

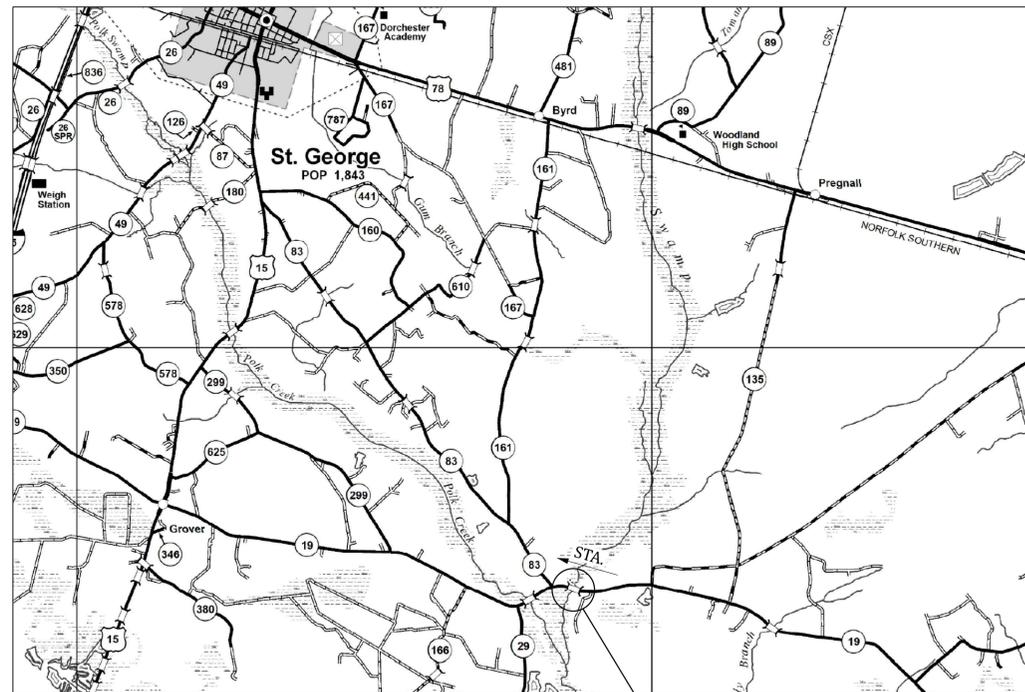
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SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION

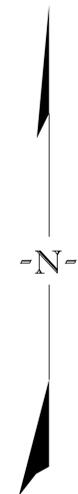
CONCEPTUAL PLANS FOR DORCHESTER COUNTY PROJECT ID P043755 ROAD S-19 (WIRE ROAD) REPLACE BRIDGE OVER INDIAN FIELDS SWAMP



LAYOUT

SITE LOCATION

APPROXIMATE LOCATION OF BRIDGE IS
 LATITUDE 33°- 05' - 28" N
 LONGITUDE 80°- 30' - 46" W



3 DAYS BEFORE DIGGING IN
 SOUTH CAROLINA
CALL 811
 SOUTH CAROLINA 811 (SC811)
 WWW.SC811.COM
 ALL UTILITIES MAY NOT BE A MEMBER OF SC811

ASSET ID _____

*ASSET ID TO BE REQUESTED
 AT THE PRELIMINARY DESIGN
 PHASE.

NET LENGTH OF ROADWAY	0.000	MILES
NET LENGTH OF BRIDGES	0.037	MILES
NET LENGTH OF PROJECT	0.037	MILES
LENGTH OF EXCEPTIONS	0.000	MILES
GROSS LENGTH OF PROJECT	0.037	MILES

TRAFFIC DATA			
2025	ADT	1200	V.P.D.
2045	ADT	1600	V.P.D.
TRUCKS	13	%	

NOTE: EXCEPT AS MAY OTHERWISE BE SPECIFIED ON THE PLANS OR IN THE SPECIAL PROVISIONS, ALL MATERIALS AND WORKMANSHIP ON THIS PROJECT SHALL CONFORM TO THE SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION AND THE STANDARD DRAWINGS FOR ROAD CONSTRUCTION IN EFFECT AT THE TIME OF LETTING.

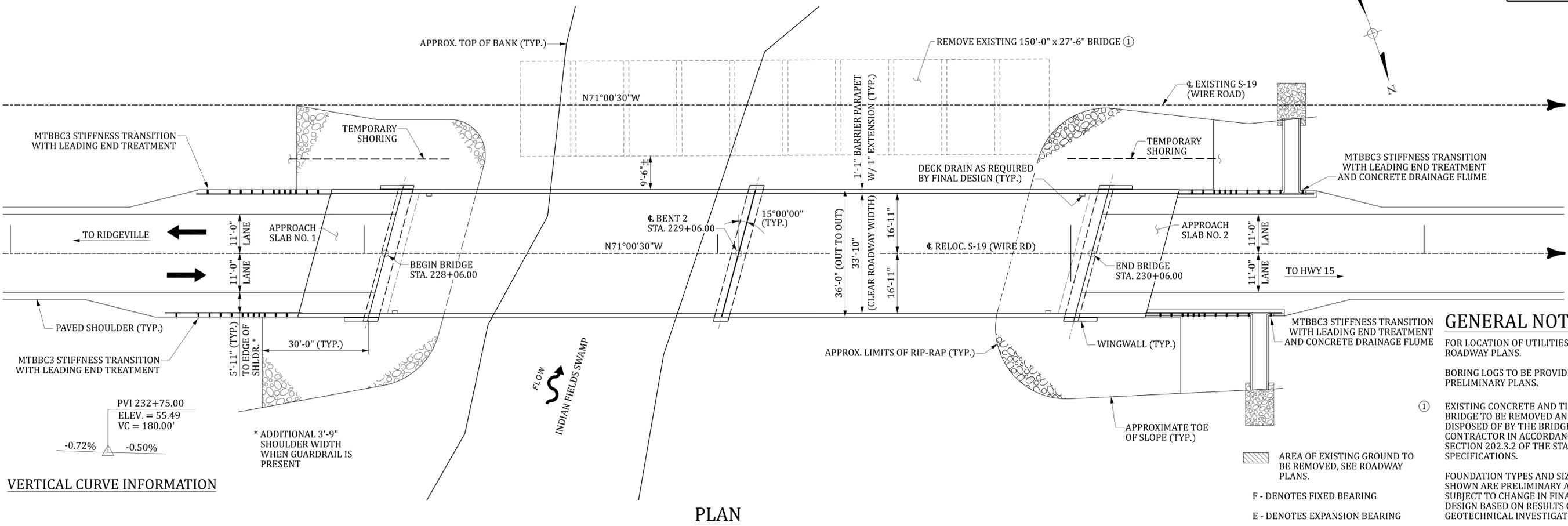
CONSULTING ENGINEERING FIRM

Michael Baker
INTERNATIONAL

ENGINEER OF RECORD

NOT FOR CONSTRUCTION
SUBJECT TO CHANGE

REVIEWED: _____ DATE: 10-25
 TB BY: _____ CHK: _____
 DR. _____ DATE: _____
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GENERAL NOTES:

FOR LOCATION OF UTILITIES, SEE ROADWAY PLANS.

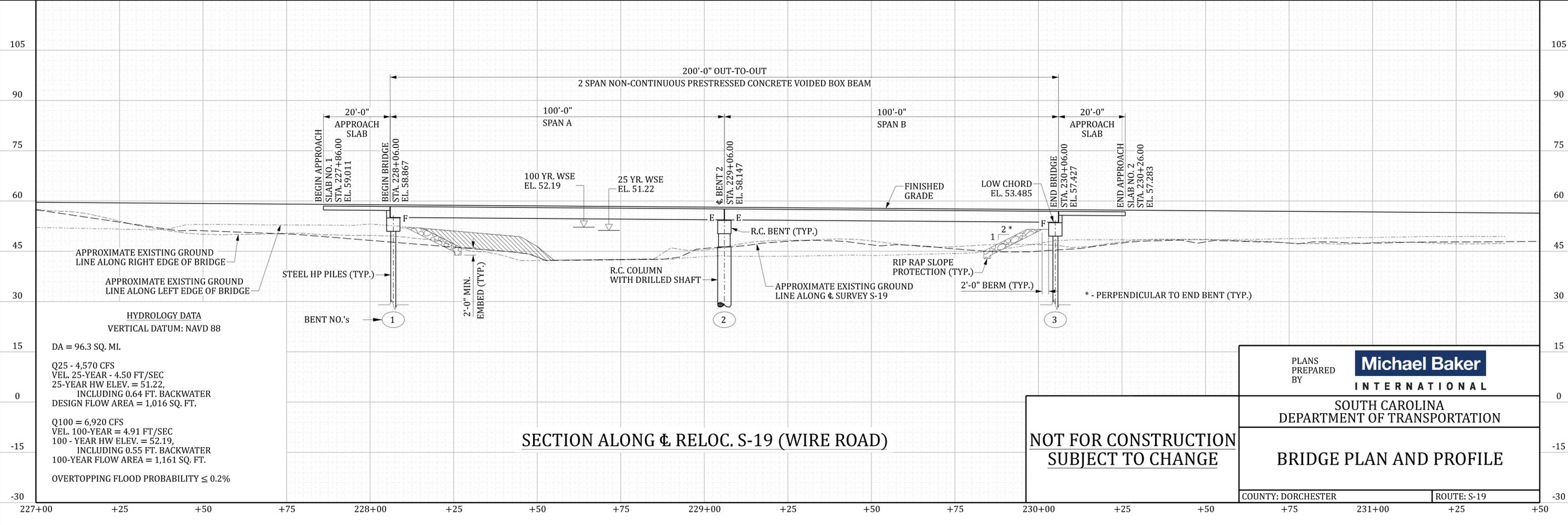
BORING LOGS TO BE PROVIDED IN PRELIMINARY PLANS.

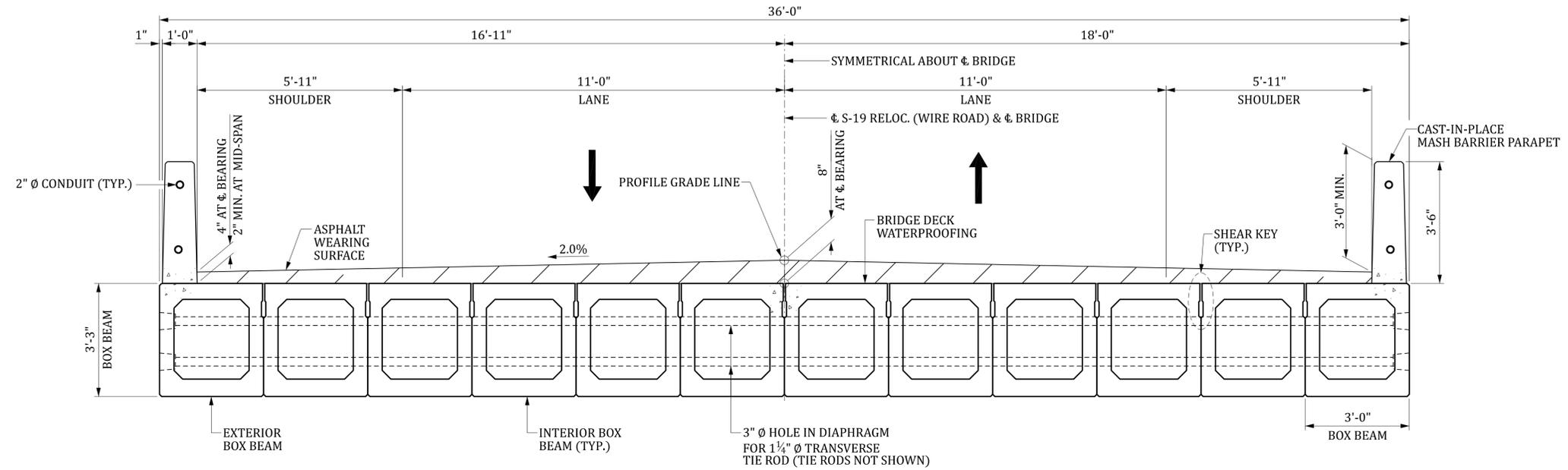
① EXISTING CONCRETE AND TIMBER BRIDGE TO BE REMOVED AND DISPOSED OF BY THE BRIDGE CONTRACTOR IN ACCORDANCE WITH SECTION 202.3.2 OF THE STANDARD SPECIFICATIONS.

FOUNDATION TYPES AND SIZES SHOWN ARE PRELIMINARY AND SUBJECT TO CHANGE IN FINAL DESIGN BASED ON RESULTS OF GEOTECHNICAL INVESTIGATION.

REV.	BY	CHK.	DATE	DESCRIPTION OF REVISION

REVIEWED	QUAN.	DR.	TB	JRM	10-25





TYPICAL SECTION
DECK DRAINS NOT SHOWN

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REV.	BY	CHK.	DATE	DESCRIPTION OF REVISION

REVIEWED	QUAN.	DR.	DES.	BY	CHK.	DATE

**NOT FOR CONSTRUCTION
SUBJECT TO CHANGE**

PLANS PREPARED BY	Michael Baker INTERNATIONAL
SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION	
TYPICAL SECTION	
COUNTY: DORCHESTER	ROUTE: S-19

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1. TITLE SHEET
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3. TYPICAL SECTION



SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION



CONCEPTUAL PLANS FOR GEORGETOWN COUNTY PROJECT ID P043745 ROAD S-24 (POWELL ROAD) REPLACE BRIDGE OVER POLE SWAMP

DESIGN REFERENCE FOR THESE PLANS IS THE:

LVB

SUPPLEMENTAL DESIGN CRITERIA FOR
LOW VOLUME BRIDGE REPLACEMENT PROJECTS



SITE LOCATION

LAYOUT

APPROXIMATE LOCATION OF BRIDGE IS

LATITUDE 33° - 14' - 44" N
LONGITUDE 79° - 24' - 35" W

- N -

3 DAYS BEFORE DIGGING IN
SOUTH CAROLINA
CALL 811
SOUTH CAROLINA 811 (SC811)
WWW.SC811.COM
ALL UTILITIES MAY NOT BE A MEMBER OF SC811

ASSET ID XXXXX*

*ASSET ID TO BE REQUESTED
AT THE PRELIMINARY DESIGN
PHASE.

NET LENGTH OF ROADWAY	0.000	MILES
NET LENGTH OF BRIDGES	0.015	MILES
NET LENGTH OF PROJECT	0.015	MILES
LENGTH OF EXCEPTIONS	0.000	MILES
GROSS LENGTH OF PROJECT	0.015	MILES

TRAFFIC DATA

2025 ADT 1000 V.P.D.

2045 ADT 1300 V.P.D.

TRUCKS 13 %

NOTE: EXCEPT AS MAY OTHERWISE BE SPECIFIED ON THE PLANS OR IN THE SPECIAL PROVISIONS, ALL MATERIALS AND WORKMANSHIP ON THIS PROJECT SHALL CONFORM TO THE SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION AND THE STANDARD DRAWINGS FOR ROAD CONSTRUCTION IN EFFECT AT THE TIME OF LETTING.

CONSULTING ENGINEERING FIRM

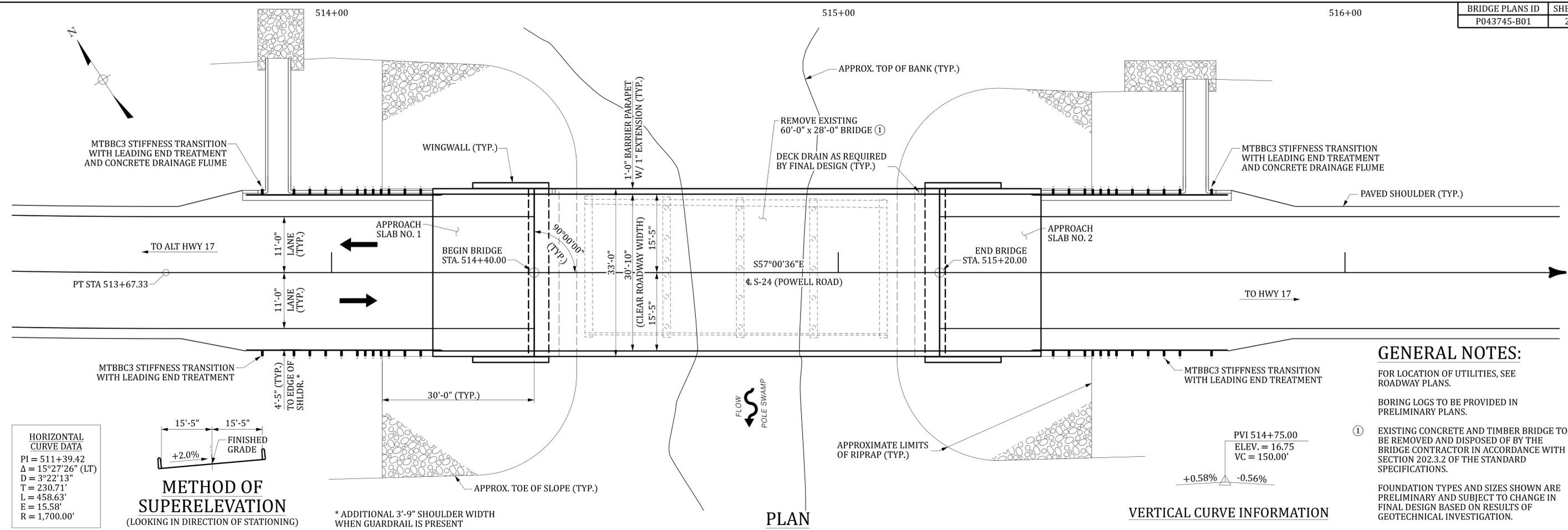
Michael Baker
INTERNATIONAL

ENGINEER OF RECORD

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SUBJECT TO CHANGE**

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REVIEWED	TB	BH	12-25
DR.	BY	CHK.	DATE



HORIZONTAL CURVE DATA
 PI = 511+39.42
 $\Delta = 15^\circ 27' 26''$ (LT)
 D = 3°22'13"
 T = 230.71'
 L = 458.63'
 E = 15.58'
 R = 1,700.00'

METHOD OF SUPERELEVATION
 (LOOKING IN DIRECTION OF STATIONING)

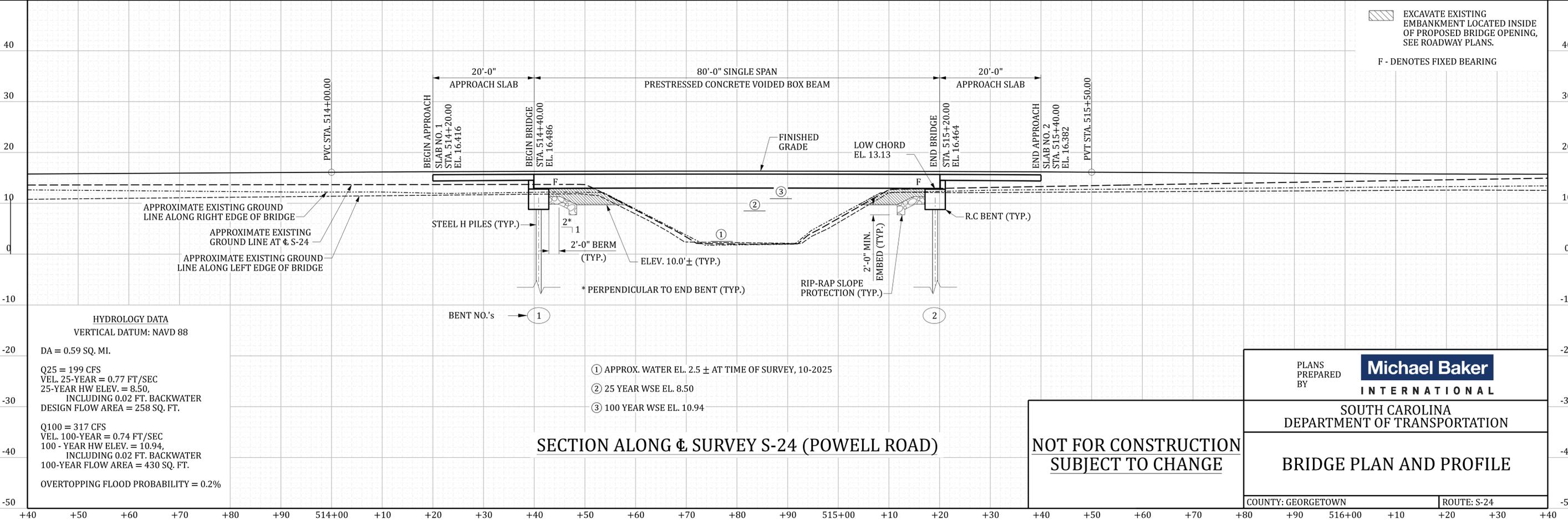
* ADDITIONAL 3'-9" SHOULDER WIDTH WHEN GUARDRAIL IS PRESENT

VERTICAL CURVE INFORMATION

GENERAL NOTES:
 FOR LOCATION OF UTILITIES, SEE ROADWAY PLANS.
 BORING LOGS TO BE PROVIDED IN PRELIMINARY PLANS.
 ① EXISTING CONCRETE AND TIMBER BRIDGE TO BE REMOVED AND DISPOSED OF BY THE BRIDGE CONTRACTOR IN ACCORDANCE WITH SECTION 202.3.2 OF THE STANDARD SPECIFICATIONS.
 FOUNDATION TYPES AND SIZES SHOWN ARE PRELIMINARY AND SUBJECT TO CHANGE IN FINAL DESIGN BASED ON RESULTS OF GEOTECHNICAL INVESTIGATION.

REV.	BY	CHK.	DATE	DESCRIPTION OF REVISION

REVIEWED	QUAN.	DR.	DES.	BY	CHK.	DATE



HYDROLOGY DATA
 VERTICAL DATUM: NAVD 88
 DA = 0.59 SQ. MI.
 Q25 = 199 CFS
 VEL. 25-YEAR = 0.77 FT/SEC
 25-YEAR HW ELEV. = 8.50,
 INCLUDING 0.02 FT. BACKWATER
 DESIGN FLOW AREA = 258 SQ. FT.
 Q100 = 317 CFS
 VEL. 100-YEAR = 0.74 FT/SEC
 100-YEAR HW ELEV. = 10.94,
 INCLUDING 0.02 FT. BACKWATER
 100-YEAR FLOW AREA = 430 SQ. FT.
 OVERTOPPING FLOOD PROBABILITY = 0.2%

- ① APPROX. WATER EL. 2.5 ± AT TIME OF SURVEY, 10-2025
- ② 25 YEAR WSE EL. 8.50
- ③ 100 YEAR WSE EL. 10.94

NOT FOR CONSTRUCTION
SUBJECT TO CHANGE

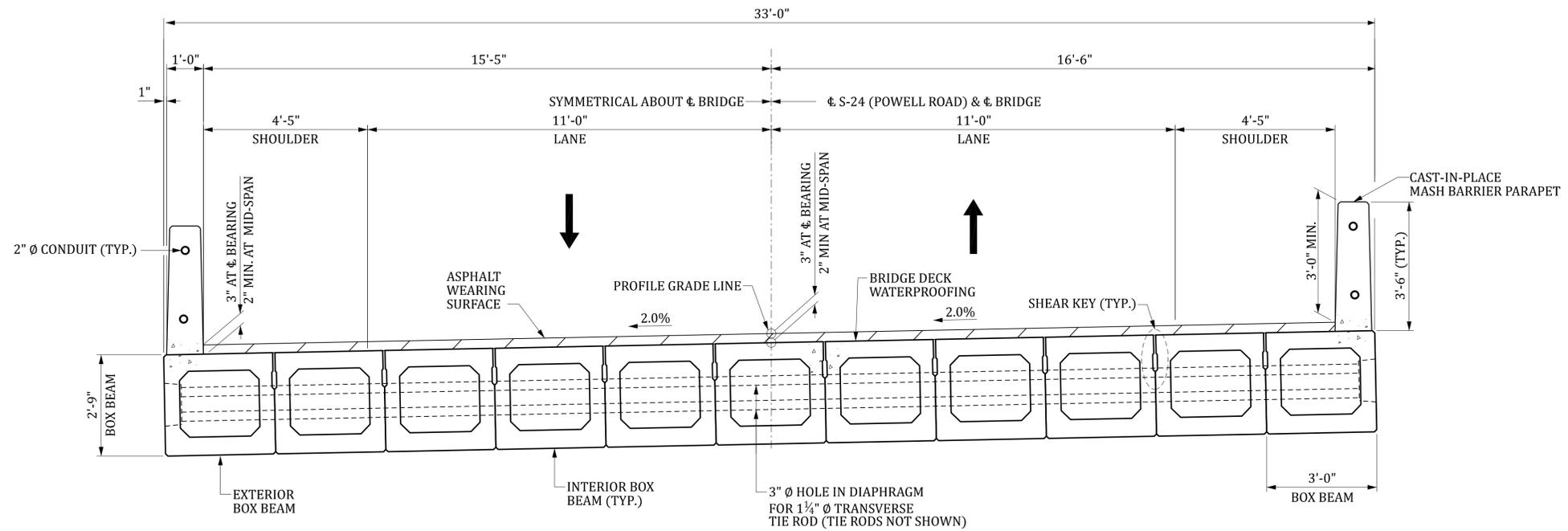
PLANS PREPARED BY

Michael Baker INTERNATIONAL

SOUTH CAROLINA
 DEPARTMENT OF TRANSPORTATION

BRIDGE PLAN AND PROFILE

COUNTY: GEORGETOWN ROUTE: S-24



TYPICAL SECTION

DECK DRAINS NOT SHOWN

Tosha Blanchard 12/5/2025 6:12:38 AM b43745b01.sxd.dgn

REV.	BY	CHK.	DATE	DESCRIPTION OF REVISION

REVIEWED	BY	CHK.	DATE

**NOT FOR CONSTRUCTION
SUBJECT TO CHANGE**

PLANS PREPARED BY	Michael Baker INTERNATIONAL
SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION	
TYPICAL SECTION	
COUNTY: GEORGETOWN	ROUTE: S-24

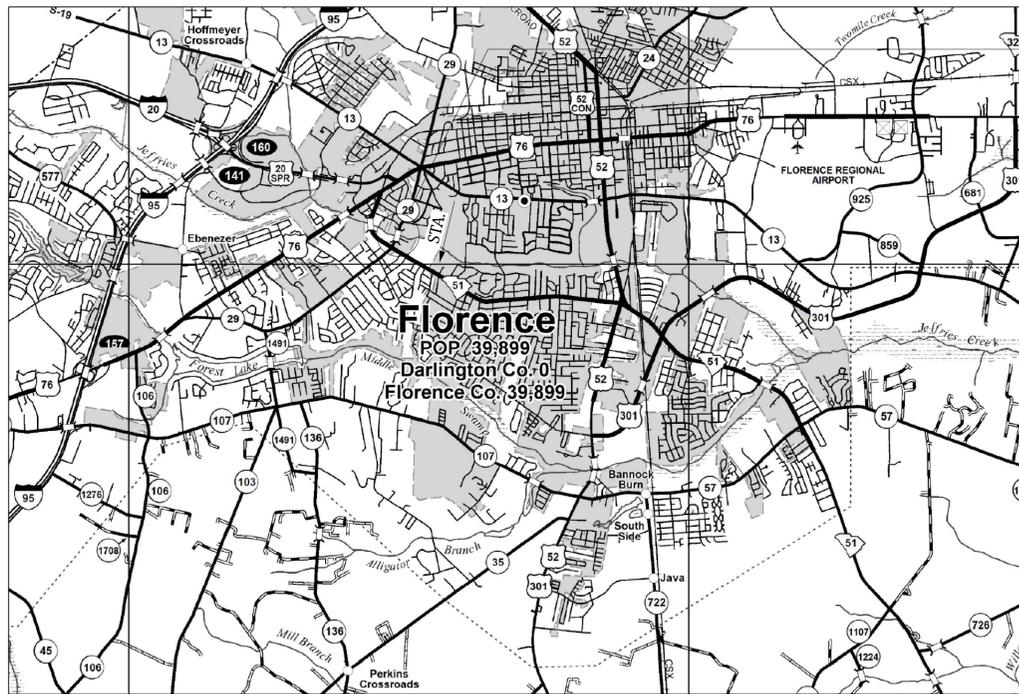
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3. TYPICAL SECTION

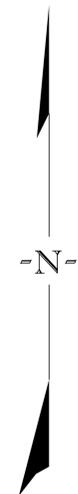


SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION

CONCEPTUAL PLANS FOR FLORENCE COUNTY PROJECT ID P043741 ROAD S-29 (S. CASHUA DRIVE) REPLACE BRIDGE OVER JEFFERIES CREEK



SITE LOCATION



APPROXIMATE LOCATION OF BRIDGE IS
LATITUDE 34° - 10' - 41" N
LONGITUDE 79° - 48' - 34" W

LAYOUT

3 DAYS BEFORE DIGGING IN
SOUTH CAROLINA
CALL 811
SOUTH CAROLINA 811 (SC811)
WWW.SC811.COM
ALL UTILITIES MAY NOT BE A MEMBER OF SC811

ASSET ID _____

*ASSET ID TO BE REQUESTED
AT THE PRELIMINARY DESIGN
PHASE.

NET LENGTH OF ROADWAY	0.000	MILES
NET LENGTH OF BRIDGES	0.036	MILES
NET LENGTH OF PROJECT	0.036	MILES
LENGTH OF EXCEPTIONS	0.000	MILES
GROSS LENGTH OF PROJECT	0.036	MILES

TRAFFIC DATA			
2025	ADT	13,000	V.P.D.
2045	ADT	16,000	V.P.D.
TRUCKS		2	%

NOTE: EXCEPT AS MAY OTHERWISE BE SPECIFIED ON THE PLANS OR IN THE SPECIAL PROVISIONS, ALL MATERIALS AND WORKMANSHIP ON THIS PROJECT SHALL CONFORM TO THE SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION AND THE STANDARD DRAWINGS FOR ROAD CONSTRUCTION IN EFFECT AT THE TIME OF LETTING.

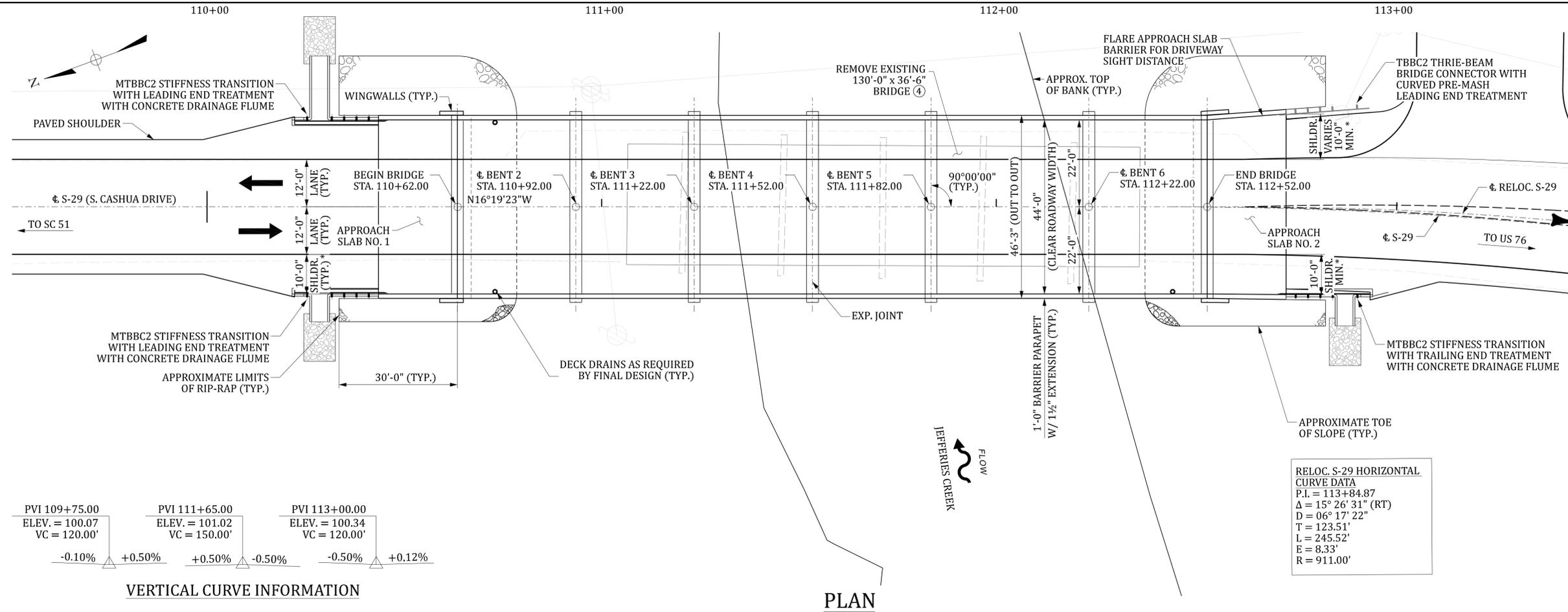
CONSULTING ENGINEERING FIRM

Michael Baker
INTERNATIONAL

ENGINEER OF RECORD

NOT FOR CONSTRUCTION
SUBJECT TO CHANGE

REVIEWED: DR. OMS BY: CHK. DATE: 1-26
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GENERAL NOTES:

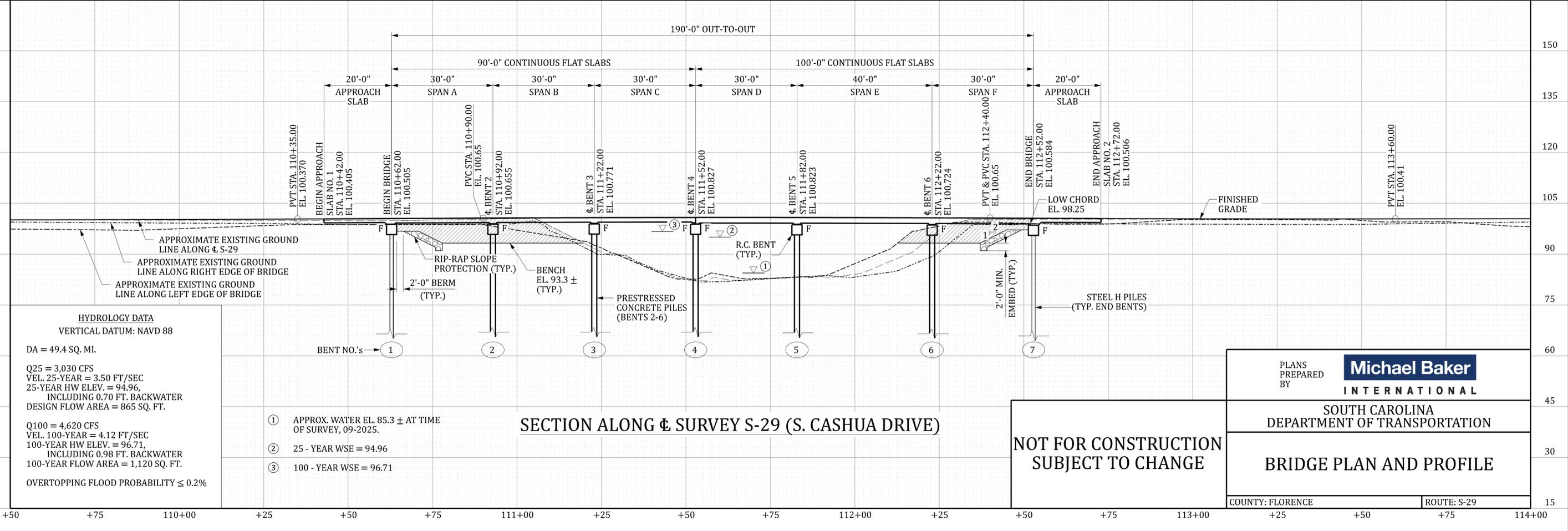
- FOR LOCATION OF UTILITIES, SEE ROADWAY PLANS.
- BORING LOGS TO BE PROVIDED IN PRELIMINARY PLANS.
- EXISTING CONCRETE AND TIMBER BRIDGE TO BE REMOVED AND DISPOSED OF BY THE BRIDGE CONTRACTOR IN ACCORDANCE WITH SECTION 202.3.2 OF THE STANDARD SPECIFICATIONS.
- FOUNDATION TYPES AND SIZES SHOWN ARE PRELIMINARY AND SUBJECT TO CHANGE IN FINAL DESIGN BASED ON RESULTS OF GEOTECHNICAL INVESTIGATION.
- * ADDITIONAL 3'-9" SHOULDER WIDTH WHEN GUARDRAIL IS PRESENT
- AREA OF EXISTING GROUND TO BE REMOVED, SEE ROADWAY PLANS.
- F - DENOTES FIXED BEARING

RELOC. S-29 HORIZONTAL CURVE DATA
 P.I. = 113+84.87
 $\Delta = 15^\circ 26' 31''$ (RT)
 $D = 06^\circ 17' 22''$
 $T = 123.51'$
 $L = 245.52'$
 $E = 8.33'$
 $R = 911.00'$

VERTICAL CURVE INFORMATION

PVI	ELEV.	VC	GRADE
109+75.00	100.07	120.00'	-0.10%
111+65.00	101.02	150.00'	+0.50%
113+00.00	100.34	120.00'	-0.50%
			+0.12%

REV.	BY	CHK.	DATE	DESCRIPTION OF REVISION



- ① APPROX. WATER EL. 85.3 ± AT TIME OF SURVEY, 09-2025.
- ② 25 - YEAR WSE = 94.96
- ③ 100 - YEAR WSE = 96.71

SECTION ALONG ϕ SURVEY S-29 (S. CASHUA DRIVE)

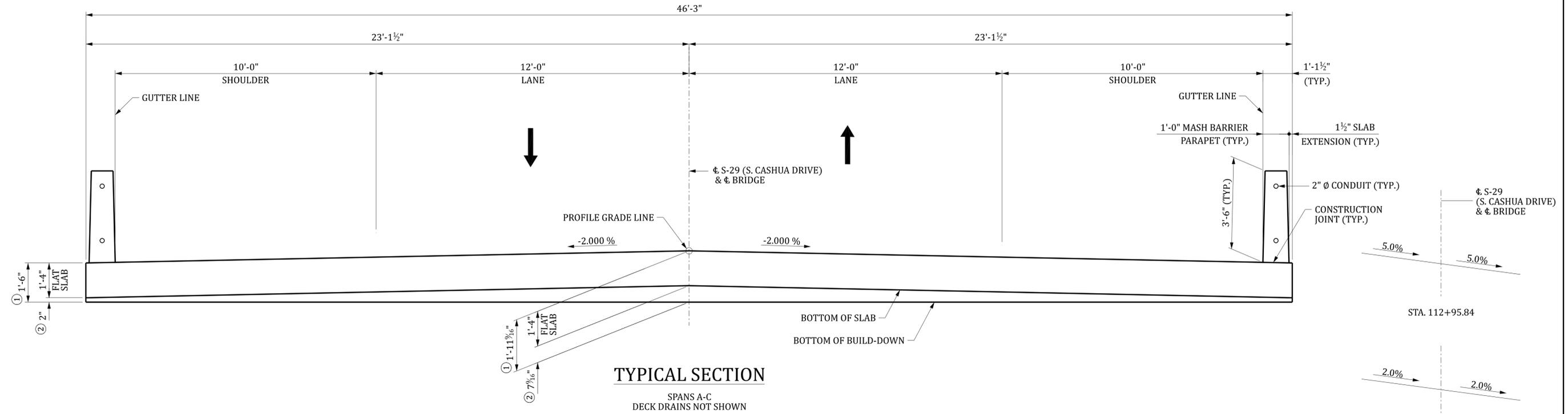
**NOT FOR CONSTRUCTION
 SUBJECT TO CHANGE**

PLANS PREPARED BY **Michael Baker INTERNATIONAL**

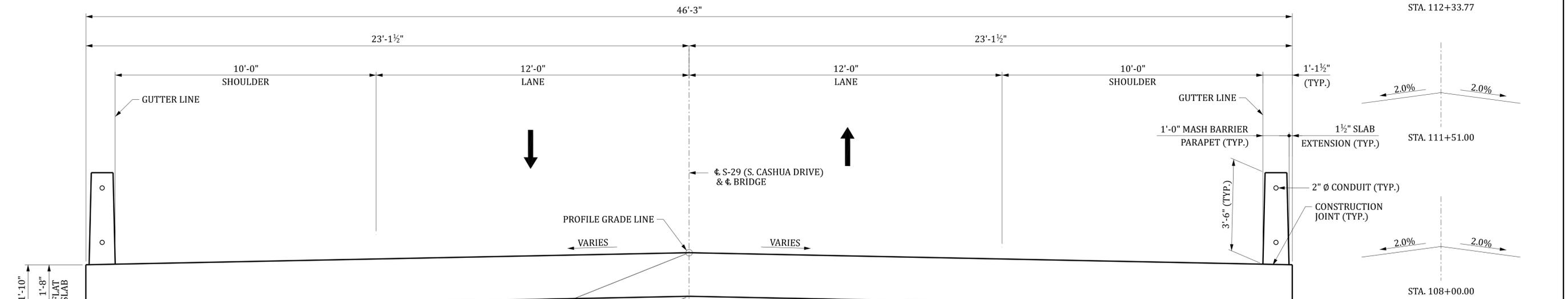
SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION

BRIDGE PLAN AND PROFILE

COUNTY: FLORENCE ROUTE: S-29



TYPICAL SECTION
SPANS A-C
DECK DRAINS NOT SHOWN



TYPICAL SECTION
SPANS D-F
DECK DRAINS NOT SHOWN

METHOD OF SUPERELEVATION

- ① AT ϕ BENT.
- ② INCLUDES 1/2" ELASTOMERIC BEARING PAD.

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REV.	BY	CHK.	DATE	DESCRIPTION OF REVISION

REVIEWED	BY	CHK.	DATE

**NOT FOR CONSTRUCTION
SUBJECT TO CHANGE**

PLANS PREPARED BY	Michael Baker INTERNATIONAL
SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION	
TYPICAL SECTION	
COUNTY: FLORENCE	ROUTE: S-29

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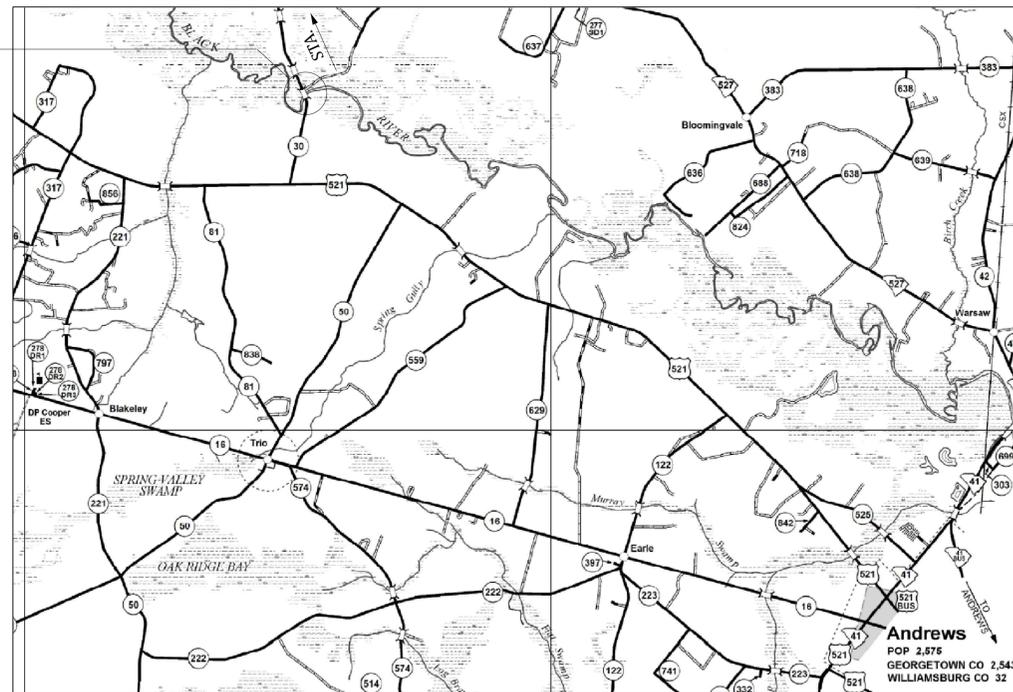


SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION



CONCEPTUAL PLANS FOR WILLIAMSBURG COUNTY PROJECT ID P043746 S-30 (SIMS REACH ROAD) REPLACE BRIDGE OVER BLACK RIVER

SITE LOCATION



APPROXIMATE LOCATION OF BRIDGE IS	
LATITUDE	33° - 33' - 20" N
LONGITUDE	79° - 42' - 27" W

LAYOUT

3 DAYS BEFORE DIGGING IN
SOUTH CAROLINA
CALL 811
SOUTH CAROLINA 811 (SC811)
WWW.SC811.COM
ALL UTILITIES MAY NOT BE A MEMBER OF SC811

ASSET ID _____*
*ASSET ID TO BE REQUESTED
AT THE PRELIMINARY DESIGN
PHASE.

NET LENGTH OF ROADWAY	0.000	MILES
NET LENGTH OF BRIDGES	0.095	MILES
NET LENGTH OF PROJECT	0.095	MILES
LENGTH OF EXCEPTIONS	0.000	MILES
GROSS LENGTH OF PROJECT	0.095	MILES

TRAFFIC DATA		
2025	ADT	1100 V.P.D.
2045	ADT	1500 V.P.D.
TRUCKS	8	%

NOTE: EXCEPT AS MAY OTHERWISE BE SPECIFIED ON THE PLANS OR IN THE SPECIAL PROVISIONS, ALL MATERIALS AND WORKMANSHIP ON THIS PROJECT SHALL CONFORM TO THE SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION AND THE STANDARD DRAWINGS FOR ROAD CONSTRUCTION IN EFFECT AT THE TIME OF LETTING.

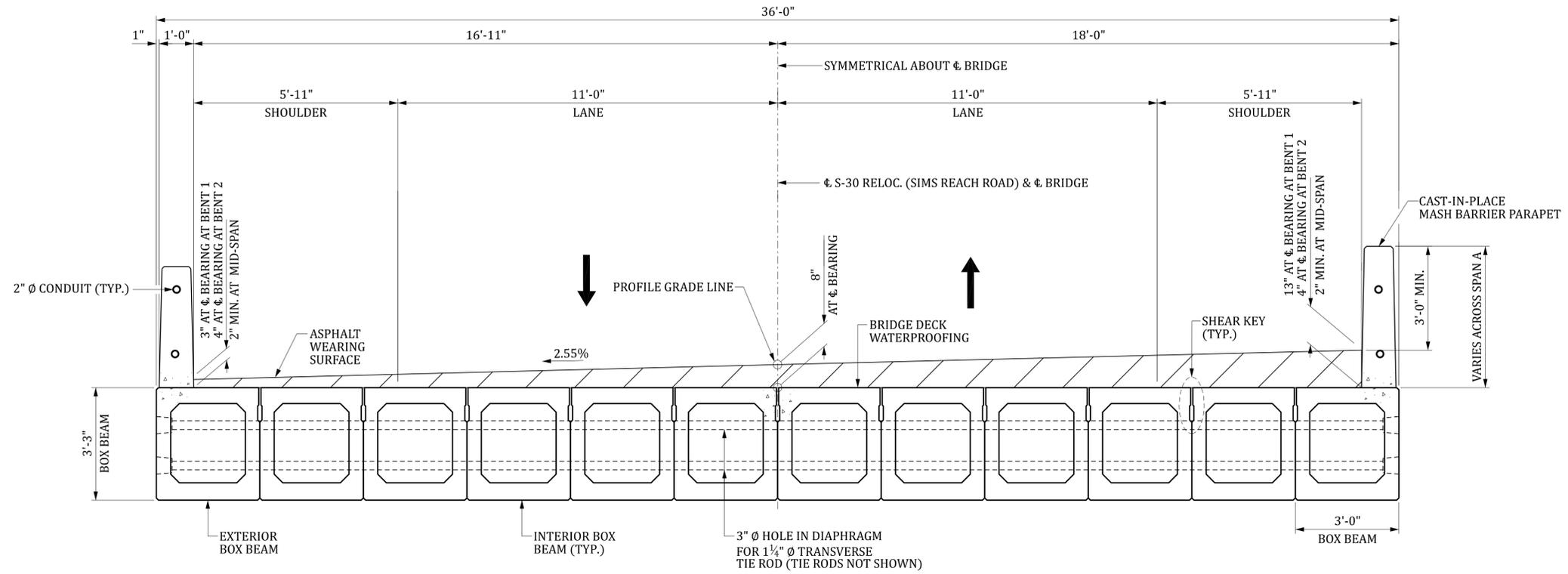
CONSULTING ENGINEERING FIRM

Michael Baker
INTERNATIONAL

ENGINEER OF RECORD

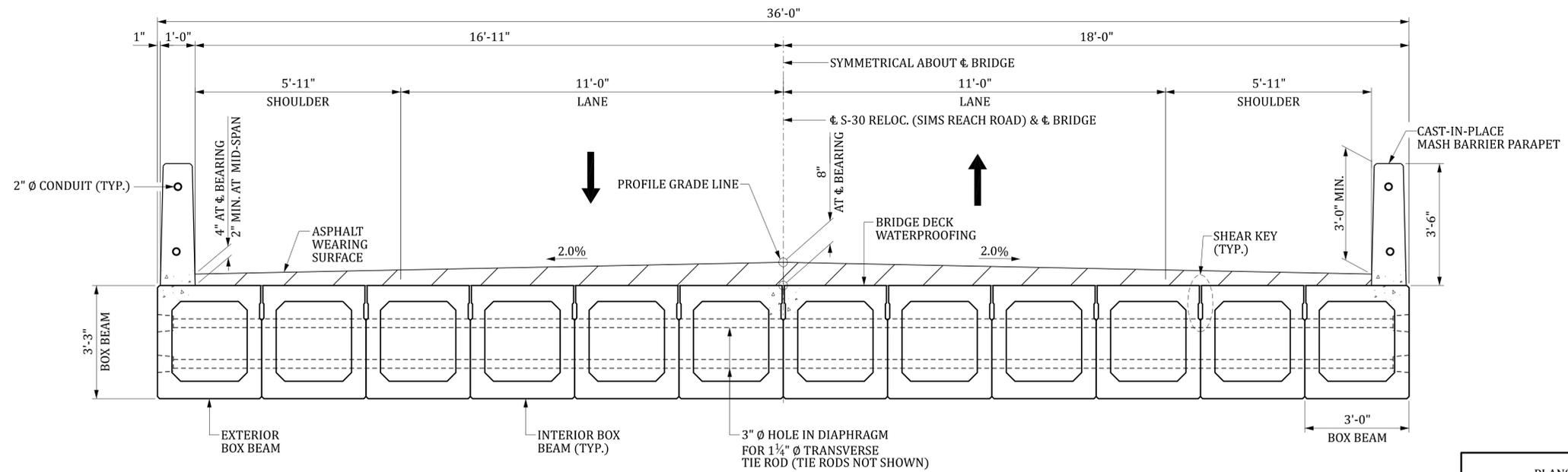
NOT FOR CONSTRUCTION
SUBJECT TO CHANGE

REVIEWED: DR. TB BY CHK. DATE: 11-25
 TOSHA: Blanchard 11/14/2025 12:10:34 PM b43746b01ts.dgn



TYPICAL SECTION - BEGIN BRIDGE

DECK DRAINS NOT SHOWN



TYPICAL SECTION - BENT 2 TO END BRIDGE

DECK DRAINS NOT SHOWN

Tosha Blanchard 11/14/2025 12:11:05 PM b43746b01.sxd.dgn

REV.	BY	CHK.	DATE	DESCRIPTION OF REVISION

REVIEWED	BY	CHK.	DATE

**NOT FOR CONSTRUCTION
SUBJECT TO CHANGE**

PLANS PREPARED BY	Michael Baker INTERNATIONAL
SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION	
TYPICAL SECTION	
COUNTY: WILLIAMSBURG	ROUTE: S-30

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3. TYPICAL SECTION



SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION



CONCEPTUAL PLANS FOR GEORGETOWN COUNTY PROJECT ID P043744 ROAD S-31 (MOUNT ZION AVE) REPLACE BRIDGE OVER LANE CREEK



APPROXIMATE LOCATION OF BRIDGE IS	
LATITUDE	33° - 14' - 53" N
LONGITUDE	79° - 24' - 21" W

SITE LOCATION

LAYOUT

3 DAYS BEFORE DIGGING IN
SOUTH CAROLINA
CALL 811
SOUTH CAROLINA 811 (SC811)
WWW.SC811.COM
ALL UTILITIES MAY NOT BE A MEMBER OF SC811

ASSET ID _____*
*ASSET ID TO BE REQUESTED
AT THE PRELIMINARY DESIGN
PHASE.

NET LENGTH OF ROADWAY	0.000	MILES
NET LENGTH OF BRIDGES	0.013	MILES
NET LENGTH OF PROJECT	0.013	MILES
LENGTH OF EXCEPTIONS	0.000	MILES
GROSS LENGTH OF PROJECT	0.013	MILES

CONSULTING ENGINEERING FIRM

Michael Baker
INTERNATIONAL

ENGINEER OF RECORD

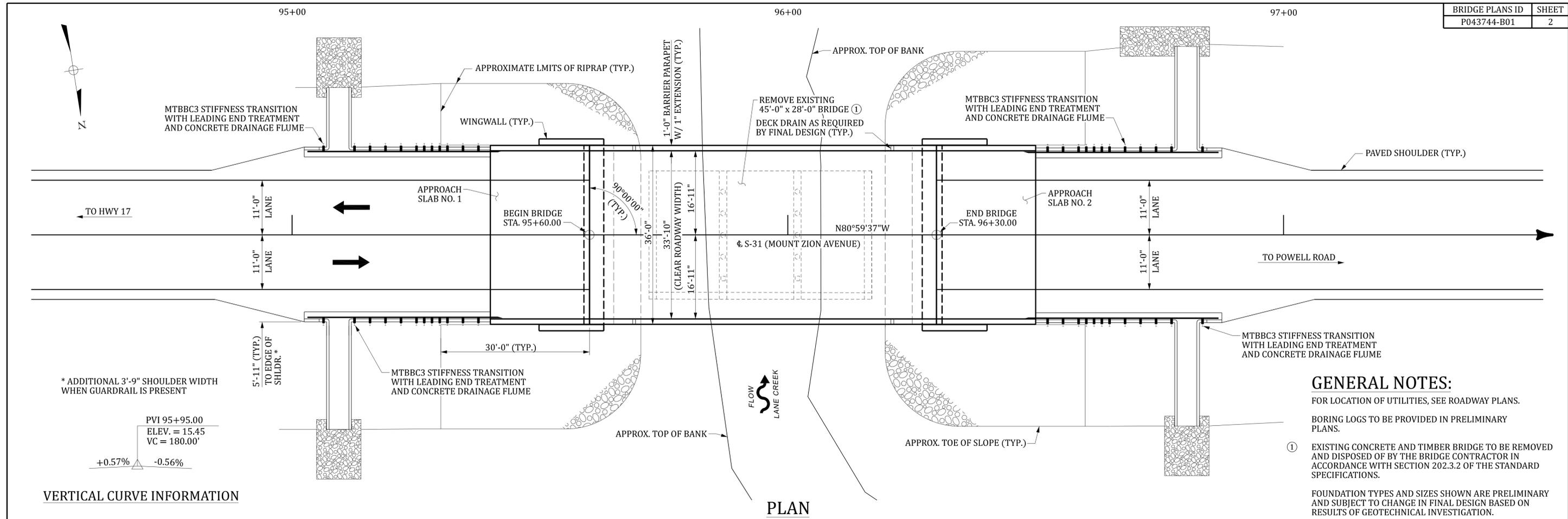
NOT FOR CONSTRUCTION
SUBJECT TO CHANGE

TRAFFIC DATA			
YEAR	ADT	V.P.D.	
2025	1700		
2045	2100		
TRUCKS		8	%

NOTE: EXCEPT AS MAY OTHERWISE BE SPECIFIED ON THE PLANS OR IN THE SPECIAL PROVISIONS, ALL MATERIALS AND WORKMANSHIP ON THIS PROJECT SHALL CONFORM TO THE SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION AND THE STANDARD DRAWINGS FOR ROAD CONSTRUCTION IN EFFECT AT THE TIME OF LETTING.

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REVIEWED	TB	BH	12-25
DR.	BY	CHK.	DATE



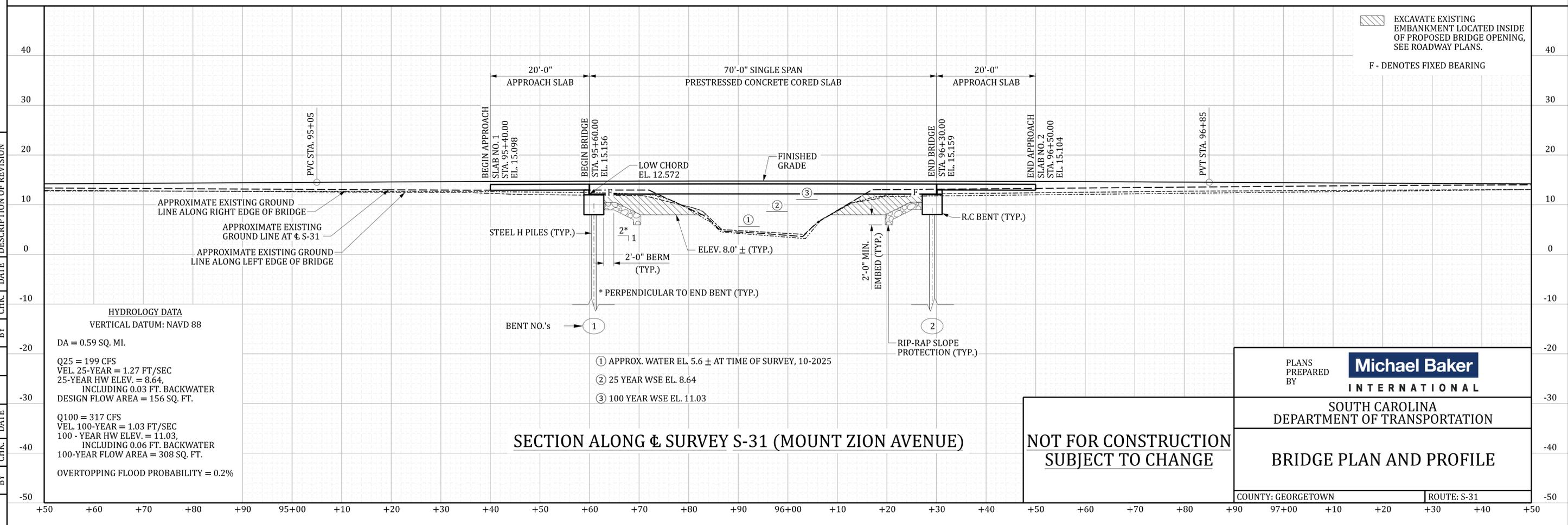
GENERAL NOTES:

FOR LOCATION OF UTILITIES, SEE ROADWAY PLANS.

BORING LOGS TO BE PROVIDED IN PRELIMINARY PLANS.

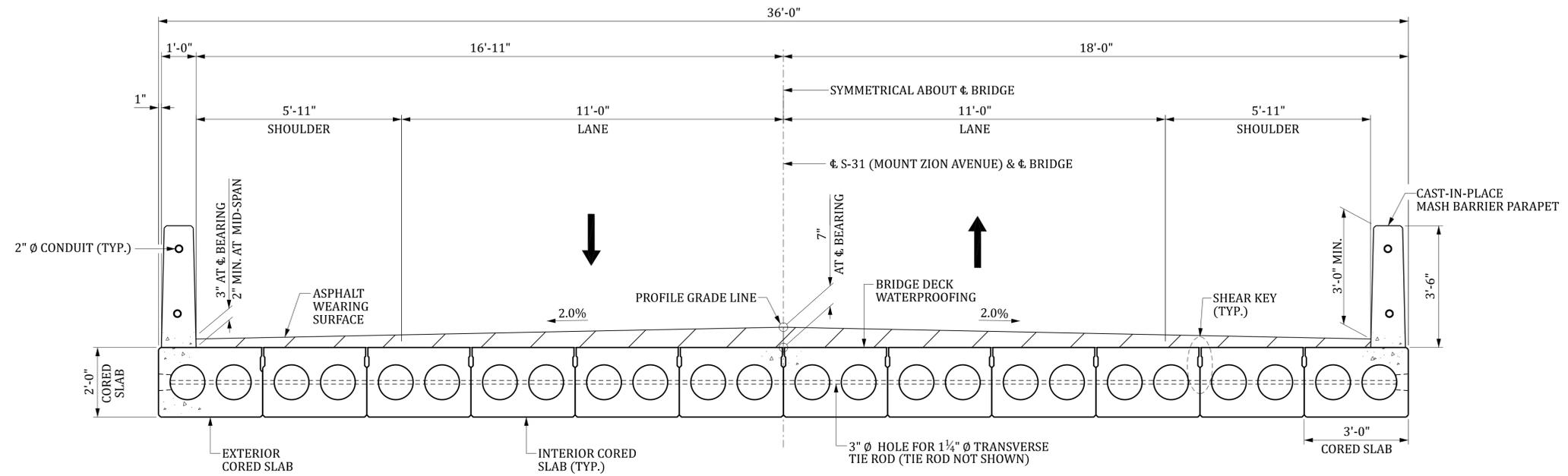
① EXISTING CONCRETE AND TIMBER BRIDGE TO BE REMOVED AND DISPOSED OF BY THE BRIDGE CONTRACTOR IN ACCORDANCE WITH SECTION 202.3.2 OF THE STANDARD SPECIFICATIONS.

FOUNDATION TYPES AND SIZES SHOWN ARE PRELIMINARY AND SUBJECT TO CHANGE IN FINAL DESIGN BASED ON RESULTS OF GEOTECHNICAL INVESTIGATION.



REV.	BY	CHK.	DATE	DESCRIPTION OF REVISION

REVIEWED	QUAN.	TB	BH	DATE



TYPICAL SECTION

DECK DRAINS NOT SHOWN

Tosha.Blanchard 12/8/2025 9:49:11 AM b43744b01.sxd.dgn

REV.	BY	CHK.	DATE	DESCRIPTION OF REVISION

REVIEWED	BY	CHK.	DATE

**NOT FOR CONSTRUCTION
SUBJECT TO CHANGE**

PLANS PREPARED BY	Michael Baker INTERNATIONAL
SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION	
TYPICAL SECTION	
COUNTY: GEORGETOWN	ROUTE: S-31

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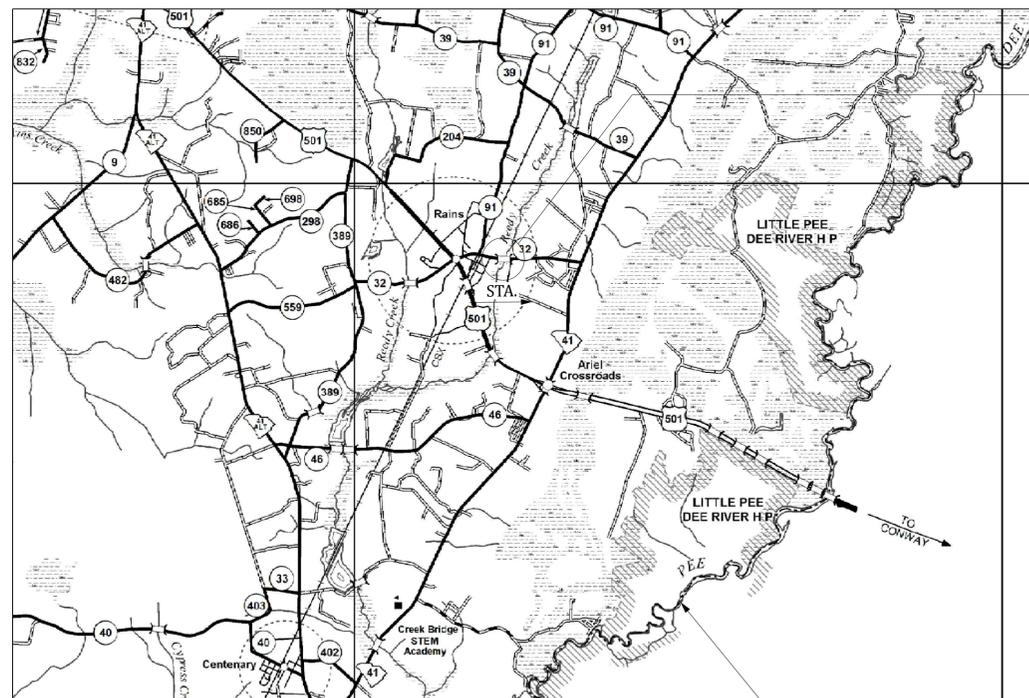
SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION

CONCEPTUAL PLANS FOR MARION COUNTY PROJECT ID P043735 S-32 (GRADY ROAD) REPLACE BRIDGE OVER REEDY CREEK

DESIGN REFERENCE FOR THESE PLANS IS THE:

LVB

SUPPLEMENTAL DESIGN CRITERIA FOR
LOW VOLUME BRIDGE REPLACEMENT PROJECTS



SITE LOCATION

APPROXIMATE LOCATION OF BRIDGE IS
LATITUDE 34°- 05' - 48" N
LONGITUDE 79°- 18' - 41" W

LAYOUT

COUNTY LINE

3 DAYS BEFORE DIGGING IN
SOUTH CAROLINA
CALL 811
SOUTH CAROLINA 811 (SC811)
WWW.SC811.COM
ALL UTILITIES MAY NOT BE A MEMBER OF SC811

ASSET ID _____*_____

*ASSET ID TO BE REQUESTED
AT THE PRELIMINARY DESIGN
PHASE.

NET LENGTH OF ROADWAY	0.000	MILES
NET LENGTH OF BRIDGES	0.017	MILES
NET LENGTH OF PROJECT	0.017	MILES
LENGTH OF EXCEPTIONS	0.000	MILES
GROSS LENGTH OF PROJECT	0.017	MILES

NOTE: EXCEPT AS MAY OTHERWISE BE SPECIFIED ON THE PLANS OR IN THE SPECIAL PROVISIONS, ALL MATERIALS AND WORKMANSHIP ON THIS PROJECT SHALL CONFORM TO THE SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION AND THE STANDARD DRAWINGS FOR ROAD CONSTRUCTION IN EFFECT AT THE TIME OF LETTING.

CONSULTING ENGINEERING FIRM

Michael Baker
INTERNATIONAL

ENGINEER OF RECORD

NOT FOR CONSTRUCTION
SUBJECT TO CHANGE

TRAFFIC DATA

2025 ADT 1,000 V.P.D.
2045 ADT 2,000 V.P.D.
TRUCKS 13 %

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REVIEWED	CIC	JRK	11-25
DR.	BY	CHK.	DATE

28+00

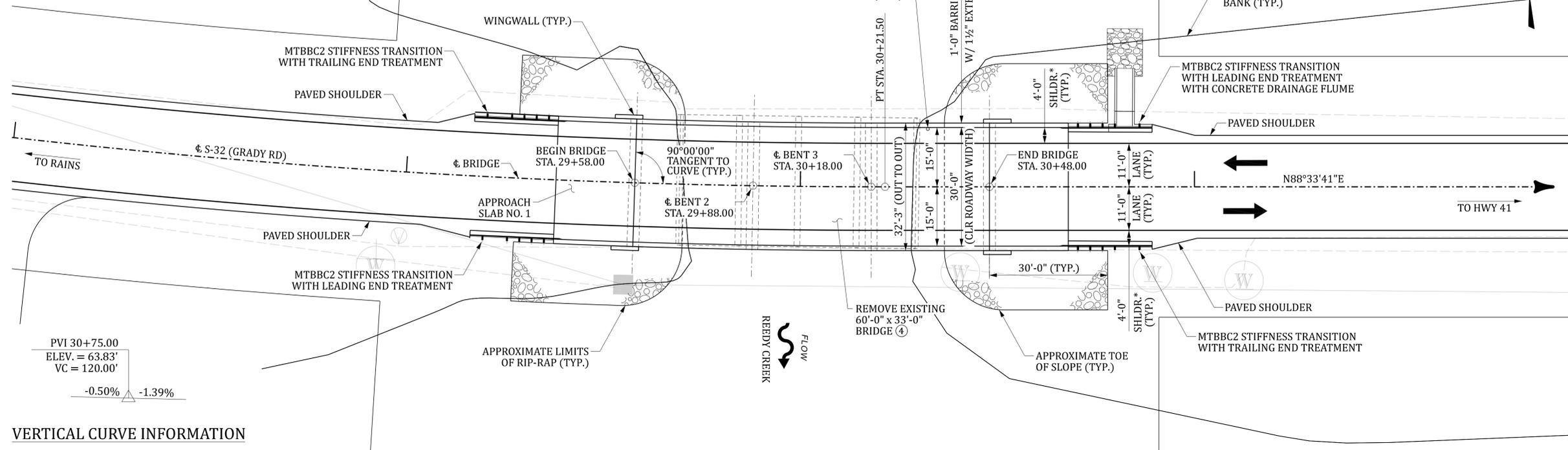
29+00

30+00

31+00

S-32 CURVE DATA
P.I. = 27+94.33
 $\Delta = 13^\circ 16' 14''$ (LT)
 $D = 2^\circ 54' 28''$
 $T = 229.22'$
 $L = 456.39'$
 $E = 13.29'$
 $R = 1,970.46'$

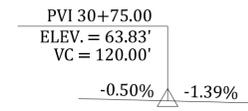
SUPERELEVATION TRANSITION		
STATION	LEFT	RIGHT
25+87.00	-3.40%	3.40%
30+18.00	-3.40%	3.40%
30+44.00	-2.00%	2.00%
30+85.00	-2.00%	0.00%
31+20.00	-2.00%	-2.00%



GENERAL NOTES:

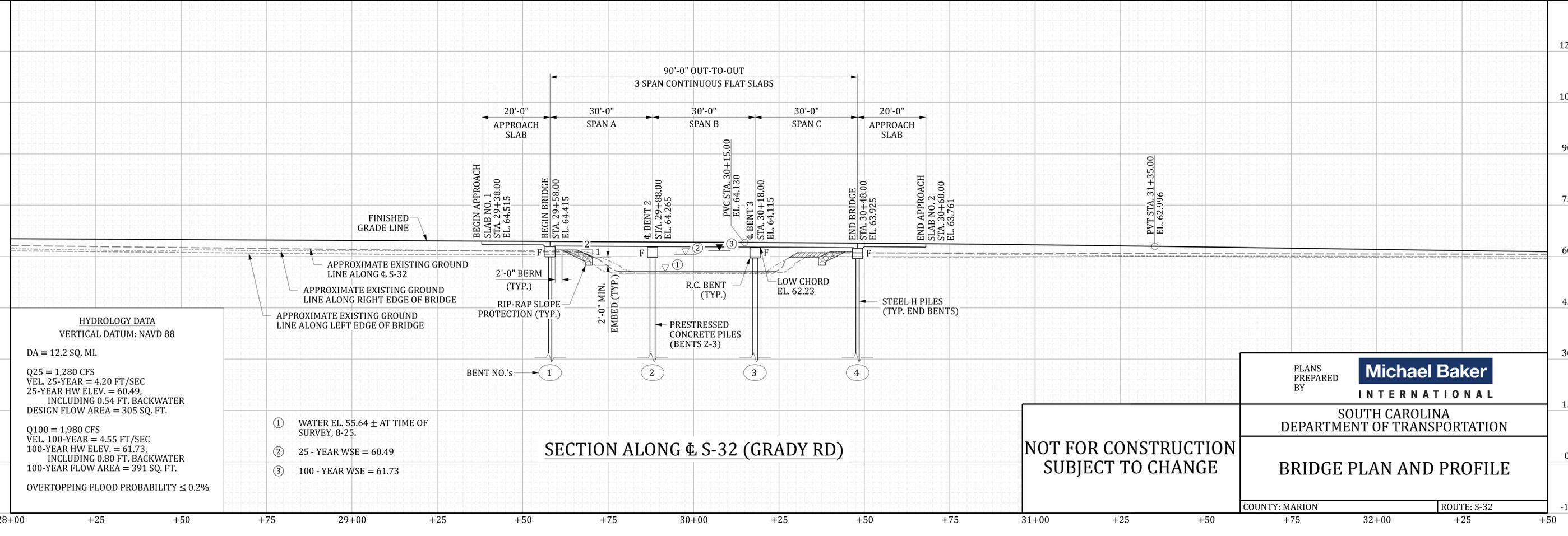
- FOR LOCATION OF UTILITIES, SEE ROADWAY PLANS.
- BORING LOGS TO BE PROVIDED IN PRELIMINARY PLANS.
- EXISTING CONCRETE AND TIMBER BRIDGE TO BE REMOVED AND DISPOSED OF BY THE BRIDGE CONTRACTOR IN ACCORDANCE WITH SECTION 202.3.2 OF THE STANDARD SPECIFICATIONS.
- FOUNDATION TYPES AND SIZES SHOWN ARE PRELIMINARY AND SUBJECT TO CHANGE IN FINAL DESIGN BASED ON RESULTS OF GEOTECHNICAL INVESTIGATION.
- * ADDITIONAL 3'-9" SHOULDER WIDTH WHEN GUARDRAIL IS PRESENT
- AREA OF EXISTING GROUND TO BE REMOVED, SEE ROADWAY PLANS.
- F - DENOTES FIXED BEARING

VERTICAL CURVE INFORMATION



PLAN

REV.	BY	CHK.	DATE	DESCRIPTION OF REVISION



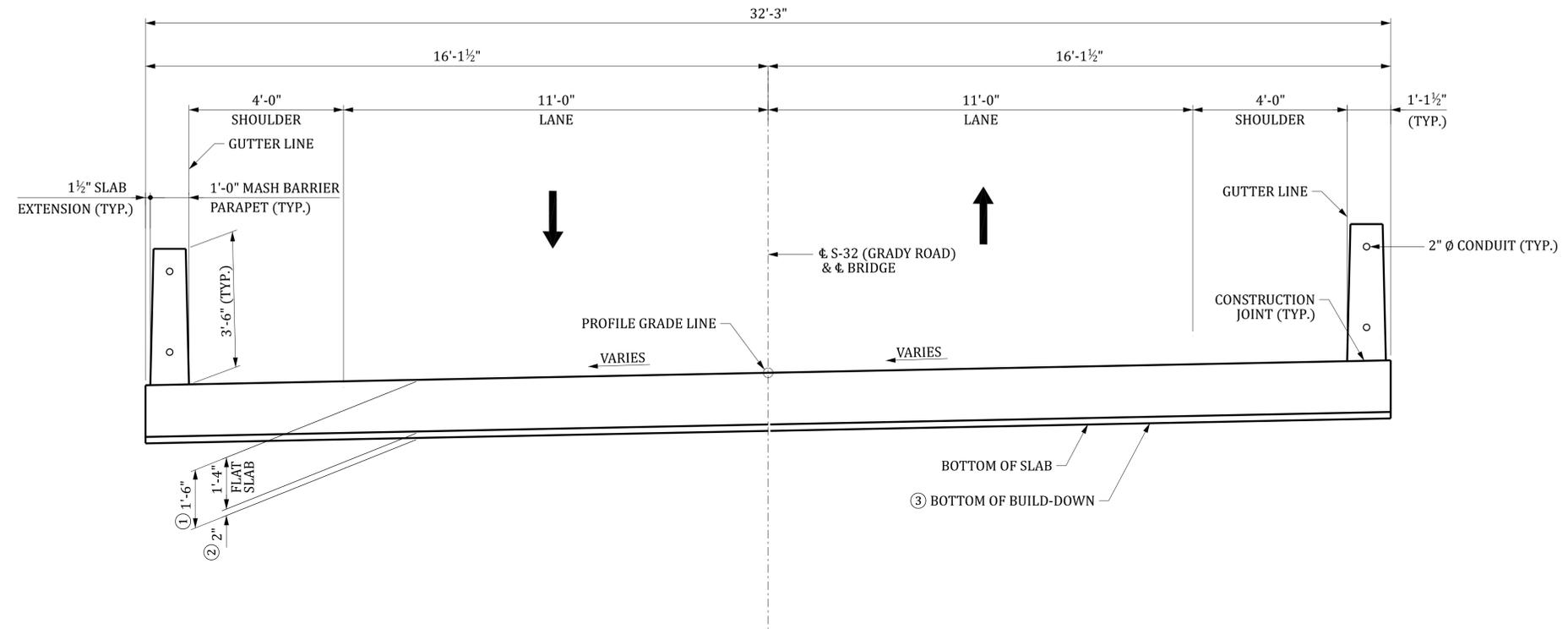
HYDROLOGY DATA
VERTICAL DATUM: NAVD 88
DA = 12.2 SQ. MI.
Q25 = 1,280 CFS
VEL. 25-YEAR = 4.20 FT/SEC
25-YEAR HW ELEV. = 60.49,
INCLUDING 0.54 FT. BACKWATER
DESIGN FLOW AREA = 305 SQ. FT.
Q100 = 1,980 CFS
VEL. 100-YEAR = 4.55 FT/SEC
100-YEAR HW ELEV. = 61.73,
INCLUDING 0.80 FT. BACKWATER
100-YEAR FLOW AREA = 391 SQ. FT.
OVERTOPPING FLOOD PROBABILITY $\leq 0.2\%$

- ① WATER EL. 55.64 ± AT TIME OF SURVEY, 8-25.
- ② 25 - YEAR WSE = 60.49
- ③ 100 - YEAR WSE = 61.73

SECTION ALONG ϕ S-32 (GRADY RD)

**NOT FOR CONSTRUCTION
SUBJECT TO CHANGE**

PLANS PREPARED BY
Michael Baker INTERNATIONAL
SOUTH CAROLINA
DEPARTMENT OF TRANSPORTATION
BRIDGE PLAN AND PROFILE
COUNTY: MARION ROUTE: S-32



TYPICAL SECTION

DECK DRAINS NOT SHOWN

- ① AT ϕ BENT.
- ② INCLUDES 1/2" ELASTOMERIC BEARING PAD.
- ③ TOP OF BENT CAPS MATCH THE ROADWAY CROSS SLOPE.

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REV.	BY	CHK.	DATE	DESCRIPTION OF REVISION

REVIEWED	QUAN.	DR.	DES.	BY	CHK.	DATE

**NOT FOR CONSTRUCTION
SUBJECT TO CHANGE**

PLANS PREPARED BY	Michael Baker INTERNATIONAL
SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION	
TYPICAL SECTION	
COUNTY: MARION	ROUTE: S-32

INDEX OF SHEETS

1. TITLE SHEET
2. BRIDGE PLAN AND PROFILE
3. TYPICAL SECTIONS



SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION



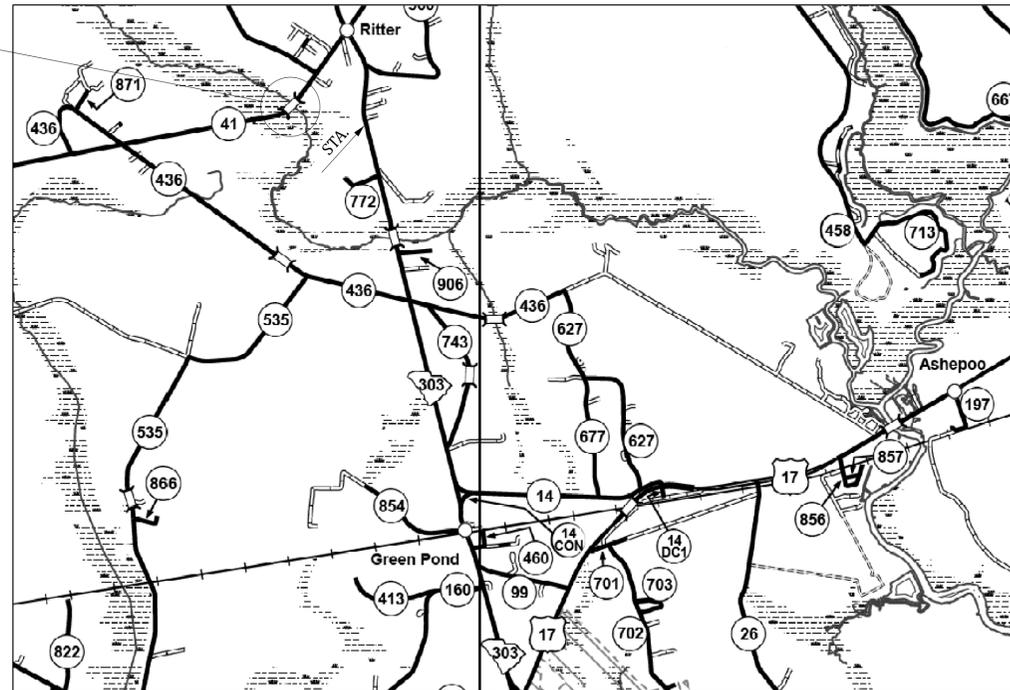
CONCEPTUAL PLANS FOR COLLETON COUNTY PROJECT ID P043754 ROAD S-41 (RITER ROAD) REPLACE BRIDGE OVER ASHEPOO RIVER

DESIGN REFERENCE FOR THESE PLANS IS THE:

LVB

SUPPLEMENTAL DESIGN CRITERIA FOR
LOW VOLUME BRIDGE REPLACEMENT PROJECTS

SITE LOCATION



LAYOUT

APPROXIMATE LOCATION OF BRIDGE IS

LATITUDE 32° - 46' - 52" N
LONGITUDE 80° - 38' - 17" W

- N -

3 DAYS BEFORE DIGGING IN
SOUTH CAROLINA
CALL 811
SOUTH CAROLINA 811 (SC811)
WWW.SC811.COM
ALL UTILITIES MAY NOT BE A MEMBER OF SC811

ASSET ID _____

*ASSET ID TO BE REQUESTED
AT THE PRELIMINARY DESIGN
PHASE.

NET LENGTH OF ROADWAY	0.000	MILES
NET LENGTH OF BRIDGES	0.056	MILES
NET LENGTH OF PROJECT	0.056	MILES
LENGTH OF EXCEPTIONS	0.000	MILES
GROSS LENGTH OF PROJECT	0.056	MILES

TRAFFIC DATA

2025 ADT 750 V.P.D.

2045 ADT 950 V.P.D.

TRUCKS 12 %

NOTE: EXCEPT AS MAY OTHERWISE BE SPECIFIED ON THE PLANS OR IN THE SPECIAL PROVISIONS, ALL MATERIALS AND WORKMANSHIP ON THIS PROJECT SHALL CONFORM TO THE SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION AND THE STANDARD DRAWINGS FOR ROAD CONSTRUCTION IN EFFECT AT THE TIME OF LETTING.

CONSULTING ENGINEERING FIRM

Michael Baker
INTERNATIONAL

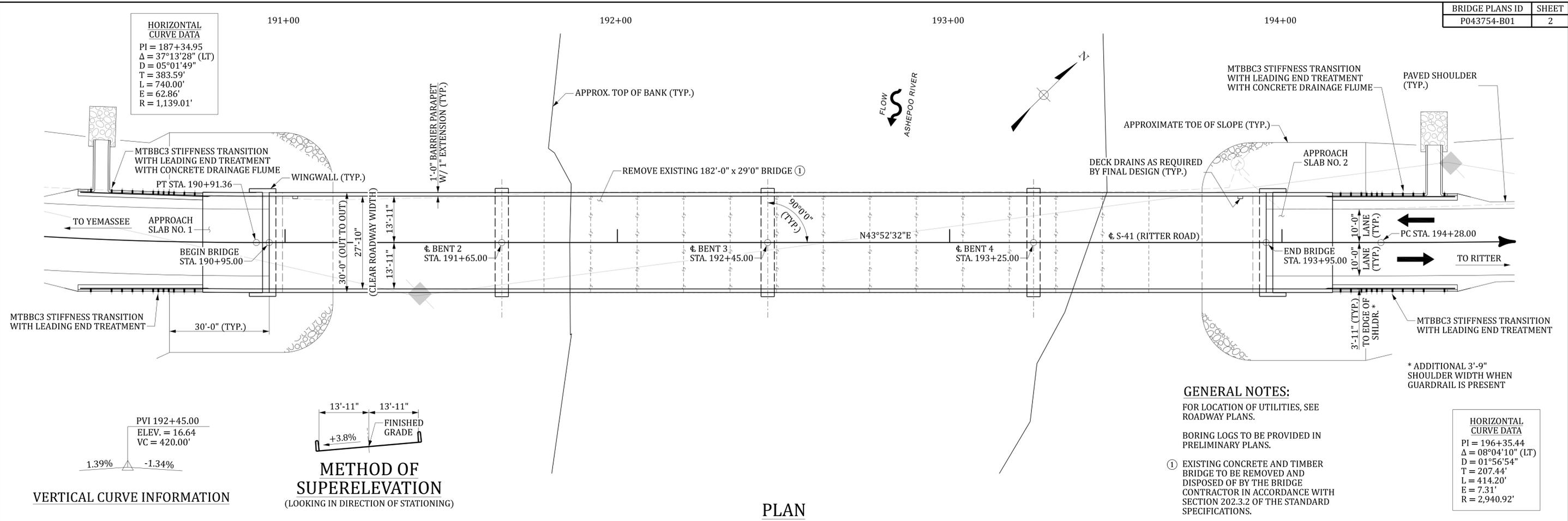
ENGINEER OF RECORD

**NOT FOR CONSTRUCTION
SUBJECT TO CHANGE**

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REVIEWED	TB	JRM	10-25
DR.	BY	CHK.	DATE

HORIZONTAL CURVE DATA
 PI = 187+34.95
 Δ = 37°13'28" (LT)
 D = 05°01'49"
 T = 383.59'
 L = 740.00'
 E = 62.86'
 R = 1,139.01'



VERTICAL CURVE INFORMATION

METHOD OF SUPERELEVATION
 (LOOKING IN DIRECTION OF STATIONING)

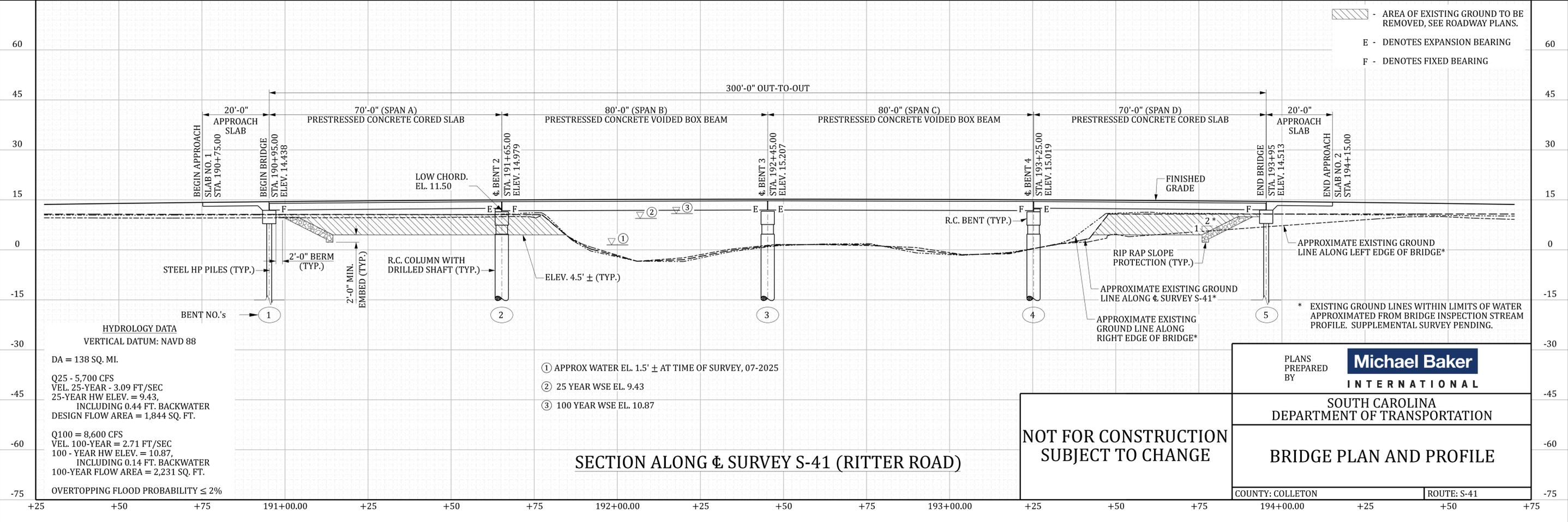
PLAN

GENERAL NOTES:

- FOR LOCATION OF UTILITIES, SEE ROADWAY PLANS.
- BORING LOGS TO BE PROVIDED IN PRELIMINARY PLANS.
- ① EXISTING CONCRETE AND TIMBER BRIDGE TO BE REMOVED AND DISPOSED OF BY THE BRIDGE CONTRACTOR IN ACCORDANCE WITH SECTION 202.3.2 OF THE STANDARD SPECIFICATIONS.

* ADDITIONAL 3'-9" SHOULDER WIDTH WHEN GUARDRAIL IS PRESENT

REV.	BY	CHK.	DATE	DESCRIPTION OF REVISION



SECTION ALONG & SURVEY S-41 (RITTER ROAD)

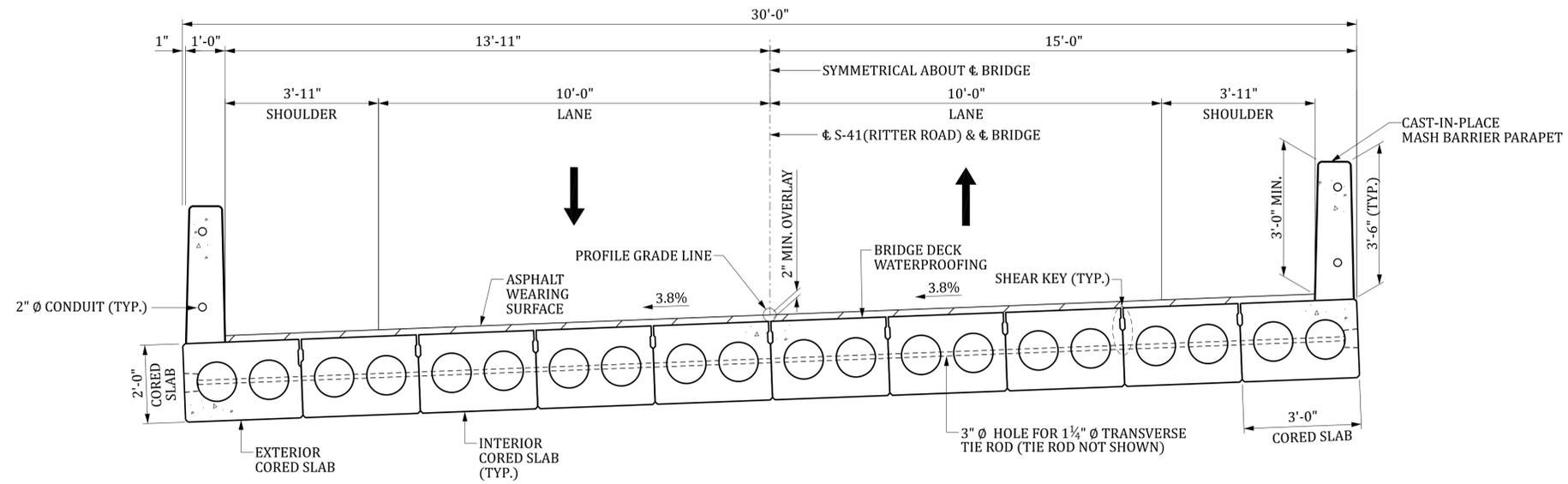
**NOT FOR CONSTRUCTION
 SUBJECT TO CHANGE**

PLANS PREPARED BY **Michael Baker INTERNATIONAL**

SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION

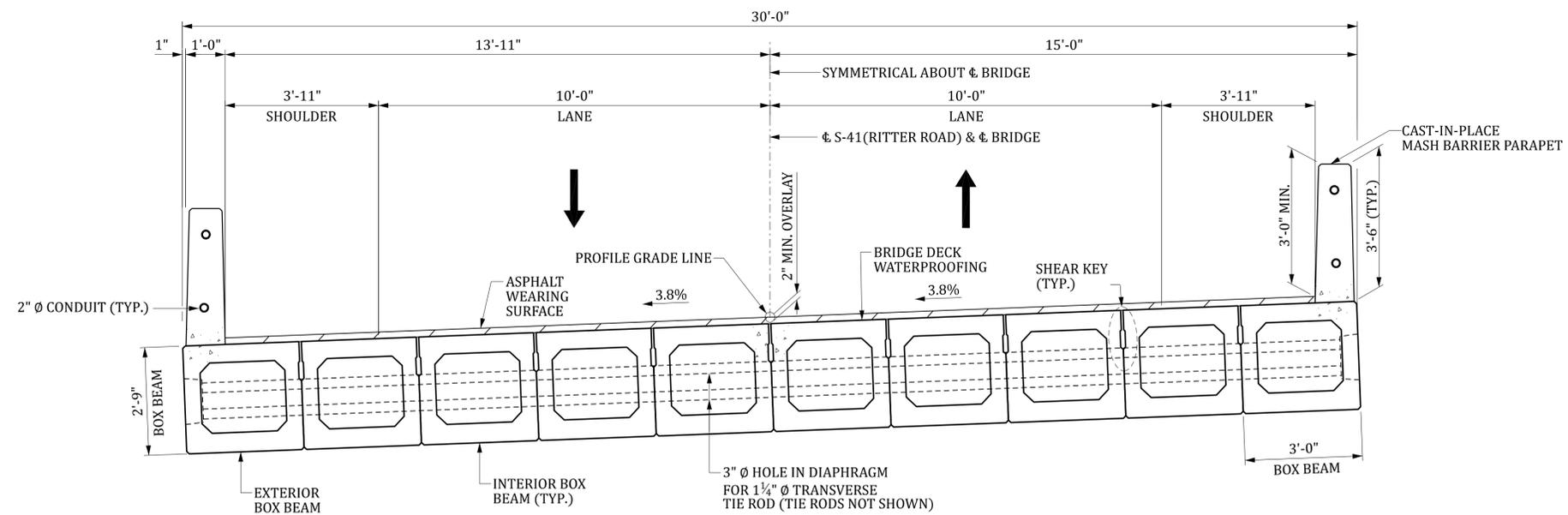
BRIDGE PLAN AND PROFILE

COUNTY: COLLETON ROUTE: S-41



TYPICAL SECTION - SPANS A & D

DECK DRAINS NOT SHOWN



TYPICAL SECTION - SPANS B & C

DECK DRAINS NOT SHOWN

SRoss 1/12/2026 3:10:10 PM b43754b01.sxd	REV.	DATE	DESCRIPTION OF REVISION
	REV.		
	REV.		

REVIEWED	BY	CHK.	DATE
QUAN.	TB	JRM	10-25
DR.			
DES.			

**NOT FOR CONSTRUCTION
SUBJECT TO CHANGE**

PLANS PREPARED BY	Michael Baker INTERNATIONAL
SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION	
TYPICAL SECTIONS	
COUNTY: COLLETON	ROUTE: S-41

INDEX OF SHEETS

1. TITLE SHEET
2. BRIDGE PLAN AND PROFILE
3. TYPICAL SECTION



SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION

CONCEPTUAL PLANS FOR FLORENCE COUNTY PROJECT ID P043737 ROAD S-57 (N OLD RIVER) REPLACE BRIDGE OVER WILLOW CREEK



SITE LOCATION

APPROXIMATE LOCATION OF BRIDGE IS
 LATITUDE 34° - 6' - 39" N
 LONGITUDE 79° - 35' - 40" W

LAYOUT

3 DAYS BEFORE DIGGING IN
 SOUTH CAROLINA
CALL 811
 SOUTH CAROLINA 811 (SC811)
 WWW.SC811.COM
 ALL UTILITIES MAY NOT BE A MEMBER OF SC811

ASSET ID _____

*ASSET ID TO BE REQUESTED
 AT THE PRELIMINARY DESIGN
 PHASE.

NET LENGTH OF ROADWAY	0.000	MILES
NET LENGTH OF BRIDGES	0.039	MILES
NET LENGTH OF PROJECT	0.039	MILES
LENGTH OF EXCEPTIONS	0.000	MILES
GROSS LENGTH OF PROJECT	0.039	MILES

TRAFFIC DATA			
2025	ADT	4000	V.P.D.
2045	ADT	5000	V.P.D.
TRUCKS		17	%

NOTE: EXCEPT AS MAY OTHERWISE BE SPECIFIED ON THE PLANS OR IN THE SPECIAL PROVISIONS, ALL MATERIALS AND WORKMANSHIP ON THIS PROJECT SHALL CONFORM TO THE SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION AND THE STANDARD DRAWINGS FOR ROAD CONSTRUCTION IN EFFECT AT THE TIME OF LETTING.

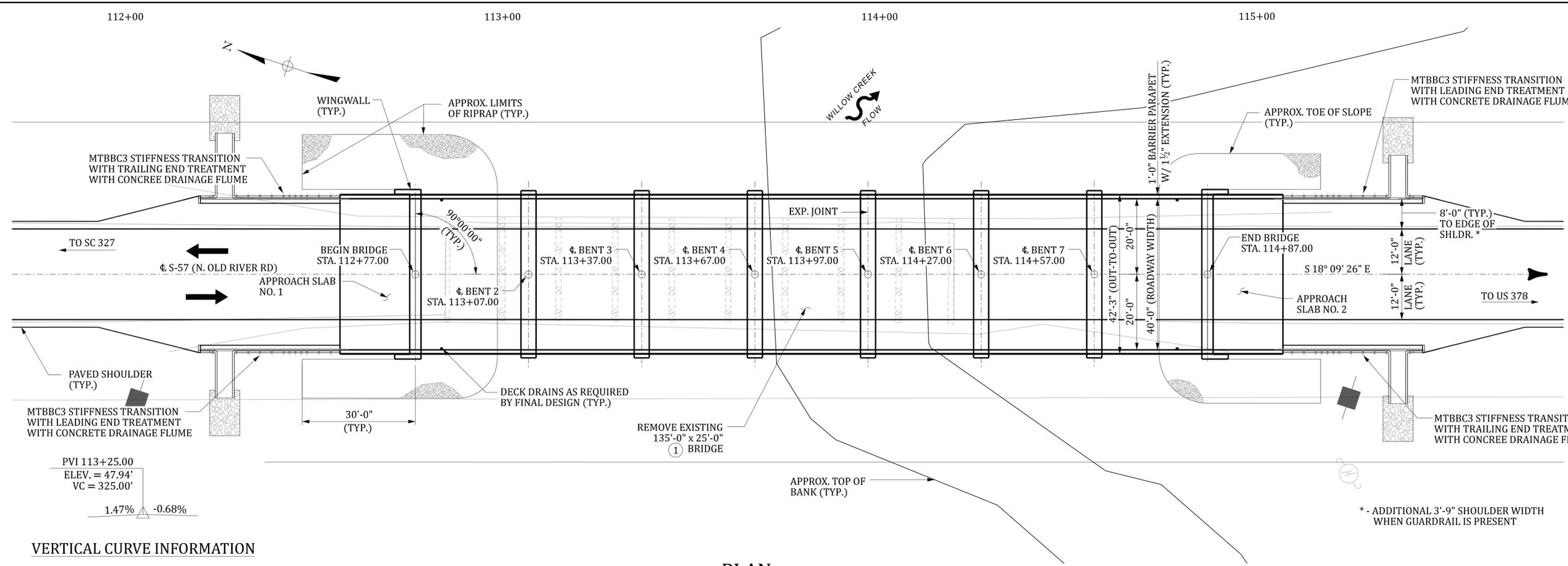
CONSULTING ENGINEERING FIRM

Michael Baker
INTERNATIONAL

ENGINEER OF RECORD

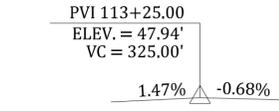
NOT FOR CONSTRUCTION
SUBJECT TO CHANGE

REVIEWED: DR. XXX BY: CHK. DATE: 12-25
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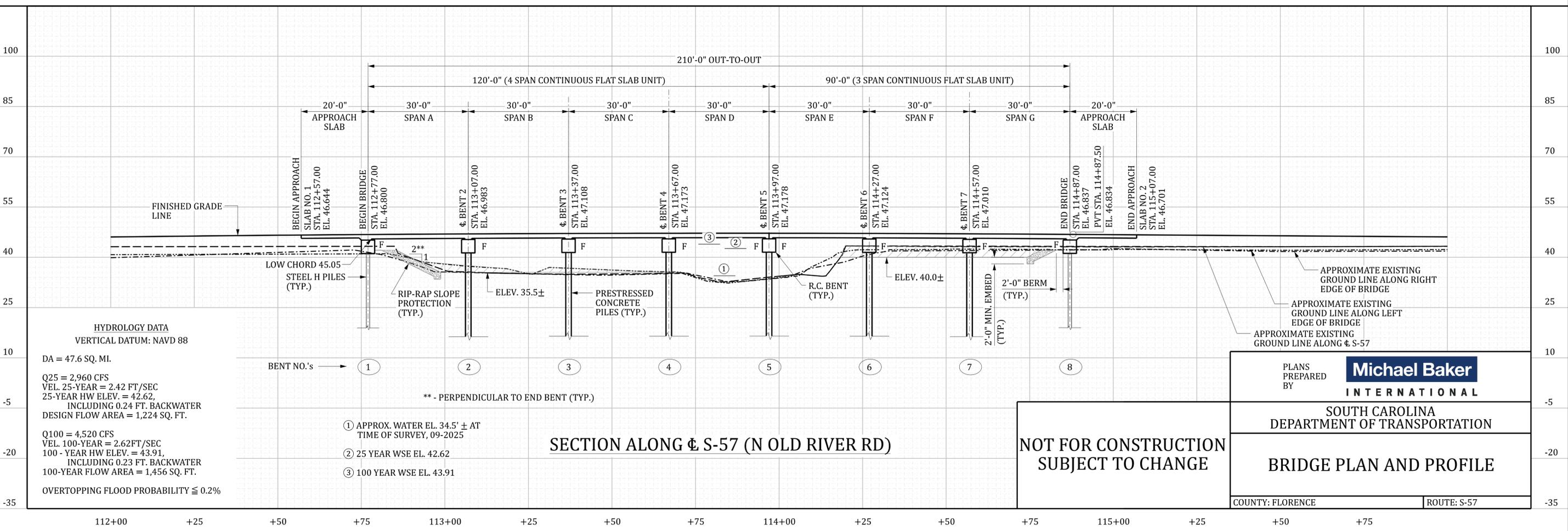


GENERAL NOTES:

- FOR LOCATION OF UTILITIES, SEE ROADWAY PLANS.
- BORING LOGS TO BE PROVIDED IN PRELIMINARY PLANS.
- EXISTING CONCRETE AND TIMBER BRIDGE TO BE REMOVED AND DISPOSED OF BY THE BRIDGE CONTRACTOR IN ACCORDANCE WITH SECTION 202.3.2 OF THE STANDARD SPECIFICATIONS.
- FOUNDATION TYPES AND SIZES SHOWN ARE PRELIMINARY AND SUBJECT TO CHANGE IN FINAL DESIGN BASED ON RESULTS OF GEOTECHNICAL INVESTIGATION.
- EXCAVATE EXISTING EMBANKMENT LOCATED INSIDE OF PROPOSED BRIDGE OPENING, SEE ROADWAY PLANS.
- F - DENOTES FIXED BEARING



PLAN



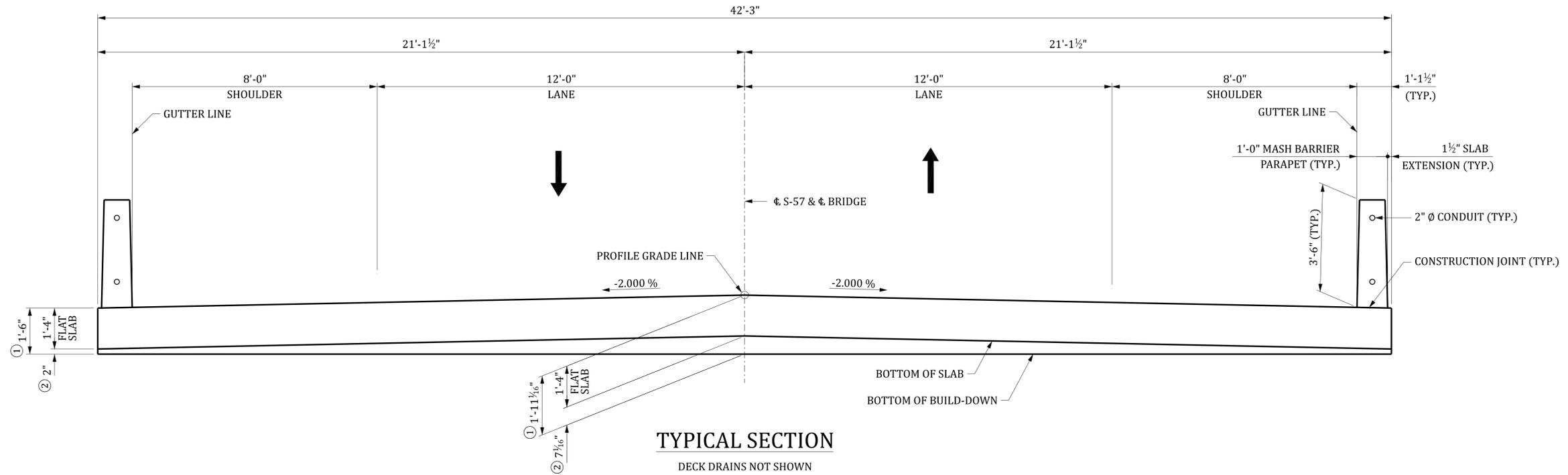
REV.	BY	CHK.	DATE	DESCRIPTION OF REVISION

HYDROLOGY DATA
 VERTICAL DATUM: NAVD 88
 DA = 47.6 SQ. MI.
 Q25 = 2,960 CFS
 VEL. 25-YEAR = 2.42 FT/SEC
 25-YEAR HW ELEV. = 42.62,
 INCLUDING 0.24 FT. BACKWATER
 DESIGN FLOW AREA = 1,224 SQ. FT.
 Q100 = 4,520 CFS
 VEL. 100-YEAR = 2.62 FT/SEC
 100-YEAR HW ELEV. = 43.91,
 INCLUDING 0.23 FT. BACKWATER
 100-YEAR FLOW AREA = 1,456 SQ. FT.
 OVERTOPPING FLOOD PROBABILITY ≤ 0.2%

- ① APPROX. WATER EL. 34.5' ± AT TIME OF SURVEY, 09-2025
- ② 25 YEAR WSE EL. 42.62
- ③ 100 YEAR WSE EL. 43.91

**NOT FOR CONSTRUCTION
 SUBJECT TO CHANGE**

PLANS PREPARED BY **Michael Baker INTERNATIONAL**
 SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
BRIDGE PLAN AND PROFILE
 COUNTY: FLORENCE ROUTE: S-57



TYPICAL SECTION

DECK DRAINS NOT SHOWN

- ① AT Φ BENT.
- ② INCLUDES 1/2" ELASTOMERIC BEARING PAD.

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REV.	BY	CHK.	DATE	DESCRIPTION OF REVISION

REVIEWED	QUAN.	DR.	DES.	BY	CHK.	DATE

**NOT FOR CONSTRUCTION
SUBJECT TO CHANGE**

PLANS PREPARED BY	Michael Baker INTERNATIONAL
SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION	
TYPICAL SECTION	
COUNTY: FLORENCE	ROUTE: S-57

INDEX OF SHEETS

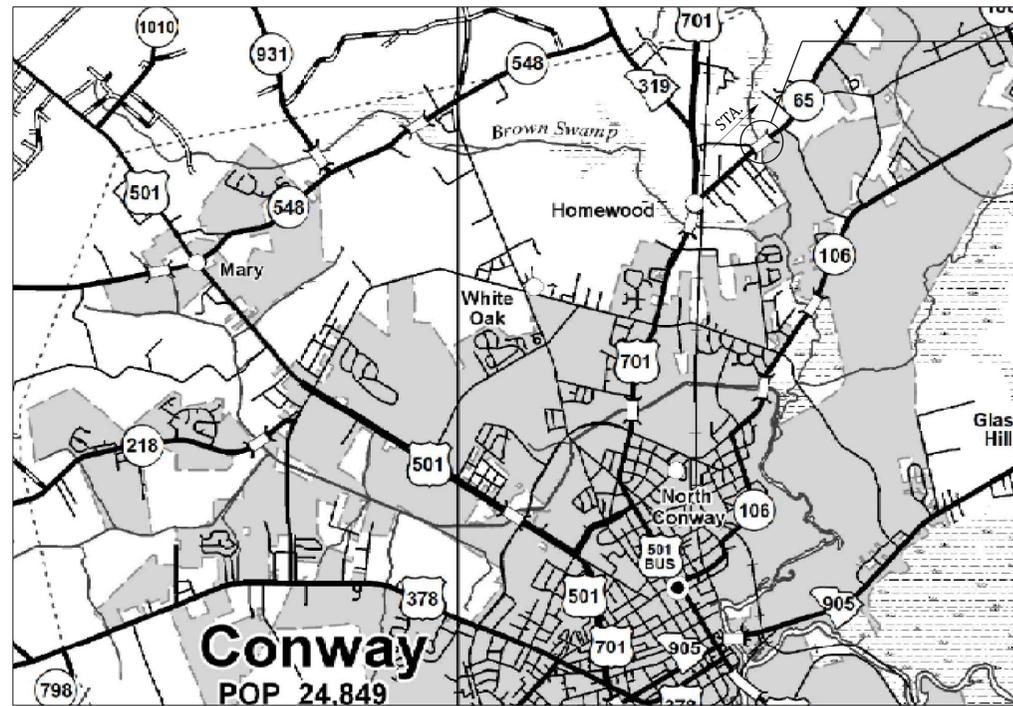
1. TITLE SHEET
2. BRIDGE PLAN AND PROFILE
3. TYPICAL SECTION



SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION



CONCEPTUAL PLANS FOR HORRY COUNTY PROJECT ID P043736 ROAD S-65 (HIGHWAY 65) REPLACE BRIDGE OVER GRIER SWAMP



SITE LOCATION



APPROXIMATE LOCATION OF BRIDGE IS	
LATITUDE	33° - 53' - 01" N
LONGITUDE	79° - 02' - 26" W

LAYOUT

3 DAYS BEFORE DIGGING IN
SOUTH CAROLINA
CALL 811
SOUTH CAROLINA 811 (SC811)
WWW.SC811.COM
ALL UTILITIES MAY NOT BE A MEMBER OF SC811

ASSET ID _____*
*ASSET ID TO BE REQUESTED
AT THE PRELIMINARY DESIGN
PHASE.

NET LENGTH OF ROADWAY	0.000	MILES
NET LENGTH OF BRIDGES	0.018	MILES
NET LENGTH OF PROJECT	0.018	MILES
LENGTH OF EXCEPTIONS	0.000	MILES
GROSS LENGTH OF PROJECT	0.018	MILES

TRAFFIC DATA		
2025	ADT	4500 V.P.D.
2045	ADT	7700 V.P.D.
TRUCKS	4	%

NOTE: EXCEPT AS MAY OTHERWISE BE SPECIFIED ON THE PLANS OR IN THE SPECIAL PROVISIONS, ALL MATERIALS AND WORKMANSHIP ON THIS PROJECT SHALL CONFORM TO THE SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION AND THE STANDARD DRAWINGS FOR ROAD CONSTRUCTION IN EFFECT AT THE TIME OF LETTING.

CONSULTING ENGINEERING FIRM

Michael Baker
INTERNATIONAL

ENGINEER OF RECORD

NOT FOR CONSTRUCTION
SUBJECT TO CHANGE

REVIEWED: DR. TB. BY: JRM. CHK. DATE: 09-25
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GENERAL NOTES:

FOR LOCATION OF UTILITIES, SEE ROADWAY PLANS.

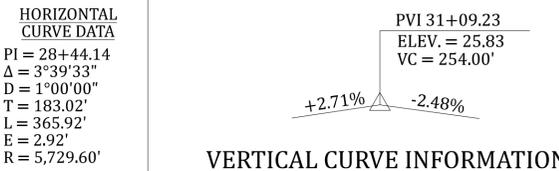
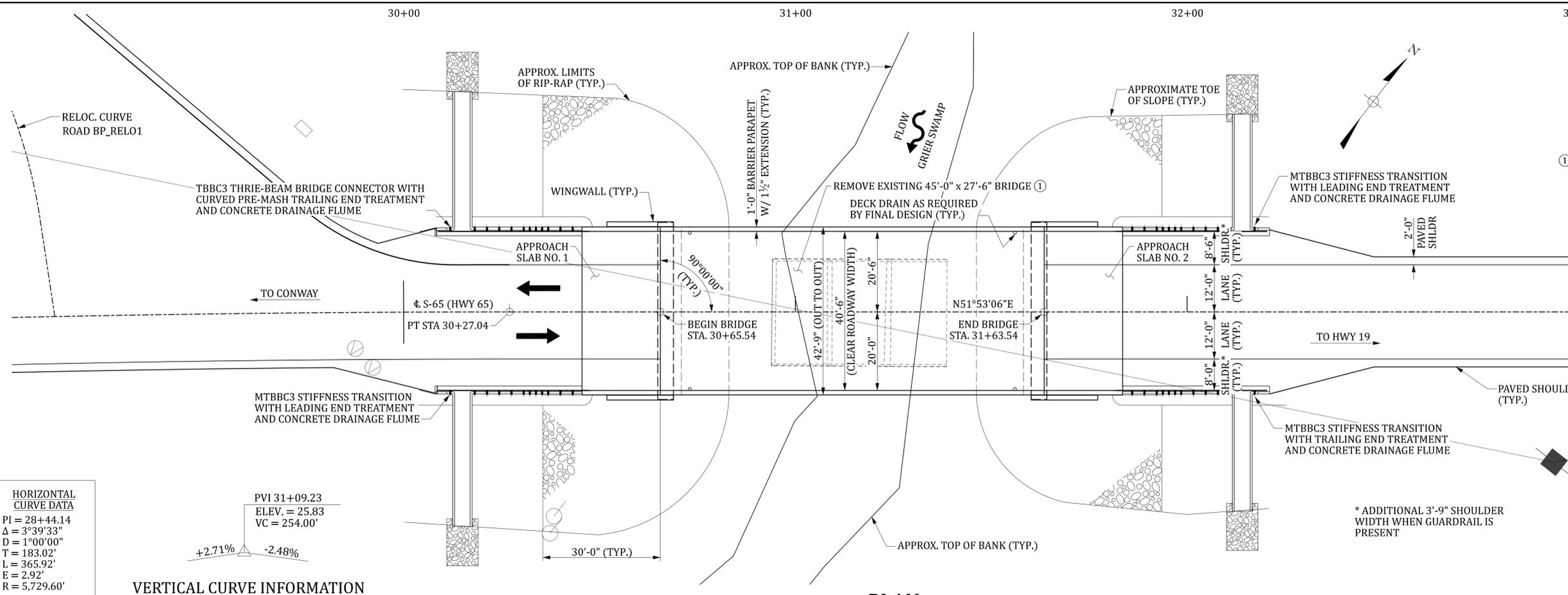
BORING LOGS TO BE PROVIDED IN PRELIMINARY PLANS.

① EXISTING CONCRETE AND TIMBER BRIDGE TO BE REMOVED AND DISPOSED OF BY THE BRIDGE CONTRACTOR IN ACCORDANCE WITH SECTION 202.3.2 OF THE STANDARD SPECIFICATIONS.

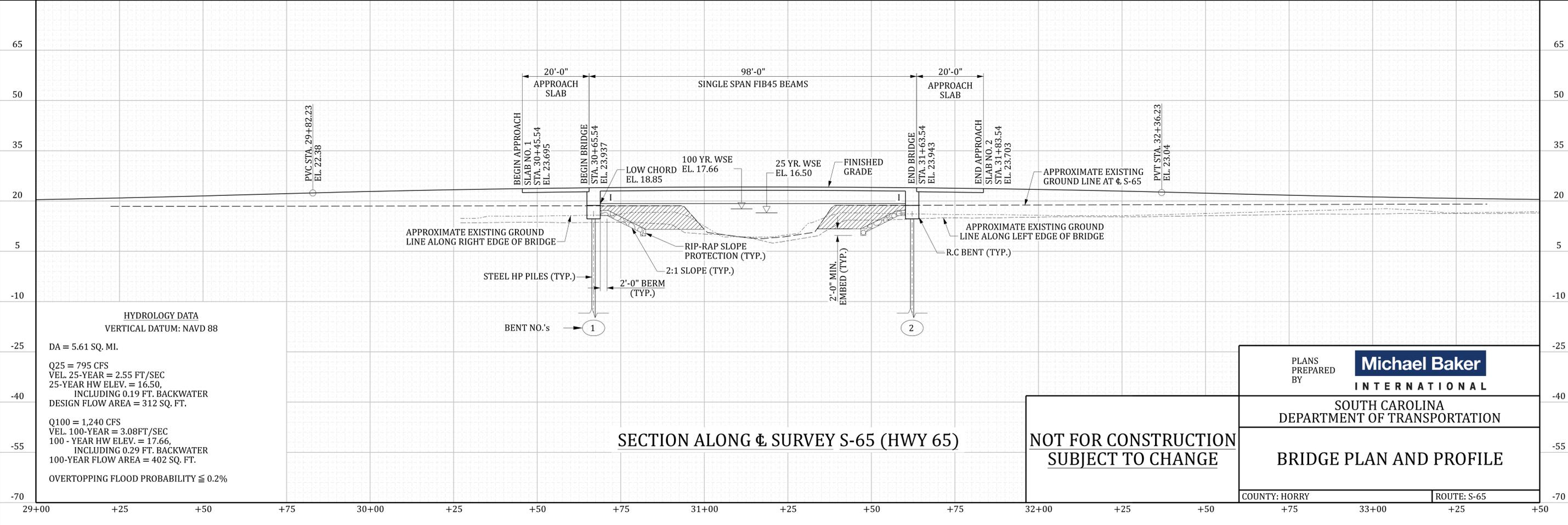
FOUNDATION TYPES AND SIZES SHOWN ARE PRELIMINARY AND SUBJECT TO CHANGE IN FINAL DESIGN BASED ON RESULTS OF GEOTECHNICAL INVESTIGATION.

EXCAVATE EXISTING EMBANKMENT LOCATED INSIDE OF PROPOSED BRIDGE OPENING, SEE ROADWAY PLANS.

I - INTEGRAL END BENT



PLAN



SECTION ALONG φ SURVEY S-65 (HWY 65)

**NOT FOR CONSTRUCTION
SUBJECT TO CHANGE**

PLANS PREPARED BY **Michael Baker INTERNATIONAL**

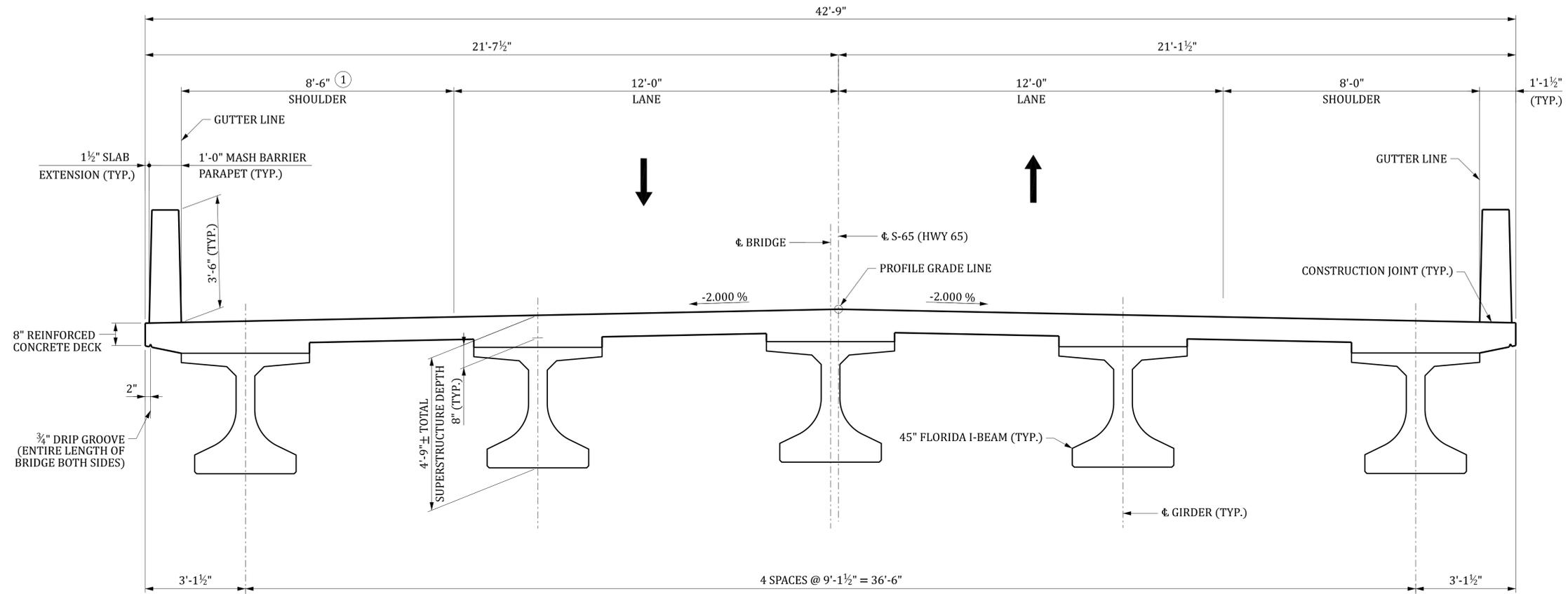
SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION

BRIDGE PLAN AND PROFILE

COUNTY: HORRY ROUTE: S-65

REV.	BY	CHK.	DATE	DESCRIPTION OF REVISION

REVIEWED	QUAN.	DR.	DES.	TB	JRM	09-25



TYPICAL SECTION

DECK DRAINS NOT SHOWN

① INCREASE SHOULDER WIDTH AS NEEDED FOR INTERSECTION SIGHT DISTANCE

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REV.	BY	CHK.	DATE	DESCRIPTION OF REVISION

REVIEWED	BY	CHK.	DATE

**NOT FOR CONSTRUCTION
SUBJECT TO CHANGE**

PLANS PREPARED BY	Michael Baker INTERNATIONAL
SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION	
TYPICAL SECTION	
COUNTY: HORRY	ROUTE: S-65

INDEX OF SHEETS

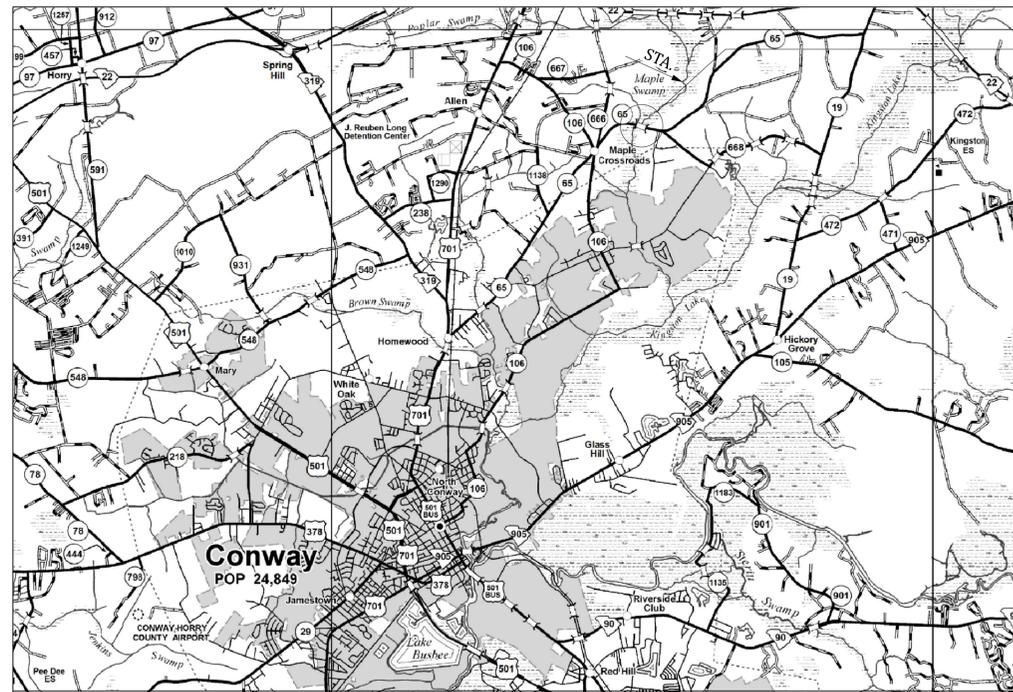
1. TITLE SHEET
2. BRIDGE PLAN AND PROFILE
3. TYPICAL SECTION



SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION



CONCEPTUAL PLANS FOR HORRY COUNTY PROJECT ID P043739 ROAD S-65 (HIGHWAY 65) REPLACE BRIDGE OVER MAPLE SWAMP



SITE LOCATION



APPROXIMATE LOCATION OF BRIDGE IS	
LATITUDE	33° - 55' - 05" N
LONGITUDE	79° - 0' - 11" W

LAYOUT

3 DAYS BEFORE DIGGING IN
SOUTH CAROLINA
CALL 811
SOUTH CAROLINA 811 (SC811)
WWW.SC811.COM
ALL UTILITIES MAY NOT BE A MEMBER OF SC811

ASSET ID _____

*ASSET ID TO BE REQUESTED
AT THE PRELIMINARY DESIGN
PHASE.

NET LENGTH OF ROADWAY	0.000	MILES
NET LENGTH OF BRIDGES	0.042	MILES
NET LENGTH OF PROJECT	0.042	MILES
LENGTH OF EXCEPTIONS	0.000	MILES
GROSS LENGTH OF PROJECT	0.042	MILES

NOTE: EXCEPT AS MAY OTHERWISE BE SPECIFIED ON THE PLANS OR IN THE SPECIAL PROVISIONS, ALL MATERIALS AND WORKMANSHIP ON THIS PROJECT SHALL CONFORM TO THE SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION AND THE STANDARD DRAWINGS FOR ROAD CONSTRUCTION IN EFFECT AT THE TIME OF LETTING.

CONSULTING ENGINEERING FIRM

Michael Baker

INTERNATIONAL

ENGINEER OF RECORD

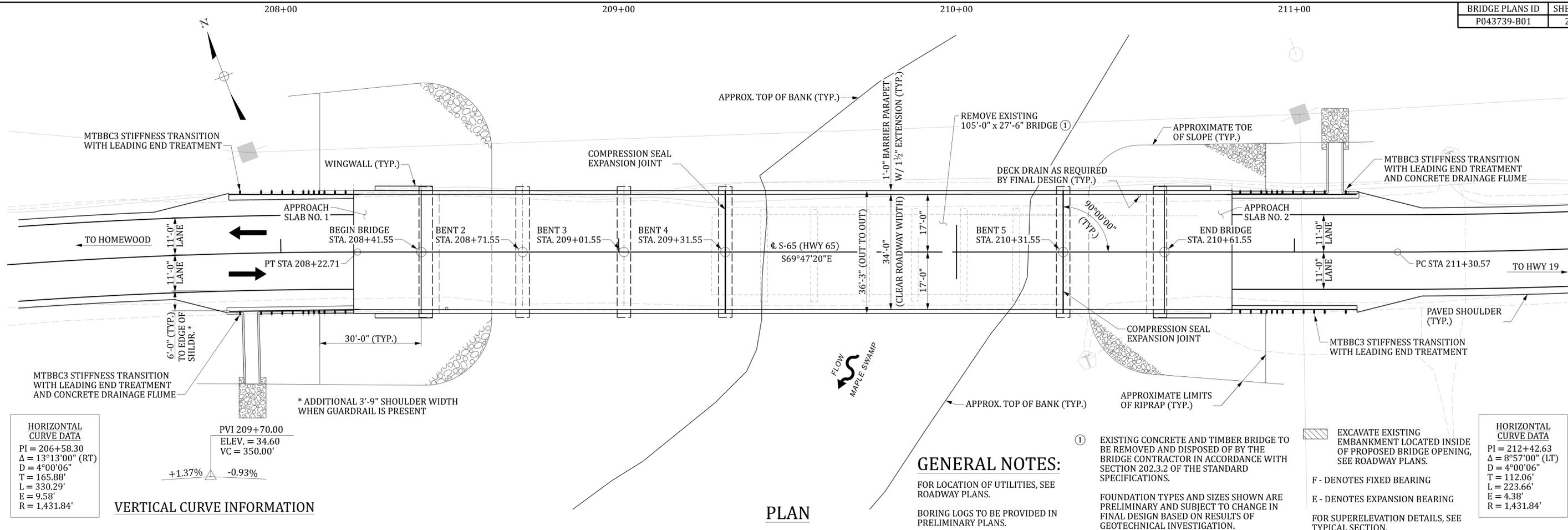
NOT FOR CONSTRUCTION

SUBJECT TO CHANGE

TRAFFIC DATA			
2025	ADT	4500	V.P.D.
2045	ADT	7700	V.P.D.
TRUCKS	5	%	

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REVIEWED	TB	JRM	10-25
DR.	BY	CHK.	DATE



HORIZONTAL CURVE DATA
 PI = 206+58.30
 $\Delta = 13^\circ 13' 00''$ (RT)
 D = 4°00'06"
 T = 165.88'
 L = 330.29'
 E = 9.58'
 R = 1,431.84'

VERTICAL CURVE INFORMATION

PVI 209+70.00
 ELEV. = 34.60
 VC = 350.00'
 +1.37% -0.93%

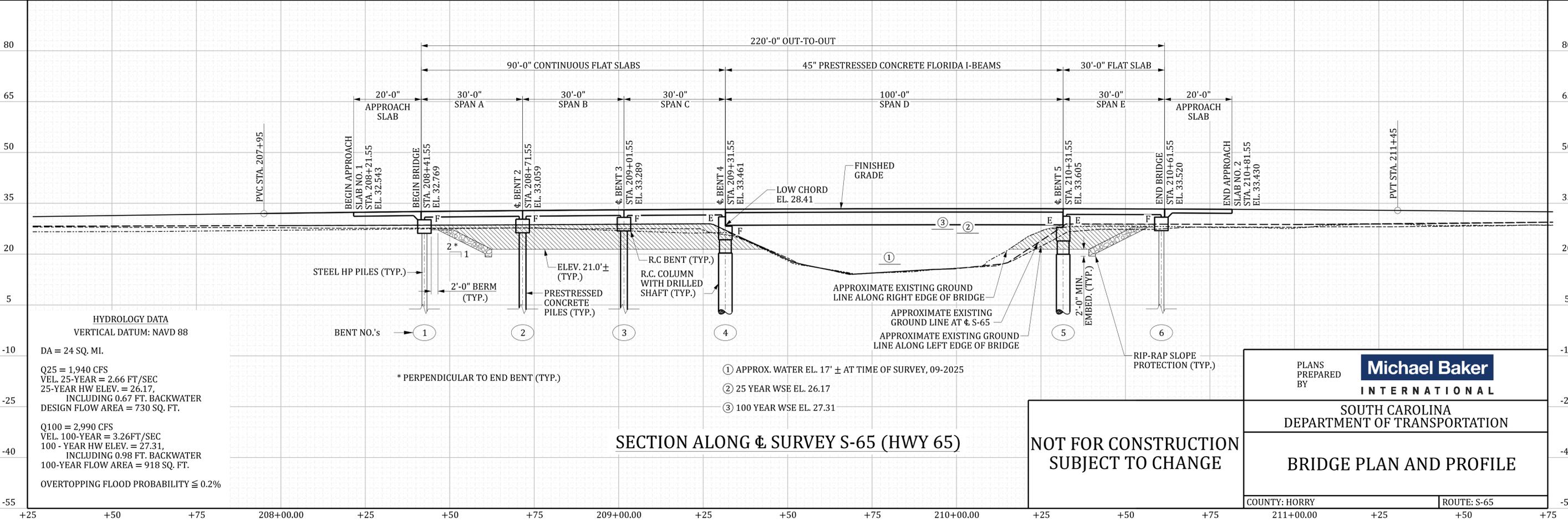
HORIZONTAL CURVE DATA
 PI = 212+42.63
 $\Delta = 8^\circ 57' 00''$ (LT)
 D = 4°00'06"
 T = 112.06'
 L = 223.66'
 E = 4.38'
 R = 1,431.84'

GENERAL NOTES:

- FOR LOCATION OF UTILITIES, SEE ROADWAY PLANS.
- BORING LOGS TO BE PROVIDED IN PRELIMINARY PLANS.
- ① EXISTING CONCRETE AND TIMBER BRIDGE TO BE REMOVED AND DISPOSED OF BY THE BRIDGE CONTRACTOR IN ACCORDANCE WITH SECTION 202.3.2 OF THE STANDARD SPECIFICATIONS.
- FOUNDATION TYPES AND SIZES SHOWN ARE PRELIMINARY AND SUBJECT TO CHANGE IN FINAL DESIGN BASED ON RESULTS OF GEOTECHNICAL INVESTIGATION.
- EXCAVATE EXISTING EMBANKMENT LOCATED INSIDE OF PROPOSED BRIDGE OPENING, SEE ROADWAY PLANS.
- F - DENOTES FIXED BEARING
- E - DENOTES EXPANSION BEARING
- FOR SUPERELEVATION DETAILS, SEE TYPICAL SECTION.

PLAN

REV.	BY	CHK.	DATE	DESCRIPTION OF REVISION



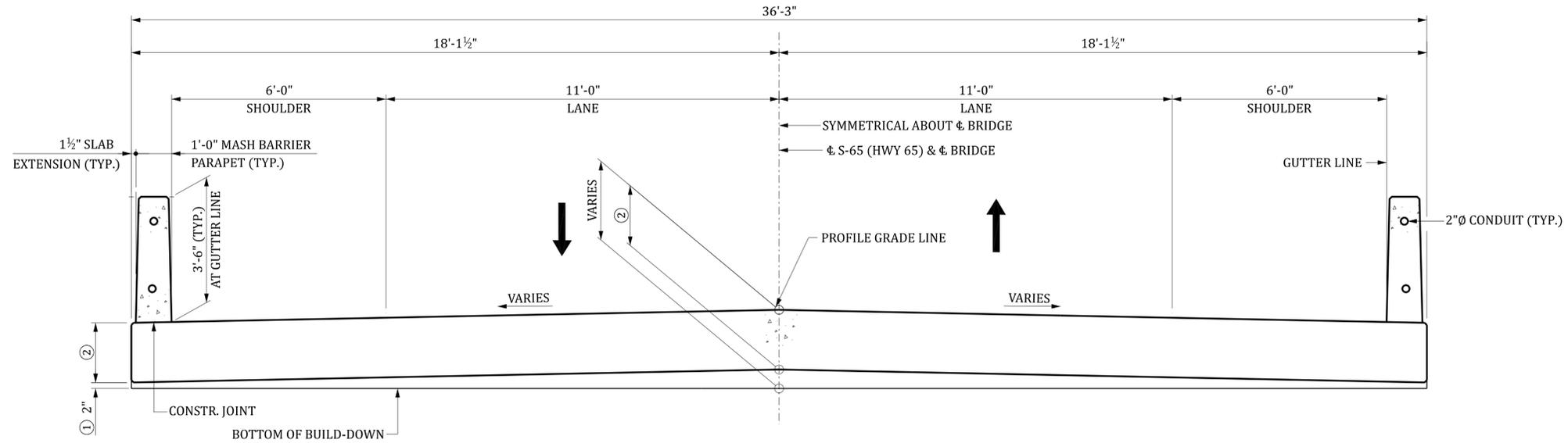
HYDROLOGY DATA
 VERTICAL DATUM: NAVD 88
 DA = 24 SQ. MI.
 Q25 = 1,940 CFS
 VEL. 25-YEAR = 2.66 FT/SEC
 25-YEAR HW ELEV. = 26.17,
 INCLUDING 0.67 FT. BACKWATER
 DESIGN FLOW AREA = 730 SQ. FT.
 Q100 = 2,990 CFS
 VEL. 100-YEAR = 3.26 FT/SEC
 100-YEAR HW ELEV. = 27.31,
 INCLUDING 0.98 FT. BACKWATER
 100-YEAR FLOW AREA = 918 SQ. FT.
 OVERTOPPING FLOOD PROBABILITY \leq 0.2%

- ① APPROX. WATER EL. 17' ± AT TIME OF SURVEY, 09-2025
- ② 25 YEAR WSE EL. 26.17
- ③ 100 YEAR WSE EL. 27.31

**NOT FOR CONSTRUCTION
SUBJECT TO CHANGE**

PLANS PREPARED BY
Michael Baker INTERNATIONAL
 SOUTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
BRIDGE PLAN AND PROFILE
 COUNTY: HORRY ROUTE: S-65

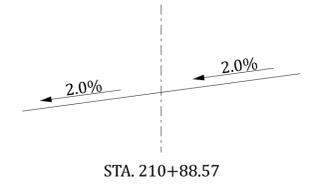
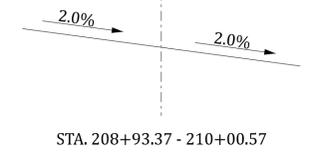
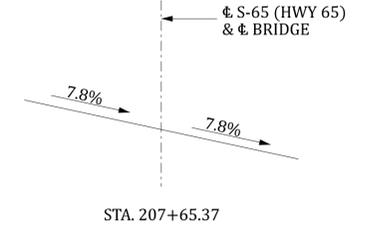
SECTION ALONG ϕ SURVEY S-65 (HWY 65)



TYPICAL SECTION - SPANS A, B, C & E

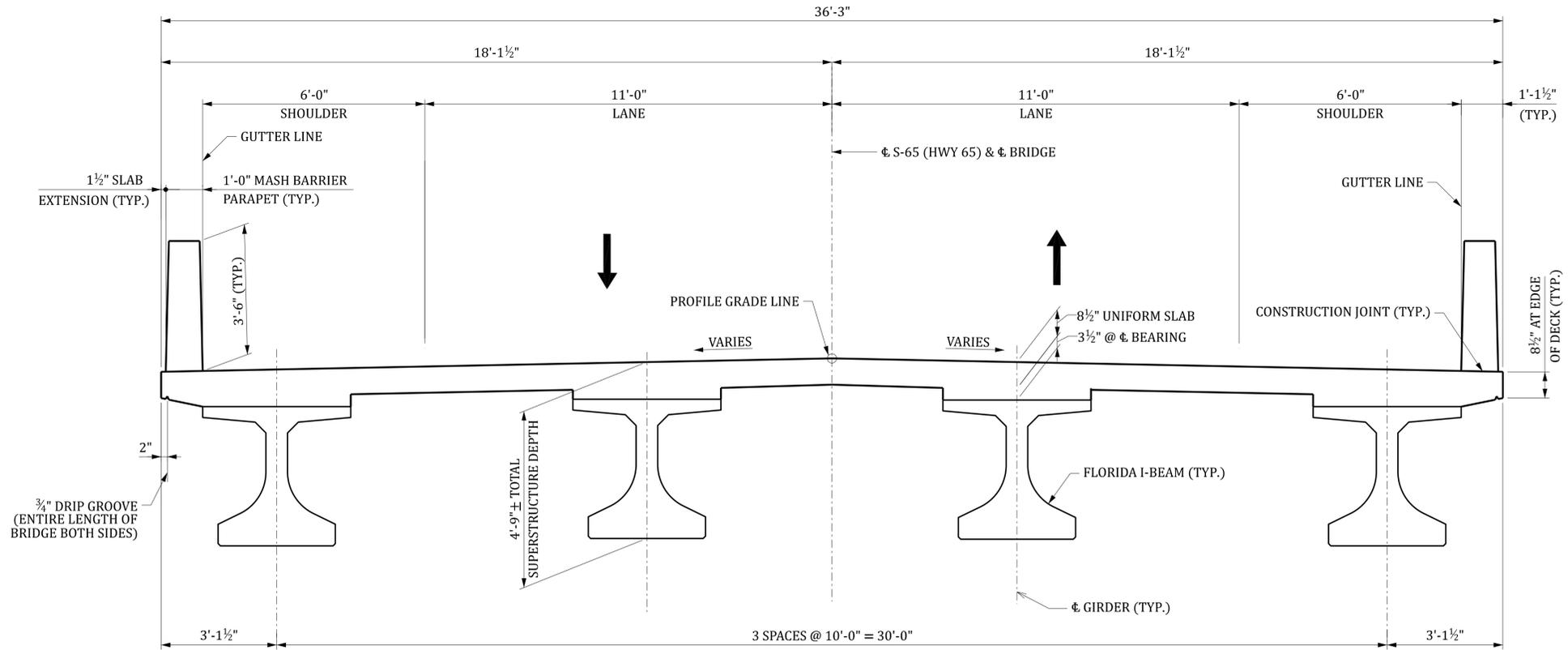
DECK DRAINS NOT SHOWN.

- ① INCLUDES 1/2" ELASTOMERIC BEARING PAD
- ② 1'-4" - SPAN A, B & C
1'-8" - SPAN E



METHOD OF SUPERELEVATION

LOOKING IN DIRECTION OF STATIONING



TYPICAL SECTION - SPAN D

**NOT FOR CONSTRUCTION
SUBJECT TO CHANGE**

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REV.	BY	CHK.	DATE	DESCRIPTION OF REVISION

REVIEWED	BY	CHK.	DATE

PLANS PREPARED BY	Michael Baker INTERNATIONAL
SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION	
TYPICAL SECTION	
COUNTY: HORRY	ROUTE: S-65

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1. TITLE SHEET
2. BRIDGE PLAN AND PROFILE
3. TYPICAL SECTION



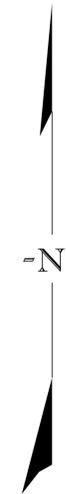
SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION



CONCEPTUAL PLANS FOR HORRY COUNTY PROJECT ID P043740 ROAD S-105 (OLD REAVES FERRY ROAD) REPLACE BRIDGE OVER STANLEY CREEK



SITE LOCATION



APPROXIMATE LOCATION OF BRIDGE IS	
LATITUDE	33° - 51' - 16" N
LONGITUDE	78° - 54' - 47" W

LAYOUT

3 DAYS BEFORE DIGGING IN
SOUTH CAROLINA
CALL 811
SOUTH CAROLINA 811 (SC811)
WWW.SC811.COM
ALL UTILITIES MAY NOT BE A MEMBER OF SC811

ASSET ID _____

*ASSET ID TO BE REQUESTED
AT THE PRELIMINARY DESIGN
PHASE.

NET LENGTH OF ROADWAY	0.000	MILES
NET LENGTH OF BRIDGES	0.022	MILES
NET LENGTH OF PROJECT	0.022	MILES
LENGTH OF EXCEPTIONS	0.000	MILES
GROSS LENGTH OF PROJECT	0.022	MILES

TRAFFIC DATA		
2025	ADT	3500 V.P.D.
2045	ADT	4700 V.P.D.
TRUCKS	5	%

NOTE: EXCEPT AS MAY OTHERWISE BE SPECIFIED ON THE PLANS OR IN THE SPECIAL PROVISIONS, ALL MATERIALS AND WORKMANSHIP ON THIS PROJECT SHALL CONFORM TO THE SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION AND THE STANDARD DRAWINGS FOR ROAD CONSTRUCTION IN EFFECT AT THE TIME OF LETTING.

CONSULTING ENGINEERING FIRM

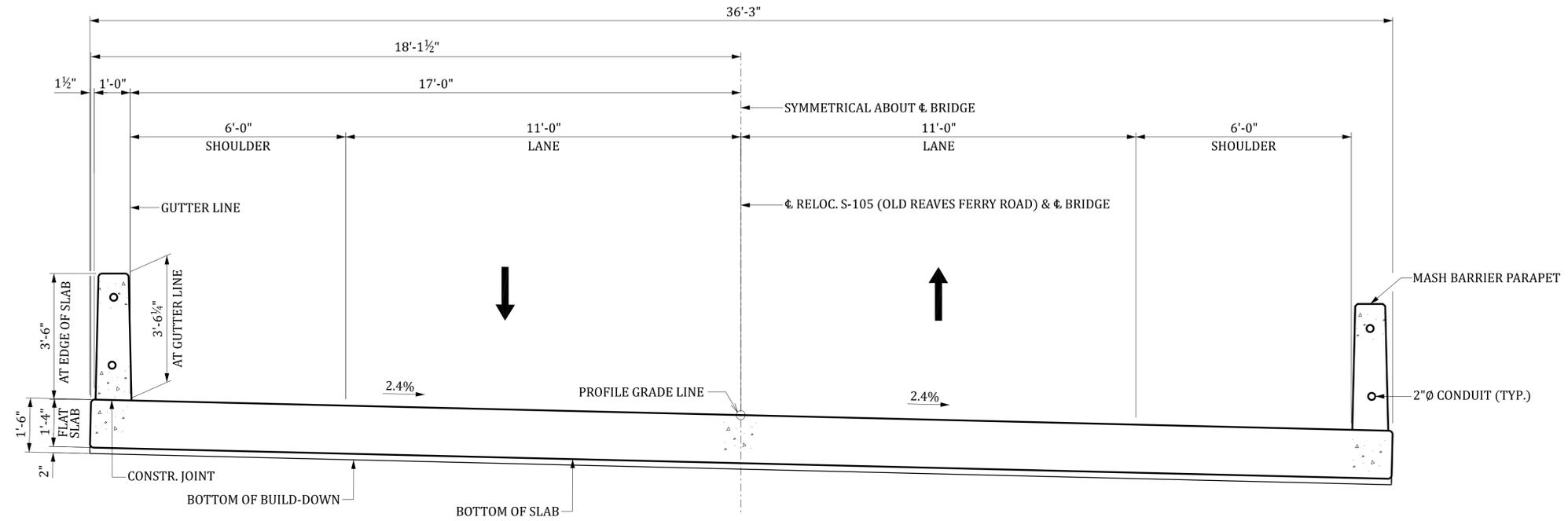
Michael Baker
INTERNATIONAL

ENGINEER OF RECORD

NOT FOR CONSTRUCTION
SUBJECT TO CHANGE

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REVIEWED	TB	BH	12-25
DR.	BY	CHK.	DATE



TYPICAL SECTION
DECK DRAINS NOT SHOWN

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REV.	BY	CHK.	DATE	DESCRIPTION OF REVISION

REVIEWED	BY	CHK.	DATE

**NOT FOR CONSTRUCTION
SUBJECT TO CHANGE**

PLANS PREPARED BY	Michael Baker INTERNATIONAL
SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION	
TYPICAL SECTION	
COUNTY: HORRY	ROUTE: S-105

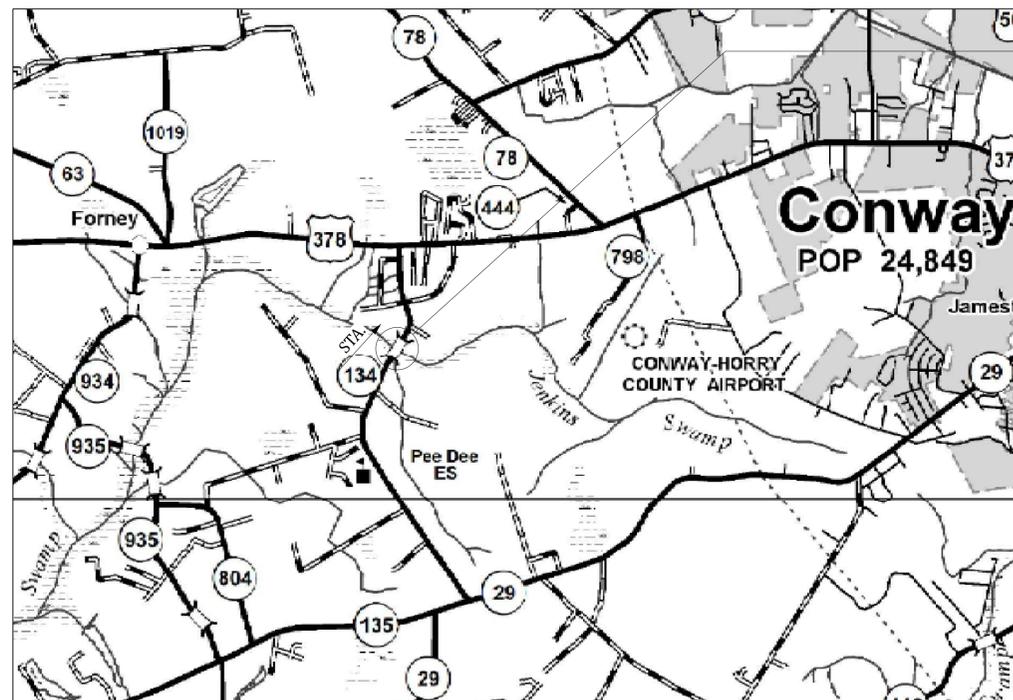
INDEX OF SHEETS

1. TITLE SHEET
2. BRIDGE PLAN AND PROFILE
3. TYPICAL SECTION



SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION

CONCEPTUAL PLANS FOR HORRY COUNTY PROJECT ID P043738 ROAD S-134 (HWY 134) REPLACE BRIDGE OVER JENKINS SWAMP



SITE LOCATION

APPROXIMATE LOCATION OF BRIDGE IS	
LATITUDE	33° - 49' - 32" N
LONGITUDE	79° - 08' - 48" W

LAYOUT

3 DAYS BEFORE DIGGING IN
SOUTH CAROLINA
CALL 811
SOUTH CAROLINA 811 (SC811)
WWW.SC811.COM
ALL UTILITIES MAY NOT BE A MEMBER OF SC811

ASSET ID _____

*ASSET ID TO BE REQUESTED
AT THE PRELIMINARY DESIGN
PHASE.

NET LENGTH OF ROADWAY	0.000	MILES
NET LENGTH OF BRIDGES	0.017	MILES
NET LENGTH OF PROJECT	0.017	MILES
LENGTH OF EXCEPTIONS	0.000	MILES
GROSS LENGTH OF PROJECT	0.017	MILES

TRAFFIC DATA		
2025	ADT	3700 V.P.D.
2045	ADT	4900 V.P.D.
TRUCKS	9	%

NOTE: EXCEPT AS MAY OTHERWISE BE SPECIFIED ON THE PLANS OR IN THE SPECIAL PROVISIONS, ALL MATERIALS AND WORKMANSHIP ON THIS PROJECT SHALL CONFORM TO THE SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION AND THE STANDARD DRAWINGS FOR ROAD CONSTRUCTION IN EFFECT AT THE TIME OF LETTING.

CONSULTING ENGINEERING FIRM

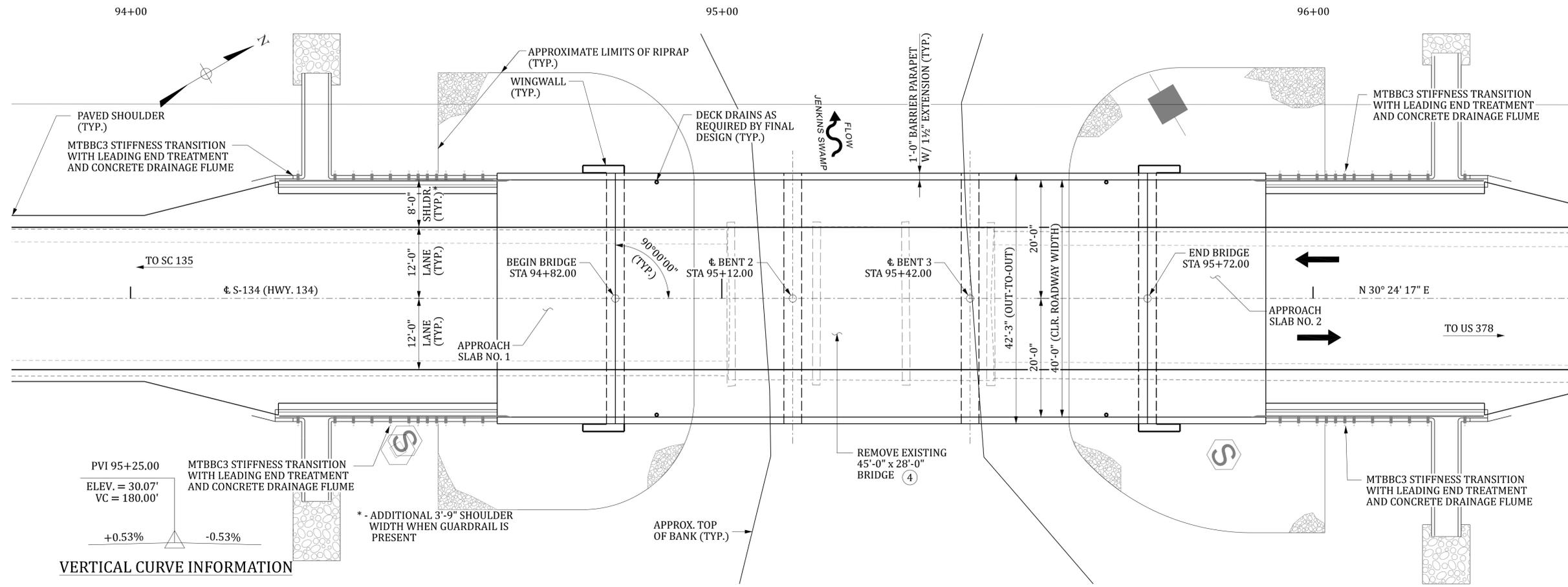
Michael Baker
INTERNATIONAL

ENGINEER OF RECORD

**NOT FOR CONSTRUCTION
SUBJECT TO CHANGE**

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REVIEWED	DR.	TNB	BY	CHK.	DATE
					12-25



GENERAL NOTES:

FOR LOCATION OF UTILITIES, SEE ROADWAY PLANS.

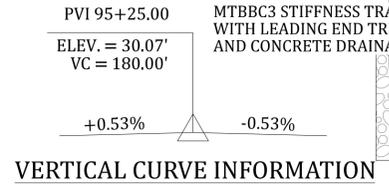
BORING LOGS TO BE PROVIDED IN PRELIMINARY PLANS

④ EXISTING CONCRETE AND TIMBER BRIDGE TO BE REMOVED AND DISPOSED OF BY THE BRIDGE CONTRACTOR IN ACCORDANCE WITH SECTION 202.3.2 OF THE STANDARD SPECIFICATIONS.

FOUNDATION TYPES AND SIZES SHOWN ARE PRELIMINARY AND SUBJECT TO CHANGE IN FINAL DESIGN BASED ON RESULTS OF GEOTECHNICAL INVESTIGATION.

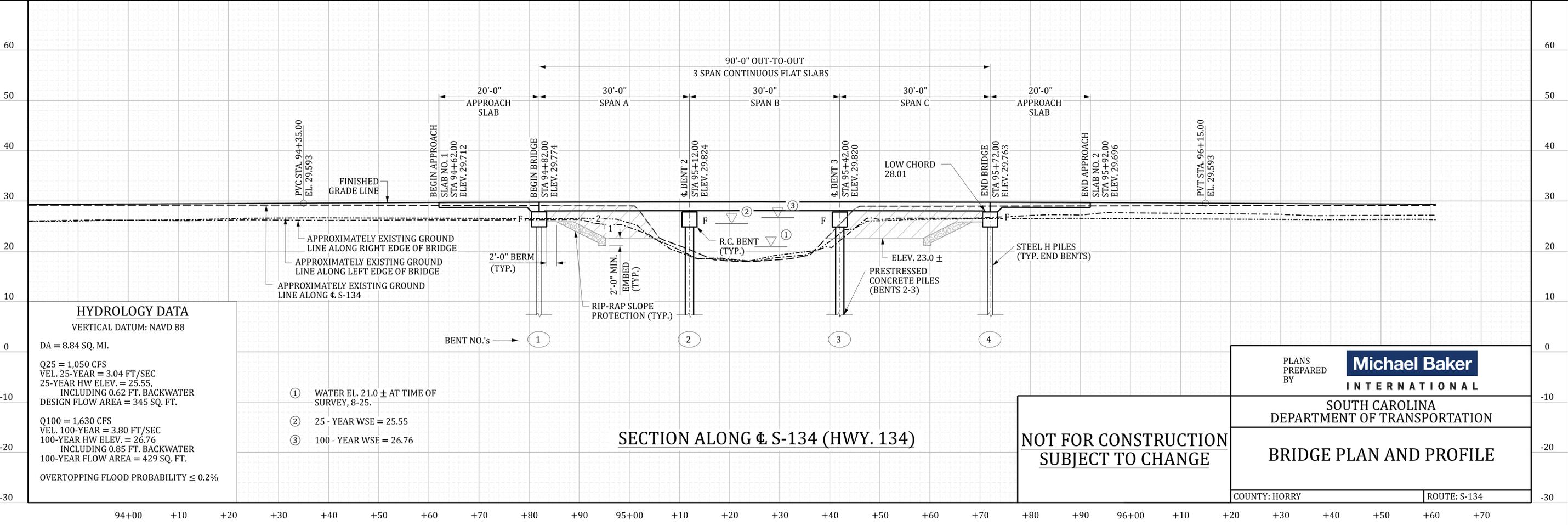
AREA OF EXISTING GROUND TO BE REMOVED, SEE ROADWAY PLANS.

F - DENOTES FIXED BEARINGS



REV.	AAA	BBB	MM-YY	MM-YY	LATEST REVISION
REV.	AAA	BBB	MM-YY	MM-YY	PREVIOUS REVISION
BY	CHK.	DATE	DATE	DATE	DESCRIPTION OF REVISION

REVIEWED S. ROSS	BY	CHK.	DATE
QUAN.	TNB	BCH	01-26
DR.			
DES.			



HYDROLOGY DATA
VERTICAL DATUM: NAVD 88

DA = 8.84 SQ. MI.

Q25 = 1,050 CFS
VEL. 25-YEAR = 3.04 FT/SEC
25-YEAR HW ELEV. = 25.55,
INCLUDING 0.62 FT. BACKWATER
DESIGN FLOW AREA = 345 SQ. FT.

Q100 = 1,630 CFS
VEL. 100-YEAR = 3.80 FT/SEC
100-YEAR HW ELEV. = 26.76
INCLUDING 0.85 FT. BACKWATER
100-YEAR FLOW AREA = 429 SQ. FT.

OVERTOPPING FLOOD PROBABILITY ≤ 0.2%

- ① WATER EL. 21.0 ± AT TIME OF SURVEY, 8-25.
- ② 25 - YEAR WSE = 25.55
- ③ 100 - YEAR WSE = 26.76

SECTION ALONG ϕ S-134 (HWY. 134)

**NOT FOR CONSTRUCTION
SUBJECT TO CHANGE**

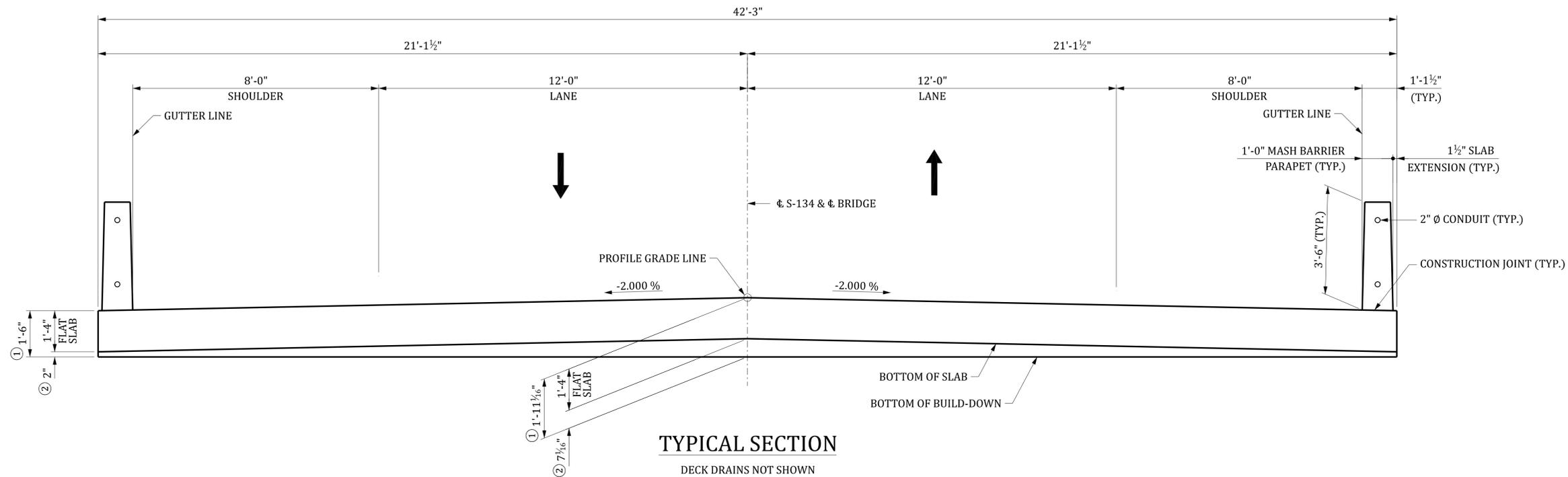
PLANS PREPARED BY

Michael Baker INTERNATIONAL

SOUTH CAROLINA
DEPARTMENT OF TRANSPORTATION

BRIDGE PLAN AND PROFILE

COUNTY: HORRY ROUTE: S-134



TYPICAL SECTION

DECK DRAINS NOT SHOWN

- ① AT # BENT.
- ② INCLUDES 1/2" ELASTOMERIC BEARING PAD.

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REV.				
REV.				
REV.				

QUAN.	DR.	DES.	BY	CHK.	DATE

**NOT FOR CONSTRUCTION
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PLANS PREPARED BY	Michael Baker INTERNATIONAL
SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION	
TYPICAL SECTION	
COUNTY: HORRY	ROUTE: S-134

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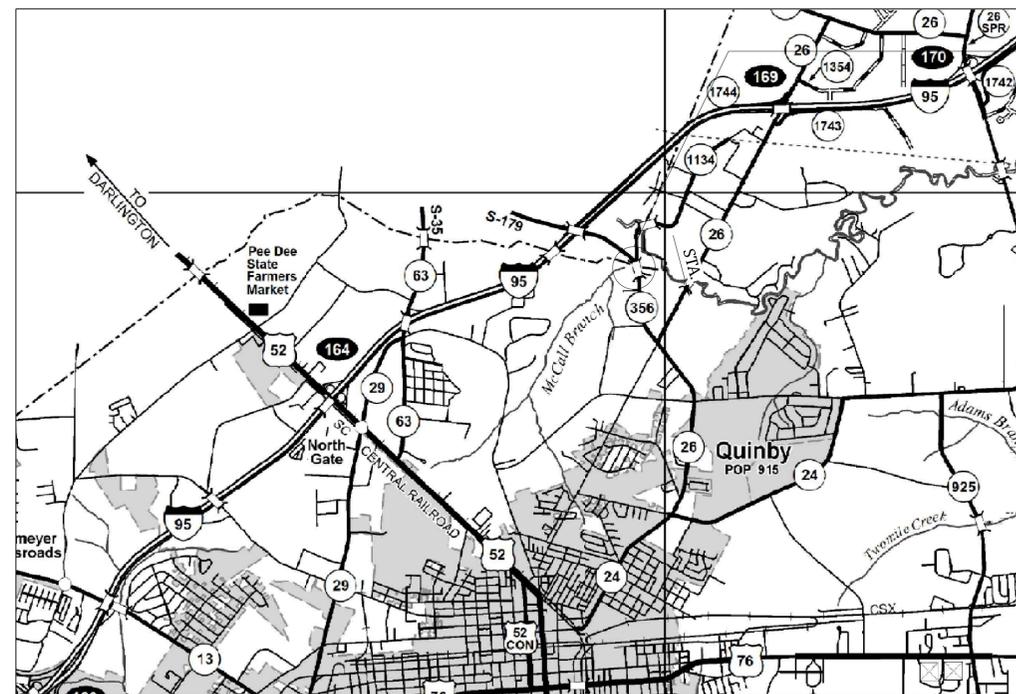
1. TITLE SHEET
2. BRIDGE PLAN AND PROFILE
3. TYPICAL SECTION



SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION



CONCEPTUAL PLANS FOR DARLINGTON/FLORENCE COUNTIES PROJECT ID P043763 ROAD S-179/S-356 (E. MCIVER ROAD) REPLACE BRIDGE OVER HIGH HILL CREEK



SITE LOCATION

APPROXIMATE LOCATION OF BRIDGE IS
LATITUDE 34°- 14' - 43" N
LONGITUDE 79°- 45' - 13" W

LAYOUT

3 DAYS BEFORE DIGGING IN
SOUTH CAROLINA
CALL 811
SOUTH CAROLINA 811 (SC811)
WWW.SC811.COM
ALL UTILITIES MAY NOT BE A MEMBER OF SC811

ASSET ID _____*
*ASSET ID TO BE REQUESTED
AT THE PRELIMINARY DESIGN
PHASE.

NET LENGTH OF ROADWAY	0.000	MILES
NET LENGTH OF BRIDGES	0.028	MILES
NET LENGTH OF PROJECT	0.028	MILES
LENGTH OF EXCEPTIONS	0.000	MILES
GROSS LENGTH OF PROJECT	0.028	MILES

TRAFFIC DATA		
2025	ADT	6,000 V.P.D.
2045	ADT	8,400 V.P.D.
TRUCKS	11	%

NOTE: EXCEPT AS MAY OTHERWISE BE SPECIFIED ON THE PLANS OR IN THE SPECIAL PROVISIONS, ALL MATERIALS AND WORKMANSHIP ON THIS PROJECT SHALL CONFORM TO THE SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION AND THE STANDARD DRAWINGS FOR ROAD CONSTRUCTION IN EFFECT AT THE TIME OF LETTING.

CONSULTING ENGINEERING FIRM

Michael Baker
INTERNATIONAL

ENGINEER OF RECORD

**NOT FOR CONSTRUCTION
SUBJECT TO CHANGE**

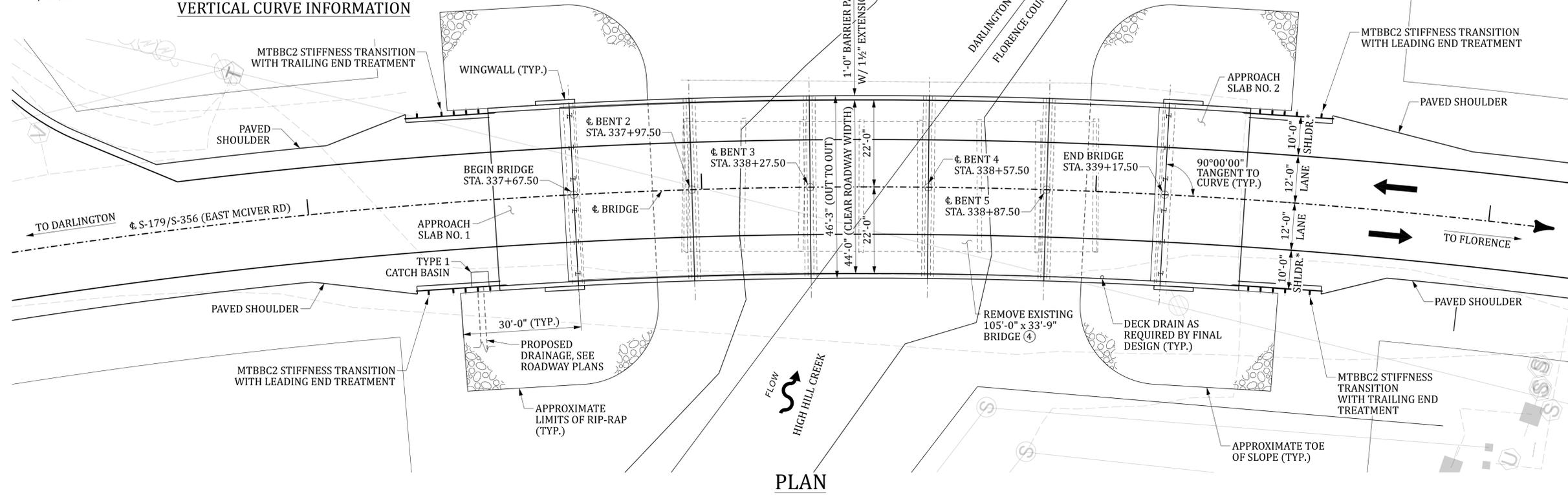
REVIEWED: BGH
 DR. CIC | JRK | 10-25
 BY: CHK | DATE:

S-356 CURVE DATA
 P.I. = 336+11.15
 $\Delta = 49^\circ 57' 50''$ (RT)
 $D = 4^\circ 00' 27''$
 $T = 666.12'$
 $L = 1,246.73'$
 $E = 147.57'$
 $R = 1,429.68'$

VERTICAL CURVE INFORMATION

PVI 336+75.00 ELEV. = 82.10 VC = 190.00'	PVI 340+30.00 ELEV. = 83.24 VC = 250.00'
--	--

-2.06% +0.32% +0.32% +3.45%



GENERAL NOTES:

BORING LOGS TO BE PROVIDED IN PRELIMINARY PLANS.

④ EXISTING CONCRETE AND TIMBER BRIDGE TO BE REMOVED AND DISPOSED OF BY THE BRIDGE CONTRACTOR IN ACCORDANCE WITH SECTION 202.3.2 OF THE STANDARD SPECIFICATIONS.

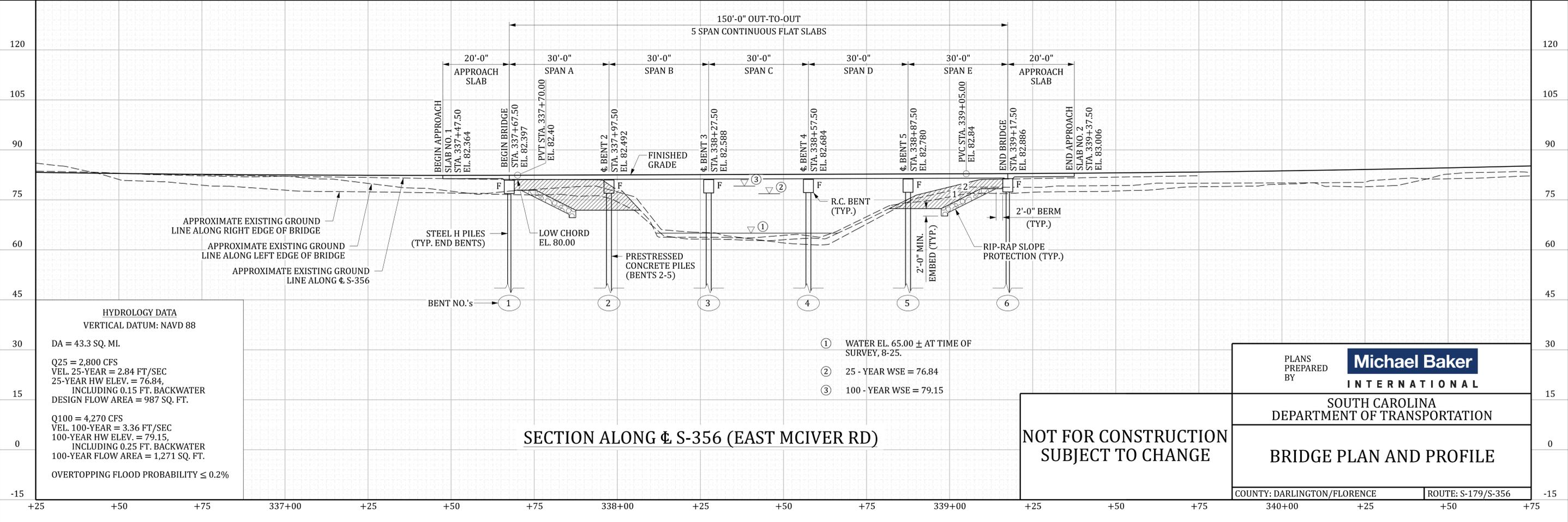
FOUNDATION TYPES AND SIZES SHOWN ARE PRELIMINARY AND SUBJECT TO CHANGE IN FINAL DESIGN BASED ON RESULTS OF GEOTECHNICAL INVESTIGATION.

* ADDITIONAL 3'-9" SHOULDER WIDTH WHEN GUARDRAIL IS PRESENT

▨ AREA OF EXISTING GROUND TO BE REMOVED, SEE ROADWAY PLANS.

F - DENOTES FIXED BEARING

REV.	QUAN.	DR.	DES.	BY	CHK.	DATE	DESCRIPTION OF REVISION

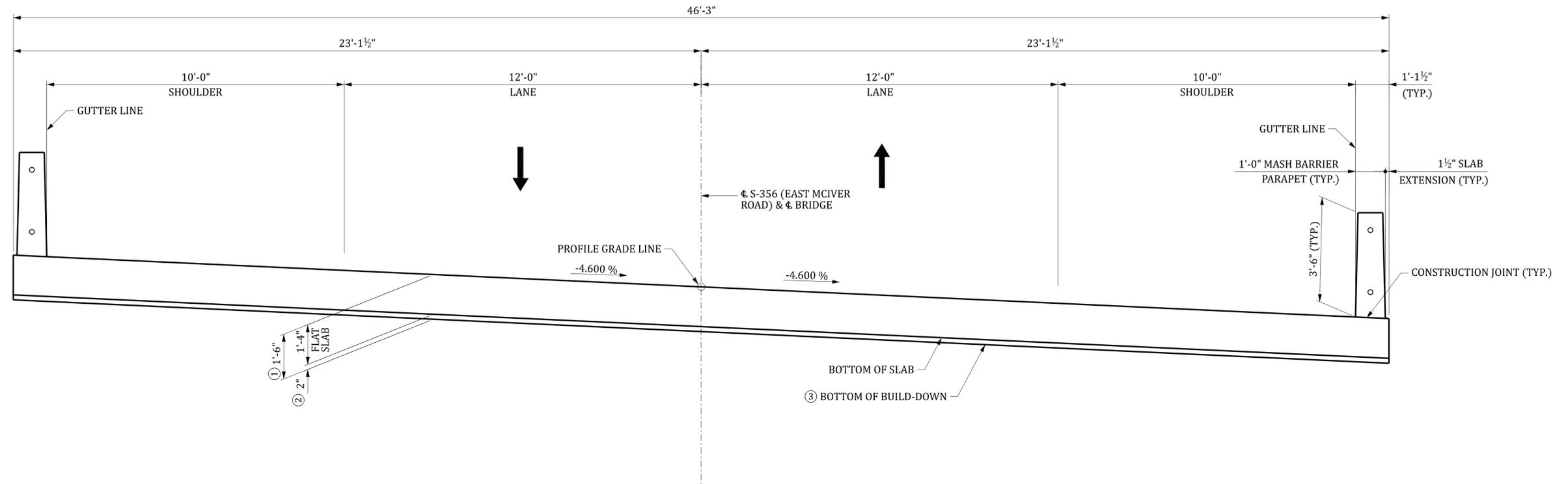


PLANS PREPARED BY **Michael Baker INTERNATIONAL**

SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION

BRIDGE PLAN AND PROFILE

COUNTY: DARLINGTON/FLORENCE ROUTE: S-179/S-356



TYPICAL SECTION

DECK DRAINS NOT SHOWN

- ① AT ⊕ BENT.
- ② INCLUDES 1/2" ELASTOMERIC BEARING PAD.
- ③ TOP OF BENT CAPS MATCH THE ROADWAY CROSS SLOPE.

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REV.	BY	CHK.	DATE	DESCRIPTION OF REVISION

REVIEWED	BY	CHK.	DATE

NOT FOR CONSTRUCTION
SUBJECT TO CHANGE

PLANS PREPARED BY	Michael Baker INTERNATIONAL
SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION	
TYPICAL SECTION	
COUNTY: DARLINGTON/FLORENCE	ROUTE: S-179/S-356

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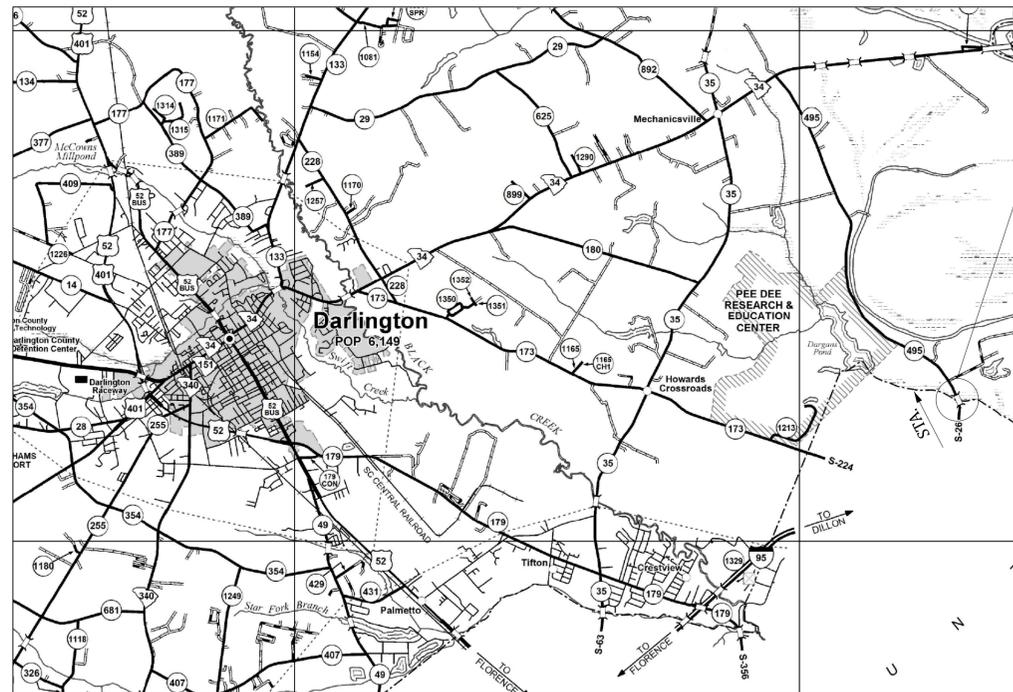
1. TITLE SHEET
2. BRIDGE PLAN AND PROFILE
3. TYPICAL SECTION



SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION



CONCEPTUAL PLANS FOR DARLINGTON/FLORENCE COUNTIES PROJECT ID P043742 ROAD S-495 (GEORGETOWN ROAD) REPLACE BRIDGE OVER BACK SWAMP



SITE LOCATION

APPROXIMATE LOCATION OF BRIDGE IS
 LATITUDE 34°- 17' - 21" N
 LONGITUDE 79°- 42' - 09" W

- N -

LAYOUT

3 DAYS BEFORE DIGGING IN
 SOUTH CAROLINA
CALL 811
 SOUTH CAROLINA 811 (SC811)
 WWW.SC811.COM
 ALL UTILITIES MAY NOT BE A MEMBER OF SC811

ASSET ID _____

*ASSET ID TO BE REQUESTED
 AT THE PRELIMINARY DESIGN
 PHASE.

NET LENGTH OF ROADWAY	0.000	MILES
NET LENGTH OF BRIDGES	0.017	MILES
NET LENGTH OF PROJECT	0.017	MILES
LENGTH OF EXCEPTIONS	0.000	MILES
GROSS LENGTH OF PROJECT	0.017	MILES

TRAFFIC DATA		
2025	ADT	1300 V.P.D.
2045	ADT	2300 V.P.D.
TRUCKS	14	%

NOTE: EXCEPT AS MAY OTHERWISE BE SPECIFIED ON THE PLANS OR IN THE SPECIAL PROVISIONS, ALL MATERIALS AND WORKMANSHIP ON THIS PROJECT SHALL CONFORM TO THE SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION AND THE STANDARD DRAWINGS FOR ROAD CONSTRUCTION IN EFFECT AT THE TIME OF LETTING.

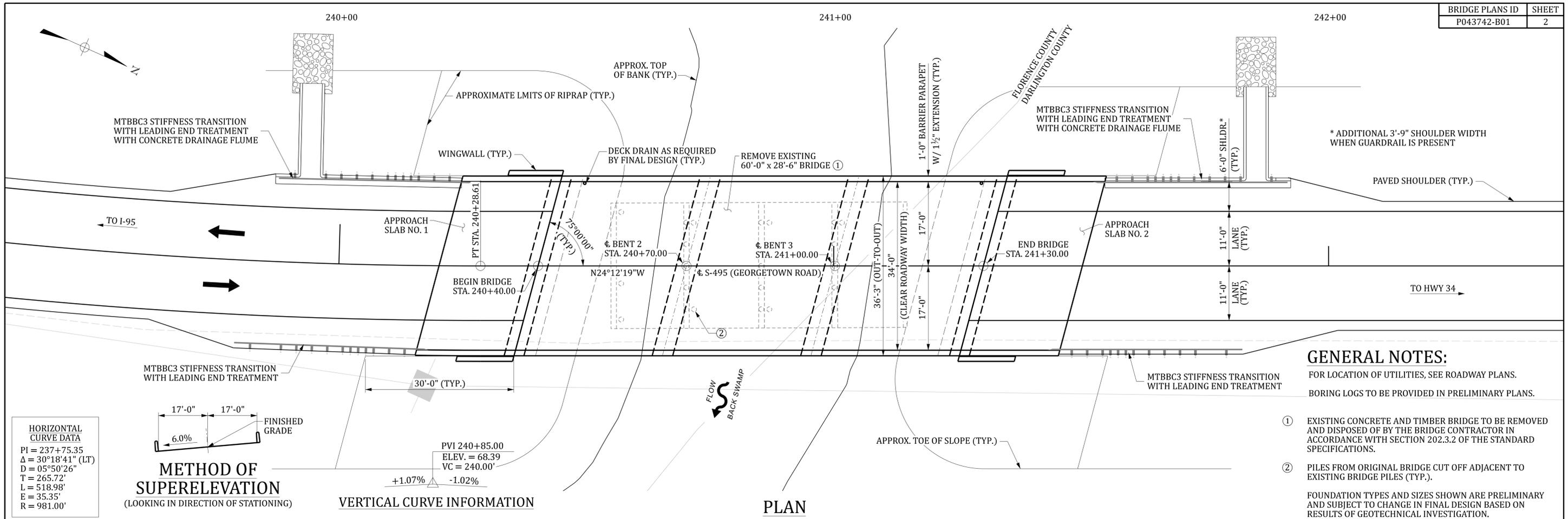
CONSULTING ENGINEERING FIRM

Michael Baker
INTERNATIONAL

ENGINEER OF RECORD

NOT FOR CONSTRUCTION
SUBJECT TO CHANGE

REVIEWED _____ DATE _____
 DR. _____ BY _____
 TB _____ CHK. _____
 BH _____ DATE _____
 12-05
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GENERAL NOTES:

- FOR LOCATION OF UTILITIES, SEE ROADWAY PLANS.
 - BORING LOGS TO BE PROVIDED IN PRELIMINARY PLANS.
 - ① EXISTING CONCRETE AND TIMBER BRIDGE TO BE REMOVED AND DISPOSED OF BY THE BRIDGE CONTRACTOR IN ACCORDANCE WITH SECTION 202.3.2 OF THE STANDARD SPECIFICATIONS.
 - ② PILES FROM ORIGINAL BRIDGE CUT OFF ADJACENT TO EXISTING BRIDGE PILES (TYP.).
- FOUNDATION TYPES AND SIZES SHOWN ARE PRELIMINARY AND SUBJECT TO CHANGE IN FINAL DESIGN BASED ON RESULTS OF GEOTECHNICAL INVESTIGATION.

HORIZONTAL CURVE DATA

PI = 237+75.35
 $\Delta = 30^\circ 18' 41''$ (LT)
D = 05°50'26"
T = 265.72'
L = 518.98'
E = 35.35'
R = 981.00'

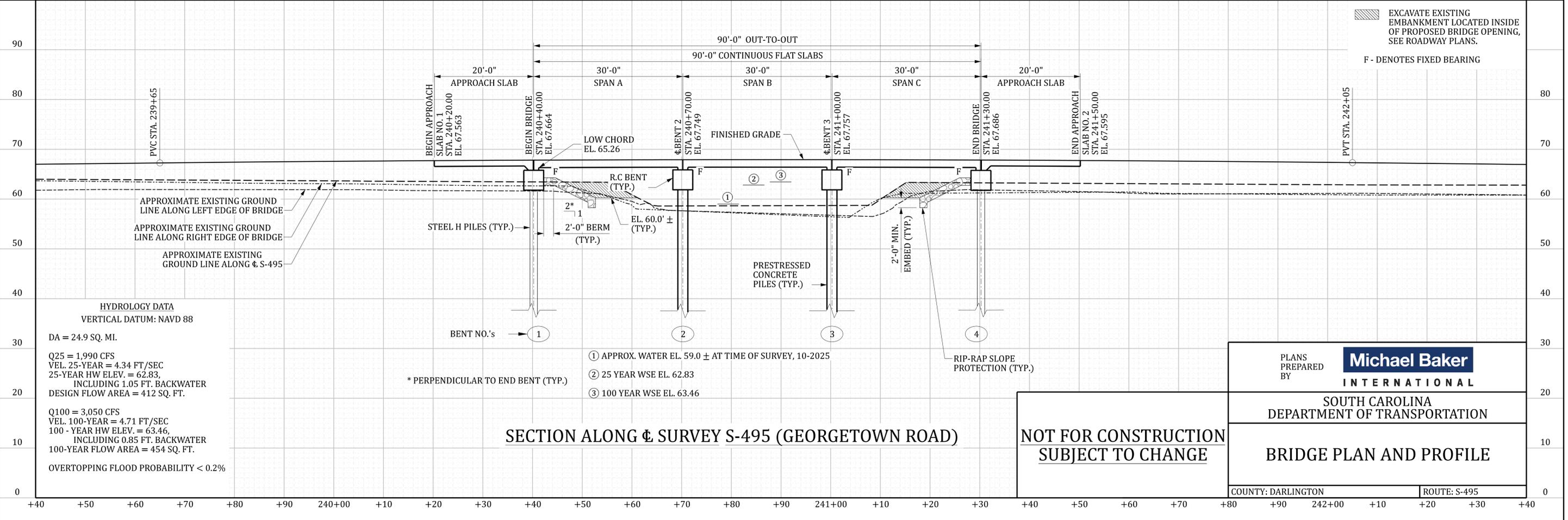
METHOD OF SUPERELEVATION
(LOOKING IN DIRECTION OF STATIONING)

VERTICAL CURVE INFORMATION

PLAN

REV.	BY	CHK.	DATE	DESCRIPTION OF REVISION

REVIEWED	QUAN.	TB	BH	12-25



HYDROLOGY DATA
VERTICAL DATUM: NAVD 88

DA = 24.9 SQ. MI.

Q25 = 1,990 CFS
VEL. 25-YEAR = 4.34 FT/SEC
25-YEAR HW ELEV. = 62.83,
INCLUDING 1.05 FT. BACKWATER
DESIGN FLOW AREA = 412 SQ. FT.

Q100 = 3,050 CFS
VEL. 100-YEAR = 4.71 FT/SEC
100-YEAR HW ELEV. = 63.46,
INCLUDING 0.85 FT. BACKWATER
100-YEAR FLOW AREA = 454 SQ. FT.

OVERTOPPING FLOOD PROBABILITY < 0.2%

SECTION ALONG & SURVEY S-495 (GEORGETOWN ROAD)

NOT FOR CONSTRUCTION
SUBJECT TO CHANGE

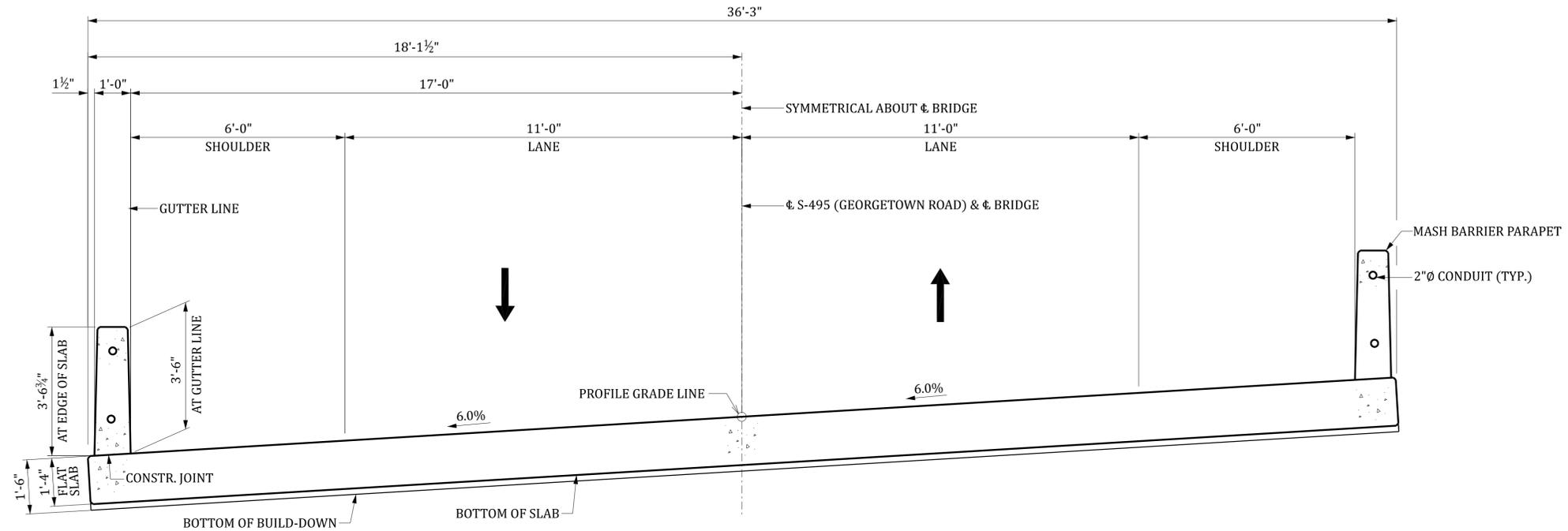
PLANS PREPARED BY

Michael Baker INTERNATIONAL

SOUTH CAROLINA
DEPARTMENT OF TRANSPORTATION

BRIDGE PLAN AND PROFILE

COUNTY: DARLINGTON ROUTE: S-495



TYPICAL SECTION
DECK DRAINS NOT SHOWN

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REV.	BY	CHK.	DATE	DESCRIPTION OF REVISION

REVIEWED	BY	CHK.	DATE

NOT FOR CONSTRUCTION
SUBJECT TO CHANGE

PLANS PREPARED BY	Michael Baker INTERNATIONAL
SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION	
TYPICAL SECTION	
COUNTY: DARLINGTON	ROUTE: S-495

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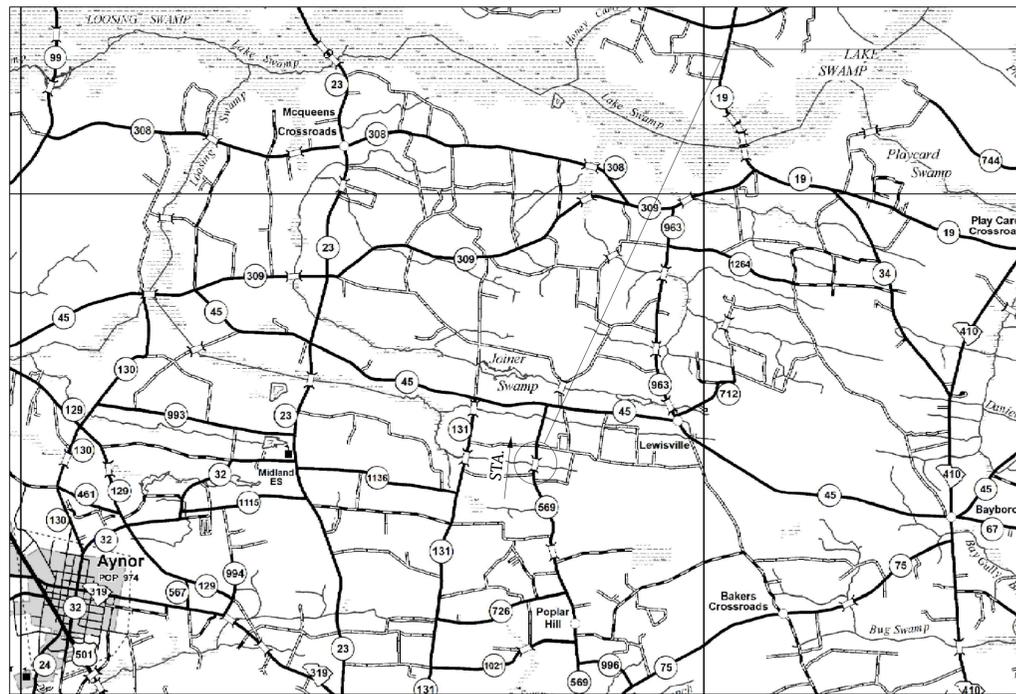
1. TITLE SHEET
2. BRIDGE PLAN AND PROFILE
3. TYPICAL SECTION



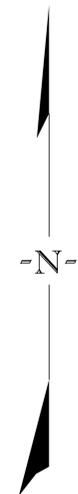
SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION



CONCEPTUAL PLANS FOR HORRY COUNTY PROJECT ID P043743 ROAD S-569 (GOOD LUCK ROAD) REPLACE BRIDGE OVER LOUSING SWAMP



SITE LOCATION



APPROXIMATE LOCATION OF BRIDGE IS	
LATITUDE	34° - 01' - 12" N
LONGITUDE	79° - 06' - 23" W

LAYOUT

3 DAYS BEFORE DIGGING IN
SOUTH CAROLINA
CALL 811
SOUTH CAROLINA 811 (SC811)
WWW.SC811.COM
ALL UTILITIES MAY NOT BE A MEMBER OF SC811

ASSET ID XXXXX*

*ASSET ID TO BE REQUESTED
AT THE PRELIMINARY DESIGN
PHASE.

NET LENGTH OF ROADWAY	0.000	MILES
NET LENGTH OF BRIDGES	0.015	MILES
NET LENGTH OF PROJECT	0.015	MILES
LENGTH OF EXCEPTIONS	0.000	MILES
GROSS LENGTH OF PROJECT	0.015	MILES

TRAFFIC DATA			
2025	ADT	1,200	V.P.D.
2045	ADT	1,600	V.P.D.
TRUCKS	5	%	

NOTE: EXCEPT AS MAY OTHERWISE BE SPECIFIED ON THE PLANS OR IN THE SPECIAL PROVISIONS, ALL MATERIALS AND WORKMANSHIP ON THIS PROJECT SHALL CONFORM TO THE SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION AND THE STANDARD DRAWINGS FOR ROAD CONSTRUCTION IN EFFECT AT THE TIME OF LETTING.

CONSULTING ENGINEERING FIRM

Michael Baker

INTERNATIONAL

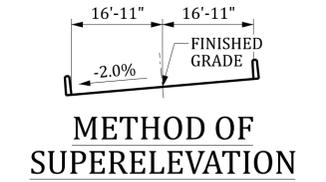
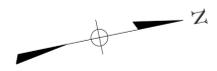
ENGINEER OF RECORD

NOT FOR CONSTRUCTION

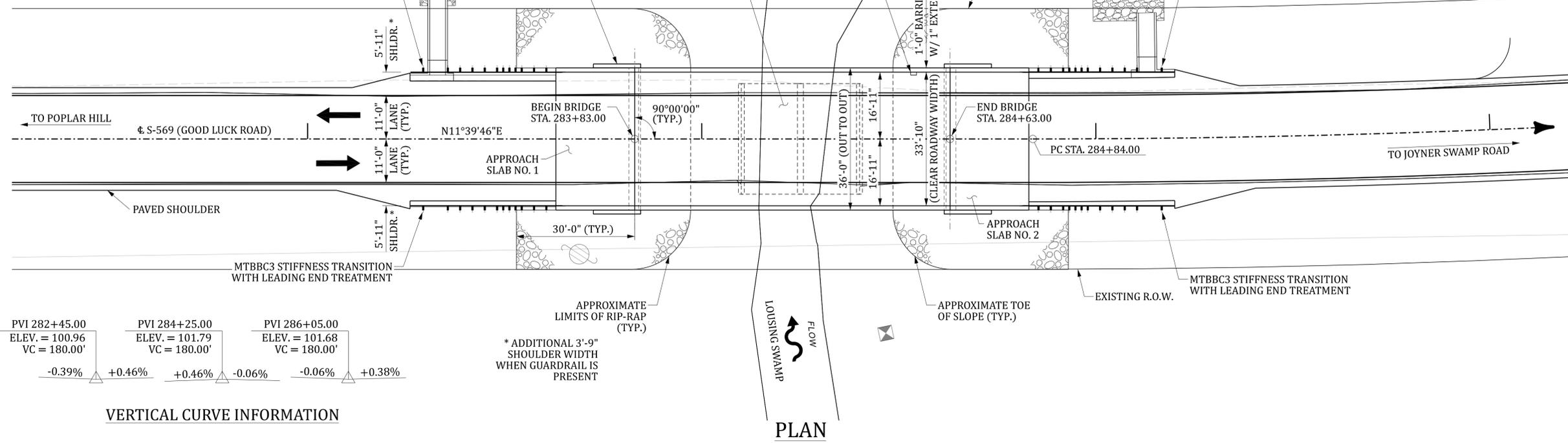
SUBJECT TO CHANGE

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 REVIEWED DR. CIC BY CHK DATE 10-25

HORIZONTAL CURVE DATA
 PI = 286+76.33
 Δ = 07°40'54" (LT)
 D = 02°00'00"
 T = 192.33'
 L = 384.09'
 E = 6.45'
 R = 2,864.79'



METHOD OF SUPERELEVATION
 (LOOKING IN DIRECTION OF STATIONING)



GENERAL NOTES:

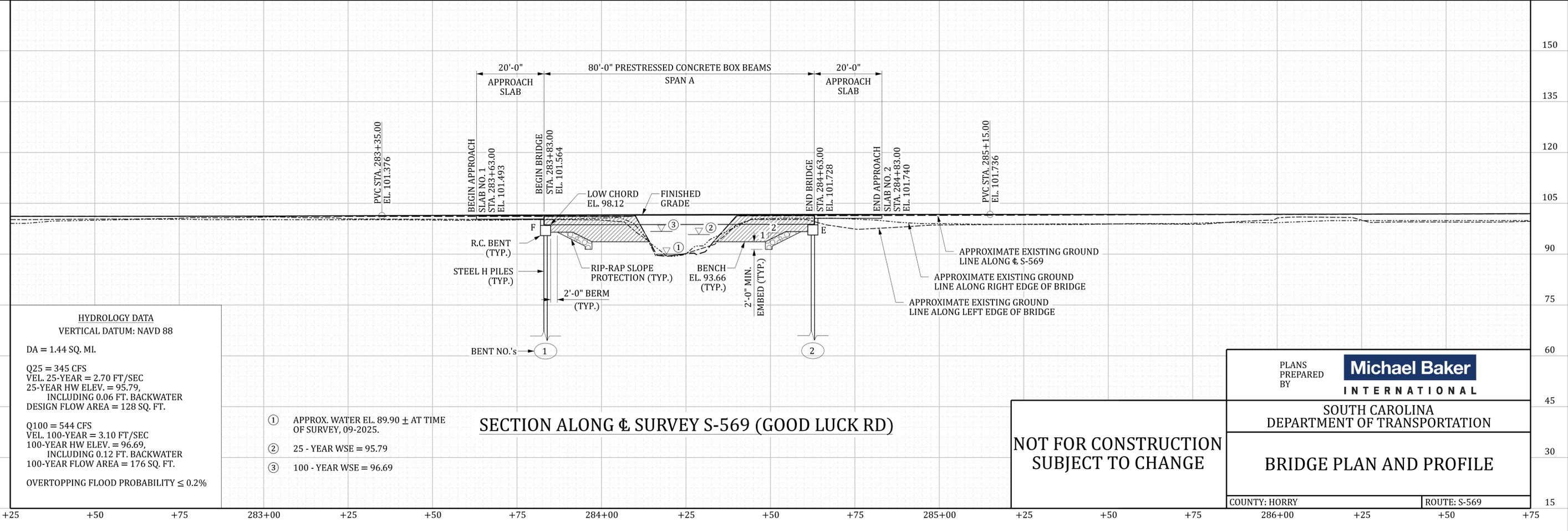
- FOR LOCATION OF UTILITIES, SEE ROADWAY PLANS.
- BORING LOGS TO BE PROVIDED IN PRELIMINARY PLANS.
- ④ EXISTING CONCRETE AND TIMBER BRIDGE TO BE REMOVED AND DISPOSED OF BY THE BRIDGE CONTRACTOR IN ACCORDANCE WITH SECTION 202.3.2 OF THE STANDARD SPECIFICATIONS.
- FOUNDATION TYPES AND SIZES SHOWN ARE PRELIMINARY AND SUBJECT TO CHANGE IN FINAL DESIGN BASED ON RESULTS OF GEOTECHNICAL INVESTIGATION.
- AREA OF EXISTING GROUND TO BE REMOVED, SEE ROADWAY PLANS.
- F - DENOTES FIXED BEARING
- E - DENOTES EXPANSION BEARING

VERTICAL CURVE INFORMATION

PVI 282+45.00 ELEV. = 100.96 VC = 180.00'	PVI 284+25.00 ELEV. = 101.79 VC = 180.00'	PVI 286+05.00 ELEV. = 101.68 VC = 180.00'
-0.39%	+0.46%	+0.46%
	-0.06%	-0.06%
		+0.38%

* ADDITIONAL 3'-9" SHOULDER WIDTH WHEN GUARDRAIL IS PRESENT

REV.	BY	CHK.	DATE	DESCRIPTION OF REVISION



HYDROLOGY DATA
 VERTICAL DATUM: NAVD 88

DA = 1.44 SQ. MI.

Q25 = 345 CFS
 VEL. 25-YEAR = 2.70 FT/SEC
 25-YEAR HW ELEV. = 95.79,
 INCLUDING 0.06 FT. BACKWATER
 DESIGN FLOW AREA = 128 SQ. FT.

Q100 = 544 CFS
 VEL. 100-YEAR = 3.10 FT/SEC
 100-YEAR HW ELEV. = 96.69,
 INCLUDING 0.12 FT. BACKWATER
 100-YEAR FLOW AREA = 176 SQ. FT.

OVERTOPPING FLOOD PROBABILITY ≤ 0.2%

- ① APPROX. WATER EL. 89.90 ± AT TIME OF SURVEY, 09-2025.
- ② 25 - YEAR WSE = 95.79
- ③ 100 - YEAR WSE = 96.69

SECTION ALONG & SURVEY S-569 (GOOD LUCK RD)

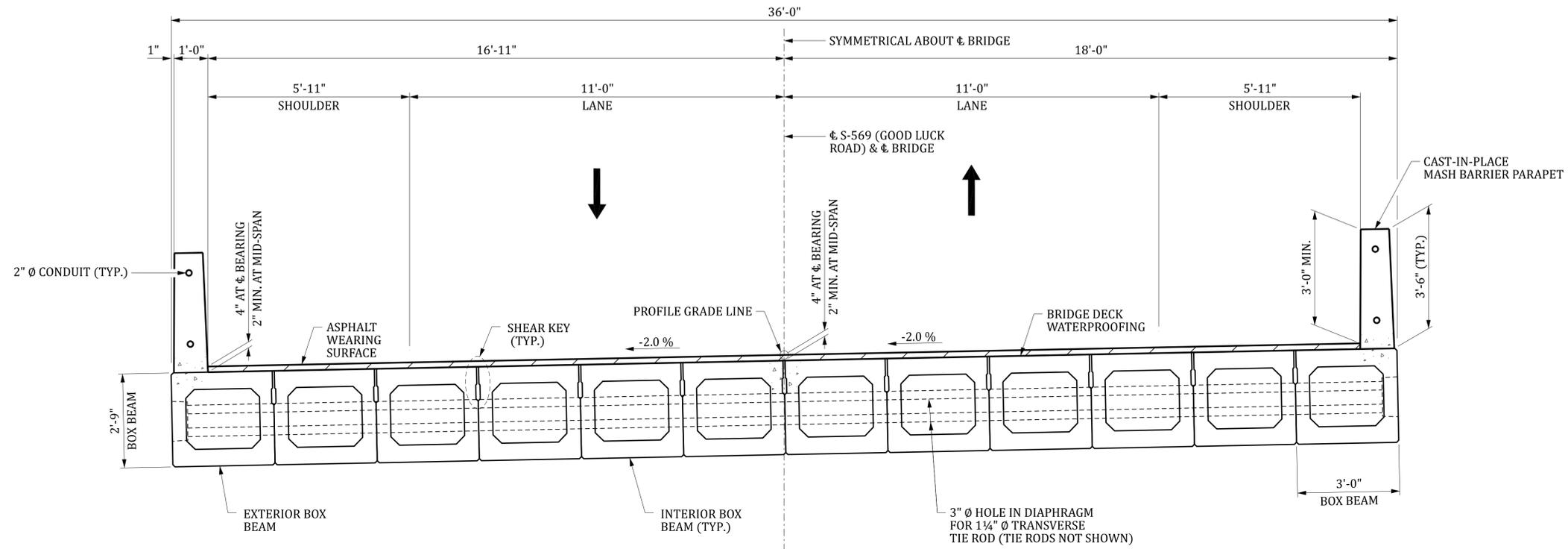
**NOT FOR CONSTRUCTION
 SUBJECT TO CHANGE**

PLANS PREPARED BY **Michael Baker INTERNATIONAL**

SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION

BRIDGE PLAN AND PROFILE

COUNTY: HORRY ROUTE: S-569



TYPICAL SECTION

DECK DRAINS NOT SHOWN

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SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION	
TYPICAL SECTION	
COUNTY: HORRY	ROUTE: S-569

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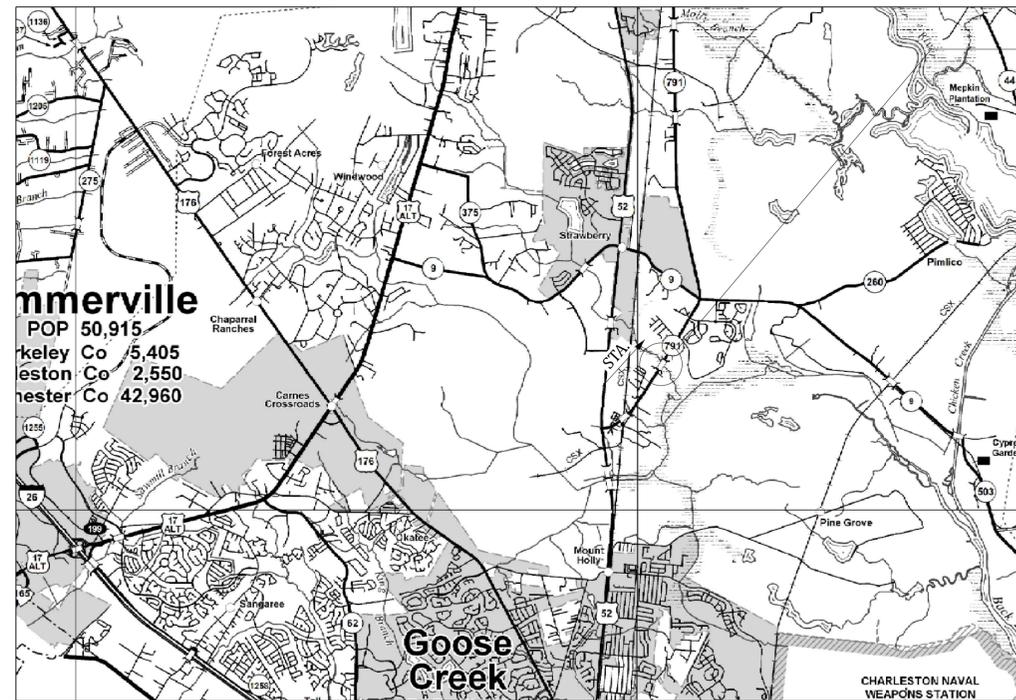
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3. TYPICAL SECTION



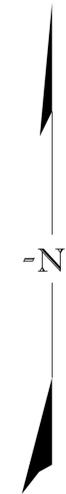
SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION



CONCEPTUAL PLANS FOR BERKELEY COUNTY PROJECT ID P043750 ROAD S-791 (OLD HWY 52) REPLACE BRIDGE OVER CANTERHILL SWAMP



SITE LOCATION



APPROXIMATE LOCATION OF BRIDGE IS	
LATITUDE	33° - 04' - 14" N
LONGITUDE	80° - 01' - 20" W

LAYOUT

3 DAYS BEFORE DIGGING IN
SOUTH CAROLINA
CALL 811
SOUTH CAROLINA 811 (SC811)
WWW.SC811.COM
ALL UTILITIES MAY NOT BE A MEMBER OF SC811

ASSET ID _____*
*ASSET ID TO BE REQUESTED
AT THE PRELIMINARY DESIGN
PHASE.

NET LENGTH OF ROADWAY	0.000	MILES
NET LENGTH OF BRIDGES	0.017	MILES
NET LENGTH OF PROJECT	0.017	MILES
LENGTH OF EXCEPTIONS	0.000	MILES
GROSS LENGTH OF PROJECT	0.017	MILES

TRAFFIC DATA		
2025	ADT	7700 V.P.D.
2045	ADT	12300 V.P.D.
TRUCKS	4	%

NOTE: EXCEPT AS MAY OTHERWISE BE SPECIFIED ON THE PLANS OR IN THE SPECIAL PROVISIONS, ALL MATERIALS AND WORKMANSHIP ON THIS PROJECT SHALL CONFORM TO THE SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION AND THE STANDARD DRAWINGS FOR ROAD CONSTRUCTION IN EFFECT AT THE TIME OF LETTING.

CONSULTING ENGINEERING FIRM

Michael Baker

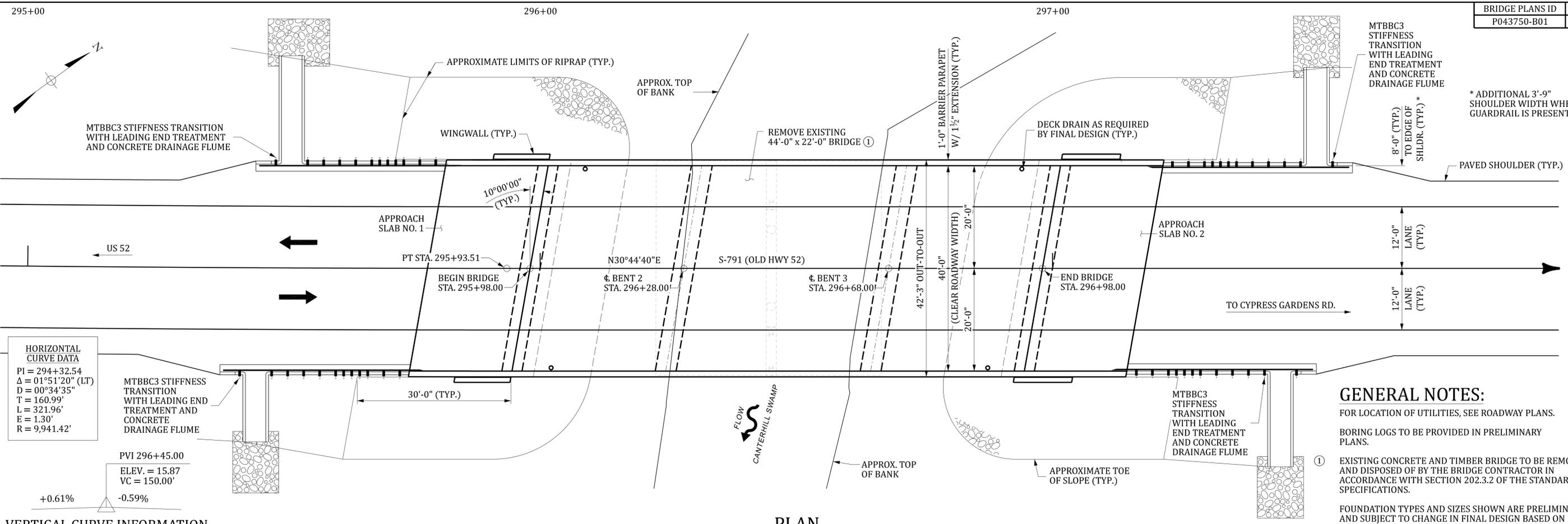
INTERNATIONAL

ENGINEER OF RECORD

NOT FOR CONSTRUCTION

SUBJECT TO CHANGE

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 TB BY: _____ CHK: _____
 DR. BY: _____ DATE: _____
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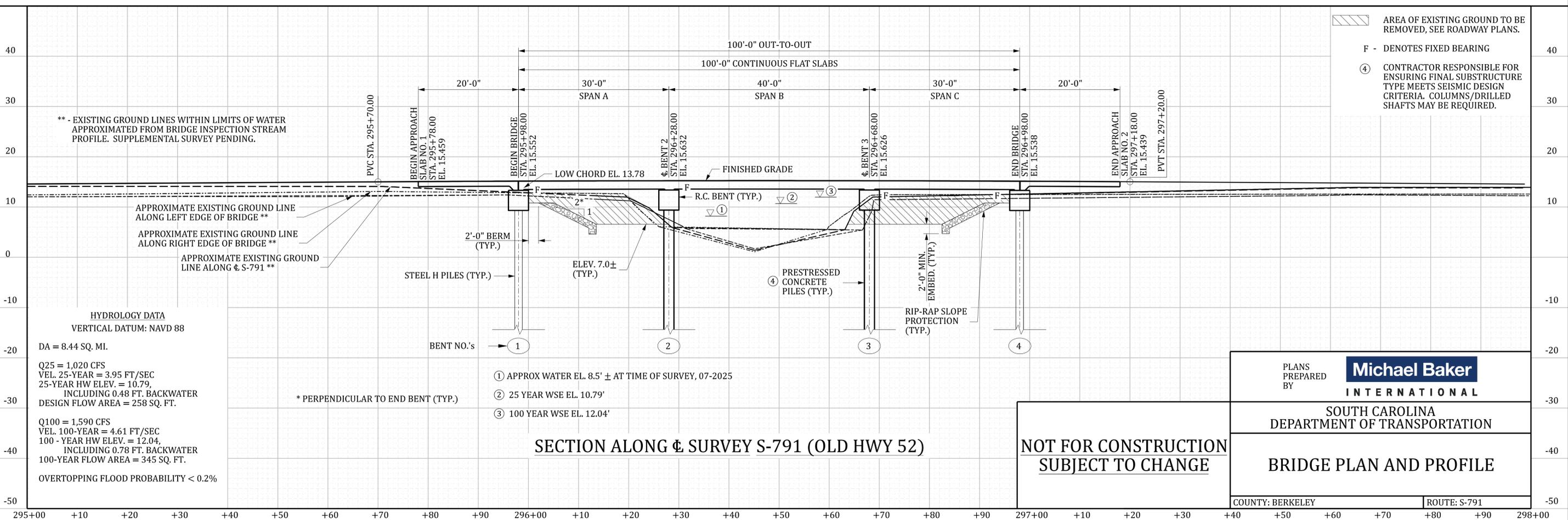


HORIZONTAL CURVE DATA
 PI = 294+32.54
 Δ = 01°51'20" (LT)
 D = 00°34'35"
 T = 160.99'
 L = 321.96'
 E = 1.30'
 R = 9,941.42'

VERTICAL CURVE INFORMATION
 PVI 296+45.00
 ELEV. = 15.87
 VC = 150.00'
 +0.61% -0.59%

GENERAL NOTES:
 FOR LOCATION OF UTILITIES, SEE ROADWAY PLANS.
 BORING LOGS TO BE PROVIDED IN PRELIMINARY PLANS.
 (1) EXISTING CONCRETE AND TIMBER BRIDGE TO BE REMOVED AND DISPOSED OF BY THE BRIDGE CONTRACTOR IN ACCORDANCE WITH SECTION 202.3.2 OF THE STANDARD SPECIFICATIONS.
 FOUNDATION TYPES AND SIZES SHOWN ARE PRELIMINARY AND SUBJECT TO CHANGE IN FINAL DESIGN BASED ON RESULTS OF GEOTECHNICAL INVESTIGATION.

PLAN



SECTION ALONG CL SURVEY S-791 (OLD HWY 52)

**NOT FOR CONSTRUCTION
 SUBJECT TO CHANGE**

PLANS PREPARED BY **Michael Baker INTERNATIONAL**

SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION

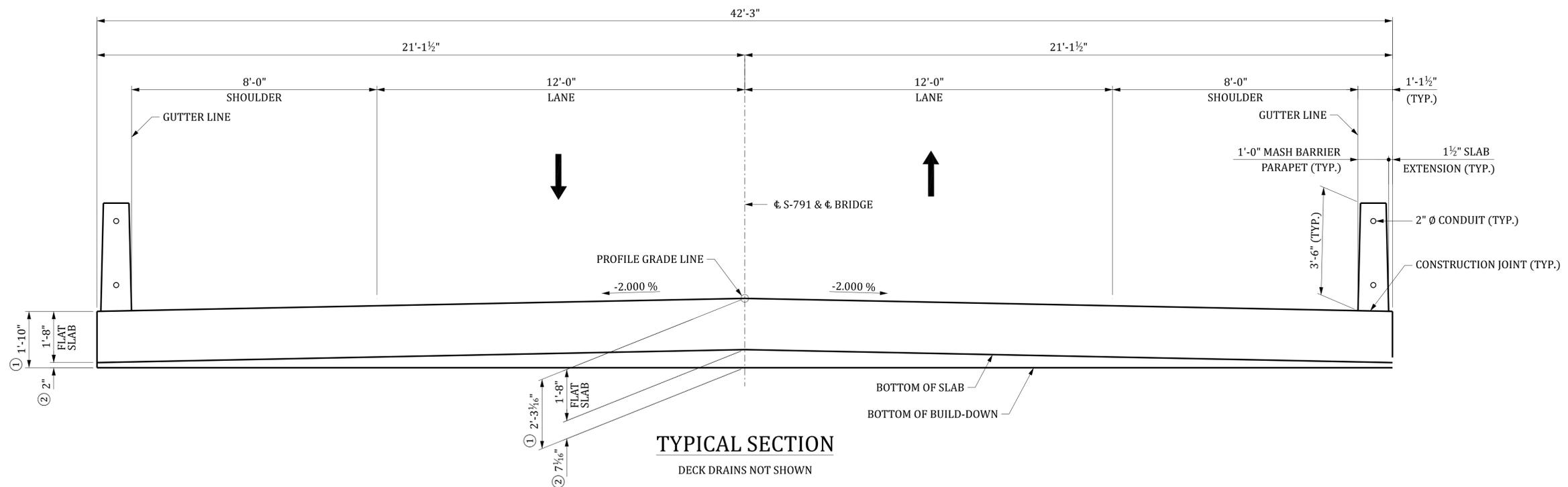
BRIDGE PLAN AND PROFILE

COUNTY: BERKELEY ROUTE: S-791

REV.	BY	CHK.	DATE	DESCRIPTION OF REVISION

REVIEWED	QUAN.	DR.	DES.	BY	CHK.	DATE

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TYPICAL SECTION

DECK DRAINS NOT SHOWN

- ① AT ϕ BENT.
- ② INCLUDES $\frac{1}{2}$ " ELASTOMERIC BEARING PAD.

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**NOT FOR CONSTRUCTION
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PLANS PREPARED BY	Michael Baker INTERNATIONAL
SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION	
TYPICAL SECTION	
COUNTY: BERKELEY	ROUTE: S-791

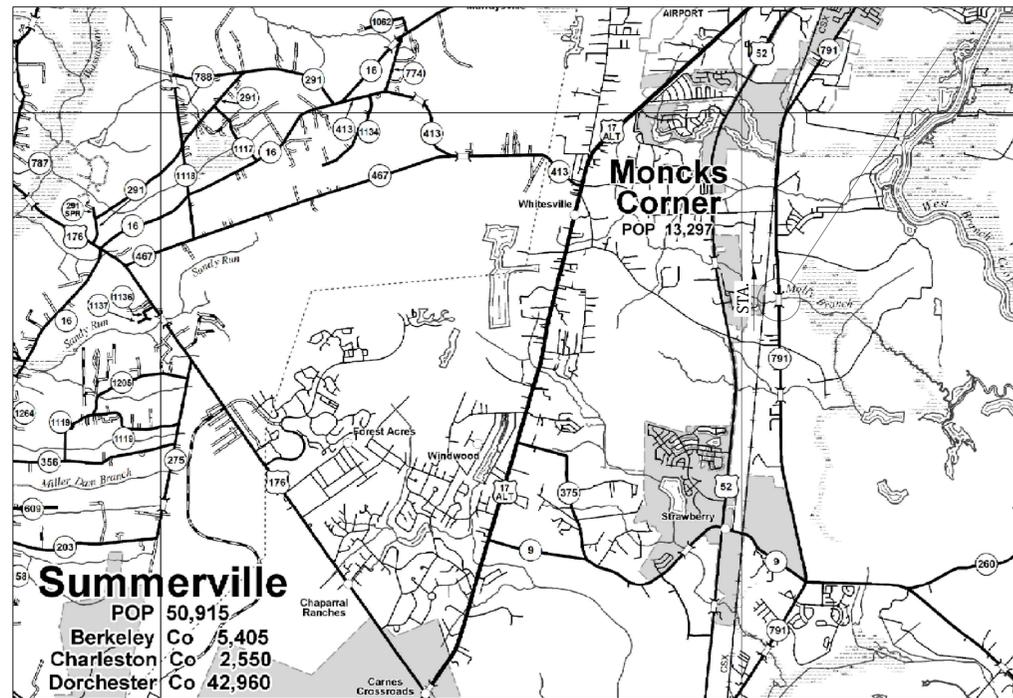
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2. BRIDGE PLAN AND PROFILE
3. TYPICAL SECTION



SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION

CONCEPTUAL PLANS FOR BERKELEY COUNTY PROJECT ID P043748 ROAD S-791 (OLD HWY 52) REPLACE BRIDGE OVER MOLLY BRANCH



SITE LOCATION



APPROXIMATE LOCATION OF BRIDGE IS	
LATITUDE	33° - 07' - 56" N
LONGITUDE	80° - 01' - 08" W

LAYOUT

3 DAYS BEFORE DIGGING IN
SOUTH CAROLINA
CALL 811
SOUTH CAROLINA 811 (SC811)
WWW.SC811.COM
ALL UTILITIES MAY NOT BE A MEMBER OF SC811

ASSET ID _____

*ASSET ID TO BE REQUESTED
AT THE PRELIMINARY DESIGN
PHASE.

NET LENGTH OF ROADWAY	0.000	MILES
NET LENGTH OF BRIDGES	0.022	MILES
NET LENGTH OF PROJECT	0.022	MILES
LENGTH OF EXCEPTIONS	0.000	MILES
GROSS LENGTH OF PROJECT	0.022	MILES

TRAFFIC DATA		
2025	ADT	7,700 V.P.D.
2045	ADT	12,300 V.P.D.
TRUCKS	4	%

NOTE: EXCEPT AS MAY OTHERWISE BE SPECIFIED ON THE PLANS OR IN THE SPECIAL PROVISIONS, ALL MATERIALS AND WORKMANSHIP ON THIS PROJECT SHALL CONFORM TO THE SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION AND THE STANDARD DRAWINGS FOR ROAD CONSTRUCTION IN EFFECT AT THE TIME OF LETTING.

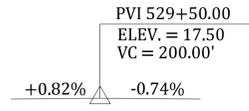
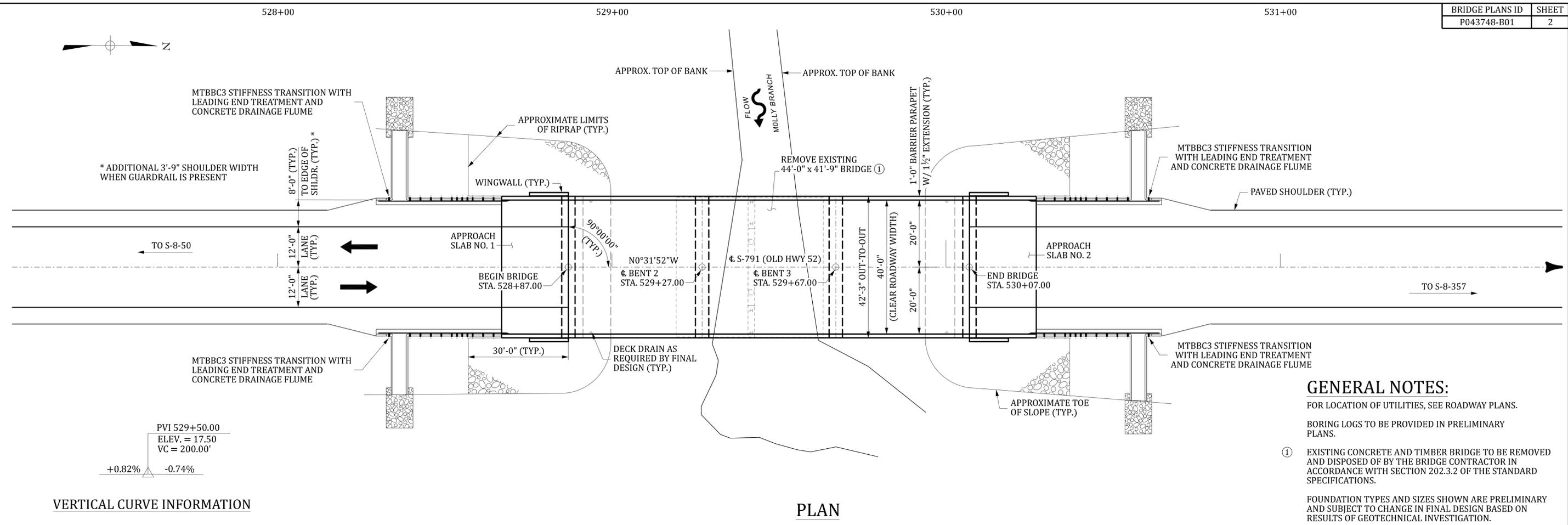
CONSULTING ENGINEERING FIRM

Michael Baker
INTERNATIONAL

ENGINEER OF RECORD

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REVIEWED: _____ DATE: 02-26
 TB BY: _____ CHK: _____
 DR. _____



VERTICAL CURVE INFORMATION

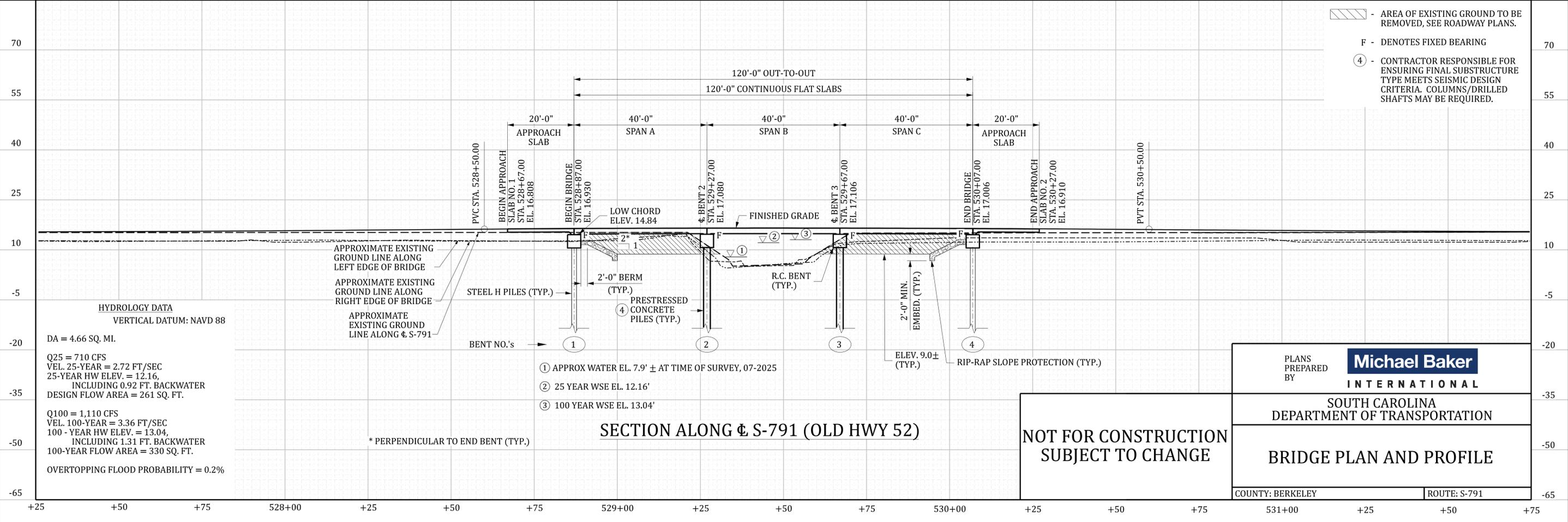
PLAN

GENERAL NOTES:

- FOR LOCATION OF UTILITIES, SEE ROADWAY PLANS.
- BORING LOGS TO BE PROVIDED IN PRELIMINARY PLANS.
- ① EXISTING CONCRETE AND TIMBER BRIDGE TO BE REMOVED AND DISPOSED OF BY THE BRIDGE CONTRACTOR IN ACCORDANCE WITH SECTION 202.3.2 OF THE STANDARD SPECIFICATIONS.
- FOUNDATION TYPES AND SIZES SHOWN ARE PRELIMINARY AND SUBJECT TO CHANGE IN FINAL DESIGN BASED ON RESULTS OF GEOTECHNICAL INVESTIGATION.

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

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- AREA OF EXISTING GROUND TO BE REMOVED, SEE ROADWAY PLANS.
- F - DENOTES FIXED BEARING
- ④ - CONTRACTOR RESPONSIBLE FOR ENSURING FINAL SUBSTRUCTURE TYPE MEETS SEISMIC DESIGN CRITERIA. COLUMNS/DRILLED SHAFTS MAY BE REQUIRED.

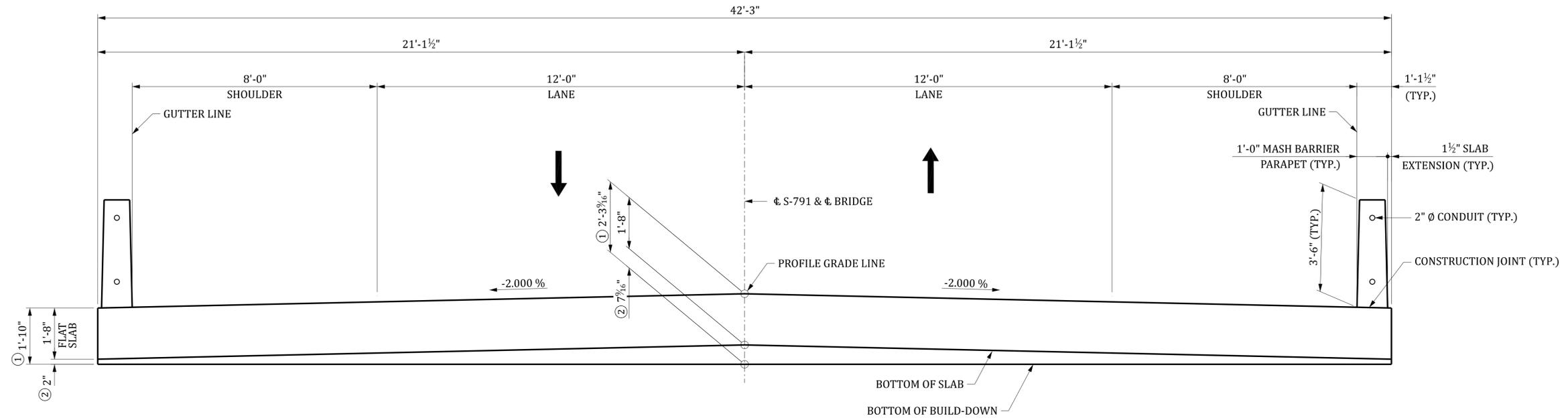
HYDROLOGY DATA
 VERTICAL DATUM: NAVD 88
 DA = 4.66 SQ. MI.
 Q25 = 710 CFS
 VEL. 25-YEAR = 2.72 FT/SEC
 25-YEAR HW ELEV. = 12.16'
 INCLUDING 0.92 FT. BACKWATER
 DESIGN FLOW AREA = 261 SQ. FT.
 Q100 = 1,110 CFS
 VEL. 100-YEAR = 3.36 FT/SEC
 100-YEAR HW ELEV. = 13.04'
 INCLUDING 1.31 FT. BACKWATER
 100-YEAR FLOW AREA = 330 SQ. FT.
 OVERTOPPING FLOOD PROBABILITY = 0.2%

- ① APPROX WATER EL. 7.9' ± AT TIME OF SURVEY, 07-2025
- ② 25 YEAR WSE EL. 12.16'
- ③ 100 YEAR WSE EL. 13.04'

SECTION ALONG ϕ S-791 (OLD HWY 52)

**NOT FOR CONSTRUCTION
 SUBJECT TO CHANGE**

PLANS PREPARED BY **Michael Baker INTERNATIONAL**
 SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
BRIDGE PLAN AND PROFILE
 COUNTY: BERKELEY ROUTE: S-791



TYPICAL SECTION
DECK DRAINS NOT SHOWN

- ① AT ϕ BENT.
- ② INCLUDES 1/2" ELASTOMERIC BEARING PAD.

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PLANS PREPARED BY	Michael Baker INTERNATIONAL
SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION	
TYPICAL SECTION	
COUNTY: BERKELEY	ROUTE: S-791

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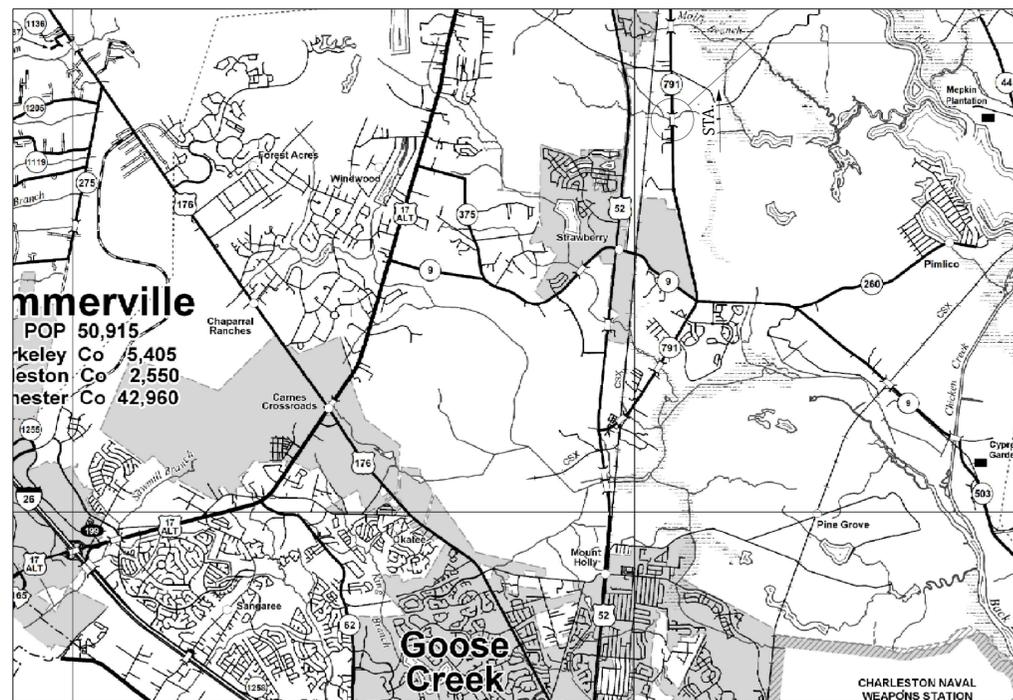
1. TITLE SHEET
2. BRIDGE PLAN AND PROFILE
3. TYPICAL SECTION



SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION



CONCEPTUAL PLANS FOR BERKELEY COUNTY PROJECT ID P043751 ROAD S-791 (OLD HWY 52) REPLACE BRIDGE OVER WAPOOLA CREEK



SITE LOCATION



APPROXIMATE LOCATION OF BRIDGE IS
LATITUDE 33°-06'-55" N
LONGITUDE 80°-01'-07" W

LAYOUT

3 DAYS BEFORE DIGGING IN
SOUTH CAROLINA
CALL 811
SOUTH CAROLINA 811 (SC811)
WWW.SC811.COM
ALL UTILITIES MAY NOT BE A MEMBER OF SC811

ASSET ID _____*
*ASSET ID TO BE REQUESTED
AT THE PRELIMINARY DESIGN
PHASE.

NET LENGTH OF ROADWAY	0.000	MILES
NET LENGTH OF BRIDGES	0.017	MILES
NET LENGTH OF PROJECT	0.017	MILES
LENGTH OF EXCEPTIONS	0.000	MILES
GROSS LENGTH OF PROJECT	0.017	MILES

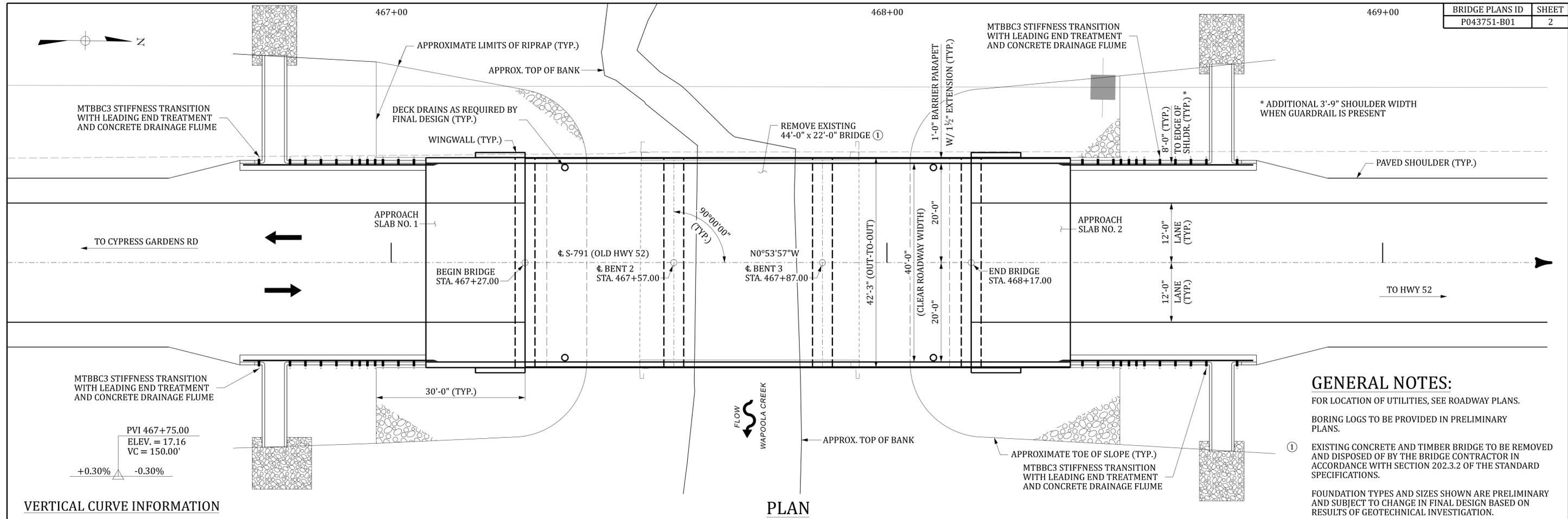
TRAFFIC DATA		
2025	ADT	7,700 V.P.D.
2045	ADT	12,300 V.P.D.
TRUCKS	4	%

NOTE: EXCEPT AS MAY OTHERWISE BE SPECIFIED ON THE PLANS OR IN THE SPECIAL PROVISIONS, ALL MATERIALS AND WORKMANSHIP ON THIS PROJECT SHALL CONFORM TO THE SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION AND THE STANDARD DRAWINGS FOR ROAD CONSTRUCTION IN EFFECT AT THE TIME OF LETTING.

CONSULTING ENGINEERING FIRM
Michael Baker
INTERNATIONAL

ENGINEER OF RECORD
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 CHK. DATE
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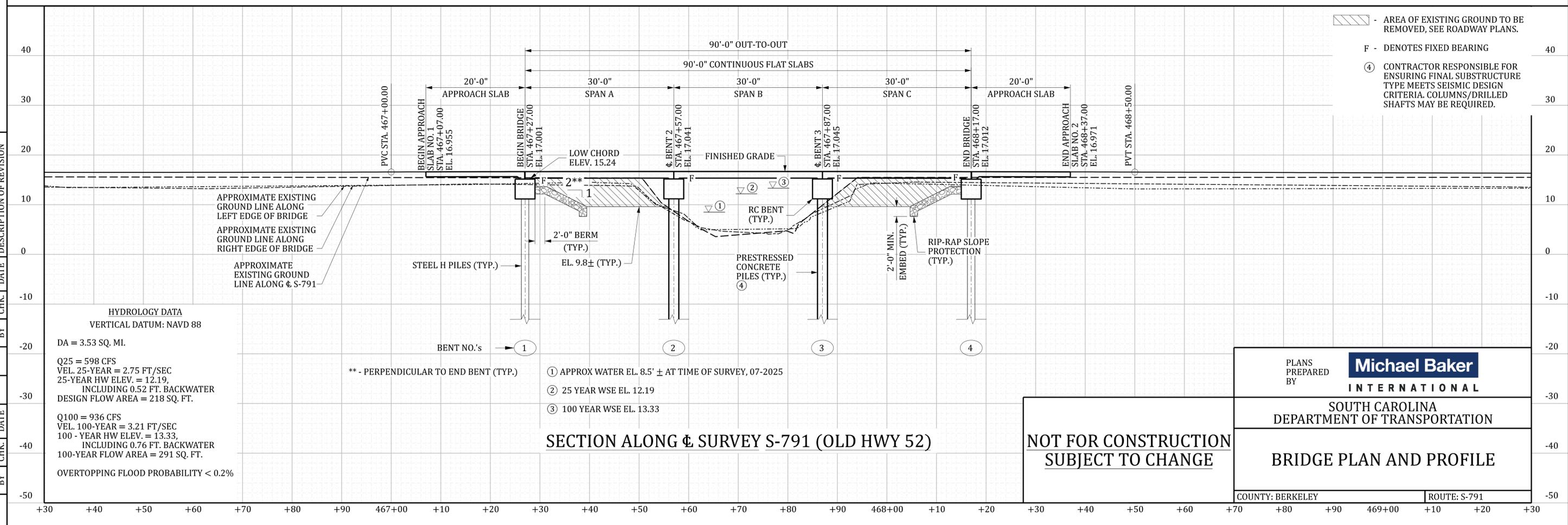
GENERAL NOTES:

FOR LOCATION OF UTILITIES, SEE ROADWAY PLANS.

BORING LOGS TO BE PROVIDED IN PRELIMINARY PLANS.

① EXISTING CONCRETE AND TIMBER BRIDGE TO BE REMOVED AND DISPOSED OF BY THE BRIDGE CONTRACTOR IN ACCORDANCE WITH SECTION 202.3.2 OF THE STANDARD SPECIFICATIONS.

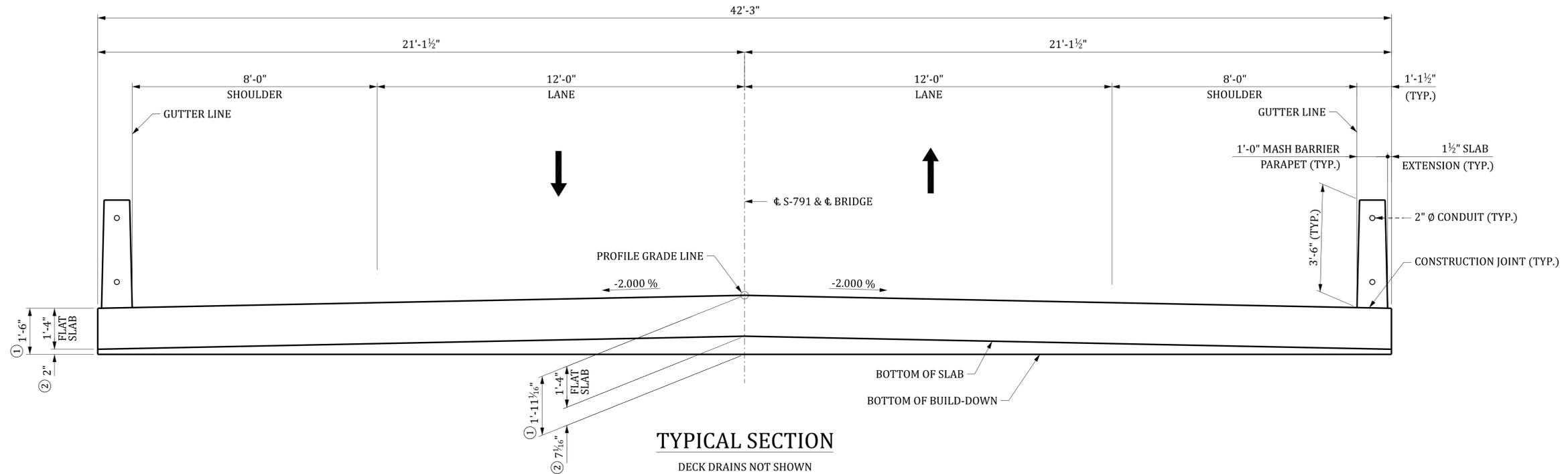
FOUNDATION TYPES AND SIZES SHOWN ARE PRELIMINARY AND SUBJECT TO CHANGE IN FINAL DESIGN BASED ON RESULTS OF GEOTECHNICAL INVESTIGATION.



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- ① AT Φ BENT.
- ② INCLUDES 1/2" ELASTOMERIC BEARING PAD.

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REVIEWED	QUAN.	OS	BH	DATE

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PLANS PREPARED BY	Michael Baker INTERNATIONAL
SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION	
TYPICAL SECTION	
COUNTY: BERKELEY	ROUTE: S-791