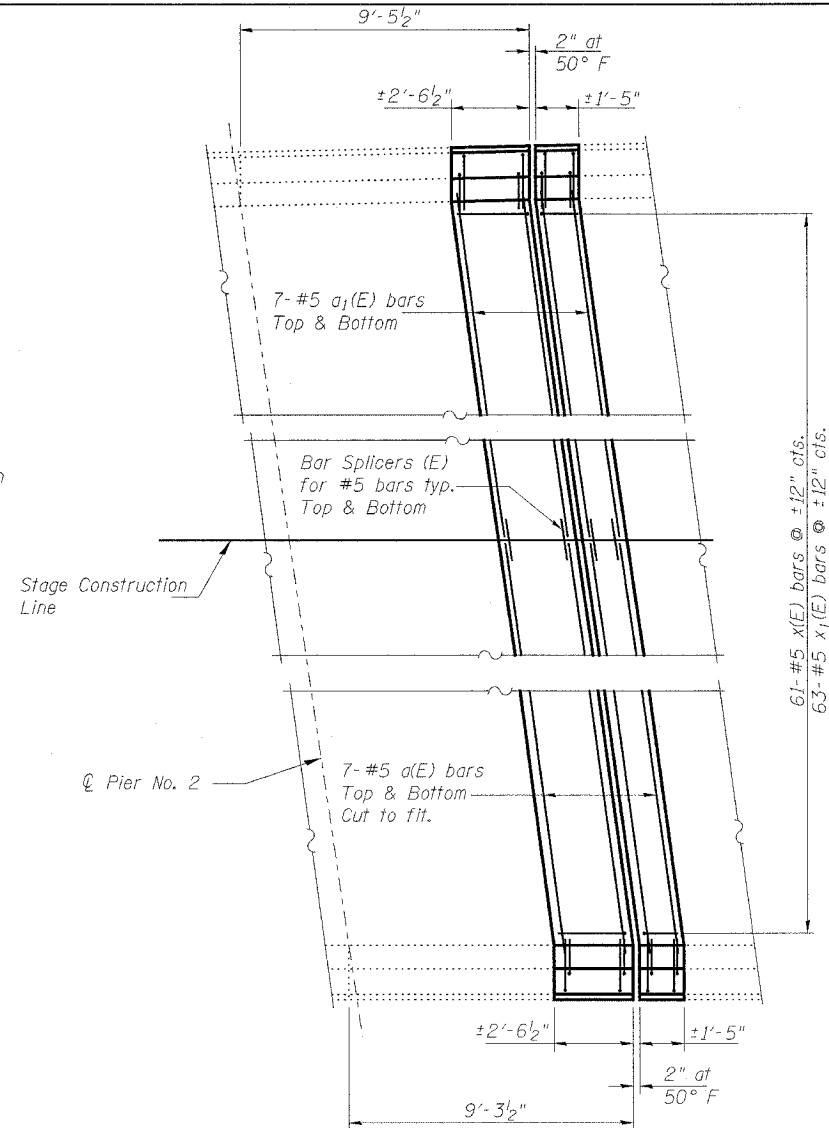
BILL OF MATERIAL

Item	Unit	TOTAL	S.N. 058-0074	S.N. 058-0075
Concrete Removal	Cu. Yd.	16.2	7.8	8.4
Concrete Superstructure	Cu. Yd.	15.6	7.5	8.1
Polymer Concrete	Cu. Ft.	9.6	4.6	5.0
Reinforcement Bars, Epoxy Coated	Pound	2800.0	1340.0	1460.0
Silicone Joint Sealer, 2"	Foot	137.1	65.5	71.6
Structural Steel Repair	Pound	270.0	130.0	140.0
Bar Splicers	Each	28.0	14.0	14.0

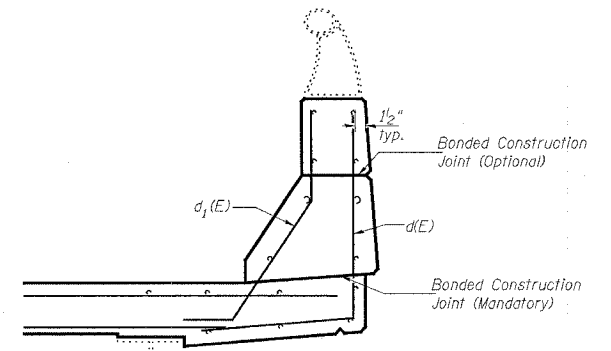
JOINT REPAIR AT LINK
F.A.I. ROUTE 72 SEC. 58-63HVB
MACON COUNTY
S.N. 058-0074 & S.N. 058-0075



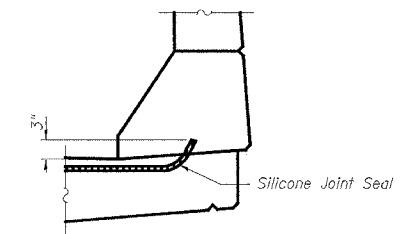
EXISTING PARTIAL PLAN
JOINT AT LINK



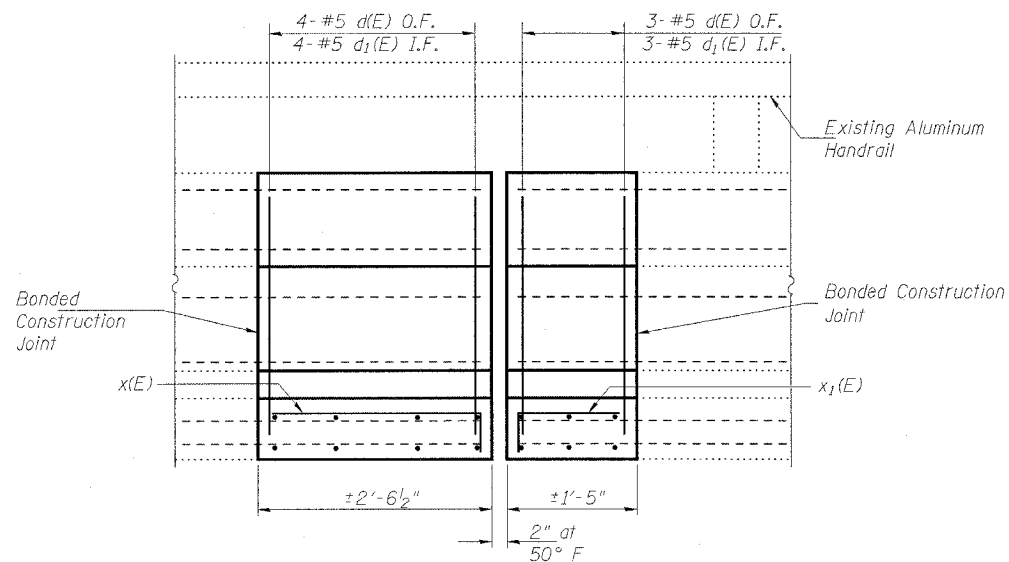
PROPOSED PARTIAL PLAN
JOINT AT LINK



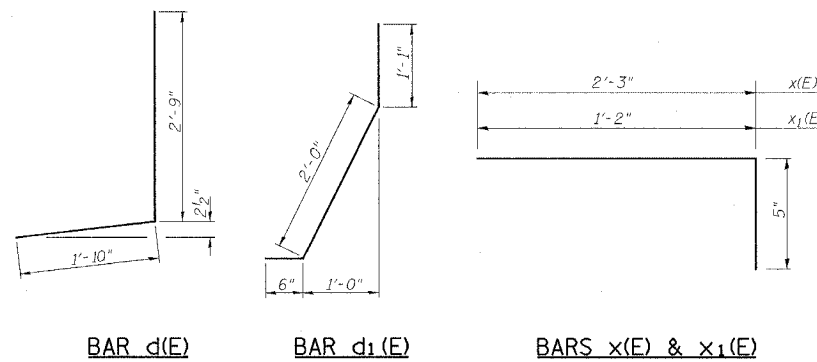
SECTION THRU PARAPET



TYPICAL END OF SEAL TREATMENT AT EXPANSION JOINT



PARAPET ELEVATION AT LINK



BILL OF MATERIAL

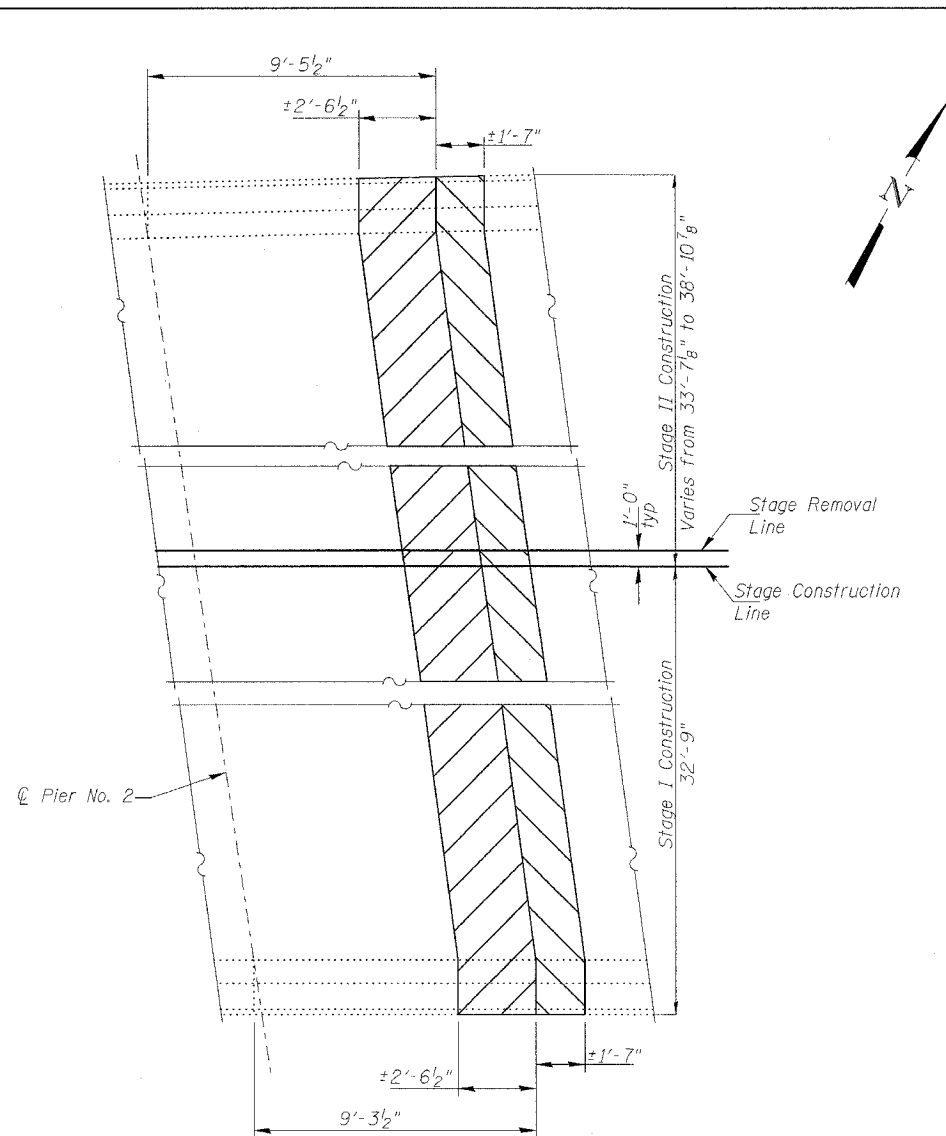
Bar	No.	Size	Length	Shape
d(E)	14	#5	28'-0"	—
a1(E)	14	#5	36'-10"	—
d(E)	14	#5	4'-7"	┌
d1(E)	14	#5	3'-7"	┌
x(E)	61	#5	2'-8"	—
x1(E)	63	#5	1'-7"	—
Reinforcement Bars, Epoxy Coated		Pound	1340	
Concrete Superstructure		Cu. Yd.	7.5	

Reinforcement bars designated (E) shall be epoxy coated.
Hatched area indicates Concrete Removal.
I.F. = Inside Face
O.F. = Outside Face

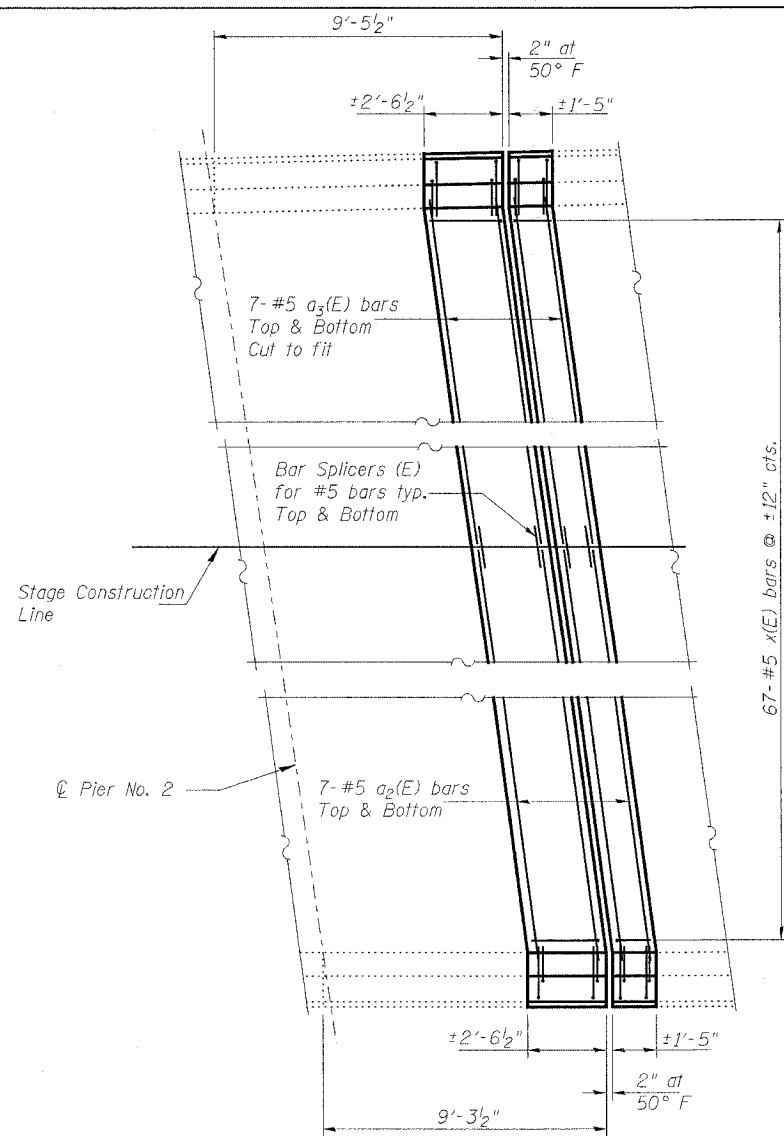
JOINT REPAIR AT LINK
F.A.I. ROUTE 72 SEC. 58-63HVB
MACON COUNTY
S.N. 058-0074

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	*	MACON	135	108

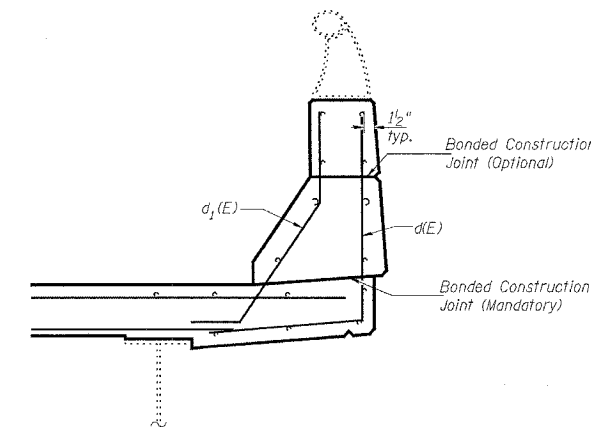
(58-62,58-62-1,58-63)RS
 CONTRACT NO. 90879
SHEET 13 of 16



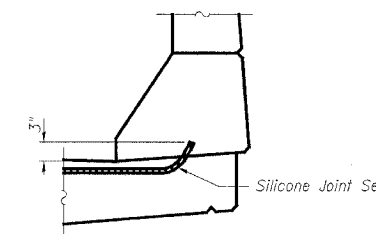
EXISTING PARTIAL PLAN
 JOINT AT LINK



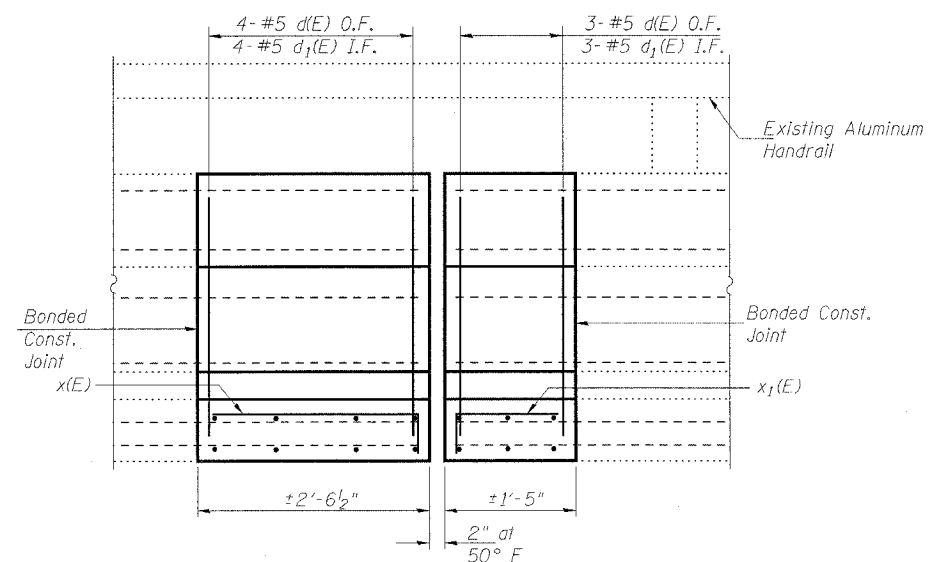
PROPOSED PARTIAL PLAN
 JOINT AT LINK



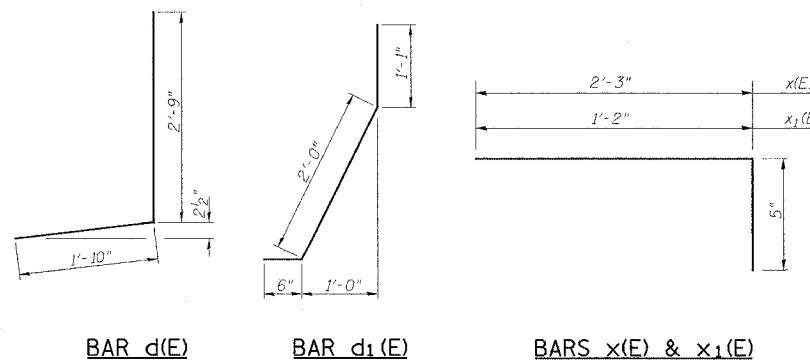
SECTION THRU PARAPET



TYPICAL END OF SEAL TREATMENT AT EXPANSION JOINT



PARAPET ELEVATION AT LINK



BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a2(E)	14	#5	32'-3"	—
a3(E)	14	#5	38'-8"	—
d(E)	14	#5	4'-7"	J
d1(E)	14	#5	3'-7"	J
x(E)	67	#5	2'-8"	—
x1(E)	69	#5	1'-7"	—
Reinforcement Bars, Epoxy Coated			Pound	1460
Concrete Superstructure			Cu. Yd.	8.1

Reinforcement bars designated (E) shall be epoxy coated.
 Hatched area indicates Concrete Removal.
 I.F. = Inside Face
 O.F. = Outside Face

JOINT REPAIR AT LINK
F.A.I. ROUTE 72 SEC. 58-63HVB
MACON COUNTY
S.N. 058-0075

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72		MACON	135	109

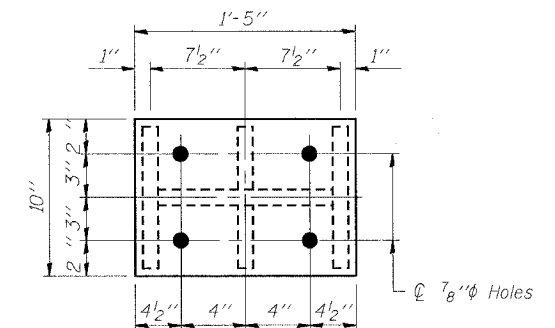
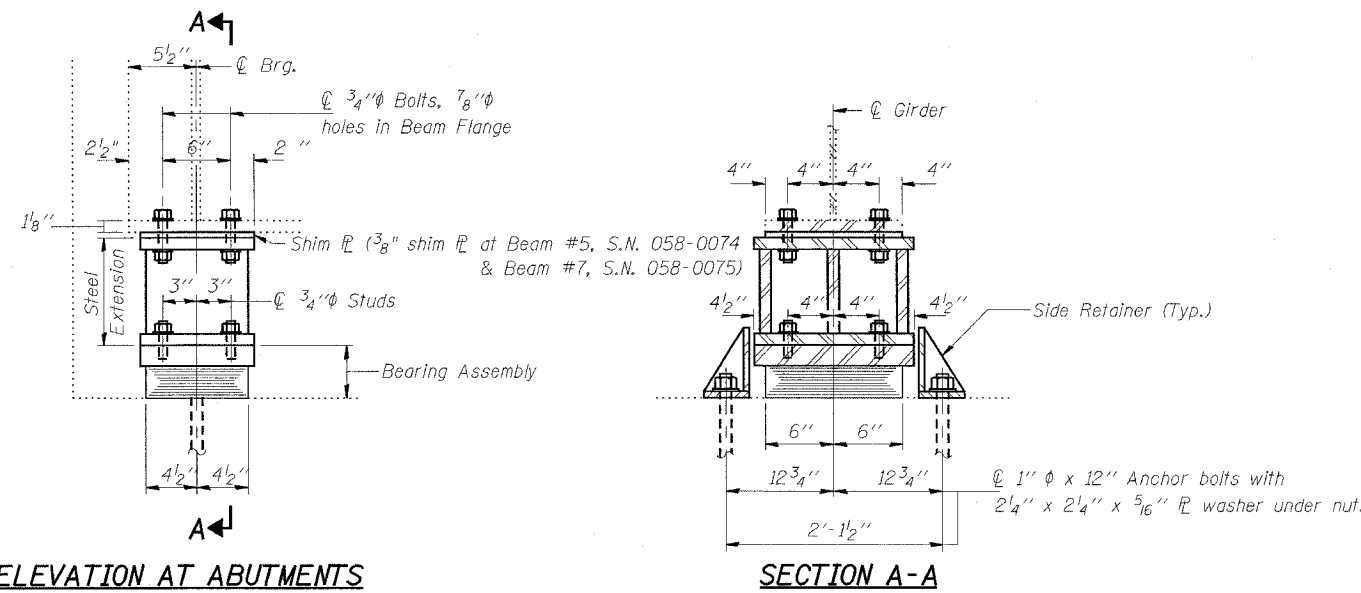
*(58-62,58-62-1,58-63)RS
CONTRACT NO. 90879

SHEET 14 of 16

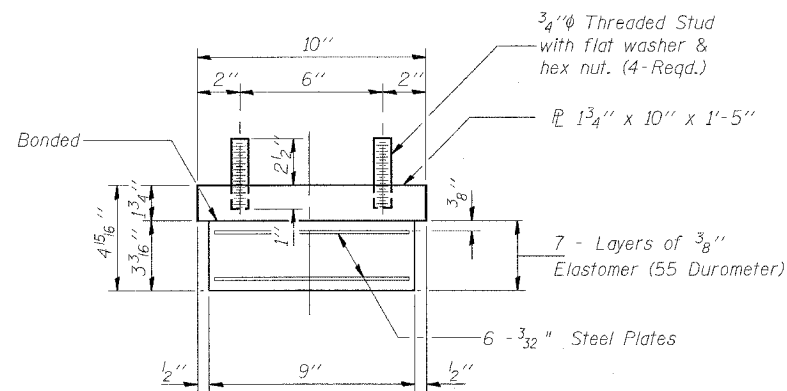
GIRDER REACTIONS

R _l	(K)	42.9
R _r	(K)	42.3
Imp.	(K)	9.5
R (Total)	(K)	94.7

Notes: Diaphragm removal and reinstallation may be required to facilitate drilling holes. Cost shall be included in the cost of Furnishing and Erecting Structural Steel.
New steel extensions, side retainers, shim π 's, connection bolts, and anchor bolts are included in Furnishing and Erecting Structural Steel.
See Sheet 16 of 16 for Anchor Bolt installation.
Prior to ordering any material, the Contractor shall verify in the field all bearing height and shim thickness dimensions.
Min. jack capacity = 51 Tons.

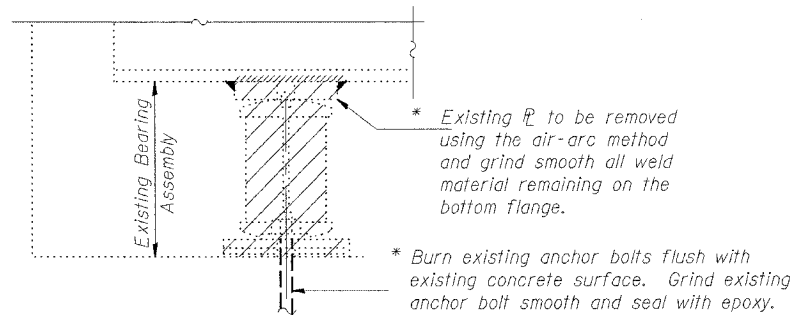


TYPE I ELASTOMERIC EXP. BRG.

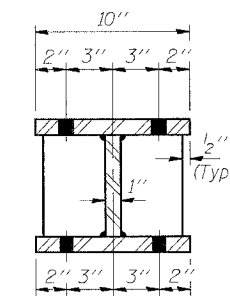


BEARING ASSEMBLY

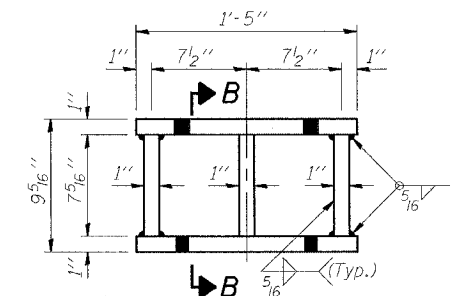
Note: Shim plates shall not be placed under Bearing Assembly.



EXISTING BEARING REMOVAL DETAIL



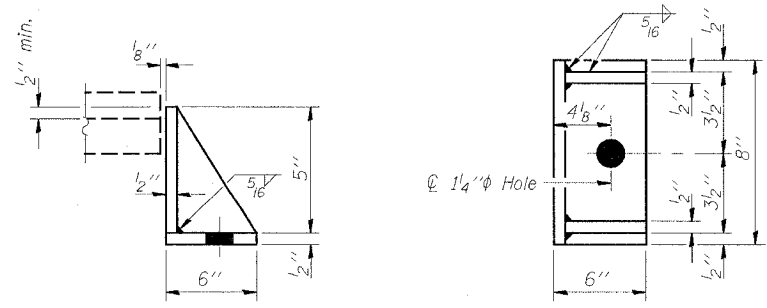
SECTION B-B



STEEL EXTENSION DETAIL

BILL OF MATERIAL

Item	Unit	Total	S.N. 058-0074	S.N. 058-0075
Elastomeric Bearing Assembly Type I	Each	19.0	9.0	10.0
Jack and Remove Existing Bearing	Each	19.0	9.0	10.0
Furnishing and Erecting Structural Steel	Lbs.	2450.0	2140.0	2310.0



SIDE RETAINER

Equivalent rolled angle with stiffeners will be allowed in lieu of welded plates.

BEARING DETAILS
S. ABUTMENT
 F.A.I. ROUTE 72 SEC. 58-63HVB
 MACON COUNTY
 SN 058-0074 & S.N. 058-0075

NOTES

Bar splicer assemblies shall be of an approved type and shall develop in tension at least 125 percent of the yield strength of the lapped reinforcement bars.
 Splicer rods shall be of minimum 60 ksi yield strength, threaded or coiled full length.
 All reinforcement bars shall be lapped and tied to the splicer rods or dowel bars.
 Bar splicer assemblies shall be epoxy coated according to the requirements for reinforcement bars.
 Other systems of similar design may be submitted to the Engineer for approval. Approval shall be based on certified test results from an approved testing laboratory that the proposed bar splicer assembly satisfies the following requirements:

- ① Minimum Capacity = $1.25 \times f_y \times A_t$
(Tension in kips)
- ② Minimum *Pull-out Strength = $1.25 \times f_{s,allow} \times A_t$
(Tension in kips)

Where f_y = Yield strength of lapped reinforcement bars in ksi.
 $f_{s,allow}$ = Allowable tensile stress in lapped reinforcement bars in ksi (Service Load)
 A_t = Tensile stress area of lapped reinforcement bars.
 * = 28 day concrete

BAR SPLICER ASSEMBLIES			
Bar Size to be Spliced	Splicer Rod or Dowel Bar Length	Strength Requirements	
		Min. Capacity kips - tension	Min. Pull-Out Strength kips - tension
#4	1'-8"	14.7	5.9
#5	2'-0"	23.0	9.2
#6	2'-7"	33.1	13.3
#7	3'-5"	45.1	18.0
#8	4'-6"	58.9	23.6
#9	5'-9"	75.0	30.0
#10	7'-3"	95.0	38.0
#11	9'-0"	117.4	46.8

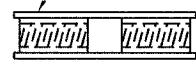
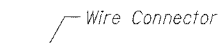
Bar splicer assemblies shall be according to Section 508 of the Standard Specifications, except as noted. The furnishing and installation of bar splicer assemblies will be measured and paid for at the contract unit price each for "BAR SPLICERS."

The diameter of this part is the same as the diameter of the bar spliced.

ROLLED THREAD DOWEL BAR



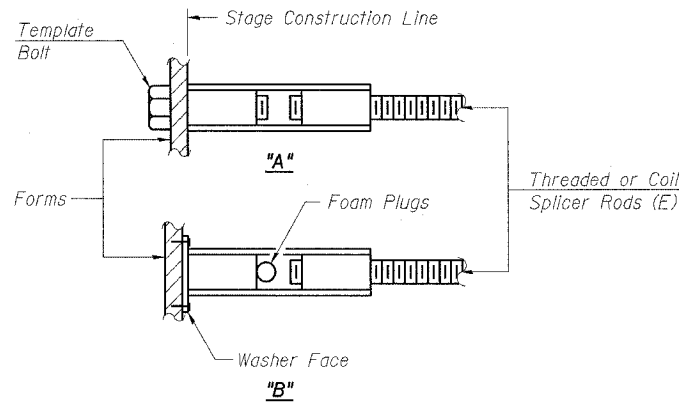
**** ONE PIECE**



WELDED SECTIONS

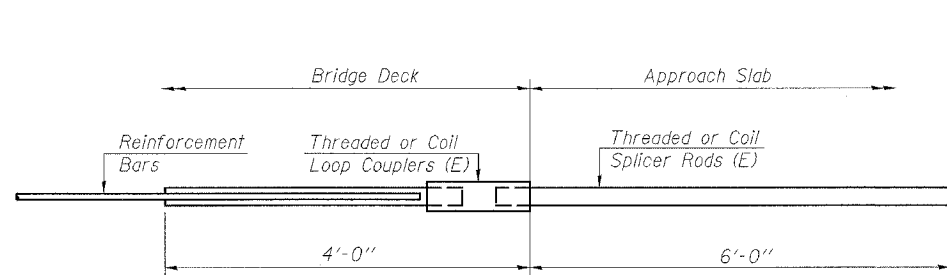
BAR SPLICER ASSEMBLY ALTERNATIVES

** Heavy Hex Nuts conforming to ASTM A 563, Grade C, D or DH may be used.



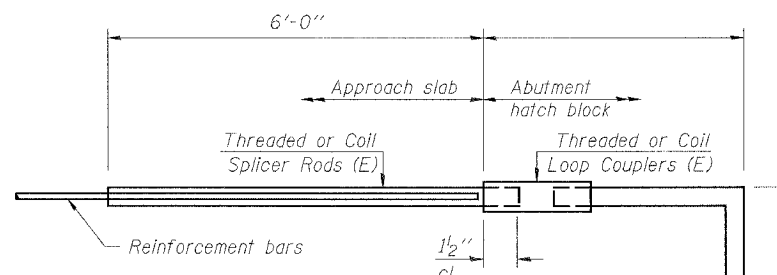
INSTALLATION AND SETTING METHODS

"A": Set bar splicer assembly by means of a template bolt.
 "B": Set bar splicer assembly by nailing to wood forms or cementing to steel forms.
 (E) : Indicates epoxy coating.



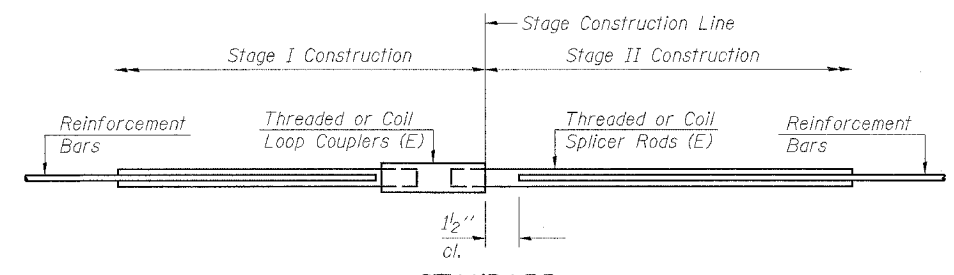
FOR INTEGRAL OR SEMI-INTEGRAL ABUTMENTS

Bar Splicer for #5 bar	
Min. Capacity =	23.0 kips - tension
Min. Pull-out Strength =	9.2 kips - tension
No. Required =	



FOR PILE BENT ABUTMENTS

Bar Splicer for #5 bar	
Min. Capacity =	23.0 kips - tension
Min. Pull-out Strength =	9.2 kips - tension
No. Required =	



STANDARD

Bar Size	No. Assemblies Required	Location
#5	14	Structure No. 058-0074 at Pin & Link Stage Const. Line
#5	14	Structure No. 058-0075 at Pin & Link Stage Const. Line
#5	8	Structure No. 058-0074 at South Abutment Stage Const. Line
#5	8	Structure No. 058-0075 at South Abutment Stage Const. Line
#6	3	Structure No. 058-0074 at South Abutment Stage Const. Line
#6	3	Structure No. 058-0075 at South Abutment Stage Const. Line

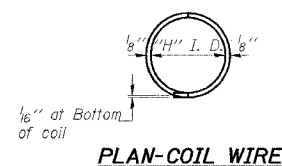
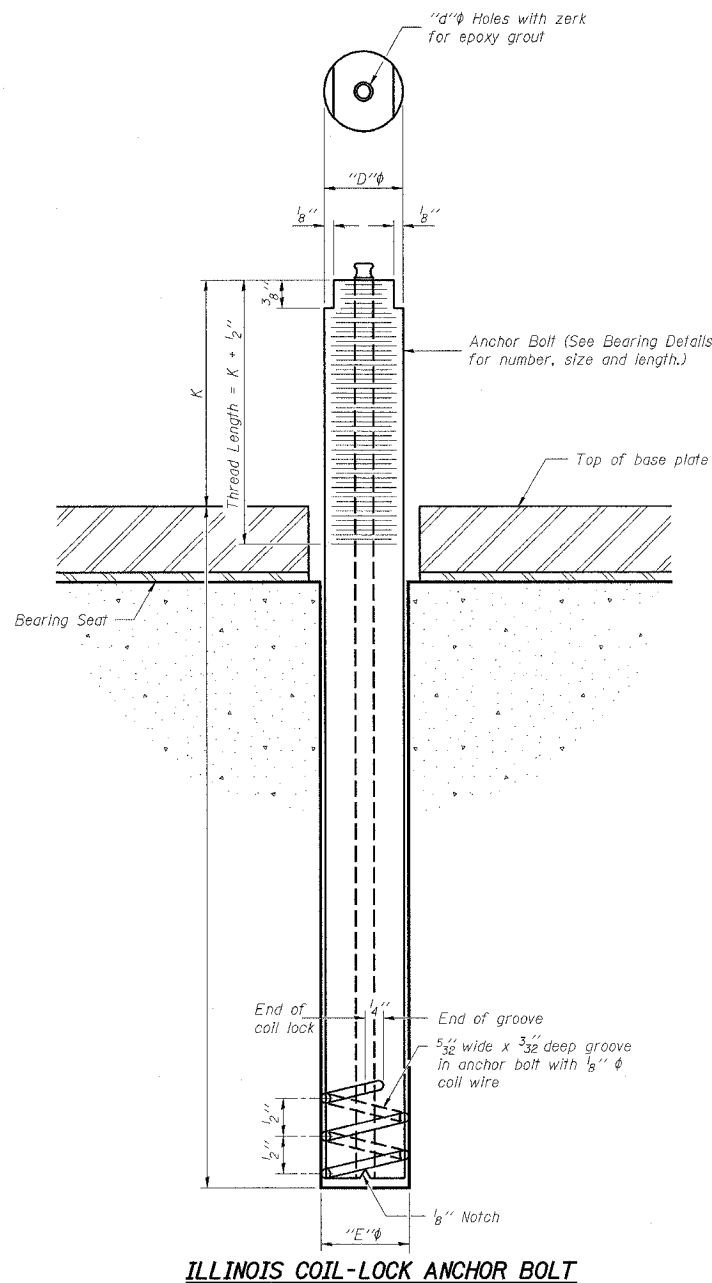
BAR SPLICER ASSEMBLY DETAILS
F.A.I. ROUTE 72 SEC. 58-63HVB
MACON COUNTY
S.N. 058-0074 & S.N. 058-0075

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	*	MACON	135	111

•158-62,58-62-1,58-63)RS
 CONTRACT NO. 90879
 SHEET 16 of 16

The Illinois Coil-Lock Anchor Bolt is a proprietary item which is the property of the Illinois Department of Transportation. Use, reproduction or disclosure without express written permission is prohibited and protected under Federal copyright laws. The production and the fabrication of this bolt for use on highway projects in the State of Illinois shall be permitted and there shall be no incurred charges or fees to the manufacturer or the fabricator for producing or fabricating this bolt.

D	E	H	K	"d"
1"	1 1/8"	3 1/8"	1 3/4"	1/4"
1 1/4"	1 3/8"	1 1/2"	2"	3/8"
1 1/2"	1 5/8"	1 5/8"	2 1/8"	1/2"
2"	2 1/8"	1 3/4"	2 7/8"	1/2"
2 1/2"	2 5/8"	2 5/8"	3 3/8"	1"



PLAN-COIL WIRE

MATERIALS FOR ILLINOIS COIL-LOCK ANCHOR BOLT

The anchor bolt shall be fabricated from cold drawn or hot finished seamless carbon steel mechanical tubing conforming to ASTM A 519, Grade 1026, CW and supplied with hexagonal nuts and cut washers.
 The coil wire shall be made of any suitable soft steel wire.
 The finished anchor bolt shall be cleaned of rust and other foreign materials and wrapped or packaged to prevent contamination until they are installed.
 The epoxy grout shall be a two-component, epoxy resin bonding system conforming to ASTM C 881, Type 1, Grade 1 and of a Class suitable for the temperature at installation.

INSTALLATION PROCEDURE for the ILLINOIS COIL-LOCK ANCHOR BOLT

1. With the coil wire in place, the bolt shall be inserted into the hole and turned clockwise to a snug fit in the hole. Nut and washer shall be placed on the bolt. The nut shall be tensioned until the steel base plates are held securely to the concrete bearing seat.
2. Epoxy grout shall be pumped through the zerk fitting with a pressure gun. Pumping shall continue until the epoxy overflows the hole around the bolt shank. After pumping is discontinued, excess epoxy shall be immediately wiped off.

ALTERNATE ANCHOR BOLTS

The Contractor may use, at his option, the capsule or the adhesive cartridge type anchor rods that have been previously tested and given a prior approval by the Department. The Contractor shall install these anchor rods in pre-drilled holes according to the manufacturer's recommendations and procedures.
 The capsule or the adhesive cartridge type anchor rods shall be a two part system composed of:
 1. A threaded rod stud with nut and washer of the type specified.
 2. A sealed glass capsule or a sealed glass adhesive cartridge containing premeasured amounts of the adhesive chemical.

Location	Type
S. ABUTMENT	A307

ASTM F 1554 Grade 105, ASTM A 449 and AASHTO M 314 Grade 105 anchor bolts may be substituted for the anchor bolts shown above.

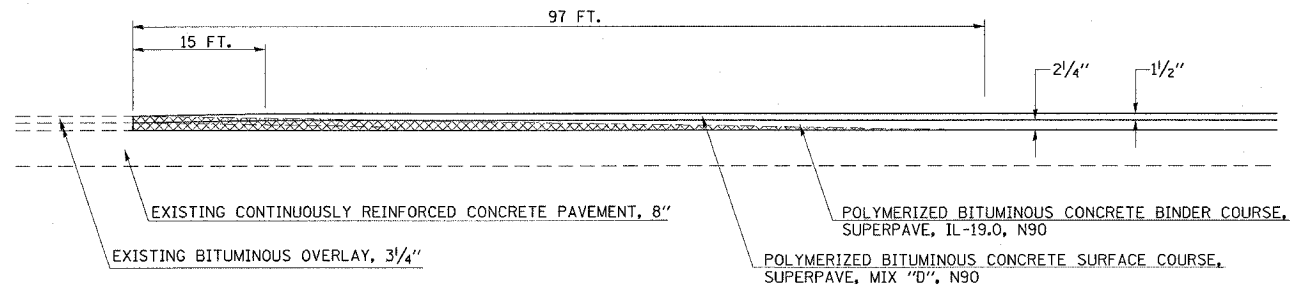
GENERAL NOTES

Holes in the masonry for anchor bolts shall be drilled through the base plates to the diameter and depth shown or according to the manufacturer's recommendation after beams or girders have been erected and adjusted.
 Prior to setting the bolts, the holes shall be dry and all dust and loose particles shall be removed by the use of compressed air or vacuuming.
 The anchor bolts, furnished and installed including the epoxy grout or capsules shall not be paid for separately but shall be included in the unit bid price for Furnishing and Erecting Structural Steel.

ANCHOR BOLT DETAILS
 F.A.I. 72
 SECTION 58-63HVB
 MACON COUNTY
 S.N. 058-0074
 &
 S.N. 058-0075

DETAIL OF BITUMINOUS SURFACE REMOVAL - BUTT JOINT

END OF PROJECT - I-72 - STATION 861+36.68



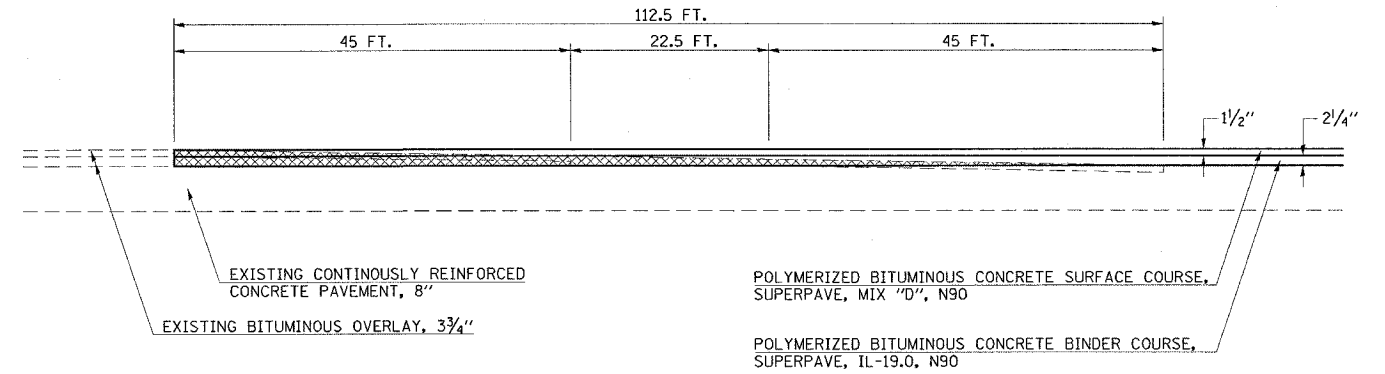
BITUMINOUS SURFACE REMOVAL - BUTT JOINT

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72		MACON	135	112

DETAIL OF BITUMINOUS SURFACE REMOVAL - BUTT JOINT

START OF PROJECT - I-72 - STATION 415+07.22

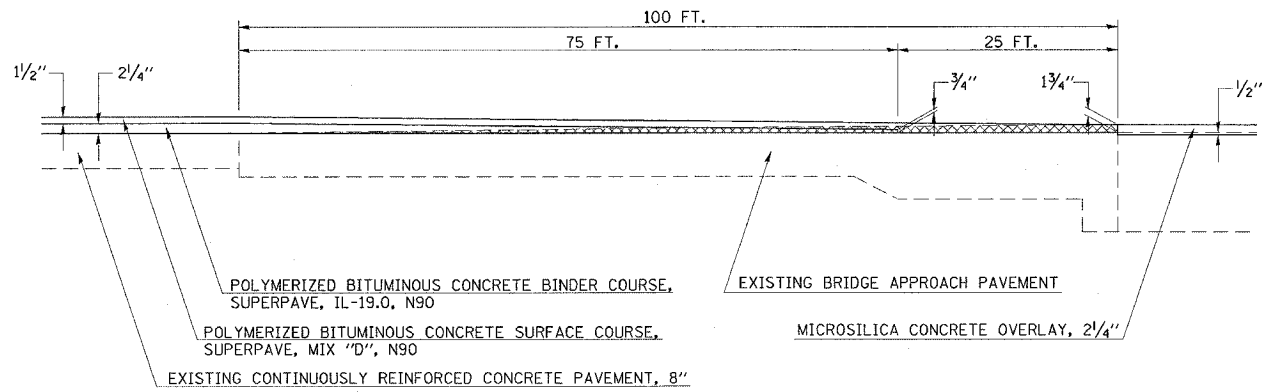
• (58-62.58-62-1.58-63)RS
CONTRACT NO. 90879



BITUMINOUS SURFACE REMOVAL - BUTT JOINT

DETAIL OF RUNDOWN AT DUAL STRUCTURE

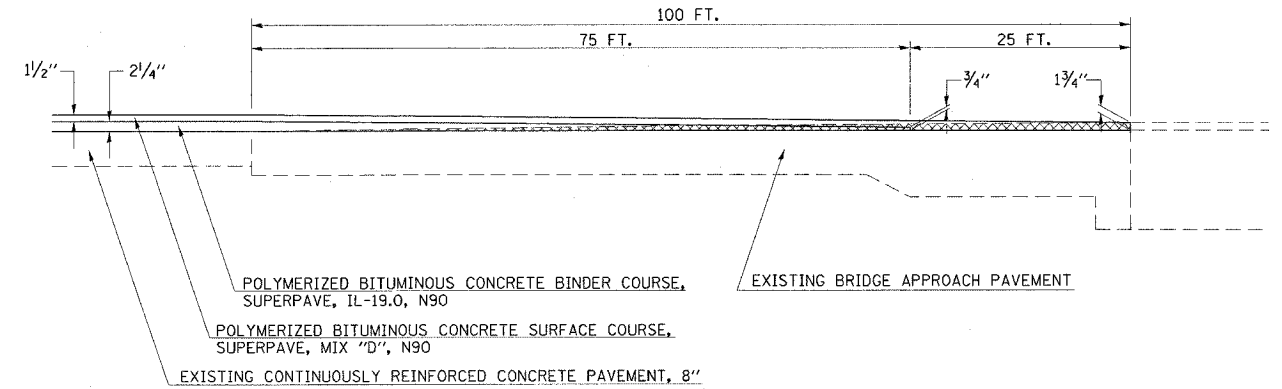
S. N. 058-0074 & S. N. 058-0075



BITUMINOUS SURFACE REMOVAL - BUTT JOINT

DETAIL OF RUNDOWN AT STRUCTURE

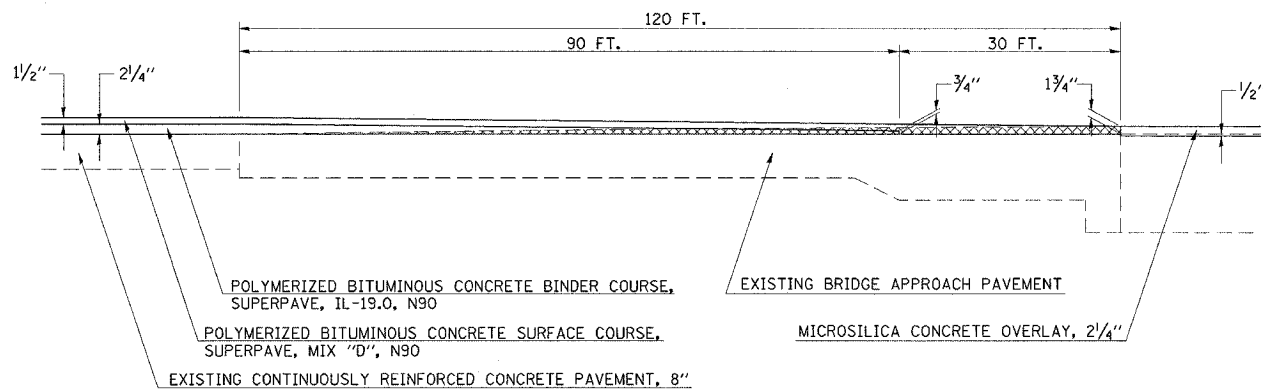
S. N. 058-0066
S. N. 058-0067




BITUMINOUS SURFACE REMOVAL - BUTT JOINT

DETAIL OF RUNDOWN AT DUAL STRUCTURE

S. N. 058-0068 & S. N. 058-0069
 S. N. 058-0070 & S. N. 058-0071



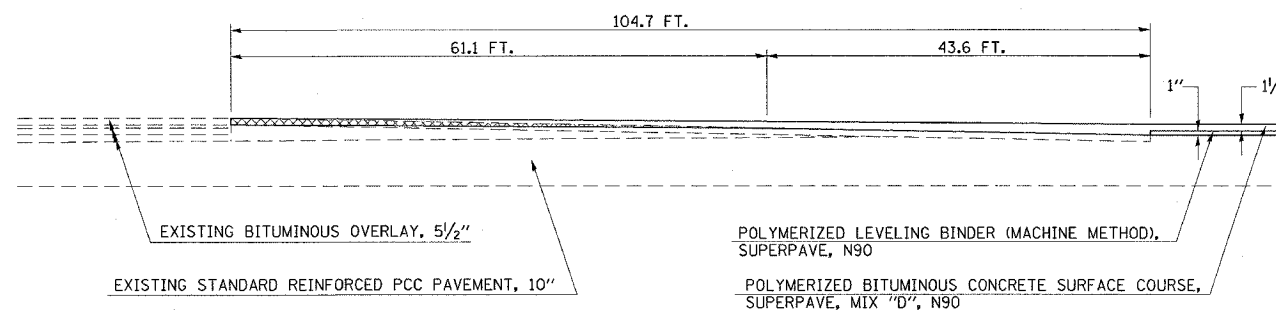
 BITUMINOUS SURFACE REMOVAL - BUTT JOINT

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72		MACON	135	113

DETAIL OF BITUMINOUS SURFACE REMOVAL - BUTT JOINT

START OF LIMITS - IL 121 - STATION 878+24.32

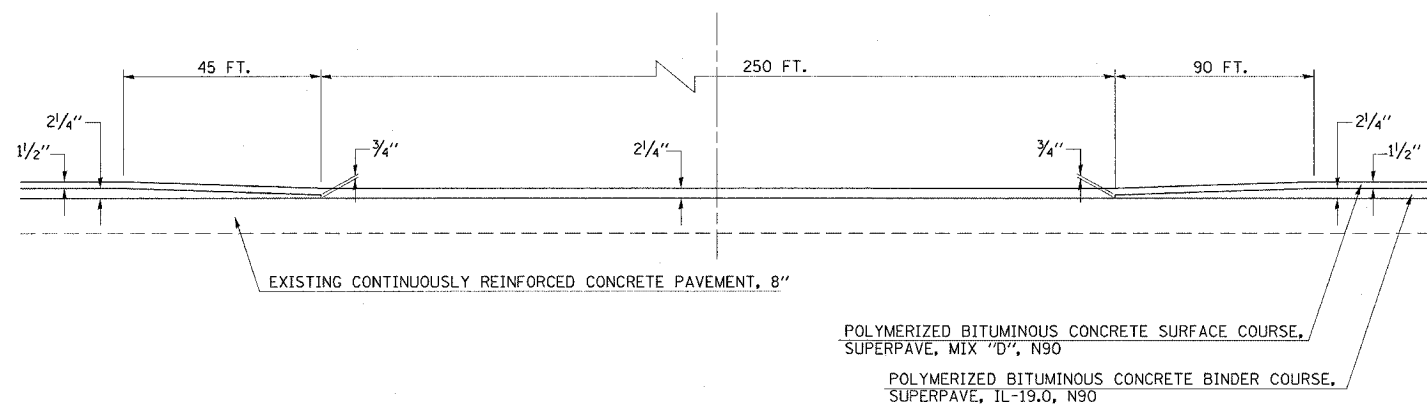
(58-62,58-62-1,58-63)RS
 CONTRACT NO. 90879

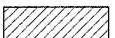


 BITUMINOUS SURFACE REMOVAL - BUTT JOINT

DETAIL OF RUNDOWN UNDER OVERHEAD STRUCTURE

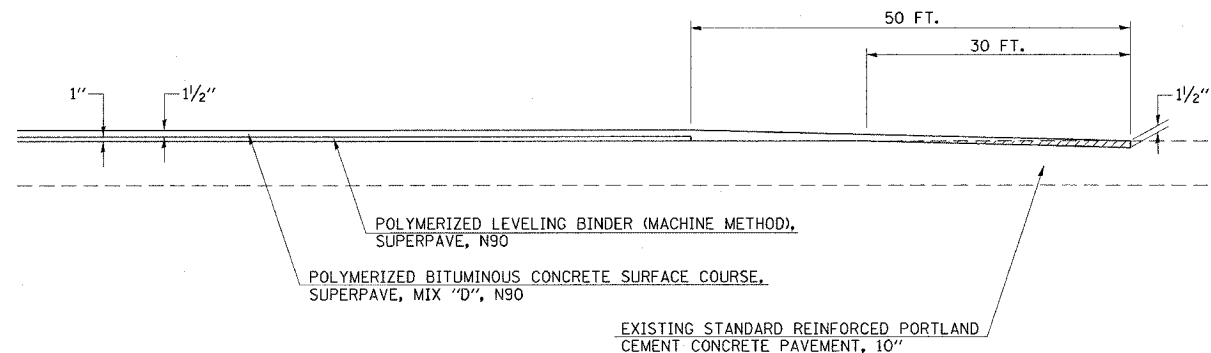
S. N. 058-0076
 EASTBOUND & WESTBOUND LANES



 PCC SURFACE REMOVAL - BUTT JOINT

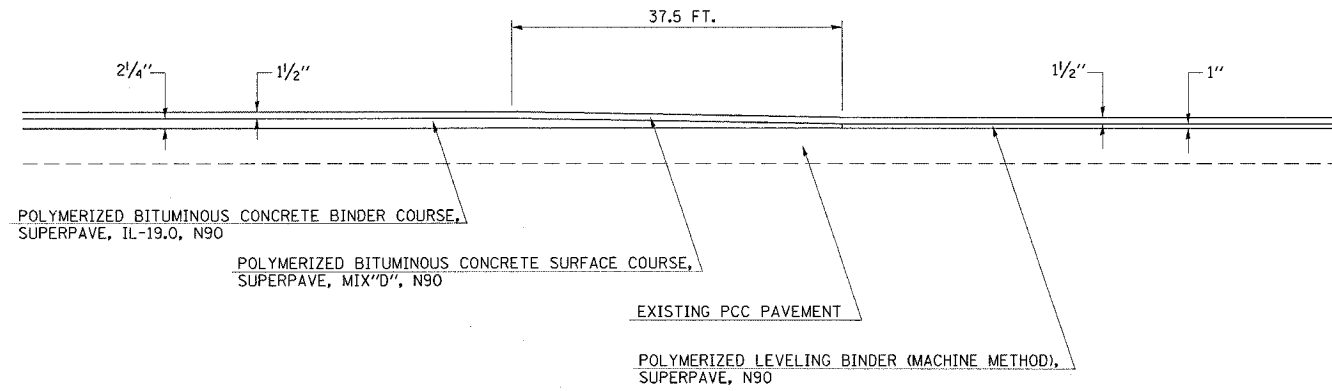
DETAIL OF PORTLAND CEMENT CONCRETE REMOVAL - BUTT JOINT

END OF LIMITS - IL 121 - STATION 920+60.90



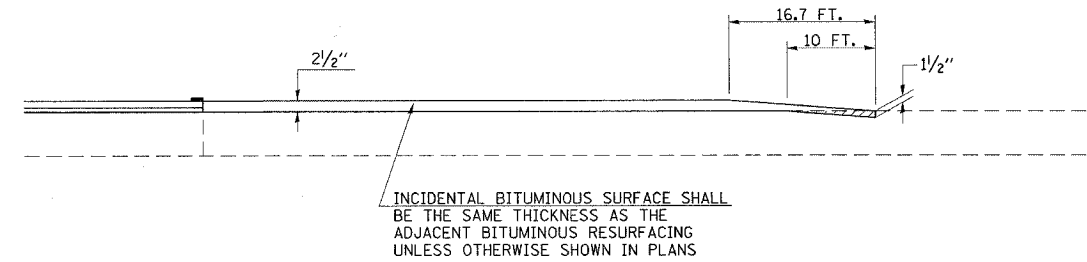
DETAIL OF RUNDOWN BETWEEN MAINLINE AND RAMPS

SR 121



DETAIL OF SIDEROAD BUTT JOINT

(CONCRETE)

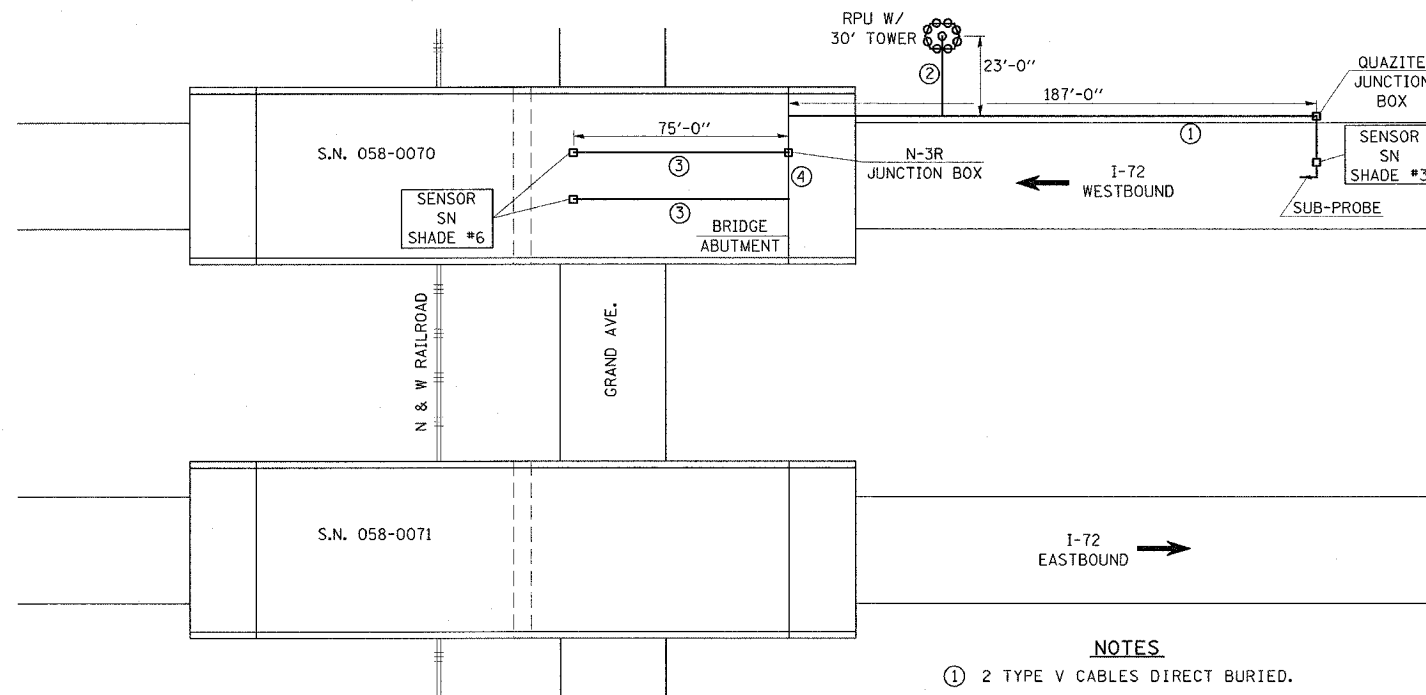


F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72		MACON	135	114

• (58-62,58-62-1,58-63)RS
CONTRACT NO. 90879

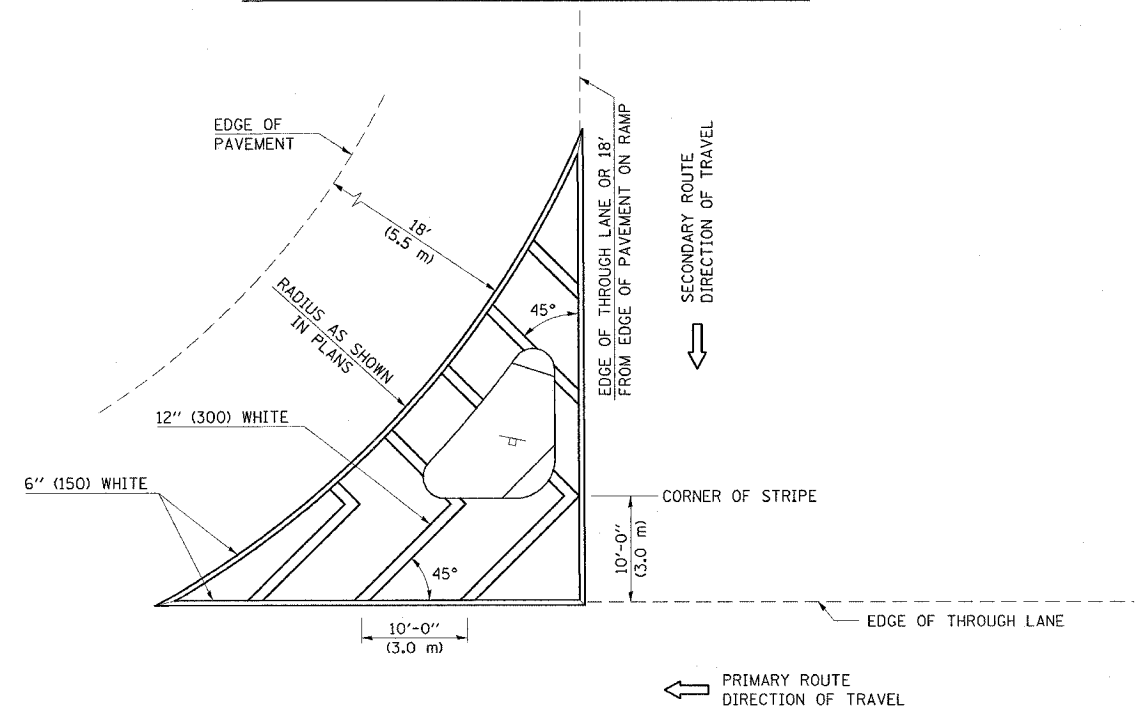
PCC SURFACE REMOVAL - BUTT JOINT

EXISTING ROADWAY WEATHER INFORMATION SYSTEM



- NOTES**
- ① 2 TYPE V CABLES DIRECT BURIED.
 - ② 4 TYPE V CABLES DIRECT BURIED.
 - ③ 1 TYPE II CABLE IN 1" GRC CONDUIT MOUNTED ON UNDERSIDE OF BRIDGE.
 - ④ 1 TYPE II CABLE IN 1" GRC CONDUIT MOUNTED ON BRIDGE ABUTMENT.

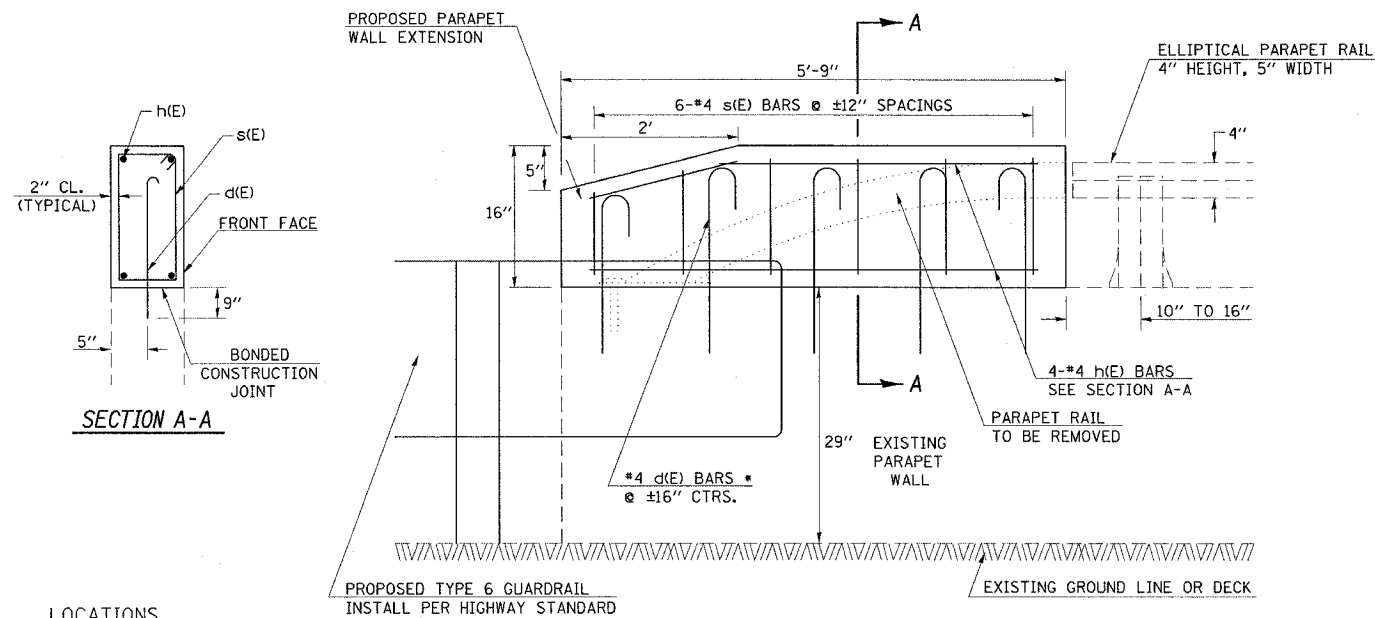
DETAIL OF TYPICAL PAINTED ISLAND



	NAME	DATE	REVISIONS	
			NAME	DATE
DESIGNED	C.K.P.	11-97	J.L.A.	06/03
CHECKED	D.L.P.	11-97		
CADD NO.	F-5.15			

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

PARAPET WALL EXTENSION

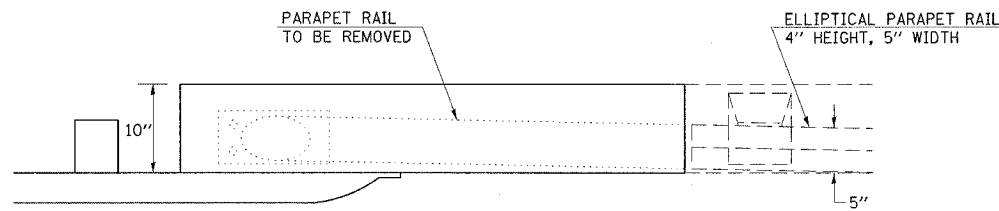


ELEVATION

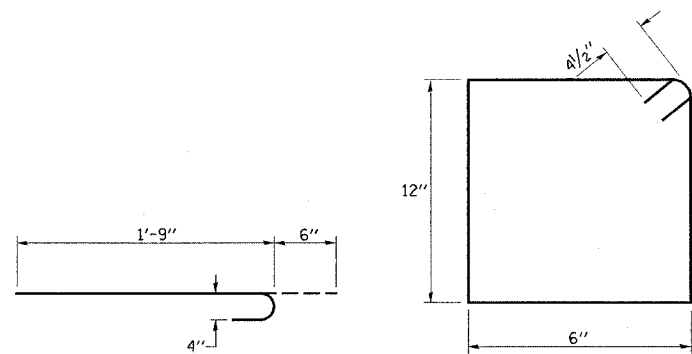
LOCATIONS

- SN 058-0066 @ 2 LOC.
- SN 058-0067 @ 2 LOC.
- SN 058-0068 @ 2 LOC.
- SN 058-0069 @ 2 LOC.
- SN 058-0070 @ 2 LOC.
- SN 058-0071 @ 2 LOC.
- SN 058-0072 @ 4 LOC.
- SN 058-0073 @ 4 LOC.
- SN 058-0074 @ 4 LOC.
- SN 058-0075 @ 4 LOC.
- SN 058-0076 @ 4 LOC.

• EPOXY GROUTED BARS



PLAN



BAR d(E)

BAR s(E)

BAR TABLE

Bar	No.	Size	Length	Shape
d(E)	5	#4	2'-3"	U
s(E)	6	#4	3'-9"	□
h(E)	4	#4	5'-5"	—

**BILL OF MATERIALS
(PER LOCATION)**

ITEM	UNIT	QUANTITY
CONCRETE SUPERSTRUCTURE	CU. YD.	0.22
REINFORCEMENT BARS, EPOXY COATED	LB.	37.0
BRIDGE RAIL REMOVAL	FOOT	4.8

GENERAL NOTES

EPOXY GROUTING SHALL BE DONE IN ACCORDANCE WITH ARTICLE 584 OF THE STANDARD SPECIFICATIONS. THE COST OF THE EPOXY GROUTING AND DRILLING SHALL BE INCLUDED IN THE COST OF REINFORCEMENT BARS, EPOXY COATED.

REINFORCEMENT BARS SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M31 OR M322, GRADE 60. REINFORCEMENT BARS DESIGNATED (E) ARE EPOXY COATED BARS.

THE EXISTING BRIDGE RAIL SHALL BE CUT SHORT OF THE NEW CONCRETE BY 1" TO ALLOW FOR PLACEMENT OF FORMS.

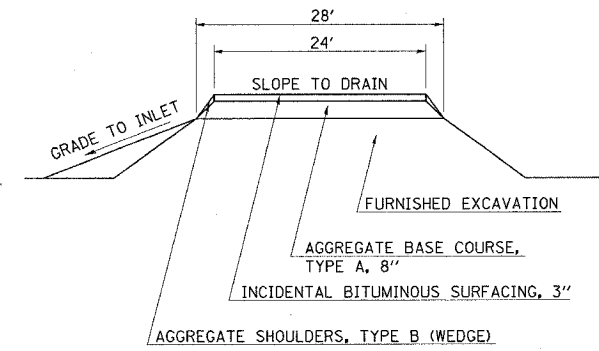
PLAN DIMENSIONS AND DETAILS RELATIVE TO THE EXISTING STRUCTURE HAVE BEEN TAKEN FROM EXISTING PLANS AND ARE SUBJECT TO NOMINAL CONSTRUCTION VARIATIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY SUCH DIMENSIONS AND DETAILS IN THE FIELD AND MAKE NECESSARY APPROVED ADJUSTMENTS PRIOR TO CONSTRUCTION OR ORDERING OF MATERIALS. SUCH VARIATIONS SHALL NOT BE CAUSE FOR ADDITIONAL COMPENSATION FOR A CHANGE IN THE SCOPE OF THE WORK. HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED AT THE UNIT PRICE FOR THE WORK.

DETAIL OF MEDIAN CROSSOVER TO BE CONSTRUCTED

STA. 546+00

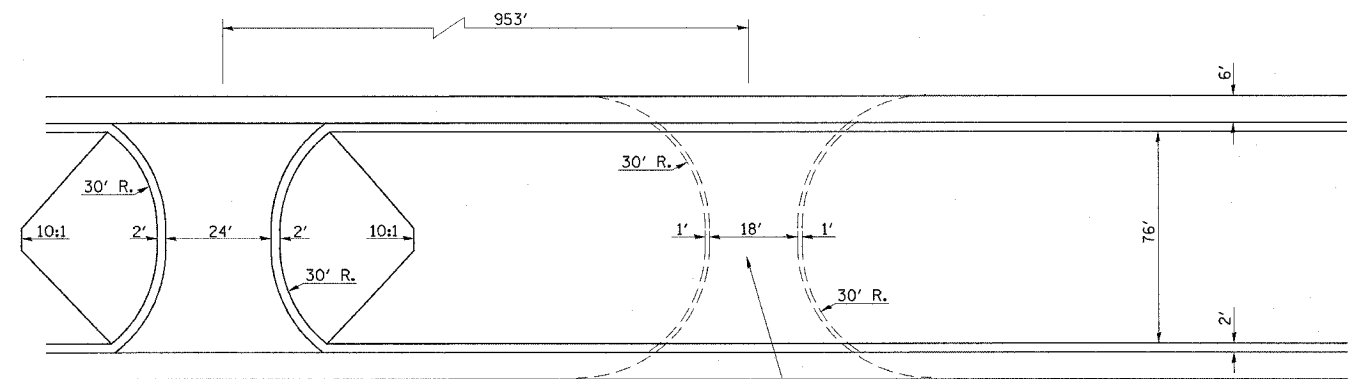
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72		MACON	135	115

(58-62,58-62-1,58-63)RS
CONTRACT NO. 90879



ELEVATION

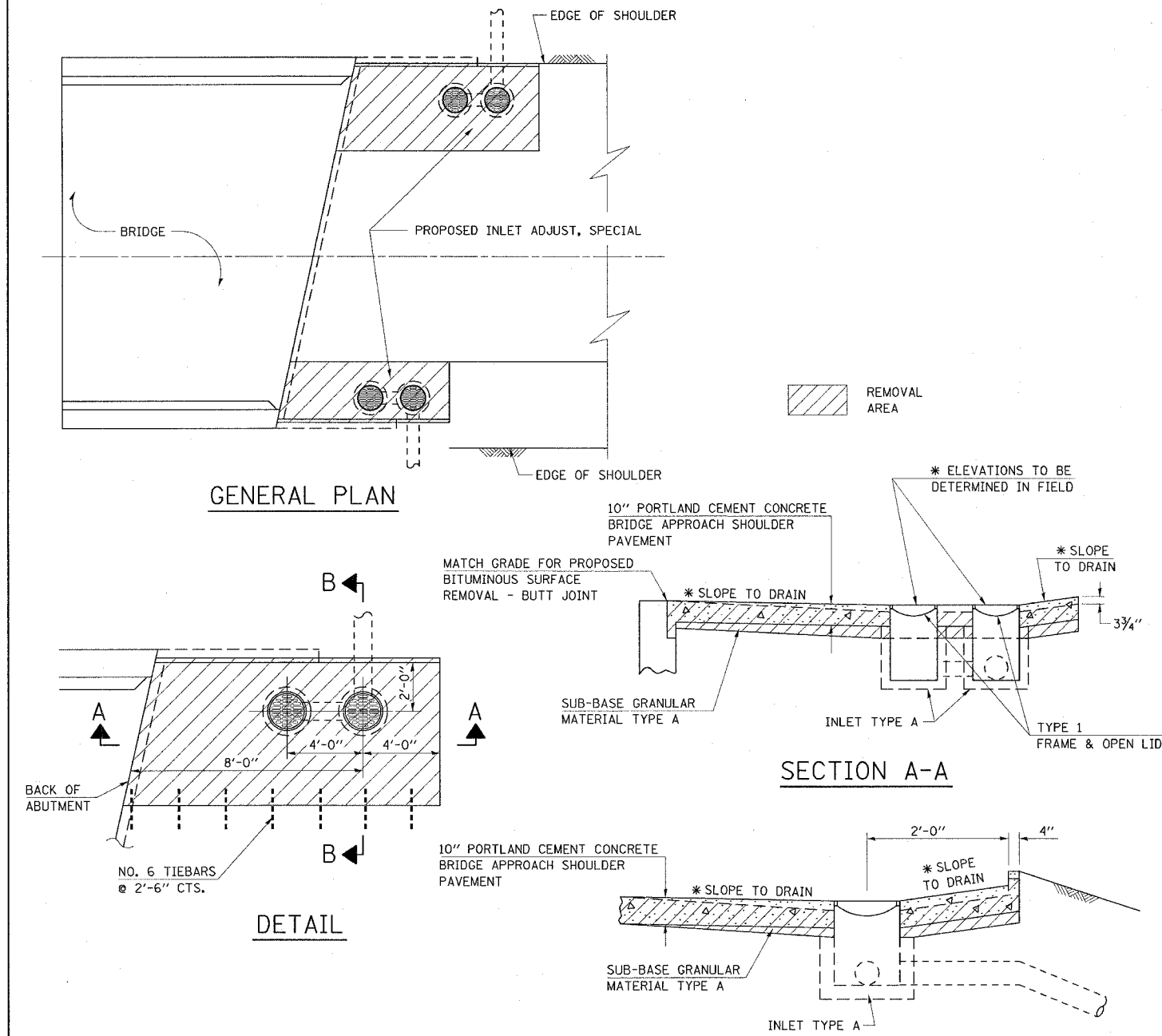
NOTE:
SEE DETAIL OF
DECELERATION LANE



PLAN

EXISTING CROSSOVER TO BE REMOVED
STA. 555+53

DETAIL OF INLET ADJUSTMENT, SPECIAL



GENERAL PLAN

DETAIL

SECTION A-A

SECTION B-B

GENERAL NOTES

- 1 INLETS SHALL BE RAISED BY METHODS APPROVED BY ENGINEER.
- 2 NO. 6 TIEBARS SHALL BE USED UNLESS OTHERWISE NOTED.
- 3 IF FIELD CONDITIONS DO NOT PROHIBIT FULL USE OF DETAIL THE ENGINEER SHALL MAKE MODIFICATIONS WITH NO ADDITIONAL COMPENSATION.
- 4 ELEVATIONS AND GRADES SHALL BE DETERMINED BY ENGINEER IN FIELD.
- 5 ALL WORK SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER EACH FOR INLET ADJUSTMENT, SPECIAL WHICH PRICE SHALL INCLUDE ALL LABOR AND MATERIALS AS SPECIFIED AND NO ADDITIONAL COMPENSATION SHALL BE ALLOWED.

* TO BE DETERMINED IN FIELD

REVISOR JMS
3-25-05

TOTAL BILL OF MATERIAL

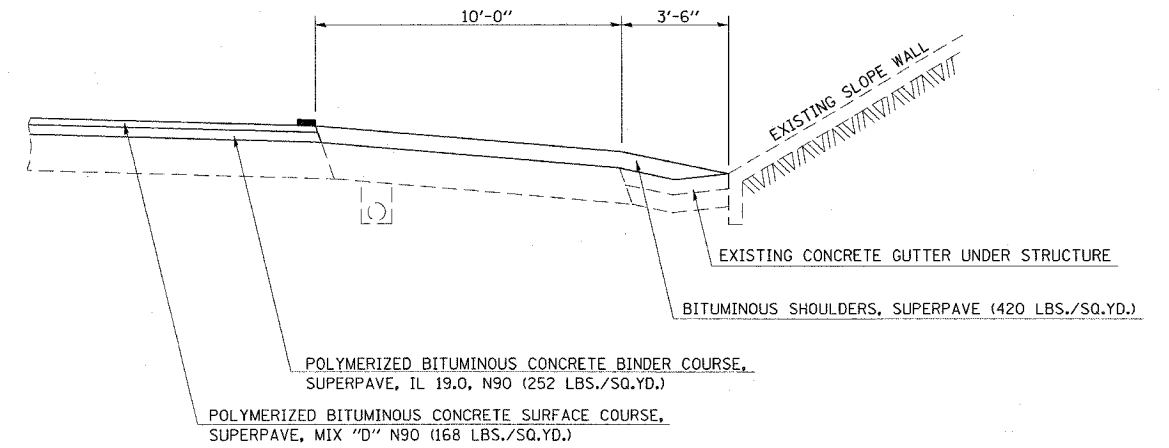
10" PORTLAND CEMENT CONCRETE BRIDGE APPROACH SHOULDER PAVEMENT	14.2 SQ YD
SUB-BASE GRANULAR MATERIAL, TYPE A	14.2 SQ YD
EPOXY COATED REBAR	7.0 EACH
NOTE: QUANTITIES MAY VARY DUE TO INLET SIZE	

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72		MACON	135	116

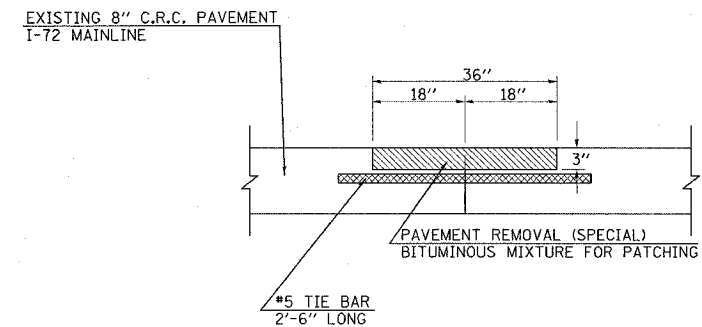
• (58-62,58-62-1,58-63)RS
CONTRACT NO. 90879

I-72 FLOWLINE DETAIL UNDER STRUCTURES

STATION	TO	STATION
EB 631+23		EB 631+89
EB 706+10.5		EB 706+65.5
EB 894+68		EB 895+00
WB 2835+78		WB 2836+10
WB 707+62.5		WB 708+17.5
IL 121 909+63		911+57

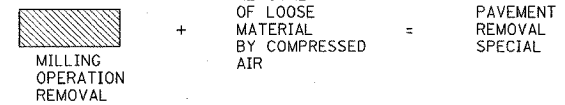


PAVEMENT PATCHING (PARTIAL DEPTH)

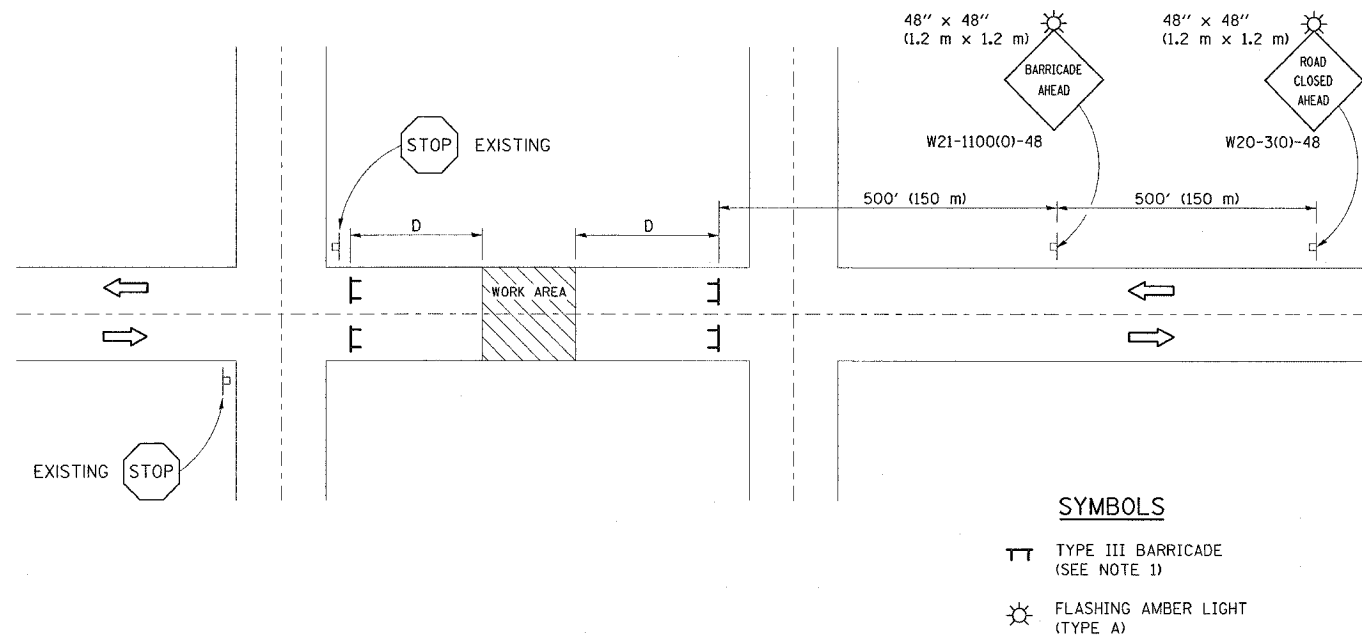


GENERAL NOTE

THE WORK REQUIRED TO CONSTRUCT THE PARTIAL DEPTH PATCH SHALL BE IN ACCORDANCE WITH AND PAID FOR AS SPECIFIED IN THE SPECIAL PROVISIONS ENTITLED "PAVEMENT PATCHING (PARTIAL DEPTH)"



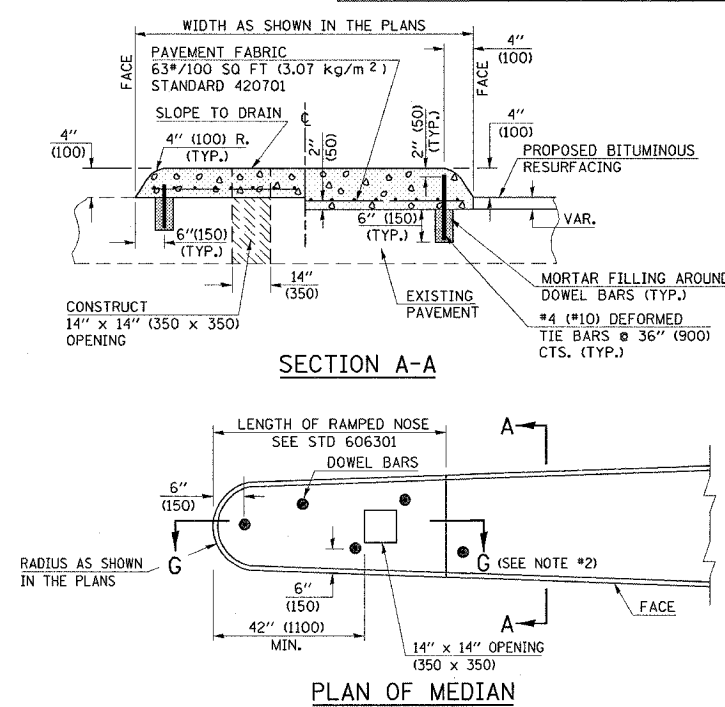
TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR ROAD CLOSURE



GENERAL NOTES

- TYPE III BARRICADES SHALL BE AS SHOWN ON STANDARD 702001 "TYPICAL APPLICATIONS OF TYPE III BARRICADES CLOSING A ROAD". EACH TYPE III BARRICADE SHALL HAVE TWO FLASHING AMBER LIGHTS MOUNTED ABOVE IT.
- IF THE ROAD IS OPEN TO LOCAL TRAFFIC OR "D" EXCEEDS 1000' (300 m), ANOTHER SET OF TYPE III BARRICADES, EQUIPPED AS IN NOTE 1 ABOVE, SHALL BE PLACED AT EACH END OF THE WORK AREA.
- WHEN A STOP CONDITION EXISTS, AS SHOWN ABOVE, NO SIGNS ARE REQUIRED IN ADVANCE OF THE "STOP" SIGN WHEN THE ROAD IS CLOSED WITHIN 100' (30 m) OF THE INTERSECTION.
- STANDARD 702001 SHALL APPLY FOR THE PLACEMENT & DESIGN OF TYPE III BARRICADES.
- ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
- A MINIMUM OF TWO FLASHING LIGHTS SHALL BE USED AT NIGHT ON EACH APPROACH IN ADVANCE OF THE WORK AREA. FLASHING LIGHTS SHALL BE INSTALLED ABOVE THE FIRST TWO SIGNS IN THE SERIES.
- LONGITUDINAL DIMENSIONS MAY BE ADJUSTED SLIGHTLY TO FIT FIELD CONDITIONS.
- FORMS BT. 725 AND BT. 726 ARE REQUIRED.
- WHEN A SIDEROAD INTERSECTS THE HIGHWAY ON WHICH WORK IS BEING PERFORMED, ADDITIONAL TRAFFIC DEVICES SHALL BE ERECTED AND PROVIDED AS DIRECTED BY THE ENGINEER.

DETAIL OF CONCRETE MEDIAN, TYPE SM (SPECIAL)



	NAME	DATE	REVISIONS	
			NAME	DATE
DESIGNED	J.M.H.	1-89		
CHECKED	F.M.S.	1-89	J.Y.B.	06/02
CADD NO.	A-5.08		K.A.G.	06/03

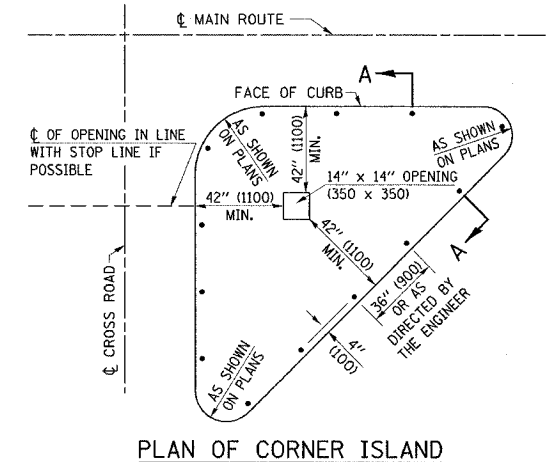
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72		MACON	135	117

• (58-62,58-62-1,58-63)RS
CONTRACT NO. 90879

GENERAL NOTES

- THE GENERAL NOTES FOR STANDARD 606301 SHALL APPLY.
- SECTION G-G SHALL BE THE SAME AS SHOWN ON STANDARD 606301.
- THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE FOOT (m²) FOR CONCRETE MEDIAN, TYPE SM (SPECIAL), INCLUDING THE COST OF FURNISHING AND INSTALLING THE DOWEL BARS, MORTAR FILLING, PAVEMENT FABRIC AND THE REMOVAL AND DISPOSAL OF THE EXISTING PAVEMENT FOR THE 14" x 14" (350 x 350) OPENING, IF REQUIRED, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- OPENINGS FOR SIGNS IN MEDIANS AND ISLANDS SHALL BE AS SHOWN OR AS DIRECTED BY THE ENGINEER.



	NAME	DATE	REVISIONS	
			NAME	DATE
DESIGNED	J.H.M.	8-11-87		
CHECKED	P.E.K.	8-25-87	R.M.H.	12/97
CADD NO.	F-5.03		K.A.G.	08/03

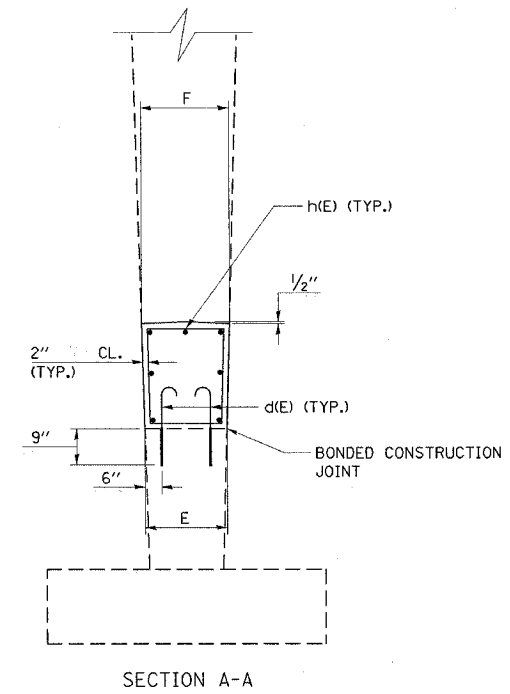
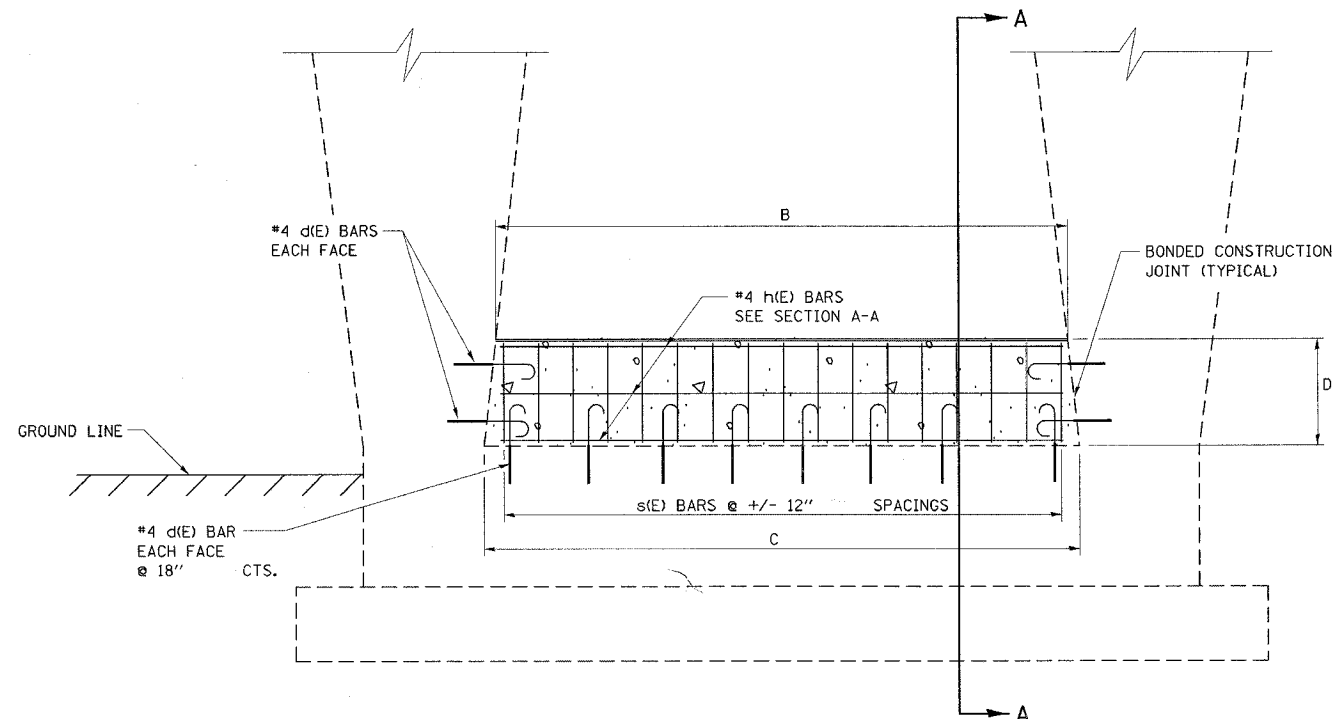
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

DETAIL OF CRASHWALL EXTENSION

058-0076

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72		MACON	135	118

• 158-62,58-62-1,58-63IRS
CONTRACT NO. 90879



STRUCTURE DIMENSION TABLE

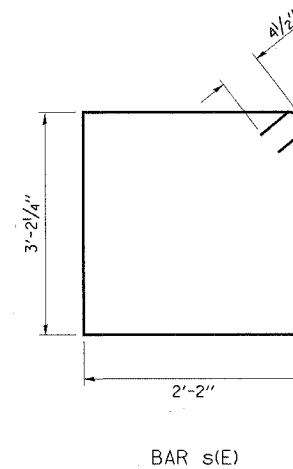
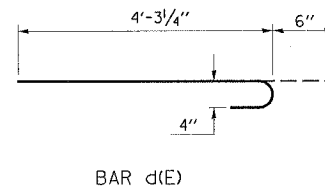
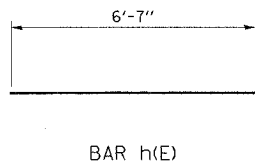
STATION	B	C	D	E	F
058-0076	6'-11"	6'-11"	3'-6 1/4"	2'-6"	2'-6"

BAR TABLE

Bar	No.	Size	Shape
d(E)	18	#4	
s(E)	7	#4	
h(E)	7	#4	

BILL OF MATERIALS

ITEM	UNIT	QUANTITY
CLASS SI CONCRETE	CU. YD.	2.3
REINFORCEMENT BARS, EPOXY COATED	LB.	140



GENERAL NOTES

CLASS SI CONCRETE SHALL BE USED THROUGHOUT.

EPOXY GROUTING SHALL BE DONE IN ACCORDANCE WITH ARTICLE 584 OF THE STANDARD SPECIFICATIONS. THE DRILLED HOLES FOR THE J-BARS SHALL BE 1/4" LARGER THAN THE DIAMETER OF THE BAR. THE COST OF THE EPOXY GROUTING AND DRILLING SHALL BE INCLUDED IN THE COST OF REINFORCEMENT BARS, EPOXY COATED.

REINFORCEMENT BARS SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M31 OR M322, GRADE 60.

PLAN DIMENSIONS AND DETAILS RELATIVE TO THE EXISTING STRUCTURE HAVE BEEN TAKEN FROM EXISTING PLANS AND ARE SUBJECT TO NOMINAL CONSTRUCTION VARIATIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY SUCH DIMENSIONS AND DETAILS IN THE FIELD AND MAKE NECESSARY APPROVED ADJUSTMENTS PRIOR TO CONSTRUCTION OR ORDERING OF MATERIALS. SUCH VARIATIONS SHALL NOT BE CAUSE FOR ADDITIONAL COMPENSATION FOR A CHANGE IN THE SCOPE OF THE WORK. HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED AT THE UNIT PRICE FOR THE WORK.

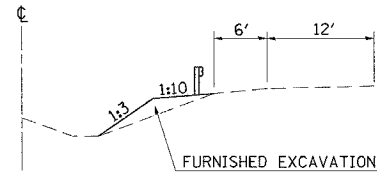
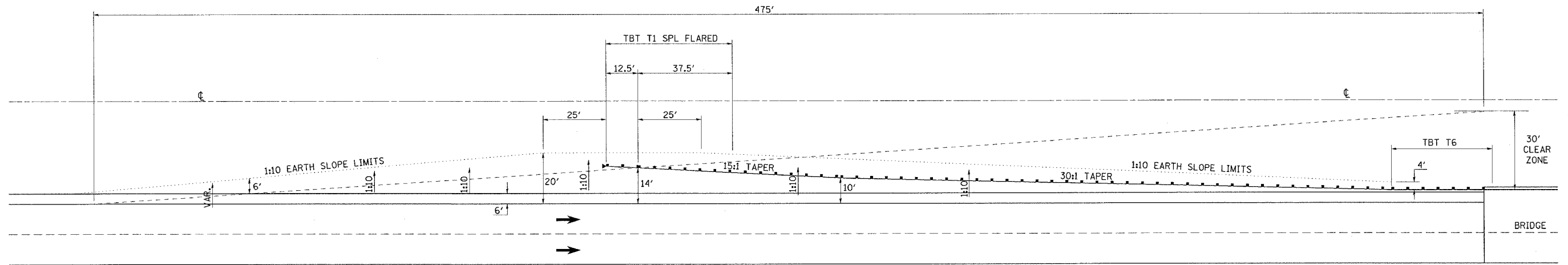
	NAME	DATE	REVISIONS	
DESIGNED	D.L.P.	3-95	NAME	DATE
CHECKED	G.A.M.	4-95	K.A.G.	04/03
CADD NO.	F-3.01A		K.A.G.	08/03

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72		MACON	135	119

DETAIL OF FLARED GUARDRAIL AT DUAL STRUCTURES

NOTE: NOT DRAWN TO SCALE

• 658-62,58-62-1,58-63)RS
CONTRACT NO. 90879



NOTE: SEE PLAN SHEET SCHEDULES FOR LOCATIONS AND STATIONING OF GUARDRAIL.

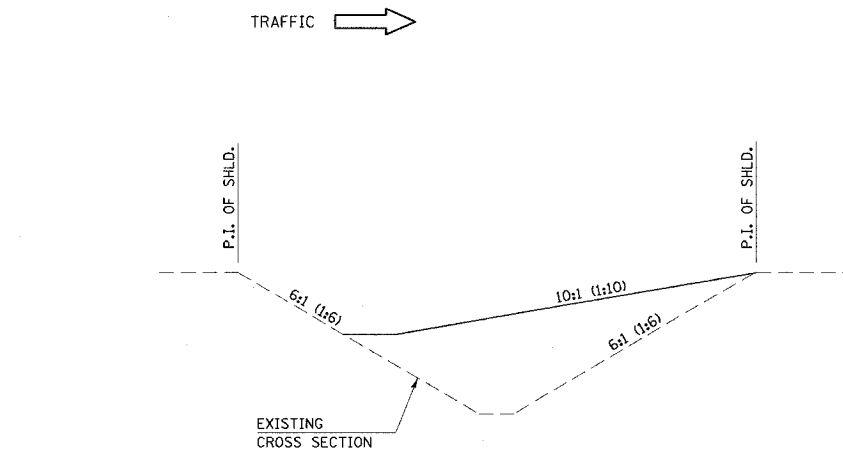
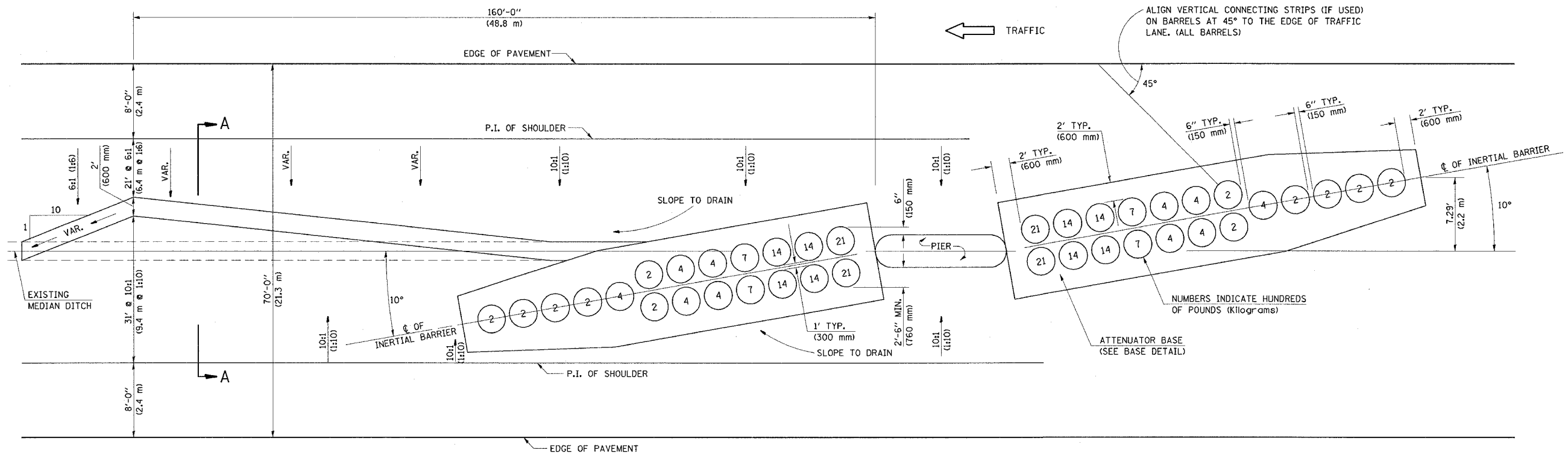
FOR CALCULATIONS, USED 10' SHY LINE OFFSET, WITH A 1:30 FLARE RATE INSIDE SHY LINE AND A 1:15 FLARE RATE BEYOND SHY LINE.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	*	MACON	135	120

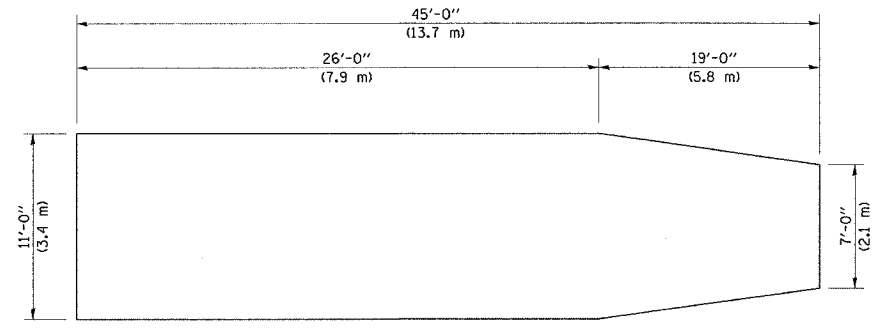
• 158-62,58-62-1,58-63JRS
CONTRACT NO. 90879

DETAIL OF IMPACT ATTENUATORS (NON-REDIRECTIVE) TEST LEVEL 3

70 MPH (110 km/h) DESIGN - 70' (21 m) MEDIAN



SECTION A-A
GRADING AND SHAPING DETAIL



BASE DETAIL

GENERAL NOTES

1. ALL 10:1 (1:10) SLOPES SHOWN ON THIS DETAIL SHALL BE CONSTRUCTED 10:1 (1:10) OR FLATTER.
2. THE SLOPES AS SHOWN ON THIS DETAIL SHALL APPLY TO BOTH ENDS OF THE BRIDGE PIERS.
3. THE LENGTH X WIDTH OF MODULE LAYOUT IS 41.0' X 7.0' : 19 MODULES - 14,400 LBS. (12.5 m x 2.1 m : 19 MODULES - 6532 kg).
4. IN AREAS OF 10:1 (1:10) SLOPES PRECEDING THE ATTENUATOR IN THE MEDIAN INSTALLATION, FOUR OR MORE WOOD POSTS SHALL BE PLACED AT 5' (1.5 m) INTERVALS IN THE MEDIAN ϕ . SEE SPECIAL PROVISIONS AND SCHEDULES.

		NAME	DATE	REVISIONS	
DESIGNED	D.L.P.	3-91	NAME	DATE	
CHECKED	F.M.S.	3-91	K.A.G.	04/03	
CADD NO.	F-1.52A		K.A.G.	04/04	

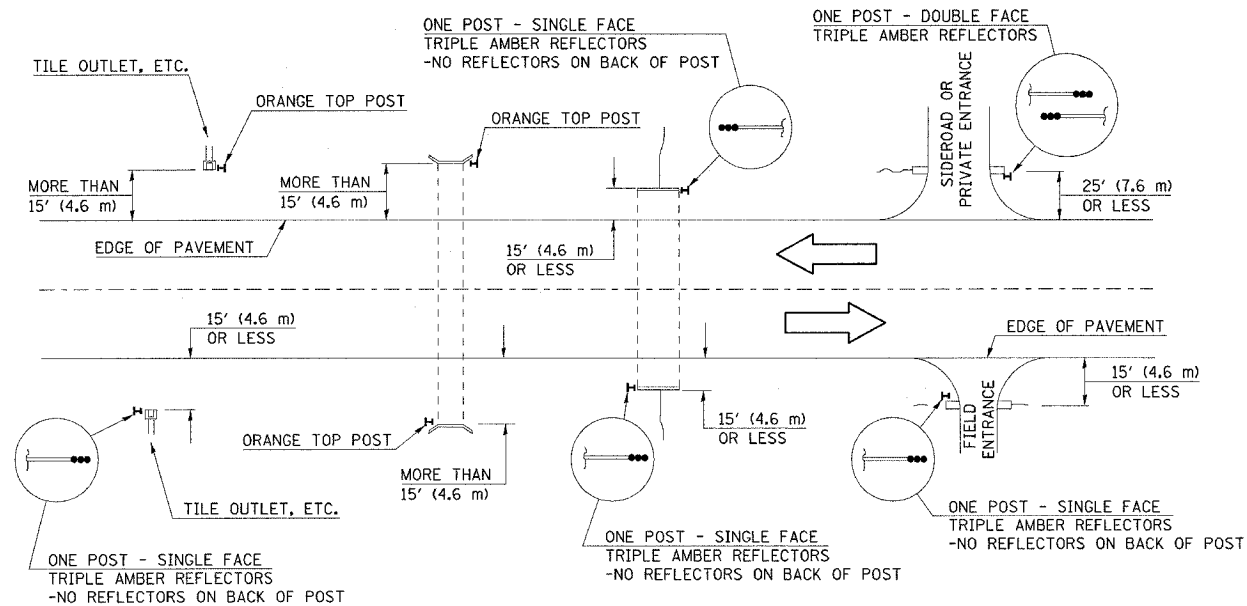
ALL DIMENSIONS ARE IN FEET (METERS)
UNLESS OTHERWISE SHOWN.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72		MACON	135	121

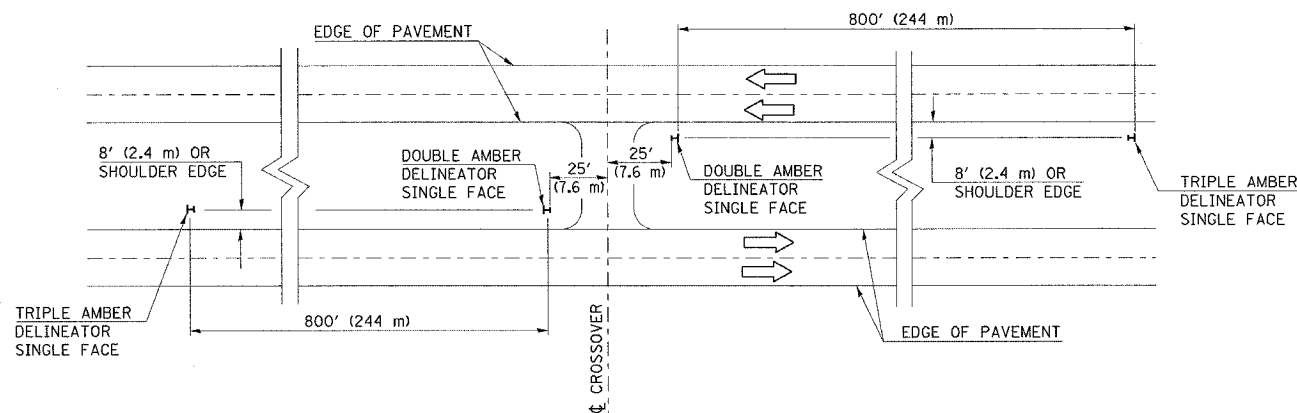
(58-62,58-62-1,58-63)RS
CONTRACT NO. 90879

DELINEATORS APPLICATIONS

IDENTIFICATION OF ROADSIDE HAZARDS FOR TWO-LANE ROADWAYS



MEDIAN DELINEATORS AT CROSSOVER (FOR INTERSTATES, EXPRESSWAYS, DUAL HIGHWAYS)



NOTES

DELINEATORS FOR ROADSIDE HAZARDS SHALL ONLY BE PLACED AT LOCATIONS WHERE THERE IS NO GUARDRAIL, OR OTHER PERMANENT BARRIER, ON THE SAME SIDE OF ROAD AS THE HAZARD.

DELINEATORS FOR ROADSIDE HAZARDS SHALL ONLY BE PLACED AT LOCATIONS WHERE DELINEATORS ARE NOT IN PLACE ALONG THE EDGE OF SHOULDER.

EACH POST SHALL BE CONSIDERED AS ONE DELINEATOR FOR PAYMENT, REGARDLESS OF THE NUMBER OF DELINEATORS ATTACHED TO IT.

POSTS INDICATED AS "ORANGE TOP" SHALL HAVE NO REFLECTORS. THEY SHALL HAVE THE TOP 12" (300 mm) (MINIMUM) OF THE POST PAINTED A BRIGHT ORANGE COLOR SIMILAR TO CONSTRUCTION SIGNS, AND SHALL MEET THE APPROVAL OF THE ENGINEER. FLUORESCENT PAINT OR OTHER SPECIAL RETROREFLECTIVE COATINGS WILL NOT BE REQUIRED.

FOR ONE-WAY ROADWAYS THE APPLICATION SHALL BE SIMILAR WITH DELINEATORS PLACED ON THE TRAFFIC APPROACH SIDE OF HAZARDS AND OBJECTS. ONLY SINGLE FACE DELINEATORS WILL BE REQUIRED ON ONE-WAY ROADWAYS.

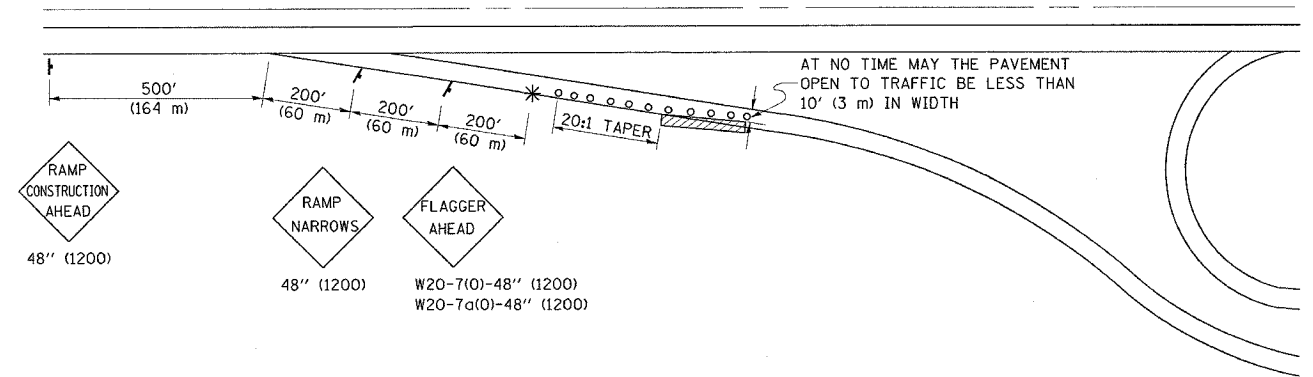
FOR OTHER DELINEATOR APPLICATIONS, REFER TO STANDARD 635001.

BILL OF MATERIALS

DELINEATOR TYPE	SINGLE FACE	DOUBLE FACE	NO REFLECTOR	TOTAL DELINEATORS
SINGLE CRYSTAL		N/A	N/A	
DOUBLE CRYSTAL			N/A	
SINGLE AMBER			N/A	
DOUBLE AMBER		N/A	N/A	
TRIPLE AMBER			N/A	
ORANGE TOP	N/A	N/A		
			TOTAL	

SPECIAL DETAIL FOR RAMP WORK AREAS

TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES



SYMBOLS

- TYPE I OR II BARRICADES OR DRUMS @ 50' (15 m) CTS.
- * FLAGGER PLACED AS DIRECTED BY THE ENGINEER
- † SIGN ON PORTABLE OR PERMANENT SUPPORT
- ▨ WORK AREA

GENERAL NOTES

1. CONSTRUCTION OPERATIONS SHALL BE CONFINED TO AN AREA NARROW ENOUGH THAT A MINIMUM OF 10' (3 m) OF PAVEMENT SHALL BE OPEN TO TRAFFIC AT ALL TIMES.
2. CONES MAY BE SUBSTITUTED FOR BARRICADES DURING DAY OPERATIONS, AT 25' (7.5 m) SPACING.
3. FULL WIDTH PAVEMENT ON THE RAMPS SHALL BE OPEN TO TRAFFIC AT NIGHT.
4. WHEN NO WORK IS BEING PERFORMED, THE FLAGGER WILL NOT BE REQUIRED. IF THE FLAGGER IS NOT PRESENT, THE FLAGGER SIGNS SHALL BE REMOVED OR COVERED.
5. ALL SIGNS SHALL BE POST MOUNTED IF WORK IN THE AREA EXCEEDS FOUR DAYS OF DAYTIME OPERATIONS.
6. LONGITUDINAL DIMENSIONS MAY BE ADJUSTED SLIGHTLY TO FIT FIELD CONDITIONS.
7. ALL VEHICLES, EQUIPMENT, WORKERS (EXCEPT FLAGGER) AND THEIR ACTIVITIES ARE RESTRICTED AT ALL TIMES TO ONE SIDE OF THE PAVEMENT UNLESS OTHERWISE AUTHORIZED BY THE DISTRICT ENGINEER.

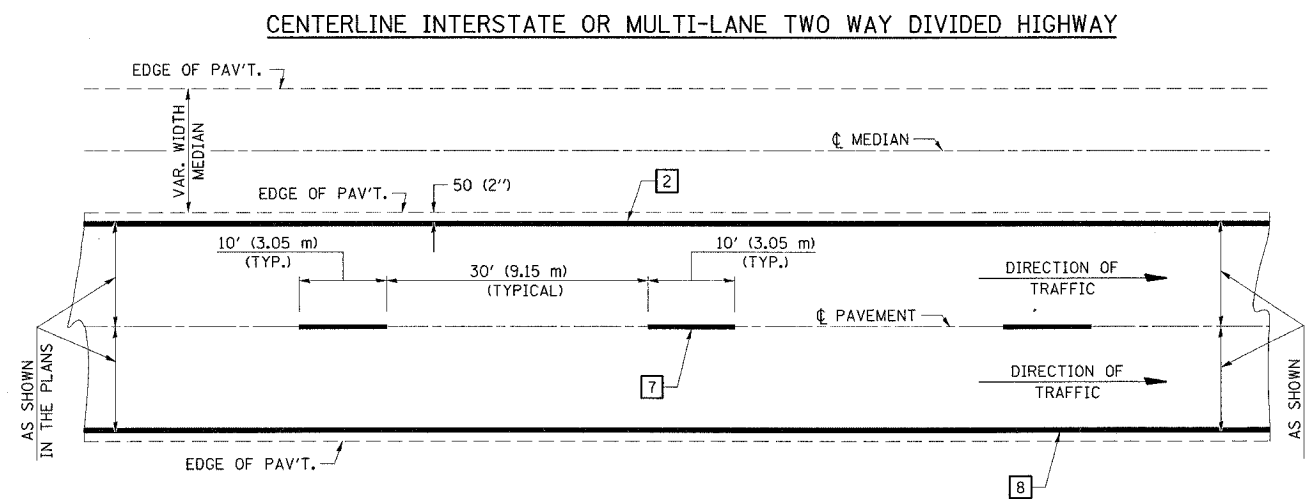
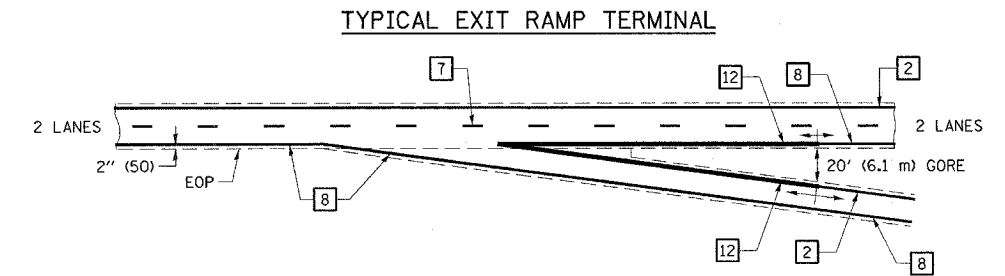
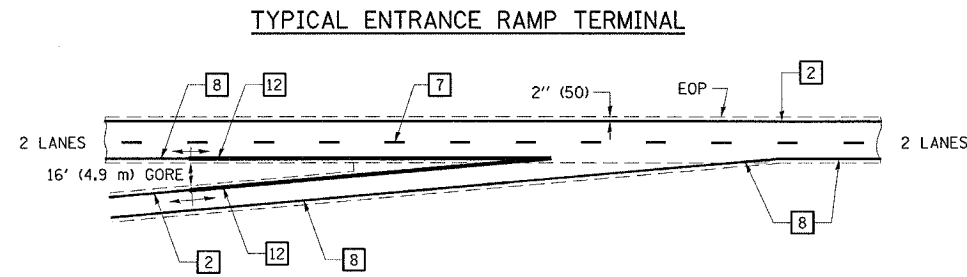
DESIGNED	NAME	DATE	REVISIONS
DESIGNED	D.L.P.	12/99	NAME DATE
CHECKED			K.A.G. 08/03
CADD NO.	F-5.13		

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

DESIGNED	NAME	DATE	REVISIONS
DESIGNED	D.L.P.	3-95	NAME DATE
CHECKED			D.L.P. 08/00
CADD NO.	F-5.01		K.A.G. 08/03

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

TYPICAL APPLICATION OF PAVEMENT MARKINGS FOR INTERSTATE AND MULTI-LANE DIVIDED HIGHWAYS



NOTE: PAVEMENT MARKINGS ARE TO BE EXTENDED THROUGH OMISSIONS WHEN APPLICABLE.

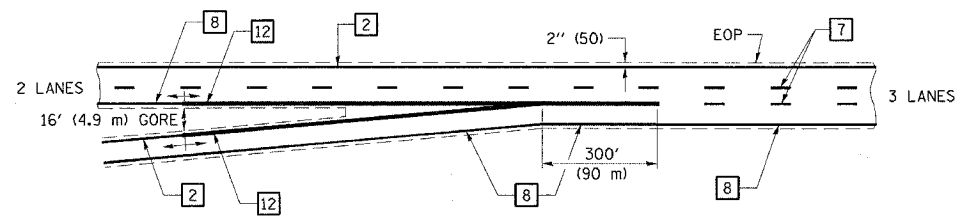
NOTE: SEE ARTICLES 780.04 & 781.03 FOR LOCATION OF STRIPES AND MARKERS RELATIVE TO EDGES OR JOINTS.

FOR RAISED REFLECTIVE PAVEMENT MARKERS, REFER TO STANDARD 781001.

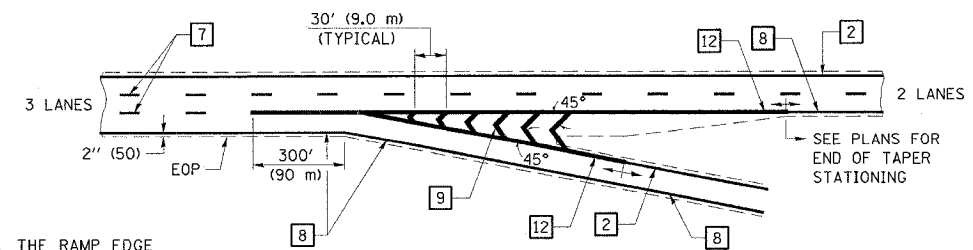
TYPICAL PAVEMENT MARKING LEGEND

- | | |
|--|--|
| <ul style="list-style-type: none"> 1 4" (100) SKIP-DASH (YELLOW) 2 4" (100) SOLID (YELLOW) 3 12" (300) DIAGONAL (YELLOW) 4 4" (100) DOUBLE YELLOW (NARROW) 5 4" (100) DOUBLE YELLOW (WIDE) 6 RESERVED 7 4" (100) SKIP-DASH (WHITE) 8 4" (100) SOLID (WHITE) 9 12" (300) DIAGONAL (WHITE) 10 6" (150) CROSS WALK (WHITE) 11 24" (600) STOP BAR (WHITE) 12 8" (200) SOLID (WHITE) 13 4" (100) LANE LINE EXTENSIONS (WHITE) 14 RESERVED | |
|--|--|

ENTRANCE RAMP TERMINAL with EXCLUSIVE LANE



EXIT RAMP TERMINAL with EXCLUSIVE (auxiliary) LANE



WHEN RAMPS ARE SURFACED, THE RAMP EDGE LINES SHALL BE AS SHOWN IN THE PLANS.

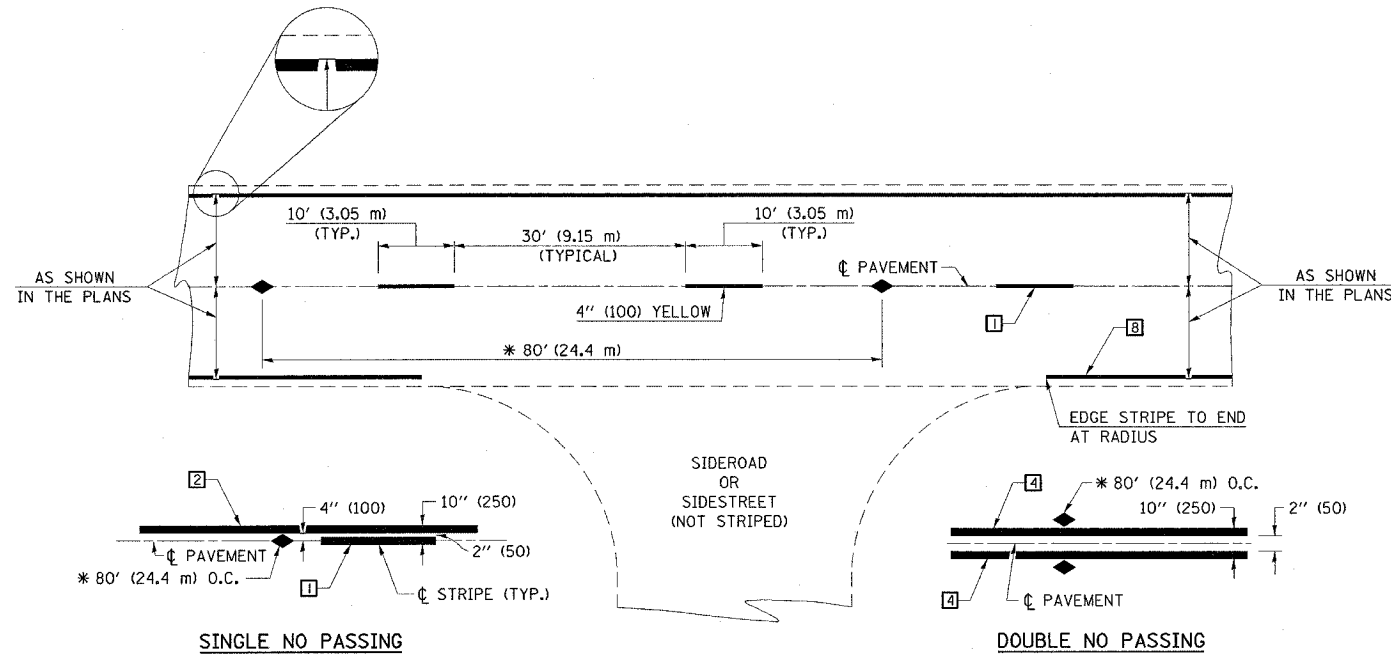
	NAME	DATE	REVISIONS	
DESIGNED	P.E.E.	03/89	NAME	DATE
CHECKED	C.T.D.	04/89	D.L.P.	08/97
CADD NO.	F-5.22		K.A.G.	08/04

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	*	MACON	135	123

• (58-62,58-62-1,58-63)RS
CONTRACT NO. 90879

TYPICAL APPLICATIONS OF PAVEMENT MARKINGS AND MARKERS



* REDUCE TO 40' (12.2 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEEDS OF 45 mph (70 km/h) OR LESS.

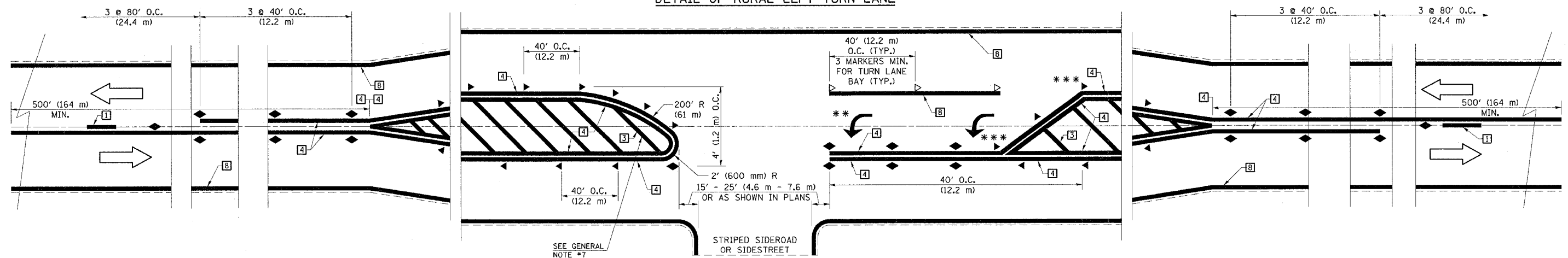
TYPICAL PAVEMENT MARKING LEGEND

- 1 4" (100) SKIP-DASH (YELLOW)
- 2 4" (100) SOLID (YELLOW)
- 3 12" (300) DIAGONAL (YELLOW)
- 4 4" (100) DOUBLE YELLOW (NARROW)
- 5 RESERVED
- 6 RESERVED
- 7 4" (100) SKIP-DASH (WHITE)
- 8 4" (100) SOLID (WHITE)
- 9 12" (300) DIAGONAL (WHITE)
- 10 6" (150) CROSS WALK (WHITE)
- 11 24" (600) STOP BAR (WHITE)
- 12 8" (200) SOLID (WHITE)
- 13 4" (100) LANE LINE EXTENSIONS (WHITE)
- 14 4" (100) PARKING WHITE

TYPICAL PAVEMENT MARKERS LEGEND

- ◆ TWO-WAY AMBER MARKER
- ▶ ONE-WAY AMBER MARKER
- ▷ ONE-WAY CRYSTAL MARKER

DETAIL OF RURAL LEFT TURN LANE



*** REDUCE SPACING IF NECESSARY TO ASSURE MARKERS AT CORNER POINTS.

** TURN ARROWS SHALL BE PLACED AS SHOWN ON SHEET #2.

SHEET 1 OF 3

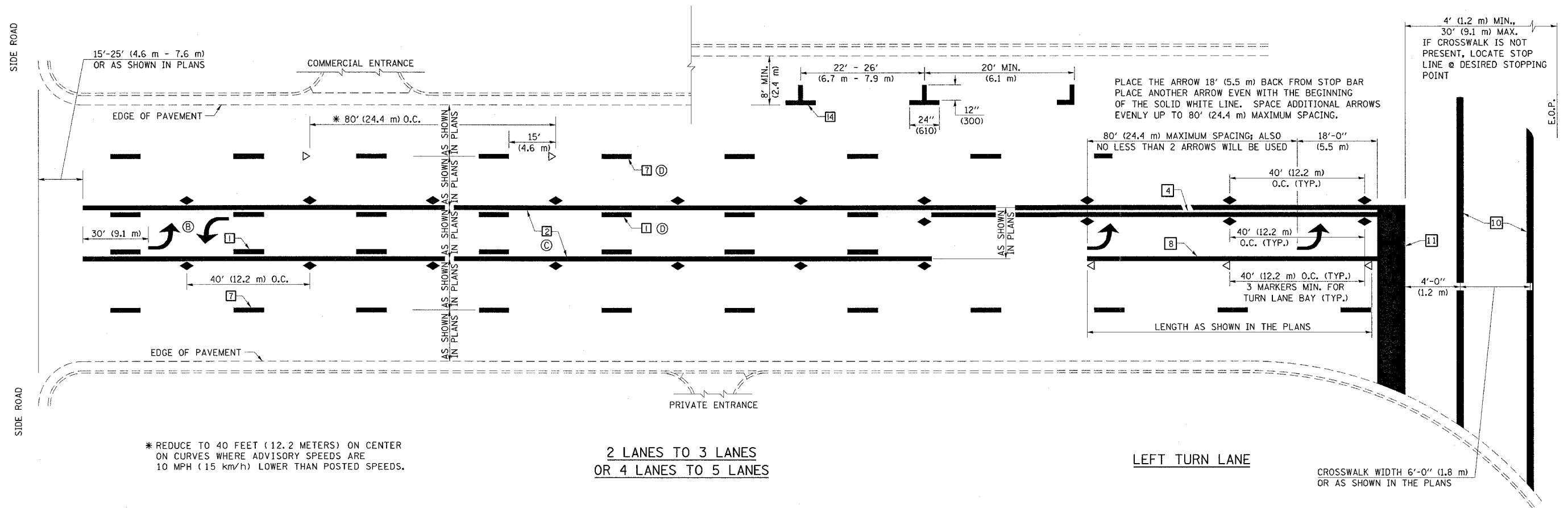
NAME	DATE	REVISIONS
DESIGNED	J.M.H. 5/85	NAME
CHECKED	FMS 6/88	DATE
CADD NO.	F-5.25	GEOMETRICS/K.A.G. 07/02
		K.A.G. 08/04

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72		MACON	135	124

• (58-62,58-62-1,58-63)RS
CONTRACT NO. 90879

TYPICAL APPLICATIONS OF PAVEMENT MARKINGS AND MARKERS

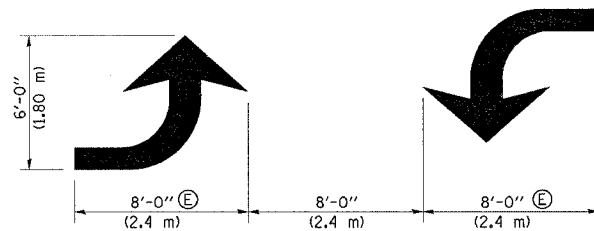


SHEET 2 OF 3

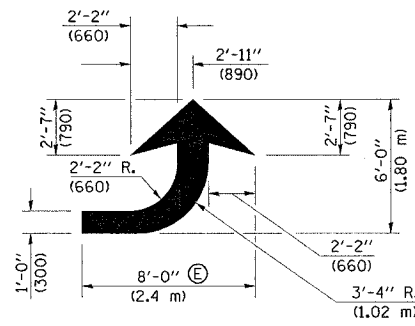
DESIGNED	NAME	DATE	REVISIONS
J.M.H.	J.M.H.	5/85	NAME
FMS	FMS	6/88	DATE
C.T.D.	C.T.D.	6/85	GEOMETRICS/K.A.G.
F-5.25	F-5.25	6/88	07/02
			K.A.G.
			08/04

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

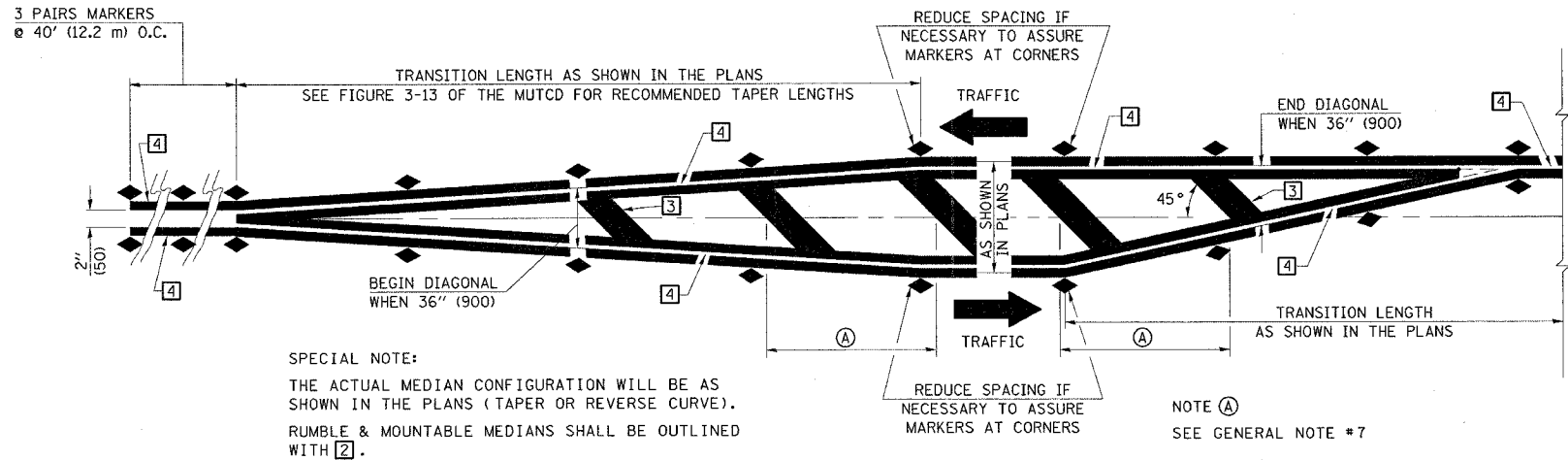
TYPICAL APPLICATIONS OF PAVEMENT MARKINGS AND MARKERS



TYPICAL DOUBLE TURN ARROWS (WHITE)



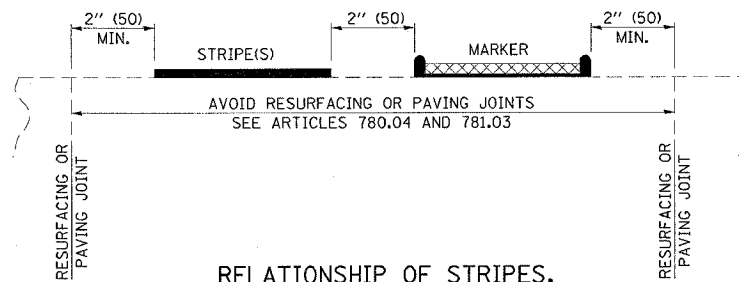
LEFT ARROW
REVERSE FOR RIGHT ARROW
AREA = 15.6 SQ. FT. (1.47 m²)
(WHITE)



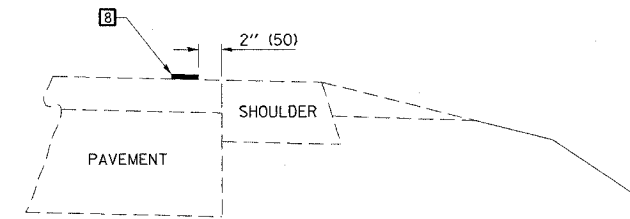
SPECIAL NOTE:
THE ACTUAL MEDIAN CONFIGURATION WILL BE AS SHOWN IN THE PLANS (TAPER OR REVERSE CURVE).
RUMBLE & MOUNTABLE MEDIANS SHALL BE OUTLINED WITH [2].

NOTE (A)
SEE GENERAL NOTE # 7

TYPICAL MEDIAN TRANSITIONS



RELATIONSHIP OF STRIPES, MARKERS AND JOINTS



RELATIONSHIP OF EDGE STRIPE TO SAFETY SHOULDER OR PAVED SURFACE

SPECIAL NOTES:

- (B) TURN ARROW PAIRS SHALL BE PLACED AT 250' (75 m) INTERVALS AND SHALL BE EVENLY SPACED BETWEEN BOTH ENDS OF THE BIDIRECTIONAL LEFT TURN LANE.
- (C) THE SOLID YELLOW PAVEMENT MARKINGS [2] SHOULD GENERALLY START OR END NEAR THE RADIUS POINT OF EACH STREET RETURN EXCEPT WHERE ONE OR BOTH ENDS WOULD INCLUDE STOP BARS.
- (D) THE SKIP-DASH PAVEMENT MARKINGS [1] OR [7] SHOULD BE CENTERED BETWEEN BOTH ENDS OF EACH CITY BLOCK AND SHALL BE PLACED SO THEY LINE UP ACROSS FROM EACH OTHER. SEE EXAMPLE ON SHEET 2 OF 3.
- (E) TURN ARROW SIZE DEPENDS ON THE LOCATION.
RURAL LOCATION - LARGE ARROW SIZE
URBAN LOCATION - SMALL ARROW SIZE

GENERAL NOTES

1. WHEN MEDIANS ARE PRESENT, PAVEMENT MARKINGS ARE TO BE PLACED ADJACENT TO MEDIANS.
2. SCALE: NONE
3. SOME OF THE INFORMATION INCLUDED WITH THIS DETAIL MAY NOT BE APPLICABLE TO THIS IMPROVEMENT.
4. PAVEMENT MARKINGS ARE TO BE EXTENDED THROUGH OMISSIONS WHEN APPLICABLE.
5. A STRIPING KEY IS AVAILABLE ELSEWHERE AND SHALL BE SHOWN WHERE THE QUANTITIES ARE LISTED.
6. FINAL PAVEMENT MARKINGS SHALL BE IN PLACE PRIOR TO PLACING ANY RAISED REFLECTIVE PAVEMENT MARKERS.
7. THE FOLLOWING CRITERIA SHALL BE USED FOR SELECTING THE DIAGONAL PAVEMENT MARKING SPACING,
< 30 MPH USE 15' (< 50 km/h USE 4.5 m)
30-45 MPH USE 20' (50-75 km/h USE 6.0 m)
> 45 MPH USE 30' (> 75 km/h USE 9.0 m)

SHEET 3 OF 3

NAME	DATE	REVISIONS
DESIGNED J.M.H.	5/85	NAME DATE
CHECKED FMS	6/85	GEOMETRICS/K.A.G. 07/02
CADD NO. F-5,25	6/88	K.A.G. 08/04

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75

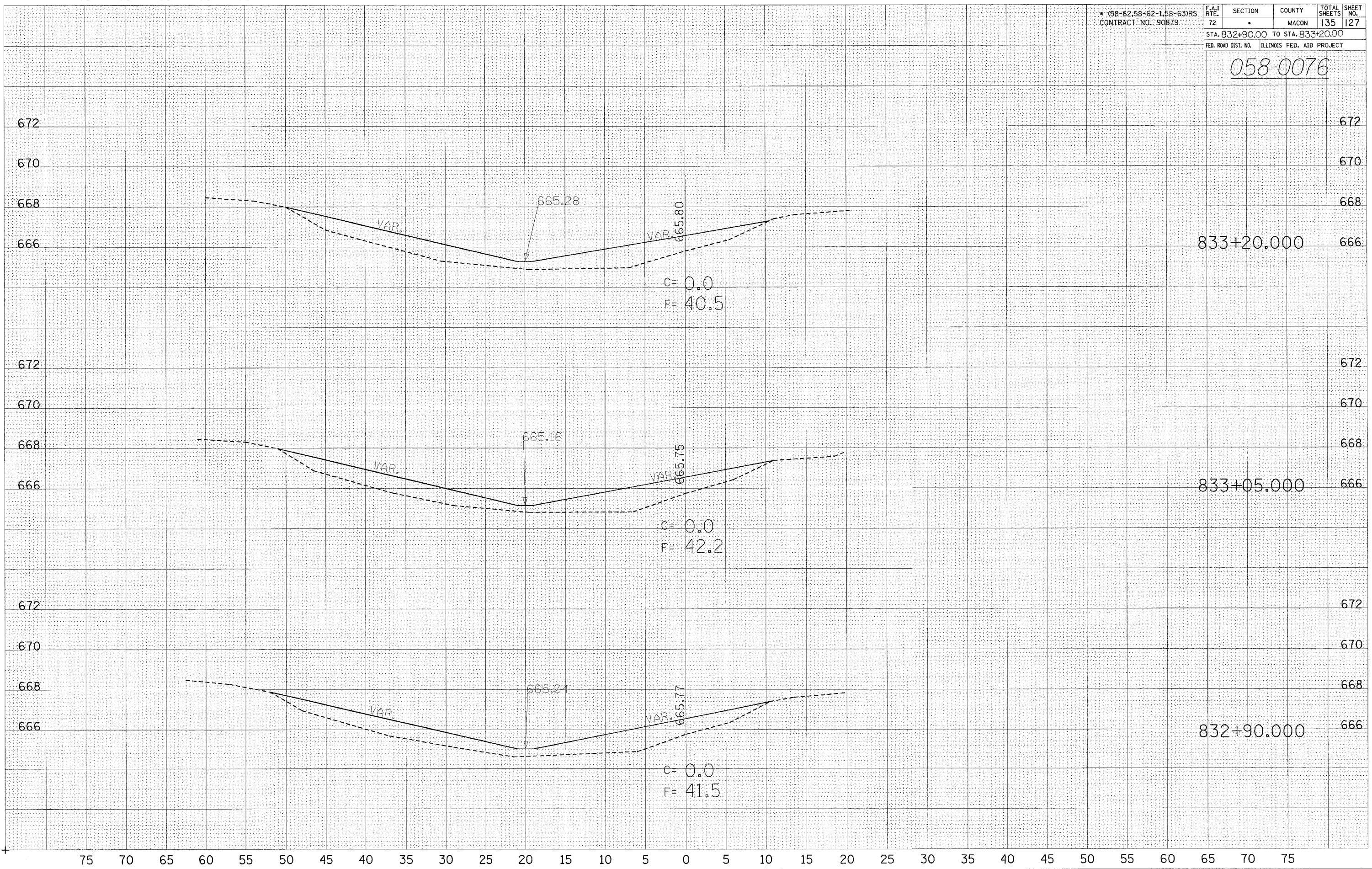
• (58-62.58-62-1.58-63)RS
CONTRACT NO. 90879

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	•	MACON	135	127
STA. 832+90.00 TO STA. 833+20.00				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

058-0076

DATE	
BY	
FINAL SURVEY	
NOTED	
NO. _____	

DATE	
BY	
ORIGINAL SURVEY	
NOTED	
NO. _____	



* (58-62.58-62-1,58-63)RS
CONTRACT NO. 90879

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72		MACON	135	130
STA. 834+25.00 TO STA. 834+55.00				
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

058-0076

674 674

672 672

670 670

668 668

666 666

834+55.000

666.37

c = 0.0
F = 46.6

674 674

672 672

670 670

668 668

666 666

834+40.000

666.25

c = 0.0
F = 46.3

672 672

670 670

668 668

666 666

834+25.000

666.13

c = 0.0
F = 46.0

DATE	
BY	
ORIGINAL SURVEY	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	

DATE	
BY	
ORIGINAL SURVEY	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	

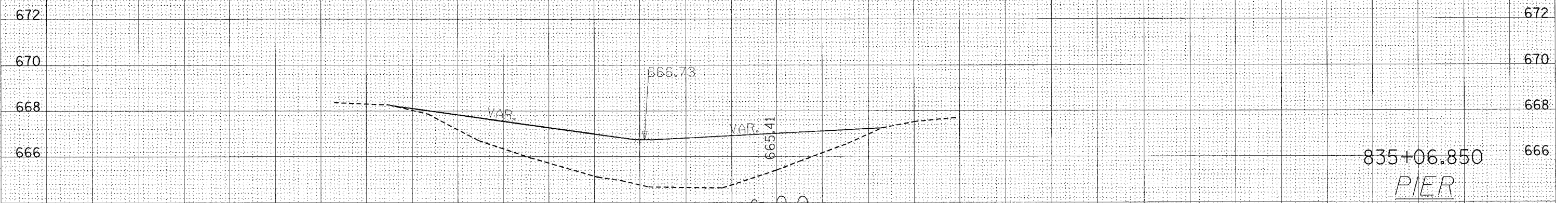
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* 158-62.58-62-1.58-631RS
CONTRACT NO: 90879

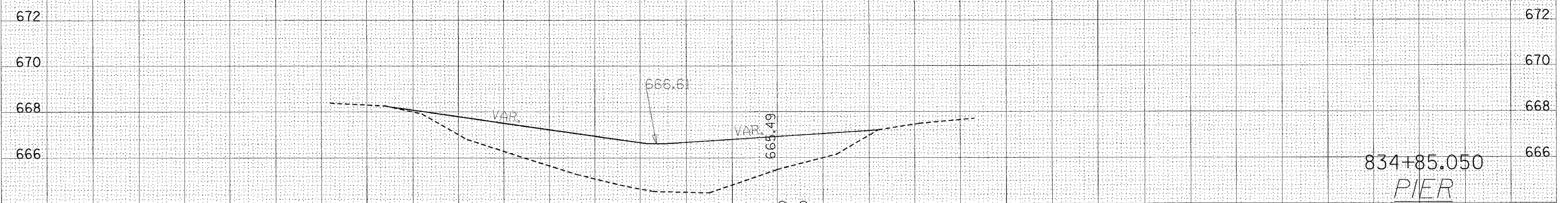
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72		MACON	135	131
STA. 834+70.00		TO STA. 835+06.850		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

058-0076

DATE	
BY	
INITIAL SURVEY	
NOTE BOOK	
AREAS CHECKED	
NO.	



DATE	
BY	
INITIAL SURVEY	
NOTE BOOK	
AREAS CHECKED	
NO.	



75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75

• (58-62,58-62-1,58-63)RS
CONTRACT NO. 90879

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	•	MACON	135	132
STA. 835+20.00		TO STA. 835+50.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

058-0076

674 674

672 672

670 670

668 668

666 666

835+50.000

C = 0.0
F = 56.1

674 674

672 672

670 670

668 668

666 666

835+35.000

C = 0.0
F = 59.1

674 674

672 672

670 670

668 668

666 666

835+20.000

C = 0.0
F = 59.7

75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75

DATE	
BY	
FINISH SURVEY	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	

DATE	
BY	
FINISH SURVEY	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	

* 158-62,58-62-1,58-63)RS		F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CONTRACT NO. 90879		72	•	MACON	135	135
		STA. 836+55.00 TO STA. 837+00.00				
		FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJEC	672	

058-0076

837+00.00

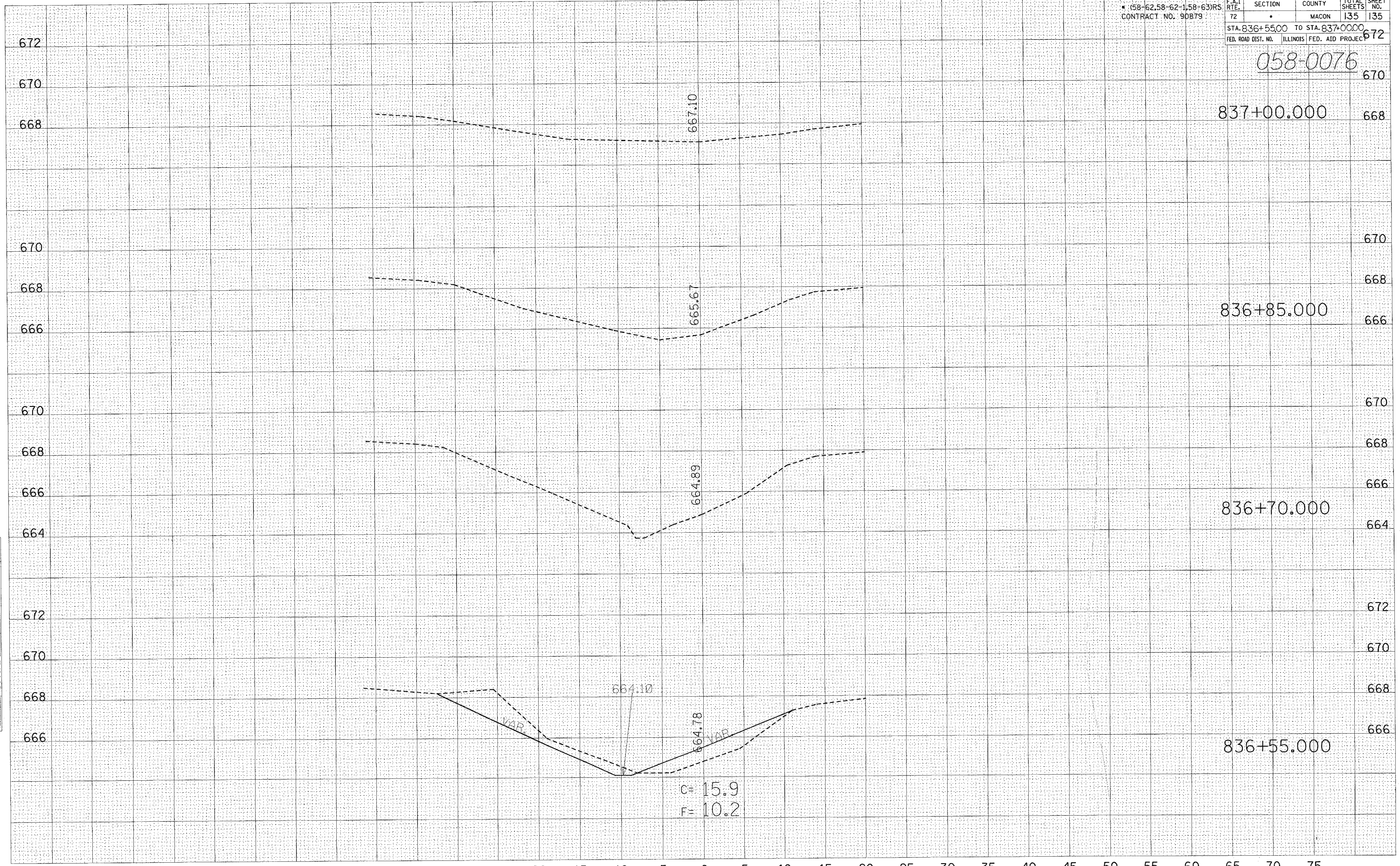
836+85.00

836+70.00

836+55.00

DATE	
BY	
REVIEWED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	

DATE	
BY	
REVIEWED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	



C= 15.9
F= 10.2