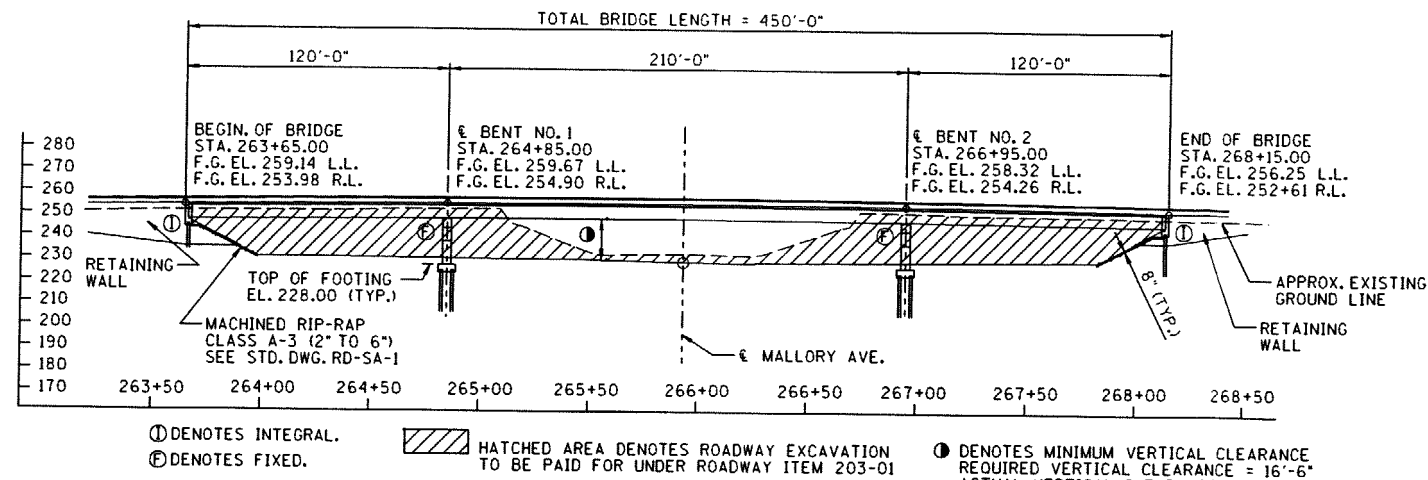
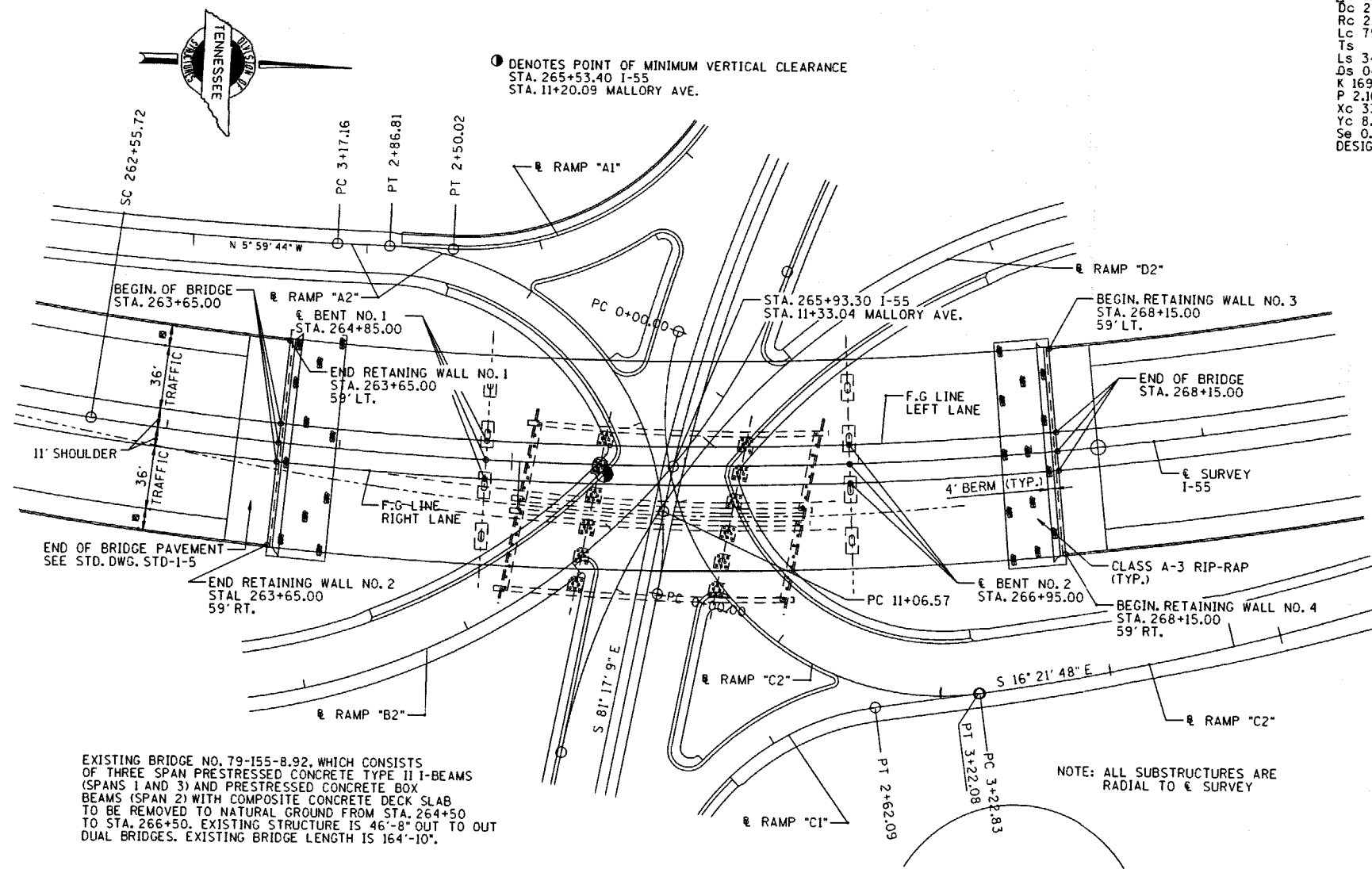




ELEVATION VIEW
(SCALE: 1" = 40')



PLAN VIEW
(SCALE: 1" = 40')

GENERAL NOTES

- 1) SPECIFICATIONS: STANDARD ROAD AND BRIDGE SPECIFICATIONS OF THE TENNESSEE DEPARTMENT OF TRANSPORTATION, (MARCH 1995 EDITION).
- 2) LOADING: HS 20-44 (DEAD LOADS TO INCLUDE 33 LB/FT' FOR FUTURE OVERLAY)
- 3) DESIGN SPECIFICATIONS: AASHTO 2002 EDITION WITH ADDENDA INCLUDING THE STANDARD SPECIFICATIONS FOR SEISMIC DESIGN OF HIGHWAY BRIDGES. (SEISMIC PERFORMANCE CATEGORY C WITH ACCELERATION COEFFICIENT 0.22).
- 4) CONCRETE: CLASS "A" f'c = 3000 PSI. BRIDGE DECK CONCRETE SHALL BE IN ACCORDANCE WITH SECTION 604 OF THE STANDARD SPECIFICATIONS.
- 5) REINFORCING STEEL: TO BE ASTM A615 GRADE 60. (EPOXY COAT ALL SLAB STEEL)
- 6) SUPERSTRUCTURE: TO CONSIST OF 3 SPANS CURVED WELDED PLATE GIRDER (69" WEB) WITH COMPOSITE CONCRETE DECK SLAB
- 7) USE STD-I-1 PARAPET
- 8) USE MULTI-POST BENTS.
- 9) MAINTAIN TRAFFIC BY STAGE CONSTRUCTION
- 10) BRIDGE DECK DRAINS ARE REQUIRED. (CURB OPENING TYPE)
- 11) TEXTURE COATING: TO BE MOUNTAIN GREY (36440) EXCEPT TRAFFIC FACE AND TOP OF PARAPET TO BE OFF-WHITE (37886).
- 12) MACHINED RIP RAP SHALL BE CLASS "A-3" AND SHALL BE 2" TO 6" IN SIZE UNIFORMLY GRADED AND MEET THE QUALITY REQUIREMENTS OF SUBSECTION 918-10 AND SHALL BE MEASURED AND PAID FOR UNDER ROADWAY ITEM 709-05.04
- 13) EXISTING BRIDGE NO. 79-155-8.92 AND APPROACHES TO BE REMOVED TO NATURAL GROUND BETWEEN STATIONS 264+50 AND 266+50.

CURVE DATA

(I-55)
P.I. STA. 266+64.74
N 299770.7190
E 749061.8180
Δ 28° 20' 03.11"
Δ c 19° 50' 03.00"
Dc 2° 30' 00"
Rc 2291.8312'
Lc 793.37'
Ts
Ls 340'
Ds 04° 15' 00"
K 169.9688'
P 2.1013
Xc 339.8130'
Yc 8.4034'
Se 0.065 '/'
DESIGN SPEED = 60 mph

CURVE DATA

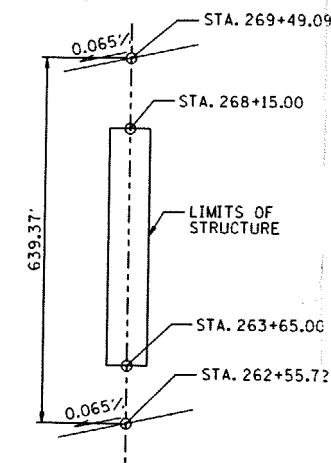
(CURVE A2)
P.I. STA. 1+93.92
N 299830.2495
E 749245.7646
Δ 98° 42' 36.00"
Dc 34° 25' 00"
R 166.4768'
T 193.9234
Lc 286.8087'
Se = R.C.
DESIGN SPEED = 20 mph

CURVE DATA

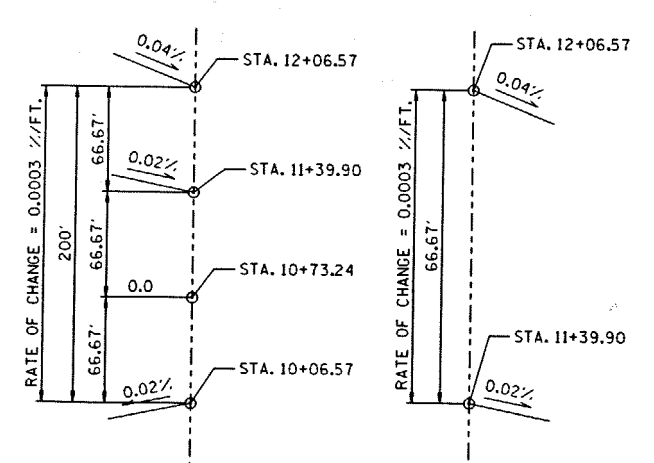
(CURVE B2)
P.I. STA. 12+64.62
N 299880.7396
E 748837.3540
Δ 95° 06' 44.00"
Dc 15° 00' 00"
R 160.2679'
T 417.6696'
Lc 634.0815'
Se = R.C.
DESIGN SPEED = 20 mph

CURVE DATA

(CURVE C2)
P.I. STA. 2+52.26
N 299889.3842
E 748953.1345
Δ 115° 08' 34.01"
Dc 35° 45' 00"
R 160.2679'
T 252.2633'
Lc 322.0777'
Se 0.03 '/'
DESIGN SPEED = 20 mph



TRANSITION SKETCH I-55
(NOT TO SCALE)



TRANSITION SKETCH MALLERY AVE.
(NOT TO SCALE)

CURVE DATA

(CURVE D2)
P.I. STA. 14+10.34
N 299792.2012
E 749261.8030
Δ 122° 19' 38.01"
Dc 35° 45' 00"
R 160.2679'
T 291.0882'
Lc 342.1741'
Se = N.C.
DESIGN SPEED = 20 mph

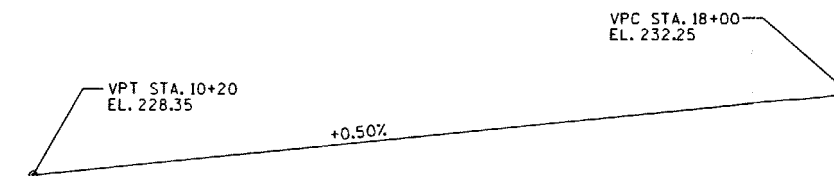
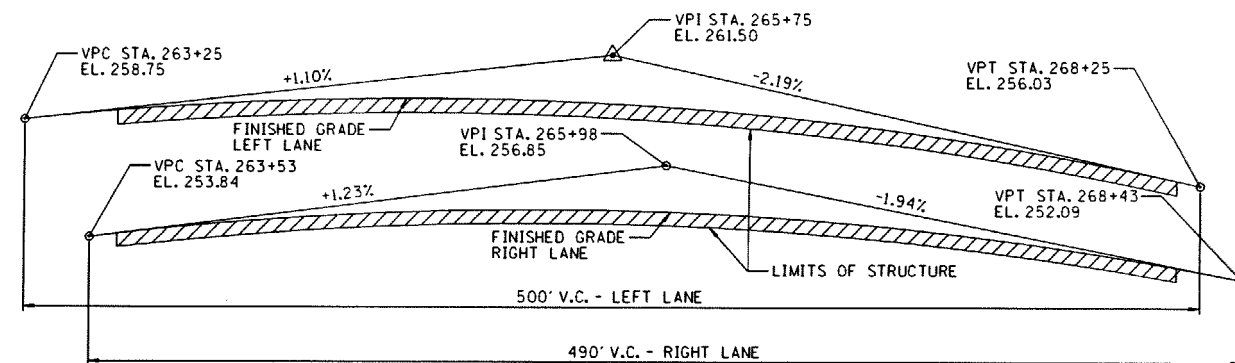
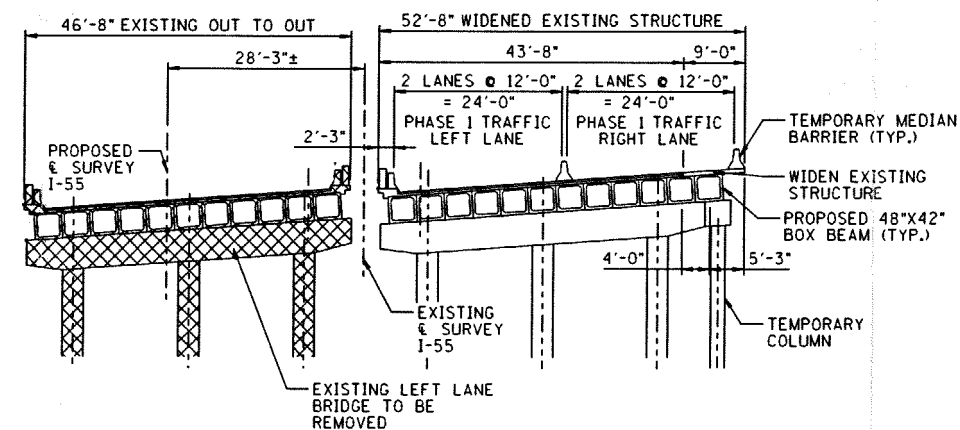
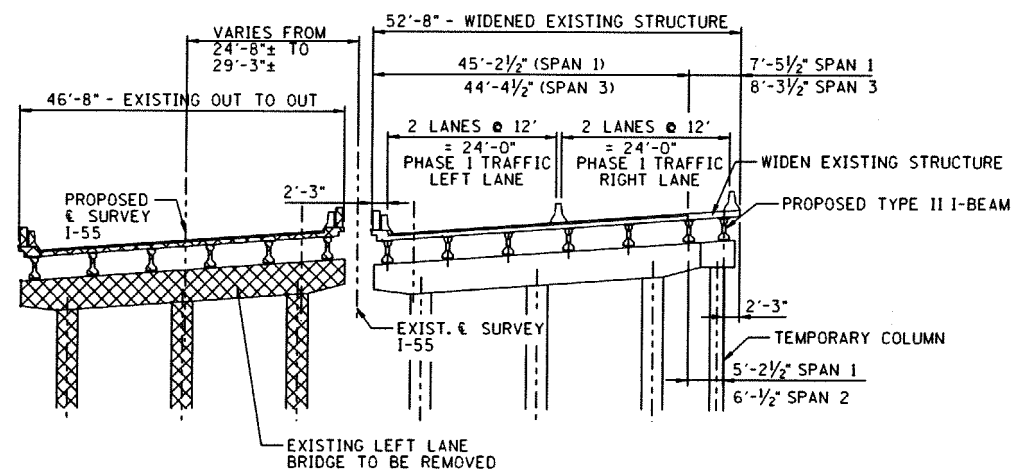
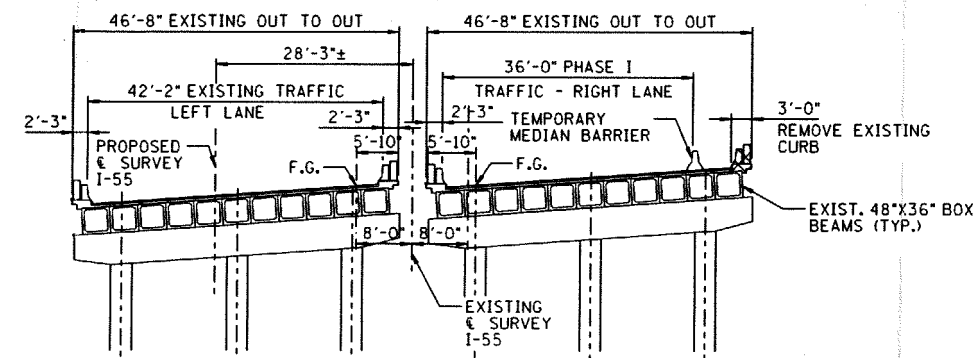
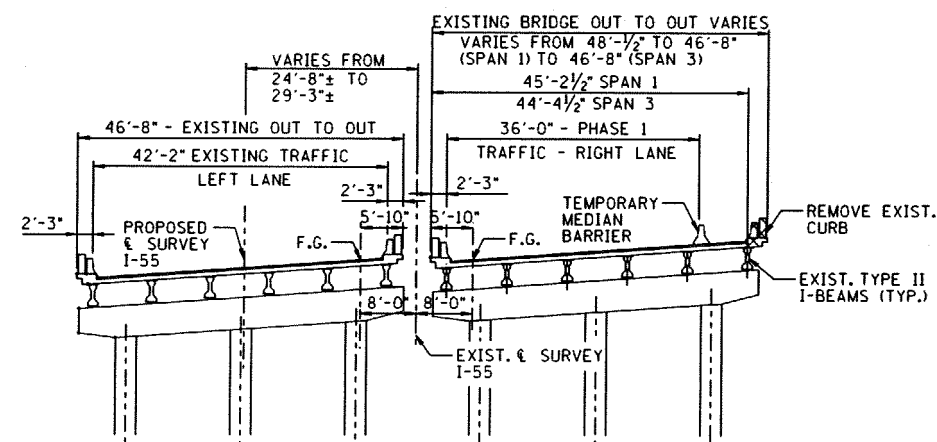
DESIGNED BY K. MARTIN DATE 10/03
DRAWN BY K. MARTIN DATE 10/03
SUPERVISED BY TET DATE 10/03
CHECKED BY TET, JMW DATE 10/03

TEMPORARY MEDIAN BARRIER = 986'-4"

CLASS B RIP-RAP = 526 TONS

CORRECT Edward P. Wasserman
ENGINEER OF STRUCTURES

2025 ADT = 73535
118'-0" ROADWAY WITH STD-I-1 PARAPET
DESIGN SPEED = 60 MPH
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF HIGHWAYS
PRELIMINARY LAYOUT
BRIDGE NO. 1
I-55 OVER MALLORY AVENUE
BRIDGE I.D. NO. 79100550072
STATION 265+93.30
LOG MILE 8.92
SHELBY COUNTY
2005

[illegible]

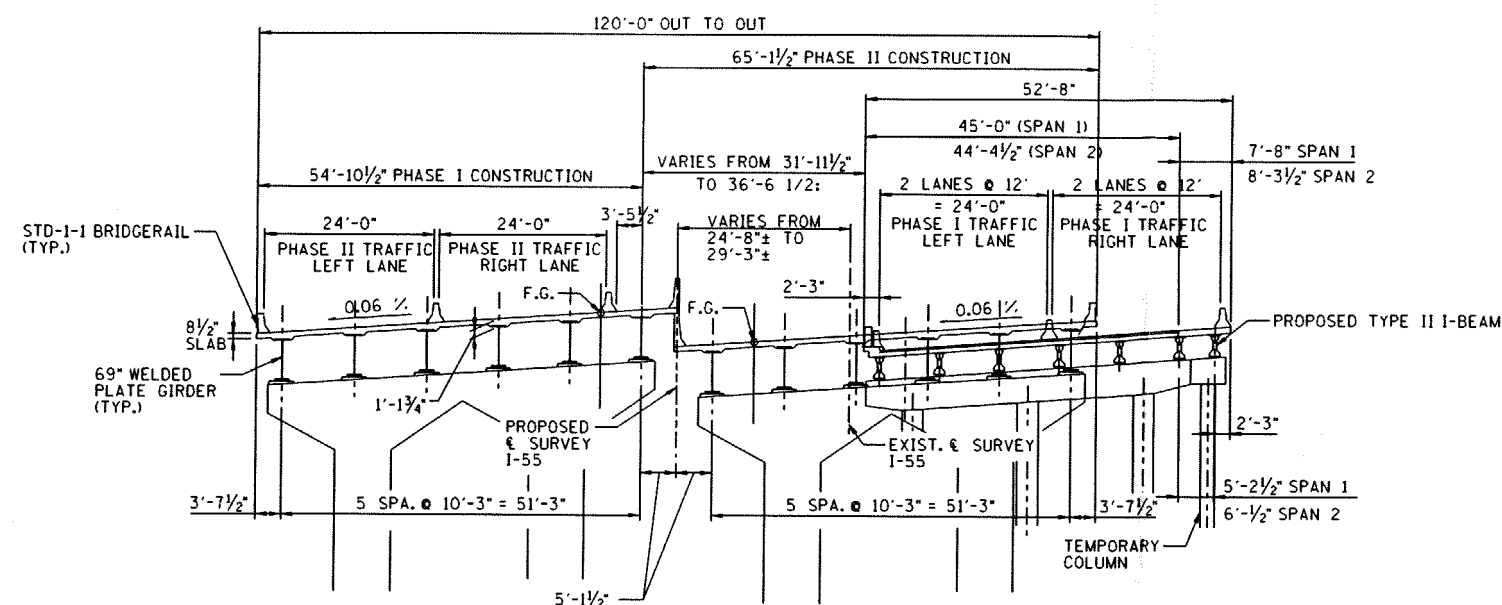
DESIGNED BY K. MARTIN DATE 10/03
DRAWN BY K. MARTIN DATE 10/03
SUPERVISED BY TET DATE 10/03
CHECKED BY TET. JHW DATE 10/03

2025 ADT = 73535
I18'-0" ROADWAY WITH STD-I-1 PARAPET
DESIGN SPEED = 60 MPH
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF HIGHWAYS
PRELIMINARY LAYOUT
BRIDGE NO. 1
I-55 OVER MALLORY AVENUE
BRIDGE I.D. NO. 79I00550072
STATION 265+93.30
LOG MILE 8.92
SHELBY COUNTY
2005

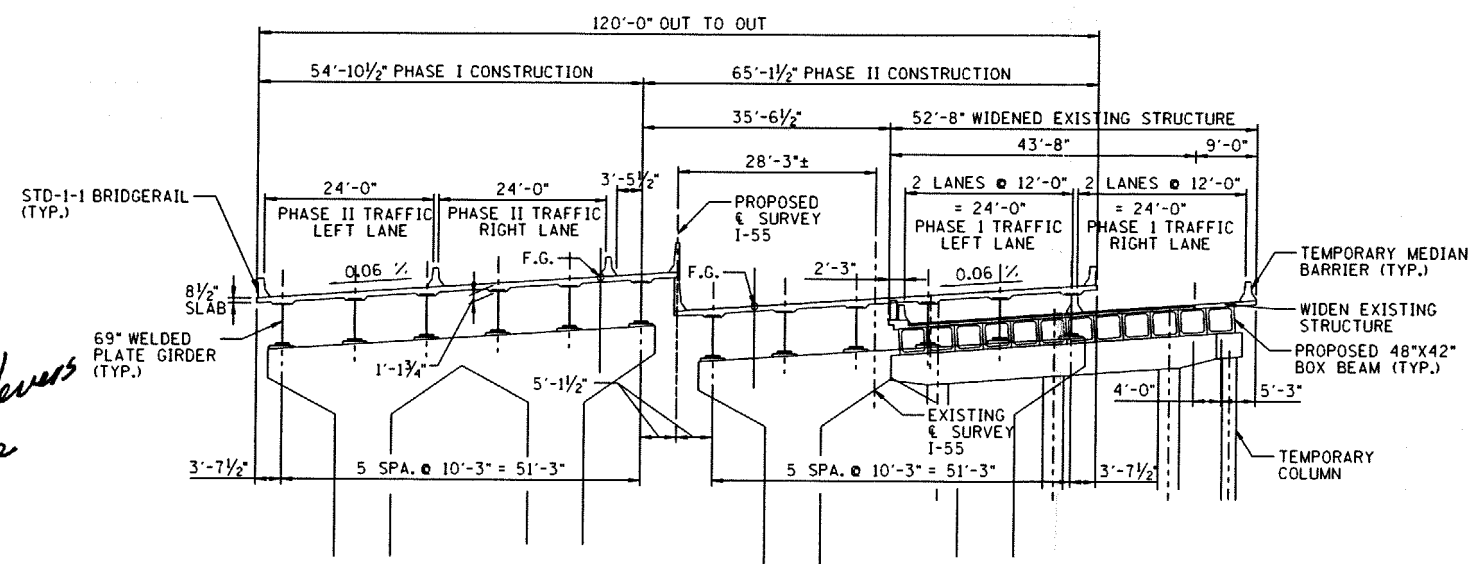
CORRECT Edward P. Wasserman
ENGINEER OF STRUCTURES

PROJECT NO.	YEAR	SHEET NO.
NH-1-55-1(118)8	2005	

REVISIONS

[illegible]

TYPICAL SECTION AT EXISTING SPANS 1 AND 3
FINAL CONSTRUCTION SEQUENCE
(LOOKING FORWARD ON SURVEY)



TYPICAL SECTION AT EXISTING SPAN 2
FINAL CONSTRUCTION SEQUENCE
(LOOKING FORWARD ON SURVEY)

change to
4' 4 1/2" cantilevers
everywhere
TEH

DESIGNED BY K. MARTIN DATE 10/03
DRAWN BY K. MARTIN DATE 10/03
SUPERVISED BY TET DATE 10/03
CHECKED BY TET, JHW DATE 10/03

2025 ADT = 73535
I18+0" ROADWAY WITH STD-I-1 PARAPET
DESIGN SPEED = 60 MPH
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF HIGHWAYS
PRELIMINARY LAYOUT
BRIDGE NO. 1
I-55 OVER MALLORY AVENUE
BRIDGE I.D. NO. 79I00550072
STATION 265+93.30
LOG MILE 8.92
SHELBY COUNTY
2005

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