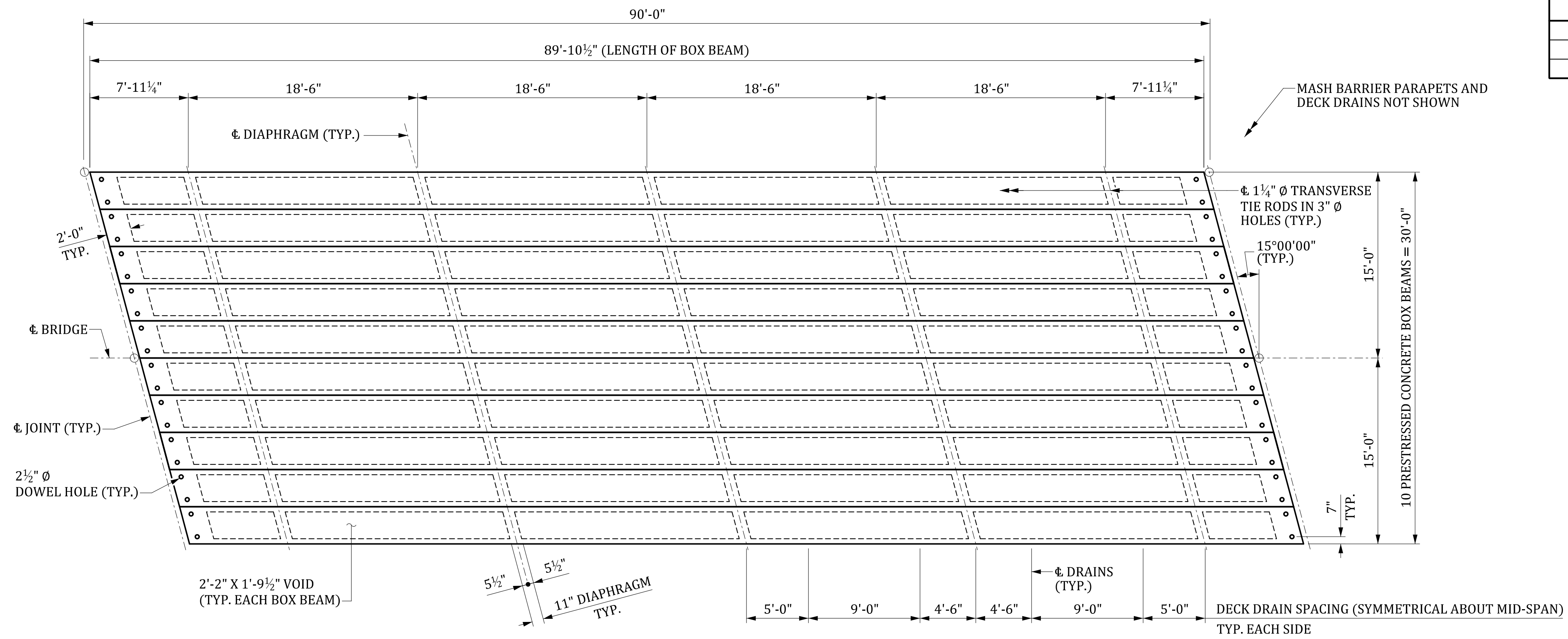
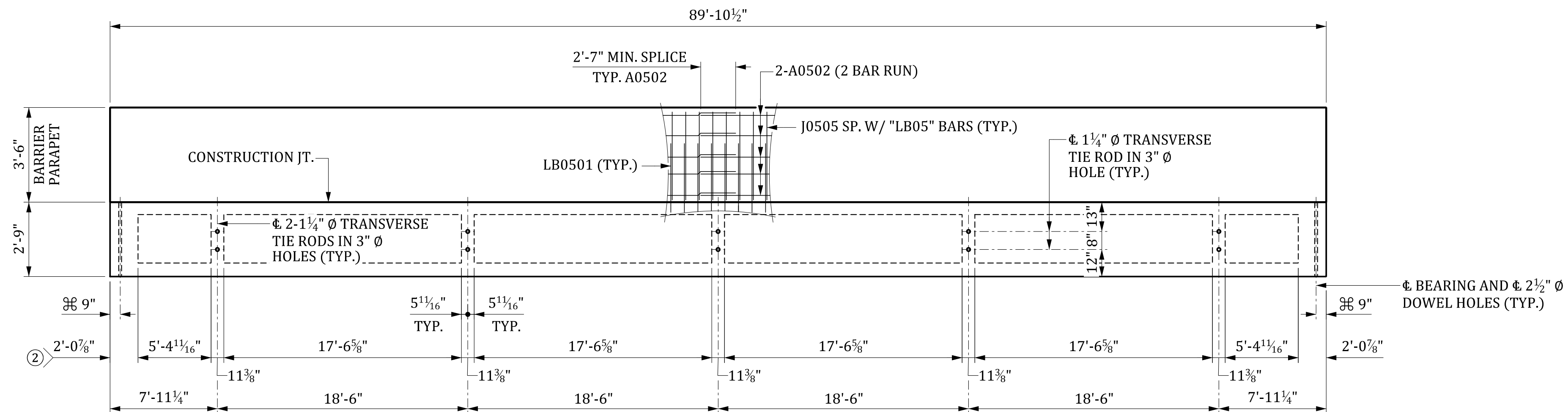


DEAD LOAD DEFLECTION & CAMBER	
CAMBER AT ERECTION (BEAM ALONE IN PLACE)	↑ 3 ¹¹ / ₁₆ "
DEFLECTION DUE TO BARRIER PARAPETS AND ASPHALT WEARING SURFACE	↓ X"
FINAL CAMBER	↑ X"



PLAN



⊘ NORMAL TO END OF BEAM.
 ② ALONG ⌀ BEAM.

ELEVATION

DECK DRAINS AND TIE ROD POCKETS NOT SHOWN.
 FOR BOX BEAM REINFORCING STEEL LAYOUT, SEE PRESTRESSED CONCRETE BOX BEAM 80' SPAN - DETAILS SHEETS.

BILL OF MATERIAL ONE 90' BOX BEAM							
MARK	NO. REQ'D	DIMENSION					LENGTH
		"a"	"b"	"c"	"d"	"e"	
A0401	10	2'-8"					2'-8"
A0501	12	45'-10"					45'-10"
J0401	61	2'-8"	2'-5"				7'-6"
J0402	61	2'-8"	1'-6"				5'-8"
J0403	111	2'-8"	1'-1"				4'-10"
J0404	8	2'-9 1/2"	1'-1"				5'-0"
J0405	6	2'-9"	1'-1"				4'-11"
J0501	28	2'-9 1/2"	2'-1"				7'-0"
J0502	12	1'-11"	2'-0"				5'-11"
J0503	12	2'-9"	2'-1"				6'-11"
J0504	4	2'-8 1/2"	2'-1"				6'-11"
JC0401	44	2'-8"	1'-6"	8 ⁵ / ₁₆ "			5'-8"
JD0401	55	1'-6"	6"	1'-2"	3"	4"	5'-10"
K0401	15	4 1/2"	2'-4"	9"			6'-2"
LB0501	① 100	5 1/2"					7'-4"
LB0502	① 6	5 3/4"					7'-5"
N0501	10	10"	2'-4"	3'-6"			6'-8"

QUANTITIES			
ITEM	UNIT	INTERIOR	EXTERIOR
REINFORCING STEEL	LB	2439	3250
CONCRETE, f'c 7,000	CY	15.8	15.9
0.6 ⌀ L.R. STRANDS	LF	2517	2517

① "LB05" BARS REQUIRED FOR EXTERIOR BEAMS ONLY.

BILL OF MATERIAL ONE 90' BARRIER PARAPET							
MARK	NO. REQ'D	DIMENSION					LENGTH
		"a"	"b"	"c"	"d"	"e"	
A0502	20	46'-1"					46'-1"
A0503	16	5'-0"					5'-0"
J0505	106	5 1/2"	3'-3"				7'-0"

QUANTITIES		
ITEM	UNIT	TOTAL
2.0" SCHEDULE 80 PVC CONDUIT	LF	180.0
REINFORCING STEEL	LB	1819
MASH CONCETE BARRIER PARAPET	LF	90.0

ESTIMATED QUANTITIES - ONE 90' SPAN		
ITEM	UNIT	TOTAL
2.0" SCHEDULE 80 PVC CONDUIT	LF	360.0
REINFORCING STEEL FOR STRUCTURES (BRIDGE)	LB	3638
3'-0" X 2'-9" BOX BEAMS	LF	898.8
MASH CONCRETE BARRIER PARAPET	LF	180.0
ELASTOMERIC BEARING	EA	20
BRIDGE DECK WATERPROOFING	SY	278.3

CONSULTANT NAME/LOGO

SOUTH CAROLINA
 DEPARTMENT OF TRANSPORTATION

PRESTRESSED CONCRETE BOX BEAM
90' SPAN
 27'-10" ROADWAY (-15° SKEW)

COUNTY: ##### ROUTE: #####

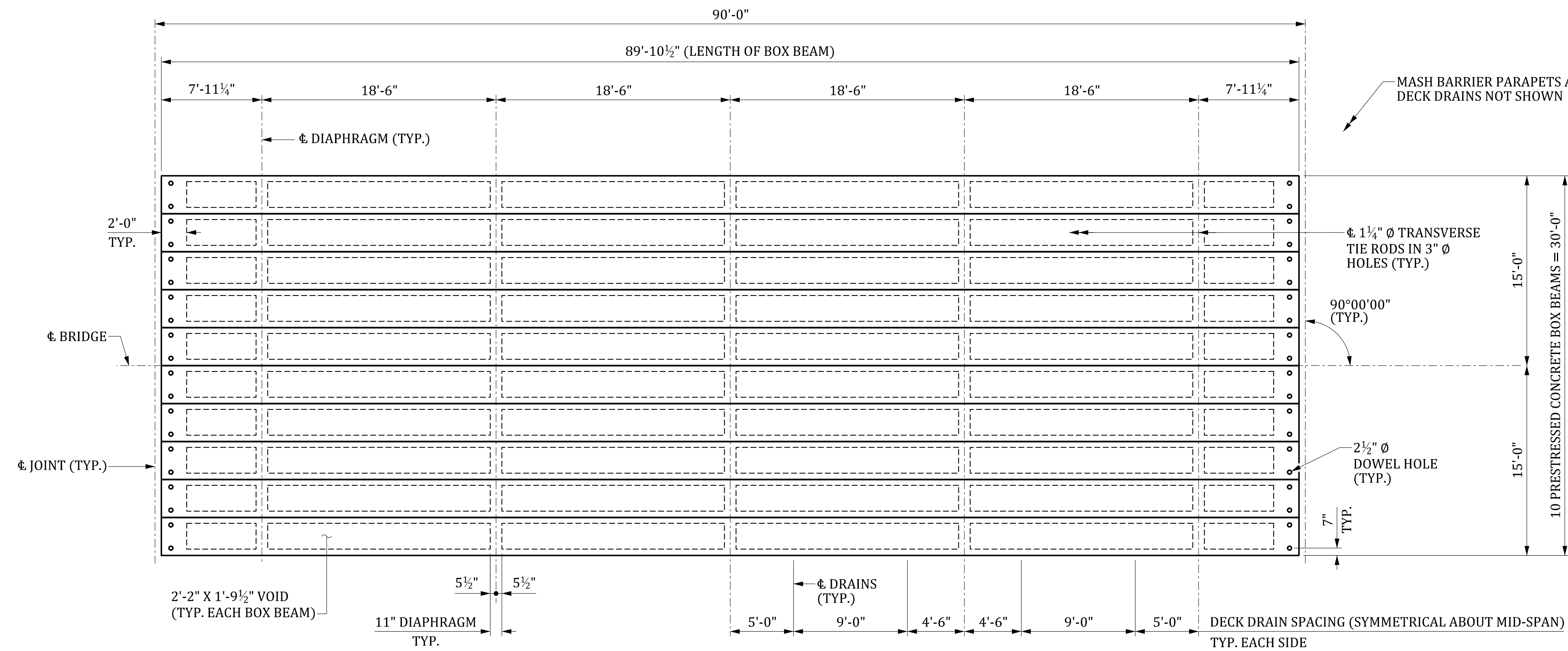
THIS DRAWING IS FURNISHED FOR INFORMATION ONLY. ALL DIMENSIONS SHOWN ARE SHEET SPECIFIC. ANY USE OF THIS DESIGN AND DRAWING, INCLUDING DIMENSIONS, MUST BE CHECKED BY THE USER'S ENGINEER TO ENSURE DESIGN IS ADEQUATE FOR THE INTENDED USE. ALL DRAWINGS MUST BE SIGNED AND SEALED BY A SOUTH CAROLINA REGISTERED PROFESSIONAL ENGINEER WHEN USED.

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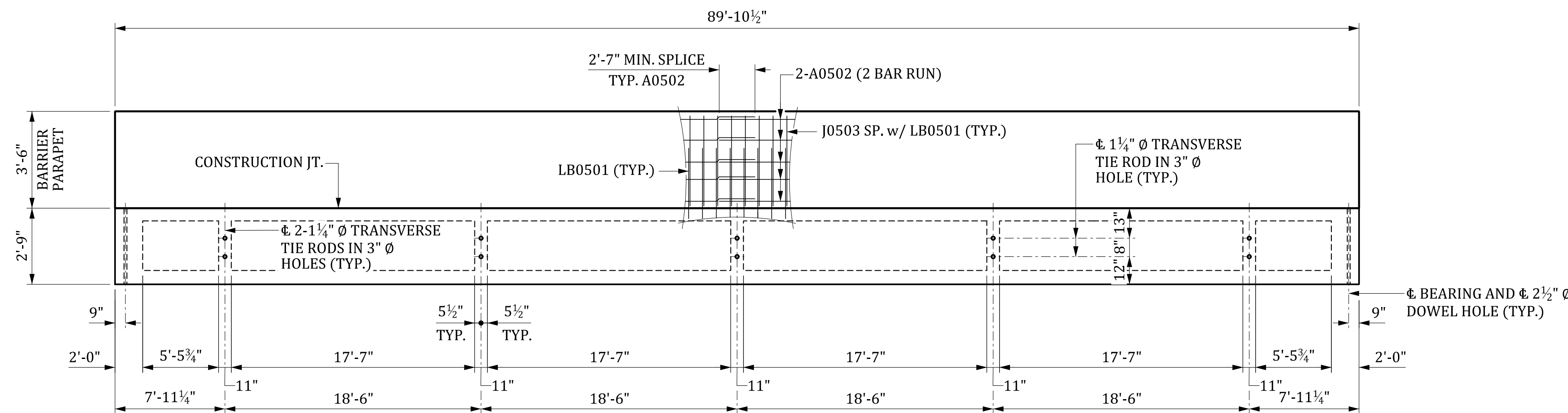
REV.	BY	CHK.	DATE	DESCRIPTION OF REVISION

REVIEWED	QUAN.	DR.	DES.	GCM	OP	BY	CHK.	DATE

DEAD LOAD DEFLECTION & CAMBER	
CAMBER AT ERECTION (BEAM ALONE IN PLACE)	↑ 3 11/16"
DEFLECTION DUE TO BARRIER PARAPETS AND ASPHALT WEARING SURFACE	↓ X"
FINAL CAMBER	↑ X"



PLAN



ELEVATION

DECK DRAINS AND TIE ROD POCKETS NOT SHOWN.
FOR BOX BEAM REINFORCING STEEL LAYOUT, SEE PRESTRESSED CONCRETE BOX BEAM 80' SPAN - DETAILS SHEETS.

BILL OF MATERIAL ONE 90' BOX BEAM							
MARK	NO. REQ'D	DIMENSION					LENGTH
		"a"	"b"	"c"	"d"	"e"	
A0401	10	2'-7"	---	---	---	---	2'-7"
A0501	12	45'-10"	---	---	---	---	45'-10"
J0401	61	2'-8"	2'-5"	---	---	---	7'-6"
J0402	61	2'-8"	1'-6"	---	---	---	5'-8"
J0403	121	2'-8"	1'-1"	---	---	---	4'-10"
J0404	44	2'-7"	1'-6"	---	---	---	5'-7"
J0501	36	2'-8 1/2"	2'-1"	---	---	---	6'-11"
J0502	12	1'-10"	2'-0"	---	---	---	5'-10"
JD0401	55	1'-6"	6"	1'-2"	3"	4"	5'-10"
K0401	15	4 1/2"	2'-4"	9"	---	---	6'-2"
LB0501	① 106	5 1/2"	---	---	---	---	7'-4"
N0501	10	10"	2'-4"	3'-6"	---	---	6'-8"

QUANTITIES			
ITEM	UNIT	INTERIOR	EXTERIOR
REINFORCING STEEL	LB	2361	3171
CONCRETE, f'c 7,000	CY	15.8	15.9
0.6 Ø L.R. STRANDS	LF	2517	2517

① LB0501 BARS REQUIRED FOR EXTERIOR BEAMS ONLY.

BILL OF MATERIAL ONE 90' BARRIER PARAPET					
MARK	NO. REQ'D	DIMENSION			LENGTH
		"a"	"b"	"c"	
A0502	20	46'-1"	---	---	46'-1"
A0503	16	5'-0"	---	---	5'-0"
J0503	106	5 1/2"	3'-3"	---	7'-0"

QUANTITIES		
ITEM	UNIT	TOTAL
2.0" SCHEDULE 80 PVC CONDUIT	LF	180.0
REINFORCING STEEL	LB	1819
MASH CONCETE BARRIER PARAPET	LF	90.0

ESTIMATED QUANTITIES - ONE 90' SPAN		
ITEM	UNIT	TOTAL
2.0" SCHEDULE 80 PVC CONDUIT	LF	360.0
REINFORCING STEEL FOR STRUCTURES (BRIDGE)	LB	3638
3'-0" X 2'-9" BOX BEAMS	LF	898.8
MASH CONCRETE BARRIER PARAPET	LF	180.0
ELASTOMERIC BEARING	EA	20
BRIDGE DECK WATERPROOFING	SY	278.3

CONSULTANT NAME/LOGO
SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
PRESTRESSED CONCRETE BOX BEAM 90' SPAN 27'-10" ROADWAY (0° SKEW)
COUNTY: ###-### ROUTE: ###-###

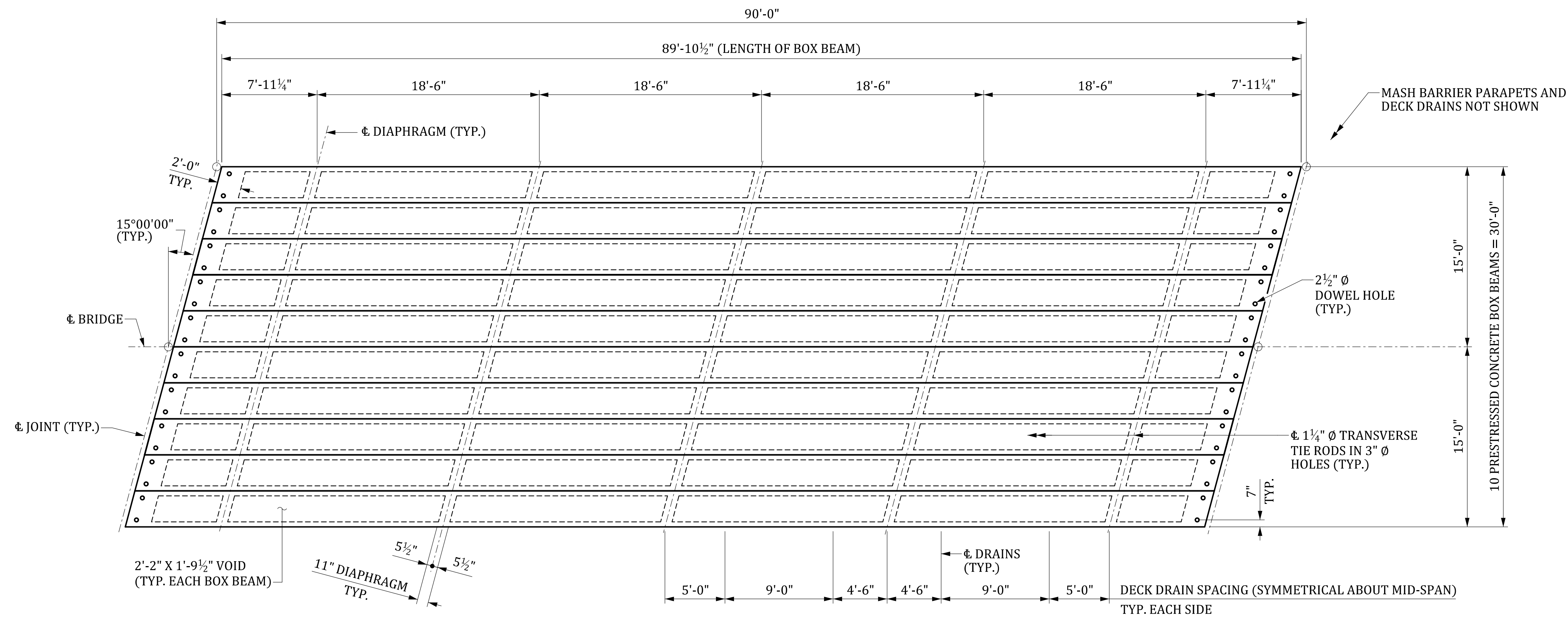
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REV.	BY	CHK.	DATE	DESCRIPTION OF REVISION

REVIEWED	QUAN.	DR.	DES.
GCM	GCM	OP	BY
MWB	MWB	WSA	CHK.
10-23	10-23	09-23	DATE

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DEAD LOAD DEFLECTION & CAMBER	
CAMBER AT ERECTION (BEAM ALONE IN PLACE)	↑ 3 11/16"
DEFLECTION DUE TO BARRIER PARAPETS AND ASPHALT WEARING SURFACE	↓ X"
FINAL CAMBER	↑ X"



PLAN

BILL OF MATERIAL ONE 90' BOX BEAM							
MARK	NO. REQ'D	DIMENSION					LENGTH
		"a"	"b"	"c"	"d"	"e"	
A0401	10	2'-8"	---	---	---	---	2'-8"
A0501	12	45'-10"	---	---	---	---	45'-10"
J0401	61	2'-8"	2'-5"	---	---	---	7'-6"
J0402	61	2'-8"	1'-6"	---	---	---	5'-8"
J0403	111	2'-8"	1'-1"	---	---	---	4'-10"
J0404	8	2'-9 1/2"	1'-1"	---	---	---	5'-0"
J0405	6	2'-9"	1'-1"	---	---	---	4'-11"
J0501	28	2'-9 1/2"	2'-1"	---	---	---	7'-0"
J0502	12	1'-11"	2'-0"	---	---	---	5'-11"
J0503	12	2'-9"	2'-1"	---	---	---	6'-11"
J0504	4	2'-8 1/2"	2'-1"	---	---	---	6'-11"
JC0401	44	2'-8"	1'-6"	8 5/16"	---	---	5'-8"
JD0401	55	1'-6"	6"	1'-2"	3"	4"	5'-10"
K0401	15	4 1/2"	2'-4"	9"	---	---	6'-2"
LB0501	① 100	5 1/2"	---	---	---	---	7'-4"
LB0502	① 6	5 3/4"	---	---	---	---	7'-5"
N0501	10	10"	2'-4"	3'-6"	---	---	6'-8"

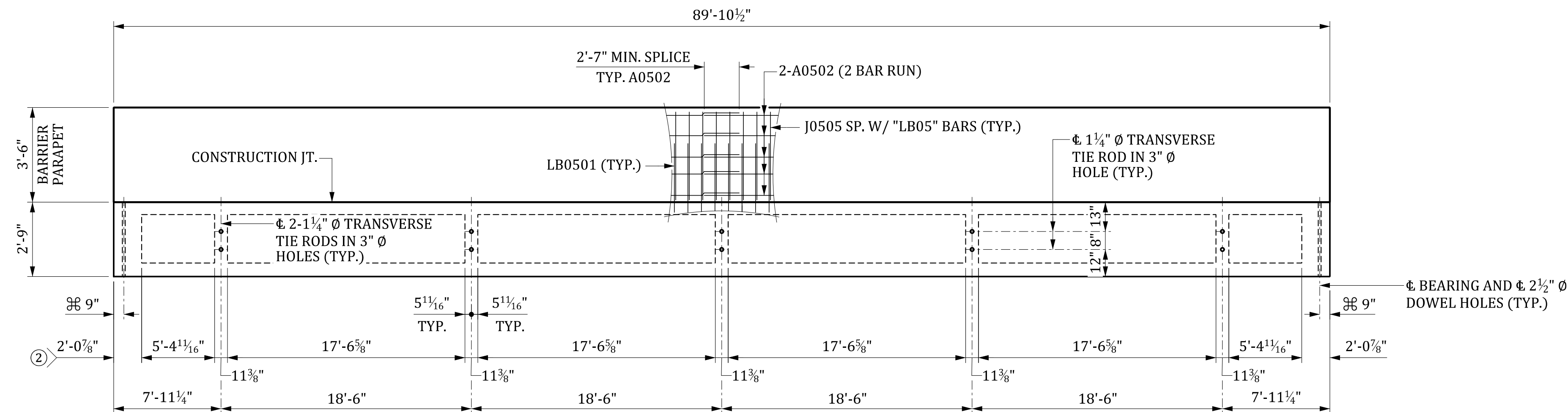
QUANTITIES			
ITEM	UNIT	INTERIOR	EXTERIOR
REINFORCING STEEL	LB	2439	3250
CONCRETE, f'c 7,000	CY	15.8	15.9
0.6 Ø L.R. STRANDS	LF	2517	2517

① "LB05" BARS REQUIRED FOR EXTERIOR BEAMS ONLY.

BILL OF MATERIAL ONE 90' BARRIER PARAPET							
MARK	NO. REQ'D	DIMENSION					LENGTH
		"a"	"b"	"c"	"d"	"e"	
A0502	20	46'-1"	---	---	---	---	46'-1"
A0503	16	5'-0"	---	---	---	---	5'-0"
J0505	106	5 1/2"	3'-3"	---	---	---	7'-0"

QUANTITIES		
ITEM	UNIT	TOTAL
2.0" SCHEDULE 80 PVC CONDUIT	LF	180.0
REINFORCING STEEL	LB	1819
MASH CONCRETE BARRIER PARAPET	LF	90.0

ESTIMATED QUANTITIES - ONE 90' SPAN		
ITEM	UNIT	TOTAL
2.0" SCHEDULE 80 PVC CONDUIT	LF	360.0
REINFORCING STEEL FOR STRUCTURES (BRIDGE)	LB	3638
3'-0" X 2'-9" BOX BEAMS	LF	898.8
MASH CONCRETE BARRIER PARAPET	LF	180.0
ELASTOMERIC BEARING	EA	20
BRIDGE DECK WATERPROOFING	SY	278.3



ELEVATION

DECK DRAINS AND TIE ROD POCKETS NOT SHOWN.
FOR BOX BEAM REINFORCING STEEL LAYOUT, SEE PRESTRESSED CONCRETE BOX BEAM 80' SPAN - DETAILS SHEETS.

- ⊘ NORMAL TO END OF BEAM.
- ② ALONG ⌀ BEAM.

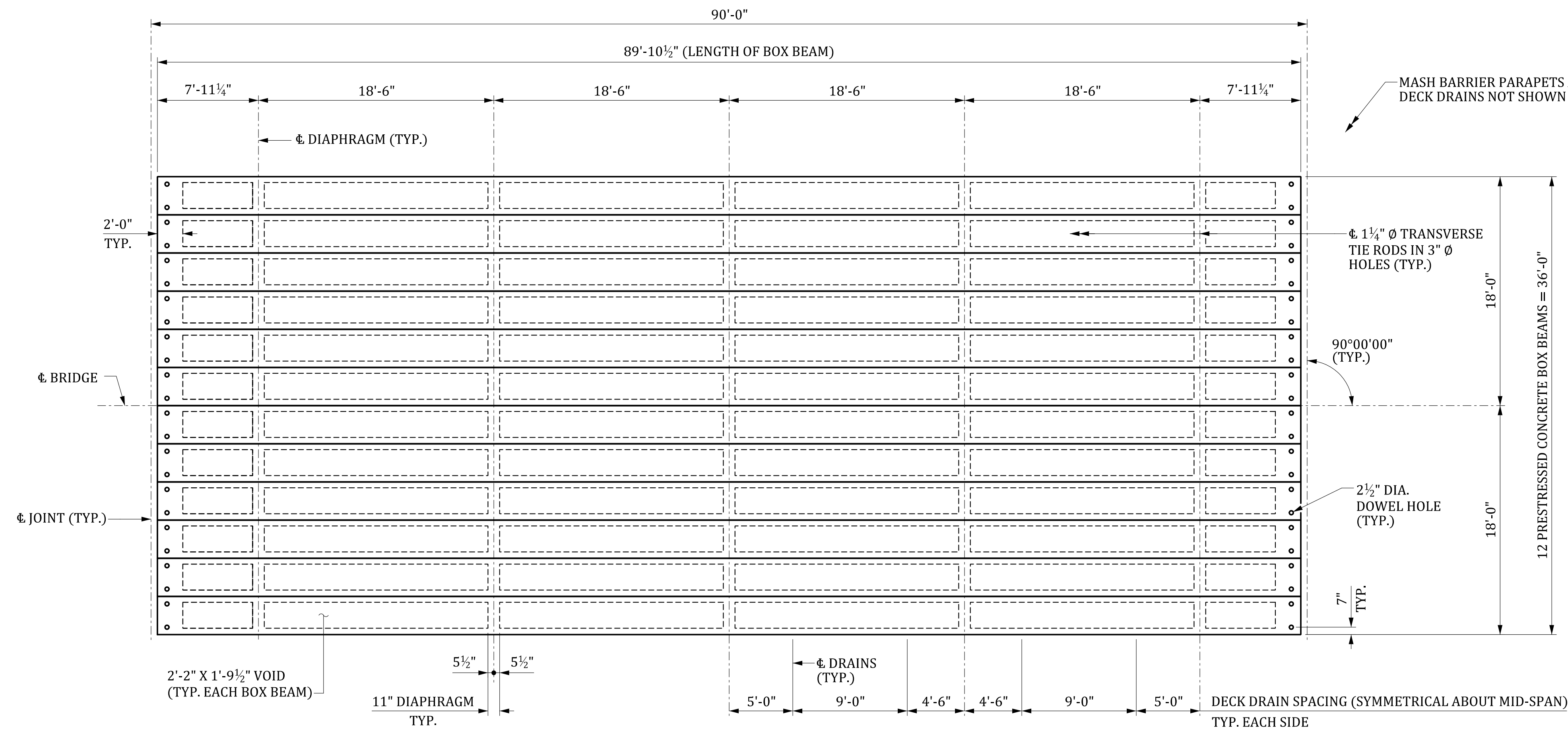
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CONSULTANT NAME/LOGO	
SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION	
PRESTRESSED CONCRETE BOX BEAM 90' SPAN 27'-10" ROADWAY (+15° SKEW)	
COUNTY: ###	ROUTE: ###

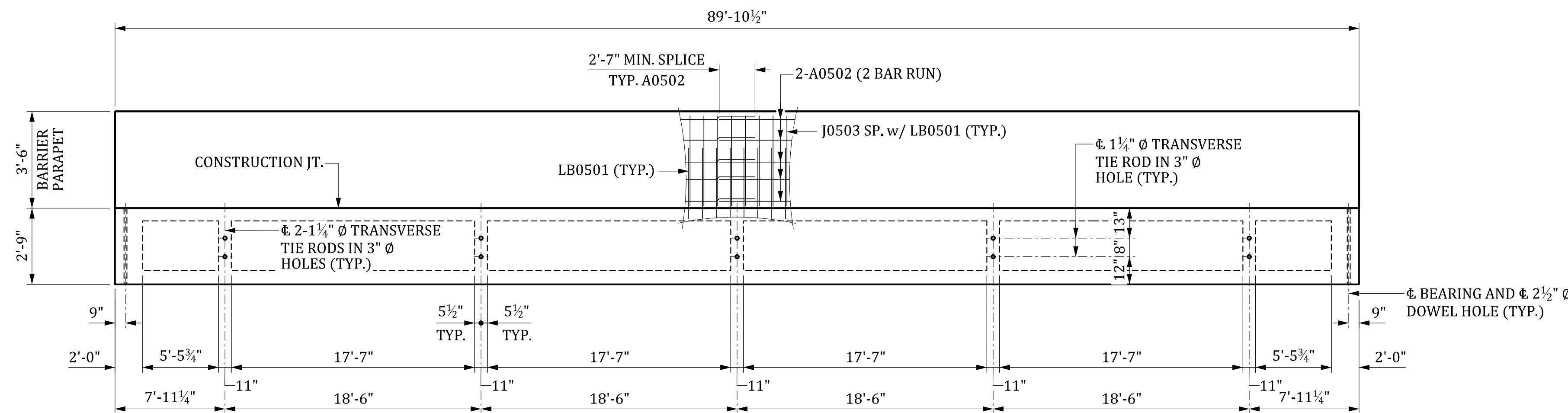
REV.	BY	CHK.	DATE	DESCRIPTION OF REVISION

REVIEWED	GCM	MWB	10-23
QUAN.	GCM	MWB	10-23
DR.	OP	WSA	09-23
DES.	BY	CHK.	DATE

DEAD LOAD DEFLECTION & CAMBER		
CAMBER AT ERECTION (BEAM ALONE IN PLACE)		↑ 3 1/16"
DEFLECTION DUE TO BARRIER PARAPETS AND ASPHALT WEARING SURFACE		↓ X"
FINAL CAMBER		↑ X"



PLAN



ELEVATION

DECK DRAINS AND TIE ROD POCKETS NOT SHOWN.
FOR BOX BEAM REINFORCING STEEL LAYOUT, SEE PRESTRESSED CONCRETE BOX BEAM 80' SPAN - DETAILS SHEETS.

BILL OF MATERIAL ONE 90' BOX BEAM							
MARK	NO. REQ'D	DIMENSION					LENGTH
		"a"	"b"	"c"	"d"	"e"	
A0401	10	2'-7"	---	---	---	---	2'-7"
A0501	12	45'-10"	---	---	---	---	45'-10"
J0401	61	2'-8"	2'-5"	---	---	---	7'-6"
J0402	61	2'-8"	1'-6"	---	---	---	5'-8"
J0403	121	2'-8"	1'-1"	---	---	---	4'-10"
J0404	44	2'-7"	1'-6"	---	---	---	5'-7"
J0501	36	2'-8 1/2"	2'-1"	---	---	---	6'-11"
J0502	12	1'-10"	2'-0"	---	---	---	5'-10"
JD0401	55	1'-6"	6"	1'-2"	3"	4"	5'-10"
K0401	15	4 1/2"	2'-4"	9"	---	---	6'-2"
LB0501	① 106	5 1/2"	---	---	---	---	7'-4"
N0501	10	10"	2'-4"	3'-6"	---	---	6'-8"

QUANTITIES			
ITEM	UNIT	INTERIOR	EXTERIOR
REINFORCING STEEL	LB	2361	3171
CONCRETE, f'c 7,000	CY	15.8	15.9
0.6 Ø L.R. STRANDS	LF	2517	2517

① LB0501 BARS REQUIRED FOR EXTERIOR BEAMS ONLY.

BILL OF MATERIAL ONE 90' BARRIER PARAPET					
MARK	NO. REQ'D	DIMENSION			LENGTH
		"a"	"b"	"c"	
A0502	20	46'-1"	---	---	46'-1"
A0503	16	5'-0"	---	---	5'-0"
J0503	106	5 1/2"	3'-3"	---	7'-0"

QUANTITIES		
ITEM	UNIT	TOTAL
2.0" SCHEDULE 80 PVC CONDUIT	LF	180.0
REINFORCING STEEL	LB	1819
MASH CONCETE BARRIER PARAPET	LF	90.0

ESTIMATED QUANTITIES - ONE 90' SPAN		
ITEM	UNIT	TOTAL
2.0" SCHEDULE 80 PVC CONDUIT	LF	360.0
REINFORCING STEEL FOR STRUCTURES (BRIDGE)	LB	3638
3'-0" X 2'-9" BOX BEAMS	LF	1078.5
MASH CONCRETE BARRIER PARAPET	LF	180.0
ELASTOMERIC BEARING	EA	24
BRIDGE DECK WATERPROOFING	SY	338.3

CONSULTANT NAME/LOGO
SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
PRESTRESSED CONCRETE BOX BEAM
90' SPAN
33'-10" ROADWAY (0° SKEW)
COUNTY: ###-### ROUTE: ###-###

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REV.	BY	CHK.	DATE	DESCRIPTION OF REVISION

REVIEWED	QUAN.	DR.	DES.	GCM	OP	BY	CHK.	DATE

DEAD LOAD DEFLECTION & CAMBER	
CAMBER AT ERECTION (BEAM ALONE IN PLACE)	↑ 3 ¹¹ / ₁₆ "
DEFLECTION DUE TO BARRIER PARAPETS AND ASPHALT WEARING SURFACE	↓ X"
FINAL CAMBER	↑ X"

BILL OF MATERIAL ONE 90' BOX BEAM							
MARK	NO. REQ'D	DIMENSION					LENGTH
		"a"	"b"	"c"	"d"	"e"	
A0401	10	2'-8"	---	---	---	---	2'-8"
A0501	12	45'-10"	---	---	---	---	45'-10"
J0401	61	2'-8"	2'-5"	---	---	---	7'-6"
J0402	61	2'-8"	1'-6"	---	---	---	5'-8"
J0403	111	2'-8"	1'-1"	---	---	---	4'-10"
J0404	8	2'-9 ¹ / ₂ "	1'-1"	---	---	---	5'-0"
J0405	6	2'-9"	1'-1"	---	---	---	4'-11"
J0501	28	2'-9 ¹ / ₂ "	2'-1"	---	---	---	7'-0"
J0502	12	1'-11"	2'-0"	---	---	---	5'-11"
J0503	12	2'-9"	2'-1"	---	---	---	6'-11"
J0504	4	2'-8 ¹ / ₂ "	2'-1"	---	---	---	6'-11"
JC0401	44	2'-8"	1'-6"	8 ⁵ / ₁₆ "	---	---	5'-8"
JD0401	55	1'-6"	6"	1'-2"	3"	4"	5'-10"
K0401	15	4 ¹ / ₂ "	2'-4"	9"	---	---	6'-2"
LB0501	① 100	5 ¹ / ₂ "	---	---	---	---	7'-4"
LB0502	① 6	5 ³ / ₄ "	---	---	---	---	7'-5"
N0501	10	10"	2'-4"	3'-6"	---	---	6'-8"

QUANTITIES			
ITEM	UNIT	INTERIOR	EXTERIOR
REINFORCING STEEL	LB	2439	3250
CONCRETE, f'c 7,000	CY	15.8	15.9
0.6 Ø L.R. STRANDS	LF	2517	2517

① "LB05" BARS REQUIRED FOR EXTERIOR BEAMS ONLY.

BILL OF MATERIAL ONE 90' BARRIER PARAPET					
MARK	NO. REQ'D	DIMENSION			LENGTH
		"a"	"b"	"c"	
A0502	20	46'-1"	---	---	46'-1"
A0503	16	5'-0"	---	---	5'-0"
J0505	106	5 ¹ / ₂ "	3'-3"	---	7'-0"

QUANTITIES		
ITEM	UNIT	TOTAL
2.0" SCHEDULE 80 PVC CONDUIT	LF	180.0
REINFORCING STEEL	LB	1819
MASH CONCRETE BARRIER PARAPET	LF	90.0

ESTIMATED QUANTITIES - ONE 90' SPAN		
ITEM	UNIT	TOTAL
2.0" SCHEDULE 80 PVC CONDUIT	LF	360.0
REINFORCING STEEL FOR STRUCTURES (BRIDGE)	LB	3638
3'-0" X 2'-9" BOX BEAMS	LF	1078.5
MASH CONCRETE BARRIER PARAPET	LF	180.0
ELASTOMERIC BEARING	EA	24
BRIDGE DECK WATERPROOFING	SY	338.3

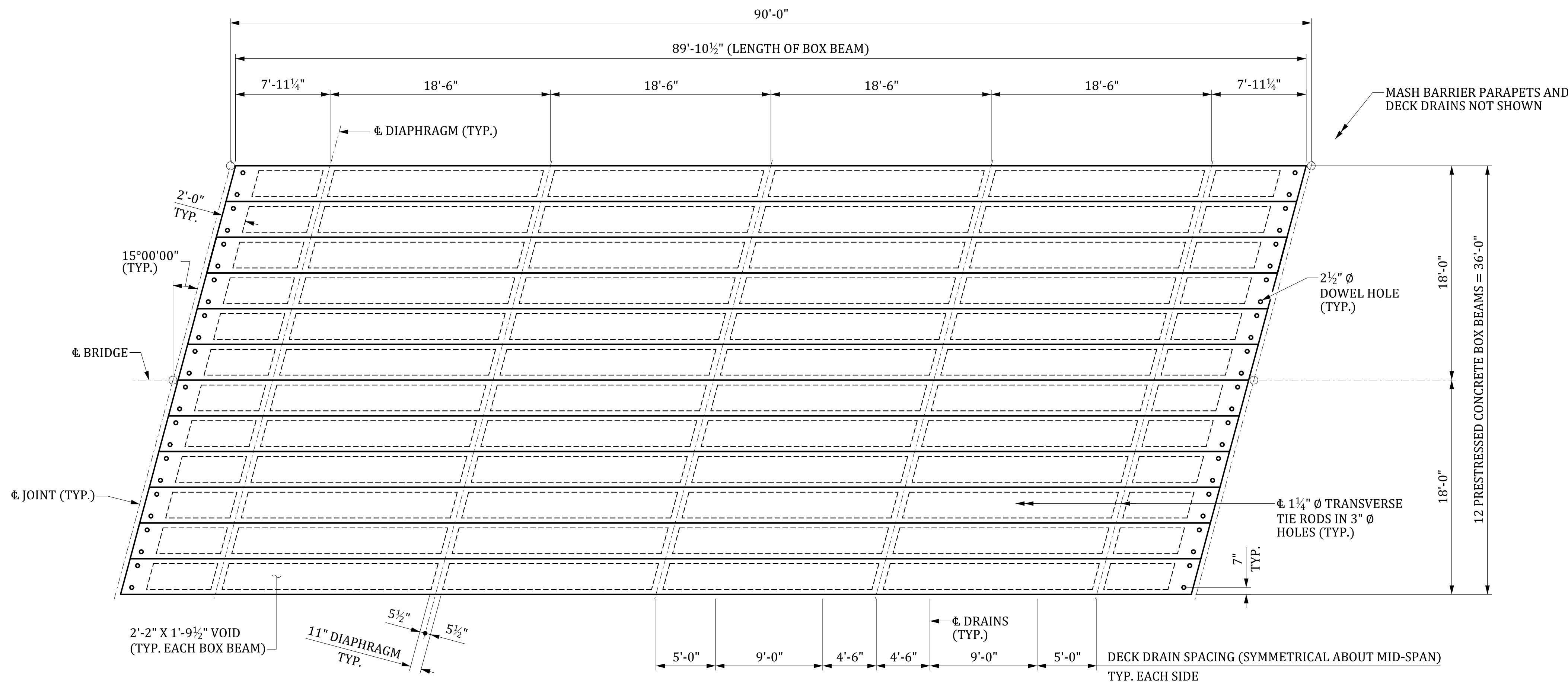
CONSULTANT NAME/LOGO

SOUTH CAROLINA
 DEPARTMENT OF TRANSPORTATION

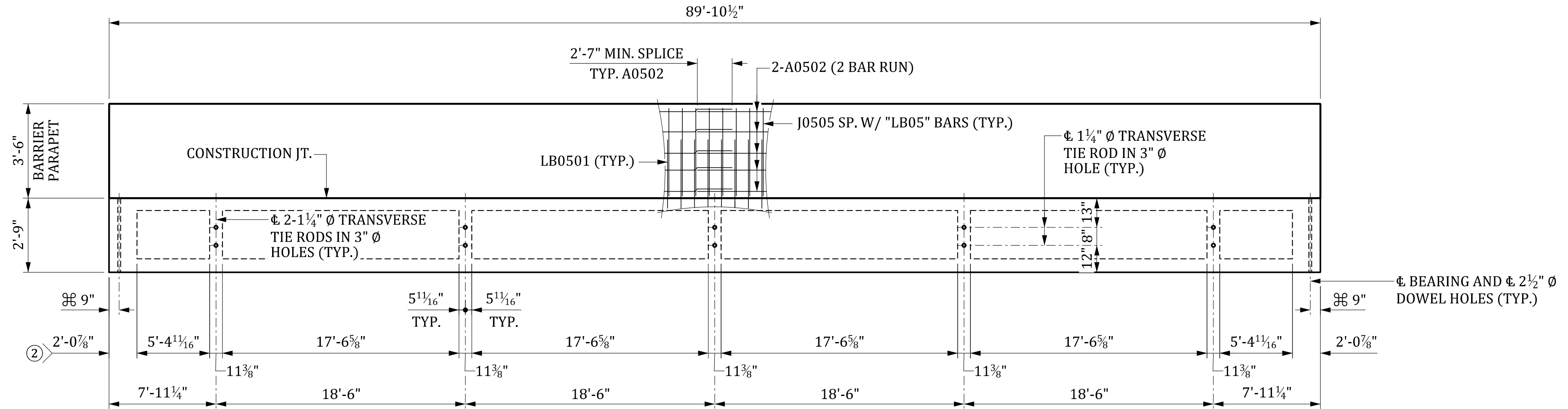
PRESTRESSED CONCRETE BOX BEAM
90' SPAN
 33'-10" ROADWAY (+15° SKEW)

COUNTY: ##### ROUTE: #####

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PLAN



ELEVATION

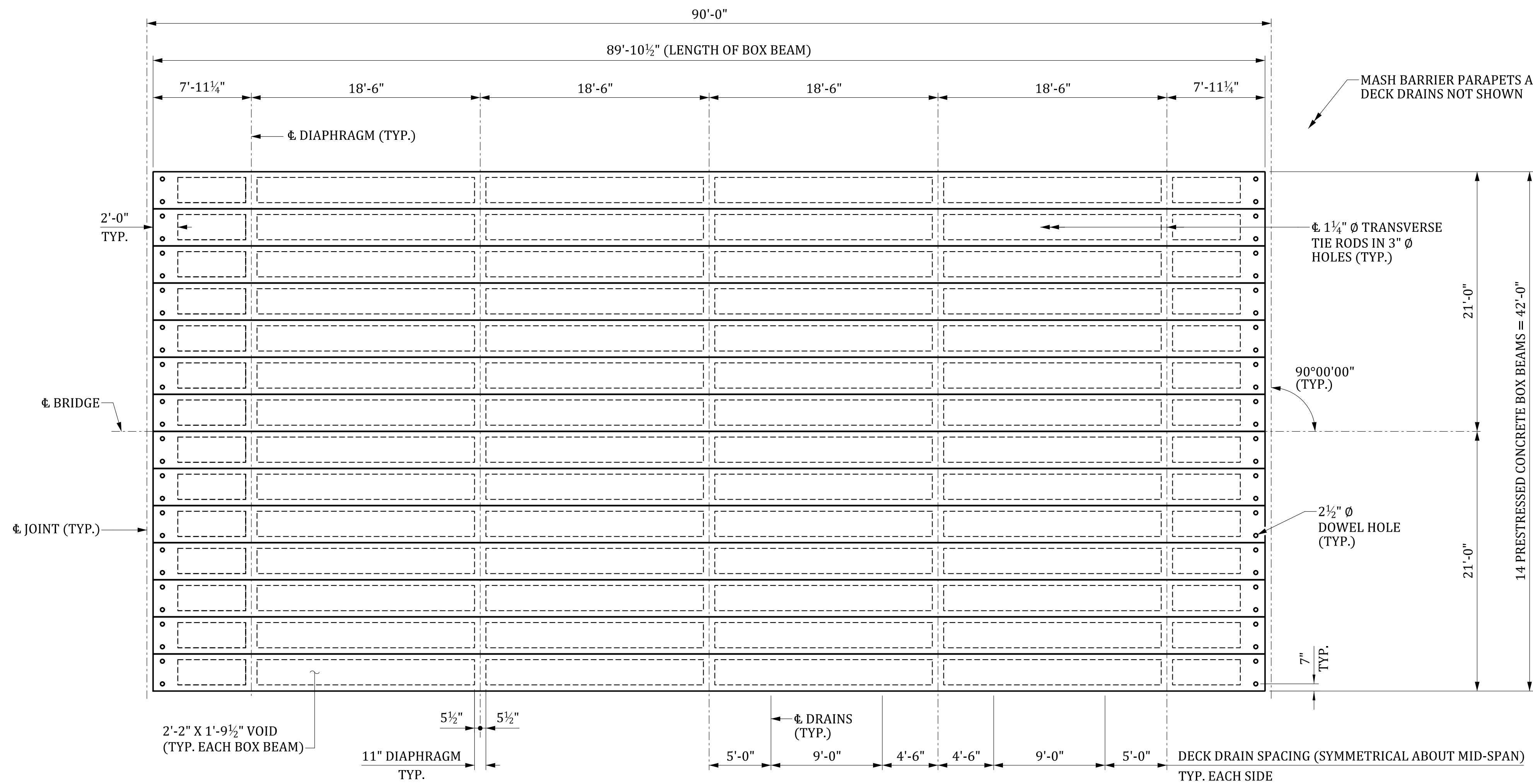
DECK DRAINS AND TIE ROD POCKETS NOT SHOWN.
 FOR BOX BEAM REINFORCING STEEL LAYOUT, SEE PRESTRESSED CONCRETE BOX BEAM 80' SPAN - DETAILS SHEETS.

REVIEWED	QUAN.	DR.	DES.	GCM	OP	BY	CHK.	DATE	DESCRIPTION OF REVISION

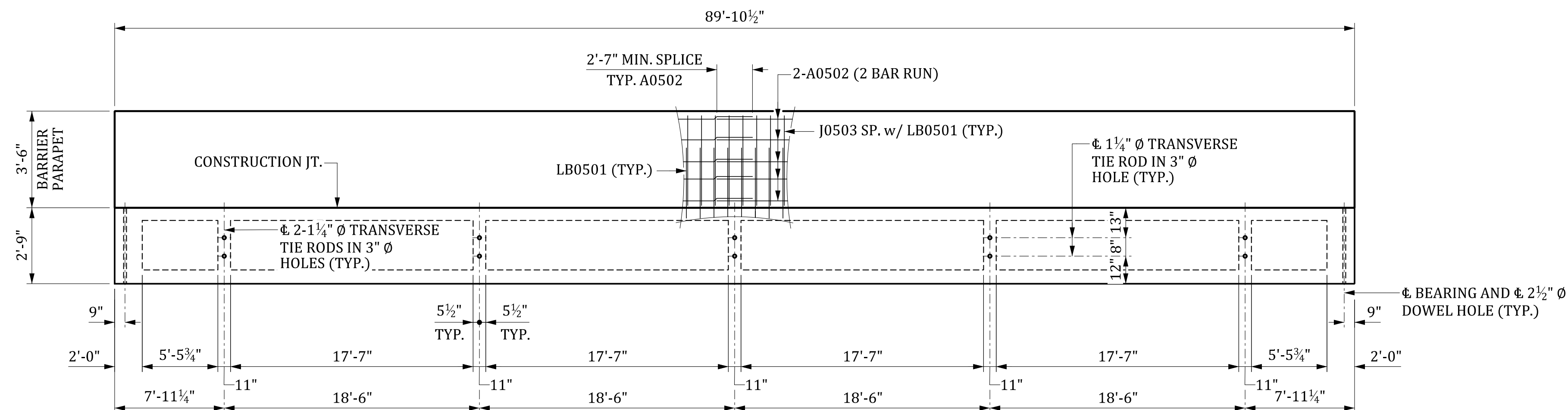
CMorris 6/25/2024 4:20:27 PM 704_ABB_90.dgn

⊘ NORMAL TO END OF BEAM.
 ② ALONG ⊘ BEAM.

DEAD LOAD DEFLECTION & CAMBER		
CAMBER AT ERECTION (BEAM ALONE IN PLACE)		↑ 3 11/16"
DEFLECTION DUE TO BARRIER PARAPETS AND ASPHALT WEARING SURFACE		↓ X"
FINAL CAMBER		↑ X"



PLAN



ELEVATION

DECK DRAINS AND TIE ROD POCKETS NOT SHOWN.
 FOR BOX BEAM REINFORCING STEEL LAYOUT, SEE PRESTRESSED CONCRETE BOX BEAM 80' SPAN - DETAILS SHEETS.

BILL OF MATERIAL ONE 90' BOX BEAM							
MARK	NO. REQ'D	DIMENSION					LENGTH
		"a"	"b"	"c"	"d"	"e"	
A0401	10	2'-7"	---	---	---	---	2'-7"
A0501	12	45'-10"	---	---	---	---	45'-10"
J0401	61	2'-8"	2'-5"	---	---	---	7'-6"
J0402	61	2'-8"	1'-6"	---	---	---	5'-8"
J0403	121	2'-8"	1'-1"	---	---	---	4'-10"
J0404	44	2'-7"	1'-6"	---	---	---	5'-7"
J0501	36	2'-8 1/2"	2'-1"	---	---	---	6'-11"
J0502	12	1'-10"	2'-0"	---	---	---	5'-10"
JD0401	55	1'-6"	6"	1'-2"	3"	4"	5'-10"
K0401	15	4 1/2"	2'-4"	9"	---	---	6'-2"
LB0501	① 106	5 1/2"	---	---	---	---	7'-4"
N0501	10	10"	2'-4"	3'-6"	---	---	6'-8"

QUANTITIES			
ITEM	UNIT	INTERIOR	EXTERIOR
REINFORCING STEEL	LB	2361	3171
CONCRETE, f'c 7,000	CY	15.8	15.9
0.6 ϕ L.R. STRANDS	LF	2517	2517

① LB0501 BARS REQUIRED FOR EXTERIOR BEAMS ONLY.

BILL OF MATERIAL ONE 90' BARRIER PARAPET							
MARK	NO. REQ'D	DIMENSION					LENGTH
		"a"	"b"	"c"	"d"	"e"	
A0502	20	46'-1"	---	---	---	---	46'-1"
A0503	16	5'-0"	---	---	---	---	5'-0"
J0503	106	5 1/2"	3'-3"	---	---	---	7'-0"

QUANTITIES		
ITEM	UNIT	TOTAL
2.0" SCHEDULE 80 PVC CONDUIT	LF	180.0
REINFORCING STEEL	LB	1819
MASH CONCRETE BARRIER PARAPET	LF	90.0

ESTIMATED QUANTITIES - ONE 90' SPAN		
ITEM	UNIT	TOTAL
2.0" SCHEDULE 80 PVC CONDUIT	LF	360.0
REINFORCING STEEL FOR STRUCTURES (BRIDGE)	LB	3638
3'-0" X 2'-9" BOX BEAMS	LF	1258.3
MASH CONCRETE BARRIER PARAPET	LF	180.0
ELASTOMERIC BEARING	EA	28
BRIDGE DECK WATERPROOFING	SY	398.3

CONSULTANT NAME/LOGO

SOUTH CAROLINA
 DEPARTMENT OF TRANSPORTATION

PRESTRESSED CONCRETE BOX BEAM
90' SPAN
 39'-10" ROADWAY (0° SKEW)

COUNTY: ##### ROUTE: #####

THIS DRAWING IS FURNISHED FOR INFORMATION ONLY. ALL DIMENSIONS SHOWN ARE SHEET SPECIFIC. ANY USE OF THIS DESIGN AND DRAWING, INCLUDING DIMENSIONS, MUST BE CHECKED BY THE USER'S ENGINEER TO ENSURE DESIGN IS ADEQUATE FOR THE INTENDED USE. ALL DRAWINGS MUST BE SIGNED AND SEALED BY A SOUTH CAROLINA REGISTERED PROFESSIONAL ENGINEER WHEN USED.

REVIEWED	GCM	MWB	10-23
QUAN.	GCM	MWB	10-23
DR.	OP	WSA	09-23
DES.	BY	CHK.	DATE

REV.	BY	CHK.	DATE	DESCRIPTION OF REVISION

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DEAD LOAD DEFLECTION & CAMBER		
CAMBER AT ERECTION (BEAM ALONE IN PLACE)		↑ 3 11/16"
DEFLECTION DUE TO BARRIER PARAPETS AND ASPHALT WEARING SURFACE		↓ X"
FINAL CAMBER		↑ X"

BILL OF MATERIAL ONE 90' BOX BEAM							
MARK	NO. REQ'D	DIMENSION					LENGTH
		"a"	"b"	"c"	"d"	"e"	
A0401	10	2'-8"	—	—	—	—	2'-8"
A0501	12	45'-10"	—	—	—	—	45'-10"
J0401	61	2'-8"	2'-5"	—	—	—	7'-6"
J0402	61	2'-8"	1'-6"	—	—	—	5'-8"
J0403	111	2'-8"	1'-1"	—	—	—	4'-10"
J0404	8	2'-9 1/2"	1'-1"	—	—	—	5'-0"
J0405	6	2'-9"	1'-1"	—	—	—	4'-11"
J0501	28	2'-9 1/2"	2'-1"	—	—	—	7'-0"
J0502	12	1'-11"	2'-0"	—	—	—	5'-11"
J0503	12	2'-9"	2'-1"	—	—	—	6'-11"
J0504	4	2'-8 1/2"	2'-1"	—	—	—	6'-11"
JC0401	44	2'-8"	1'-6"	8 5/16"	—	—	5'-8"
JD0401	55	1'-6"	6"	1'-2"	3"	4"	5'-10"
K0401	15	4 1/2"	2'-4"	9"	—	—	6'-2"
LB0501	① 100	5 1/2"	—	—	—	—	7'-4"
LB0502	① 6	5 3/4"	—	—	—	—	7'-5"
N0501	10	10"	2'-4"	3'-6"	—	—	6'-8"

QUANTITIES			
ITEM	UNIT	INTERIOR	EXTERIOR
REINFORCING STEEL	LB	2439	3250
CONCRETE, f'c 7,000	CY	15.8	15.9
0.6 Ø L.R. STRANDS	LF	2517	2517

① "LB05" BARS REQUIRED FOR EXTERIOR BEAMS ONLY.

BILL OF MATERIAL ONE 90' BARRIER PARAPET							
MARK	NO. REQ'D	DIMENSION					LENGTH
		"a"	"b"	"c"	"d"	"e"	
A0502	20	46'-1"	—	—	—	—	46'-1"
A0503	16	5'-0"	—	—	—	—	5'-0"
J0505	106	5 1/2"	3'-3"	—	—	—	7'-0"

QUANTITIES		
ITEM	UNIT	TOTAL
2.0" SCHEDULE 80 PVC CONDUIT	LF	180.0
REINFORCING STEEL	LB	1819
MASH CONCETE BARRIER PARAPET	LF	90.0

ESTIMATED QUANTITIES - ONE 90' SPAN		
ITEM	UNIT	TOTAL
2.0" SCHEDULE 80 PVC CONDUIT	LF	360.0
REINFORCING STEEL FOR STRUCTURES (BRIDGE)	LB	3638
3'-0" X 2'-9" BOX BEAMS	LF	1258.3
MASH CONCRETE BARRIER PARAPET	LF	180.0
ELASTOMERIC BEARING	EA	28
BRIDGE DECK WATERPROOFING	SY	398.3

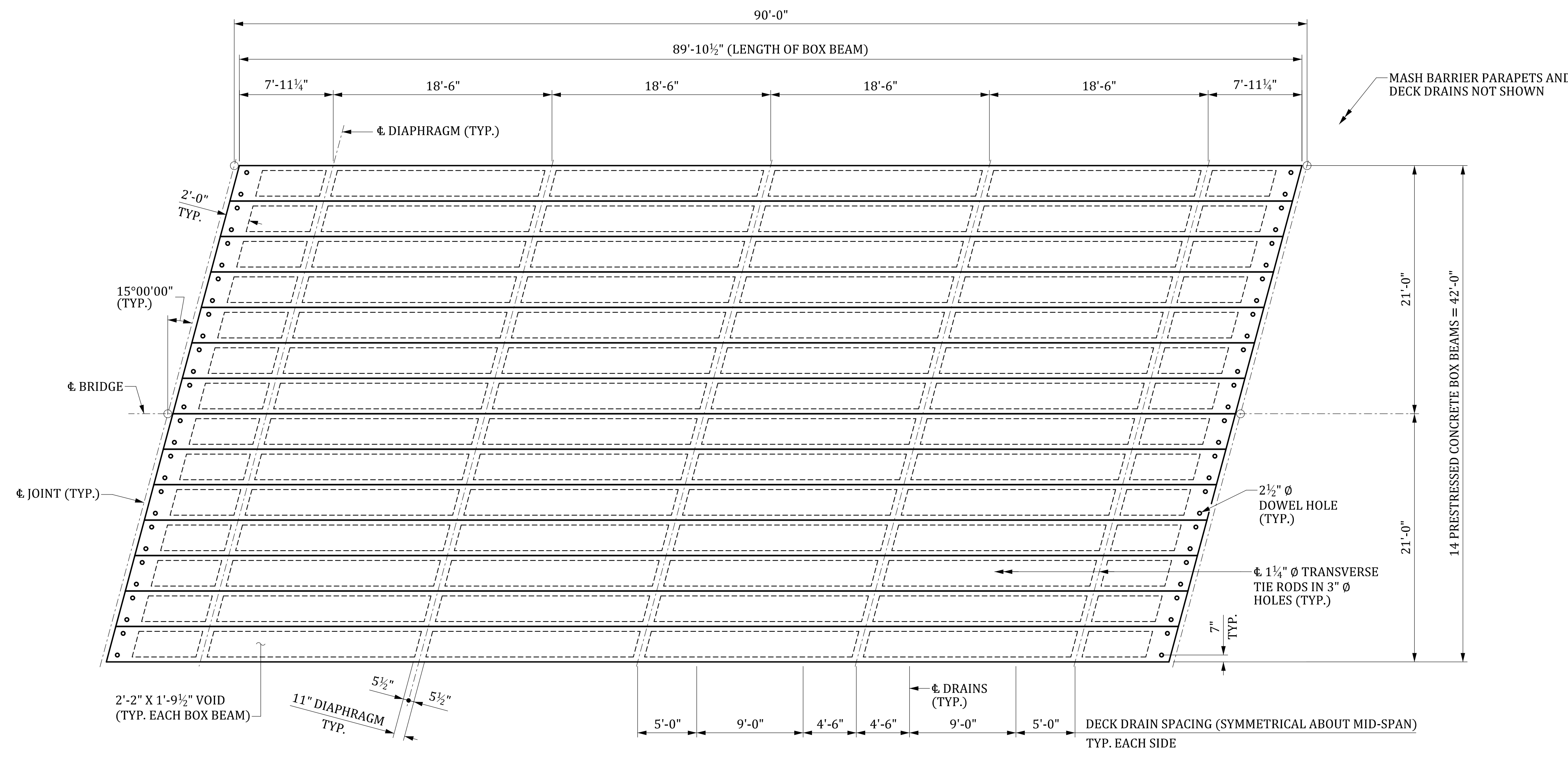
CONSULTANT NAME/LOGO

SOUTH CAROLINA
 DEPARTMENT OF TRANSPORTATION

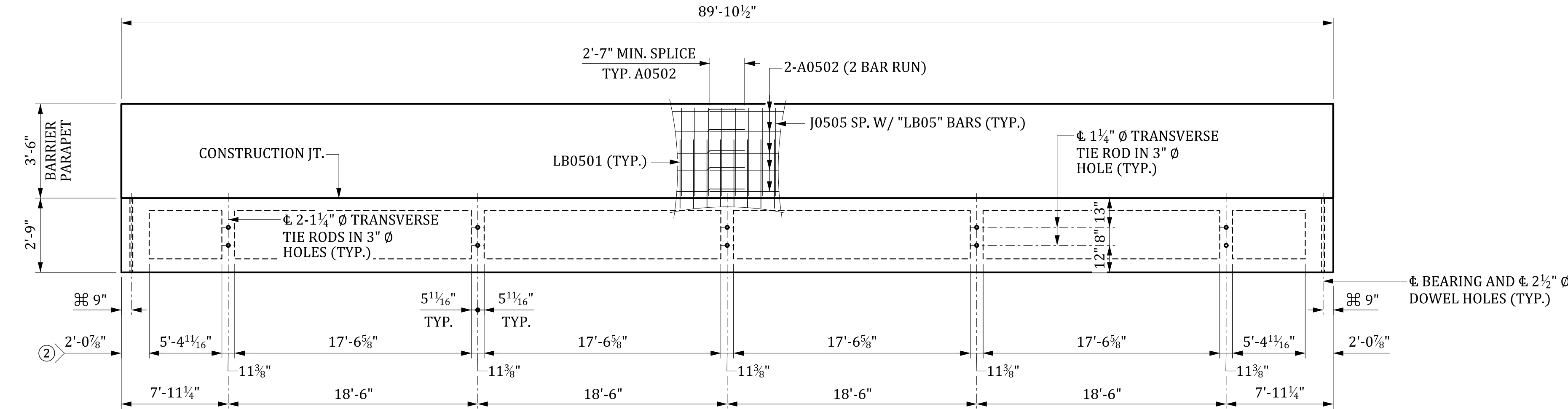
PRESTRESSED CONCRETE BOX BEAM
90' SPAN
 39'-10" ROADWAY (+15° SKEW)

COUNTY: ##### ROUTE: #####

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PLAN



ELEVATION

DECK DRAINS AND TIE ROD POCKETS NOT SHOWN.
 FOR BOX BEAM REINFORCING STEEL LAYOUT, SEE PRESTRESSED CONCRETE BOX BEAM 80' SPAN - DETAILS SHEETS.

REV.	BY	CHK.	DATE	DESCRIPTION OF REVISION

REVIEWED	QUAN.	DR.	DES.	GCM	OP	BY	CHK.	DATE

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