

SHELBY COUNTY

79-I0240-15.45

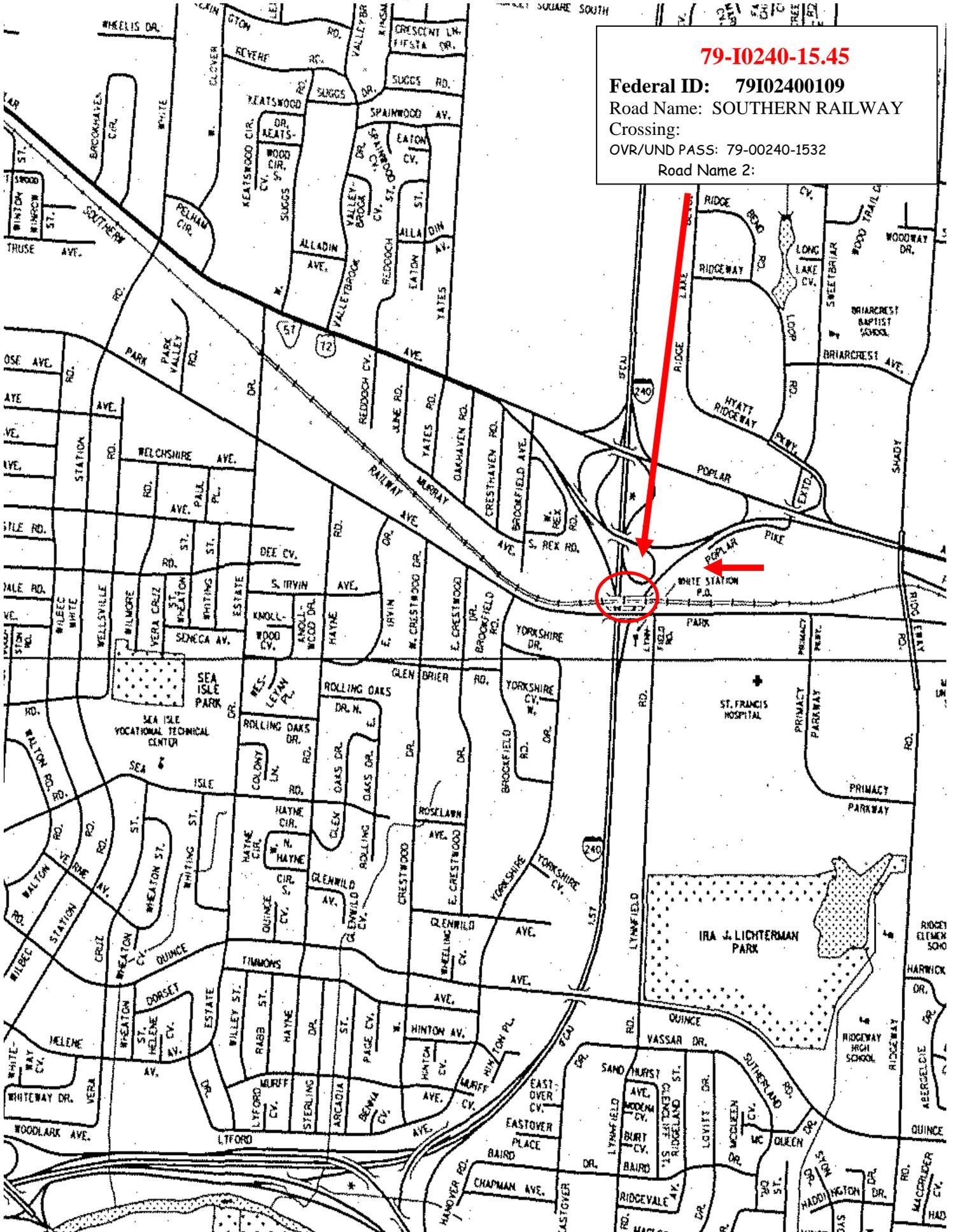
Federal ID: 79I02400109

Road Name: SOUTHERN RAILWAY

Crossing:

OVR/UND PASS: 79-00240-1532

Road Name 2:



BRIDGE MAINTENANCE RECOMMENDATIONS



Tennessee Department
of Transportation

COUNTY: SHELBY

LOCATION: 79-I0240-15.45-

CO. SEQ.: 1 SPEC. CASE: 0

MILEPOST: 15.71

CROSSING: NS RAILROAD / I-240

FED. BRIDGE NO.: 79I02400109

MAINT. DIST.: 79

REPAIR LIST NO.: N

DATE ADDED:

REVISED: 02/26/2015

FACILITY CARRIED:	NS RWY 732166B	NUMBER OF MAIN SPANS:	
HIGHWAY SYSTEM:	02-INTERSTATE URBAN	NUMBER OF APPROACH SPANS:	
BRIDGE WIDTH (CURB TO CURB):	N/A FT IN	BRIDGE LENGTH (FT):	315
BRIDGE WIDTH (OUT TO OUT):	N/A FT IN	MAXIMUM SPAN LENGTH (FT):	74
APPROACH ROADWAY (W/SHOULDERS):	39 FT 0 IN	SKEW ANGLE (DEGREES):	N/A
MAINTAINED BY: _____			
MAIN SPAN MATERIAL:	STEEL		
MAIN SPAN DESIGN TYPE:	STRINGER/MULTI-BEAM OR GIRDER		
APPROACH SPAN MATERIAL: _____			
APPROACH SPAN DESIGN TYPE: _____			
INSPECTION DATE:	02/26/2015	GENERAL CONDITION:	FAIR
EVALUATION DATE:	04/15/2013	STRUCTURALLY DEFICIENT:	
PPRM PIN NUMBER:		SUFFICIENCY RATING:	
H TRUCK RATING @ INV.:	TONS		

SUGGESTED ROUTINE MAINTENANCE AND COMMENTS
NO RECOMMENDATIONS AT THIS TIME

GENERAL COMMENTS:



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

Underpass Only* Condition Coding Form

Revised 03/02/2015

Bridge Number: 79I02400109B
(Includes Item 5A)

County: 79

Route: I0240

Special Case: 0

County Sequence: 1

Feature Intersected: NS RAILROAD / I-240 RAMP

Log Mile: 15.44

CODE ONLY THOSE VALUES WHICH HAVE CHANGED

ITEM #	DESCRIPTION	VALUE	UNDERPASS SAFETY FEATURES
90	INSPECTION DATE	02/26/2015	
	EARLIEST DATE OF NEXT REGULAR INSPECTION	12/27/2016	
		<u> / /</u>	
10	MINIMUM V.C. OVER DECK (ROADWAY + SHOULDERS)	16 FT. 2 IN. <u> FT. IN.</u>	515 (A) TYPE UNDERPASS BARRIER COMBINATION OF METAL & CONCRETE BARRIER OR RAIL
			Revised Barrier Type
520	MINIMUM V.C. OVER DECK (EXCLUDES SHOULDERS)	16 FT. 2 IN. <u> FT. IN.</u>	(B) ADEQUACY OF BARRIER OR RAIL <u>0</u>
47	TOTAL HORIZONTAL UNDERCLEARANCE	31 FT. 0 IN. <u> FT. IN.</u>	(C) ADEQUACY OF TRANSITIONS <u>0</u>
			(D) ADEQUACY OF TERMINALS <u>0</u>
	* Use when no overhead vehicular traffic bridge exists. Items 55 and 56 do not apply.		
554	VERTICAL CLEARANCE LISTED ON HEIGHT POSTING	16 LATITUDE N 35° 5.9983'	17 LONGITUDE W 89° 52.1733'
	13 FT. 9 IN. <u> FT. IN.</u>	<u> <u> </u></u>	<u> <u> </u></u>
521	OVERALL CONDITION	FAIR	HEIGHT POSTED AT BOTH APPROACHES? YES [] NO [] N/A []

NOTE: DESCRIBE ANY PROBLEMS ON BRIDGES THAT THE STATE DOES NOT INSPECT (SUCH AS RAILROAD OR PRIVATE BRIDGES) THAT WOULD AFFECT THE ROADWAY SUCH AS LOOSE MEMBERS, SEVERLY SPALLED OR CRACKED CONCRETE, EXCESSIVE SECTION LOSS ON STEEL, EXCESSIVE TIMBER DECAY, ETC. ALSO, DESCRIBE ANY UNSAFE ITEMS.

555 COMMENTS _____

TEAM LEADER SIGNATURE

/ /
REVIEW DATE

BRIDGE MAINTENANCE RECOMMENDATIONS



Tennessee Department
of Transportation

COUNTY: SHELBY

LOCATION: 79-I0240-15.44-

CO. SEQ.: 1 SPEC. CASE: 0

MILEPOST: 15.7

CROSSING: NS RAILROAD / I-240 RAMP

FED. BRIDGE NO.: 79I02400109

MAINT. DIST.: 79

REPAIR LIST NO.: N

DATE ADDED:

REVISED: 02/26/2015

FACILITY CARRIED:	NS RWY 732166B	NUMBER OF MAIN SPANS:	
HIGHWAY SYSTEM:	02-INTERSTATE URBAN	NUMBER OF APPROACH SPANS:	
BRIDGE WIDTH (CURB TO CURB):	N/A FT IN	BRIDGE LENGTH (FT):	190
BRIDGE WIDTH (OUT TO OUT):	N/A FT IN	MAXIMUM SPAN LENGTH (FT):	74
APPROACH ROADWAY (W/SHOULDERS):	23 FT 3 IN	SKEW ANGLE (DEGREES):	N/A
MAINTAINED BY:			
MAIN SPAN MATERIAL:	STEEL CONTINUOUS		
MAIN SPAN DESIGN TYPE:	STRINGER/MULTI-BEAM OR GIRDER		
APPROACH SPAN MATERIAL:			
APPROACH SPAN DESIGN TYPE:			
INSPECTION DATE:	02/26/2015	GENERAL CONDITION:	FAIR
EVALUATION DATE:	04/15/2013	STRUCTURALLY DEFICIENT:	
PPRM PIN NUMBER:		SUFFICIENCY RATING:	
H TRUCK RATING @ INV.:	TONS		

SUGGESTED ROUTINE MAINTENANCE AND COMMENTS
SEE BR. NO. 79-I0240-15.45 (79I02400109A) FOR RECOMMENDATIONS

GENERAL COMMENTS:

Bridge Loc. No: 79 - I0240 - 15.45 Date: 02-26-15



BRIDGE NO.



ABUTMENT #1, REAR SIDE

Bridge Loc. No: 79 - I0240 - 15.45 Date: 02-26-15



SPAN #2, BOTTOM OF DECK



ELEVATION LEFT SIDE AT SPAN #2 (TRAFFIC UNDER SPAN)

Bridge Loc. No: 79 - I0240 - 15.45 Date: 02-26-15



ELEVATION RIGHT SIDE AT SPAN #2 (TRAFFIC UNDER SPAN)



ELEVATION LEFT SIDE AT SPAN #3 (TRAFFIC UNDER SPAN)

Bridge Loc. No: 79 - I0240 - 15.45 Date: 02-26-15



ELEVATION LEFT SIDE AT SPAN #4 (TRAFFIC UNDER SPAN)



ELEVATION LEFT SIDE AT SPAN #5 (TRAFFIC UNDER SPAN)

Bridge Loc. No: 79 - I0240 - 15.45 Date: 02-26-15

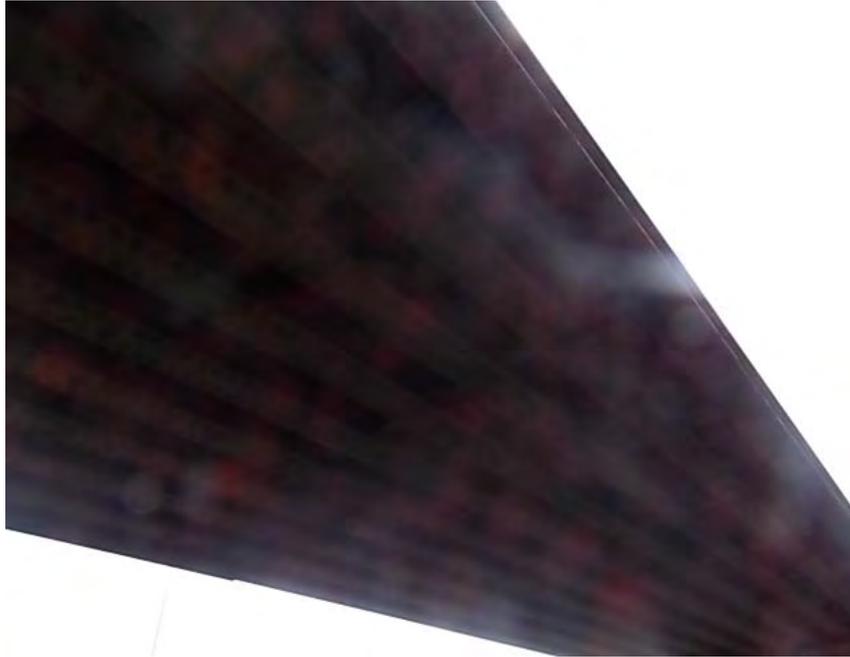


BENT #3, FRONT SIDE



ABUTMENT #2

Bridge Loc. No: 79 - I0240 - 15.45 Date: 02-26-15



SPAN #4, BOTTOM OF DECK



ELEVATION RIGHT SIDE AT SPANS #4, #5 & #6 (TRAFFIC UNDER SPANS #4 & #5)

Bridge Loc. No: 79 - I0240 - 15.45 Date: 02-26-15



ELEVATION RIGHT SIDE AT SPAN #3 (TRAFFIC UNDER SPAN)



ABUTMENT #1

Bridge Loc. No: 79 - I0240 - 15.45

Date: 02-26-15



LOOKING AHEAD ON ROUTE

FEB 26 2015

BRIDGE INSPECTION REPORT

Form BIR 3.0
(Rev. 9-22-98)
DT-0069

Field Report No.: _____ Date: 2/26/15
Previous Report No.: _____ Date: _____
Co. Seq 01 Plans: YES (X) NO ()

Bridge No. 79102400109 Bridge Location No. 79 - 10240 - 1545 79 - 10240 - 1544 B
Eleven Digit No. Co. Route Log Mile OVER/UNDER PASS

_____ UNDER SOUTHERN RAILROAD _____
Road Name Feature Intersected CITY

Year Constructed 1959 County SHELBY Maint. Dist: 49 Maint.Resp: 01
Year Widened _____ Year Rehabilitated _____

Structure Name (If Named) _____

FEATURES

Wearing Surface Concrete () Timber () Asphalt () Depth _____ (in.)
Flared Width Yes () No () Median Width Open () None () Closed ()
Navigational Control Yes () No () Bridge Skew 90 ° LT () RT ()
Structure Type (Main Span) STEEL I. BEAM
Structure Type (Appr.Spans) _____
No. Main Spans 6 No. Approach Spans _____
Maximum Span Length _____ (**. * ft.)
Total Length _____ (**. * ft.)

INSPECTORS

1. MOORE (TL)
2. LANE
3. LEECH
4. STEPHENSON
5. OSBORNE
6. _____
7. _____
8. _____

WIDTHS (*. * ft.)

Deck Out-to-Out _____
Roadway Curb/Curb _____
Roadway Rail/Rail _____
Sidewalk Rt. _____ Lt. _____
*Approach Roadway _____
*(Does Not Include Shoulders)
Approach Shoulder Rt. _____ Lt. _____

CLEARANCES

Min. Vertical Clearance over Deck — (ft.-in.)
Min. Vertical Under Clearance 15'6" (ft.-in.)
Min. Lateral Under Clearance Rt. 10.0' (*. * ft.)
Min. Lateral Under Clearance Lt. 9.0 (*. * ft.)

FRACTURE CRITICAL: _____
(If Yes, Include BIR 3.9)

MAINLINE

NBIS Bridge Length (<25 ft.) _____ (ft.-in.)

UNDERWATER INSPECTION

To Be Performed By: _____ Date _____
DOT FIELD TEAM () CONTRACT DIVERS () NONE REQUIRED ()
Change in Structural Condition: Yes () No () Major Repairs Made: Yes () No ()

COMMENTS: Clearance only

LATITUDE: N35 ° 5.9983
LONGITUDE: W89 ° 52.1733
G.P.S. Location

BRIDGE RATING: () (X) () ()
GOOD FAIR POOR CRITICAL

Supervising Bridge Inspector Kenn W. [Signature]

Inspection Team's Summary
Bridge Location No. 79 -I0240 - 15.45
Inspection Date 02-26-15
Bridge Rating FAIR

THIS 6 SPAN STEEL I BEAM RAIL ROAD OVERPASS CLEARANCE ONLY
BRIDGE WITH A CONCRETE SUBSTRUCTURE IS IN FAIR CONDITION.
A 14'1" CLEARANCE SIGN IS POSTED AT APPROACH # 1 AT THE
BEGINNING OF THE EXIT RAMP.
THE MINIMUM VERTICAL CLEARANCE IS 15'6".

JEFFREY STEPHENSON

INSPECTOR

CROSS SECTION: YES () NO (X) PONTIS: YES () NO (X)

INSPECTION REPORT FOR UNDERPASS ROUTE

Form BIR 3.0A
(Rev. 9-22-98)
DT-1443

Field Report No. _____ Date _____
Previous Report No. _____ Date _____

Bridge No. _____
Eleven Digit No.

Underpass Location No. _____
Co. Route Log Mile

_____ or _____ over/under _____
Railroad/Walkway Co. Route Log Mile Co. Route Log Mile

County _____

Road Name #2: _____

Year Constructed _____ Structure Name (If Named) _____

Year Widened _____ Year Rehabilitated _____

GEOMETRIC FEATURES UNDER BRIDGE (*. * ft. unless otherwise noted)

Divided Highway LEFT RDWY () RIGHT RDWY () N.A. (X) (1)

Type of Wearing Surface CONCRETE (X) ASPHALT () GRAVEL ()

Width of Approach Traveled Roadway 16' ft. (Does Not Include Shoulders)

Width of Median if Divided Highway 22.5' ft.

Approach Shoulder Width 8 ft. Right 4 ft. Left

*Horizontal Clearance Under Bridge 31 ft. 0 in.

*Distance Between Pier Protection Guardrail and Substructure 3.0' ft. Right 1.0' ft. Left

*Width of Sidewalk Under Bridge - ft. Right - ft. Left

*Minimum Vertical Clearance: 16 ft. 8 in.

*Show on Sketch

TRAFFIC SAFETY FEATURES FOR UNDERPASS ROUTE

		STANDARD	SUB-STANDARD	NON EXIST
Pier Protection Railing or Parapet	G (P) P C	(X)	()	()
Approach Guardrail Transitions	G F P C	()	()	(X)
Approach Guardrail	(G) F P C	(X)	()	()
Approach Guardrail Terminal	(G) F P C	(X)	()	()

SIGNING FOR UNDERPASS ROUTE

Paddleboards YES () NO (X) NEEDED ()
Vertical Clearance (<14'-6") YES (X) NO () NEEDED ()
Narrow Passage YES () NO (X) NEEDED ()
One Lane Passage YES () NO (X) NEEDED ()

Other Underpass Signs Needed

POSTED @ 14'1" @ BEGINNING
OF EXIT RAMP.

INSPECTORS

1. MOORE
2. LANE
3. LEECH
4. _____
5. _____
6. _____

INSPECTION REPORT FOR UNDERPASS ROUTE

Form BIR 3.0A
(Rev. 9-22-98)
DT-1443

Field Report No. _____ Date _____
Previous Report No. _____ Date _____

Bridge No. _____ Over/Under _____
Eleven Digit No. _____ Co. Route Log Mile _____
or _____
Railroad/Walkway _____ Co. Route Log Mile _____

County _____ Road Name: _____
Year Constructed _____ Structure Name (If Named) _____
Year Widened _____ Year Rehabilitated _____

GEOMETRIC FEATURES UNDER BRIDGE (*. * ft. unless otherwise noted)

Divided Highway LEFT RDWY () RIGHT RDWY () N.A. (X) 2
Type of Wearing Surface CONCRETE () ASPHALT (X) GRAVEL ()
Width of Approach Traveled Roadway 14.5' ft. (Does Not Include Shoulders)
Width of Median if Divided Highway 17.0' ft.
Approach Shoulder Width 13.5' ft. Right 4.0' ft. Left
*Horizontal Clearance Under Bridge 32 ft. 0 in.
*Distance Between Pier Protection Guardrail and Substructure 1.0' ft. Right 1.5' ft. Left
*Width of Sidewalk Under Bridge - ft. Right - ft. Left
*Minimum Vertical Clearance: 16 ft. 2 in.
*Show on Sketch

TRAFFIC SAFETY FEATURES FOR UNDERPASS ROUTE

		STANDARD	SUB-STANDARD	NON EXIST
Pier Protection Railing or Parapet	G (F) P C	(X)	()	()
Approach Guardrail Transitions	G F P C	()	()	(X)
Approach Guardrail	G F P C	()	()	(A)
Approach Guardrail Terminal	G F P C	()	()	(A)

SIGNING FOR UNDERPASS ROUTE

Paddleboards YES () NO (X) NEEDED ()
Vertical Clearance (<14'-6") YES (X) NO () NEEDED ()
Narrow Passage YES () NO (X) NEEDED ()
One Lane Passage YES () NO (A) NEEDED ()

Other Underpass Signs Needed
POSTED @ 14'1" @ BEGINNING OF EXIT RAMP.

INSPECTORS

1. LANE
2. LEECH
3. MOORE
4. _____
5. _____
6. _____

INSPECTION REPORT FOR UNDERPASS ROUTE

Form BIR 3.0A
(Rev. 9-22-98)
DT-1443

Field Report No. _____ Date _____
Previous Report No. _____ Date _____

Bridge No. _____ Over/Under _____
Eleven Digit No. _____ Co. Route Log Mile _____
or _____ Co. Route Log Mile _____
Railroad/Walkway _____ Co. Route Log Mile _____

County _____ Road Name: _____
Year Constructed _____ Structure Name (If Named) _____
Year Widened _____ Year Rehabilitated _____

GEOMETRIC FEATURES UNDER BRIDGE (*. * ft. unless otherwise noted)

Divided Highway LEFT RDWY () RIGHT RDWY (X) N.A. () 3
Type of Wearing Surface CONCRETE () ASPHALT (X) GRAVEL ()
Width of Approach Traveled Roadway 48 ft. (Does Not Include Shoulders)
Width of Median if Divided Highway 23.5 ft.
Approach Shoulder Width 10 ft. Right 9.5 ft. Left
*Horizontal Clearance Under Bridge 6.7 ft. 6 in.
*Distance Between Pier Protection Guardrail and Substructure 1.5 ft. Right 1.0 ft. Left
*Width of Sidewalk Under Bridge - ft. Right - ft. Left
*Minimum Vertical Clearance: 15 ft. 7 in.
*Show on Sketch

TRAFFIC SAFETY FEATURES FOR UNDERPASS ROUTE

		STANDARD	SUB-STANDARD	NON EXIST
Pier Protection Railing or Parapet	G (F) P C (X)	(X)	()	()
Approach Guardrail Transitions	G F P C ()	()	()	(X)
Approach Guardrail	G F P C ()	()	()	(X)
Approach Guardrail Terminal	G F P C ()	()	()	(X)

SIGNING FOR UNDERPASS ROUTE

Paddleboards YES () NO (X) NEEDED ()
Vertical Clearance (<14'-6") YES () NO (X) NEEDED ()
Narrow Passage YES () NO (X) NEEDED ()
One Lane Passage YES () NO (X) NEEDED ()
Other Underpass Signs Needed

NONE

INSPECTORS

1. MOORE
2. LANE
3. LEECH
4. _____
5. _____
6. _____

Form BIR 3.0A
(Rev. 9-22-98)
DT-1443

Field Report No. _____ Date _____
Previous Report No. _____ Date _____

Bridge No. _____
Eleven Digit No.

Underpass Location No. _____
Co. Route Log Mile

_____ or _____ over/under _____
Railroad/Walkway Co. Route Log Mile Co. Route Log Mile

County _____ Road Name #2: _____

Year Constructed _____ Structure Name (If Named) _____

Year Widened _____ Year Rehabilitated _____

GEOMETRIC FEATURES UNDER BRIDGE (*. * ft. unless otherwise noted)

Divided Highway LEFT RDWY (X) RIGHT RDWY () N.A. () (4)

Type of Wearing Surface CONCRETE () ASPHALT (X) GRAVEL ()

Width of Approach Traveled Roadway 36 ft. (Does Not Include Shoulders)

Width of Median if Divided Highway 23.5 ft.

Approach Shoulder Width 33 ft. Right 9 ft. Left

*Horizontal Clearance Under Bridge 68 ft. 0 in.

*Distance Between Pier Protection Guardrail and Substructure 0.5 ft. Right 1.0 ft. Left

*Width of Sidewalk Under Bridge - ft. Right - ft. Left

*Minimum Vertical Clearance: 15 ft. 6 in.

*Show on Sketch

TRAFFIC SAFETY FEATURES FOR UNDERPASS ROUTE

		STANDARD	SUB-STANDARD	NON EXIST
Pier Protection Railing or Parapet	G (F) P C (X)	(X)	()	()
Approach Guardrail Transitions	G F P C ()	()	()	(X)
Approach Guardrail	G F P C ()	()	()	(X)
Approach Guardrail Terminal	G F P C ()	()	()	(X)

SIGNING FOR UNDERPASS ROUTE

Paddleboards YES () NO (X) NEEDED ()
Vertical Clearance (<14'-6") YES () NO (X) NEEDED ()
Narrow Passage YES () NO (X) NEEDED ()
One Lane Passage YES () NO (X) NEEDED ()
Other Underpass Signs Needed

NONE

INSPECTORS

1. MOORE
2. LANE
3. LEECH
4. _____
5. _____
6. _____

Form BIR 3.0A (Continued)

(Rev. 9-22-98)

Date _____

DT-1443

79 - I0240 - 1533
Co. Route Log Mile

over/
under

79 - I0240 - 1533
Co. Route Log Mile

SOUTHERN RAILROAD

or

Co. Route Log Mile

or

Co. Route Log Mile

Other Signs or Plaques: NONE

Comments Regarding any Problems with Signing: NONE

BRIDGE FEATURES (*.* ft.)

Bridge Skew 90 °

Structure Type (Main Span) STEEL I. BEAM No. Main Spans 6

Structure Type (Appr.Spans) _____ No. Appr. Spans _____

Maximum Span Length _____ (ft.) Total Length _____ (ft.)

Width of Bridge Out-to-Out _____ (ft.) Right Angle to Centerline of Bridge

Width of Bridge Along Skew _____ (ft.) (If Unable to Measure at Right

Number of Lanes/Tracks on Bridge 2 Angle to Centerline of Bridge)

BRIDGE CONDITION: G (F) P C

Does Potential Exist for Elements from Bridge Falling on Roadway Beneath YES () NO (X)

Does Potential Exist Because of Deteriorated Condition or Failure of Major Member YES () NO (X)

Comment on any Conditions of Bridge that would Effect Roadway Beneath:
NONE

Note: If Underpass Route is Divided Highway, Use Two of These Forms, One for Each Roadway.

MINIMUM PICTURES REQUIRED

1. Elevation View of Bridge on Both Sides Showing Underpass
2. View Showing Both Approaches to Bridge
3. View Showing Safety Features
4. View Showing Any Problems

BRIDGE LOC. NO. 79-1240-15.45

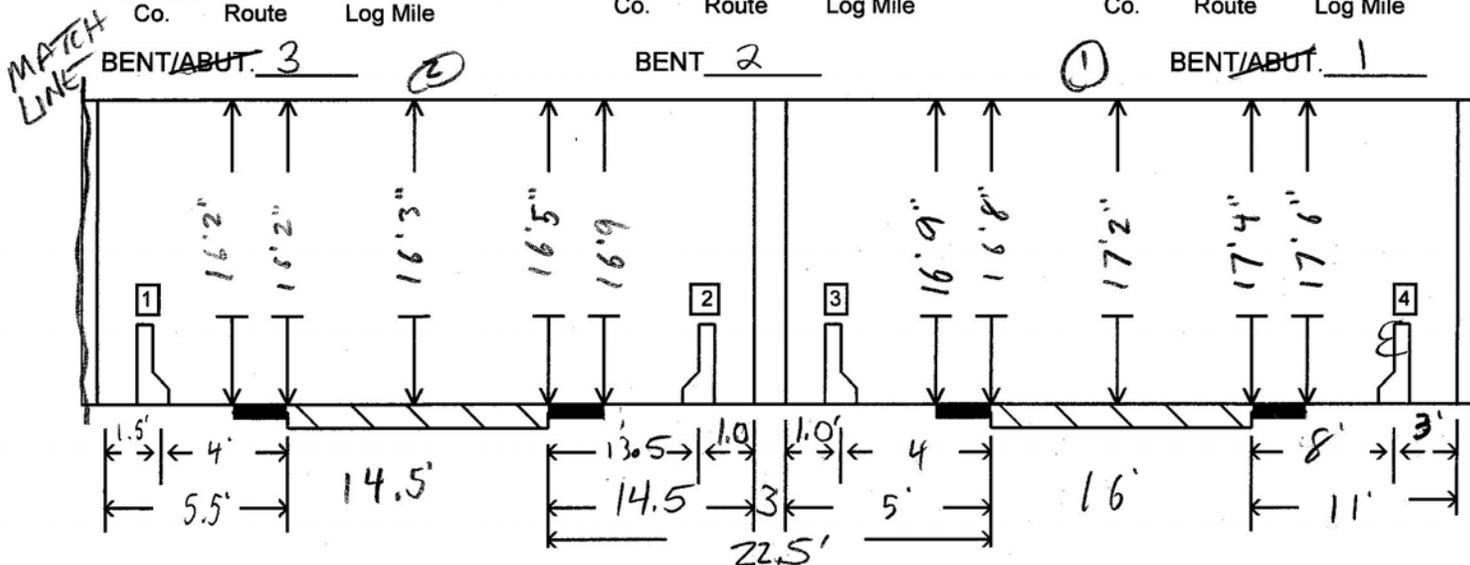
DATE: _____

CO. ROUTE L. M. L/R

LATERAL AND VERTICAL CLEARANCES

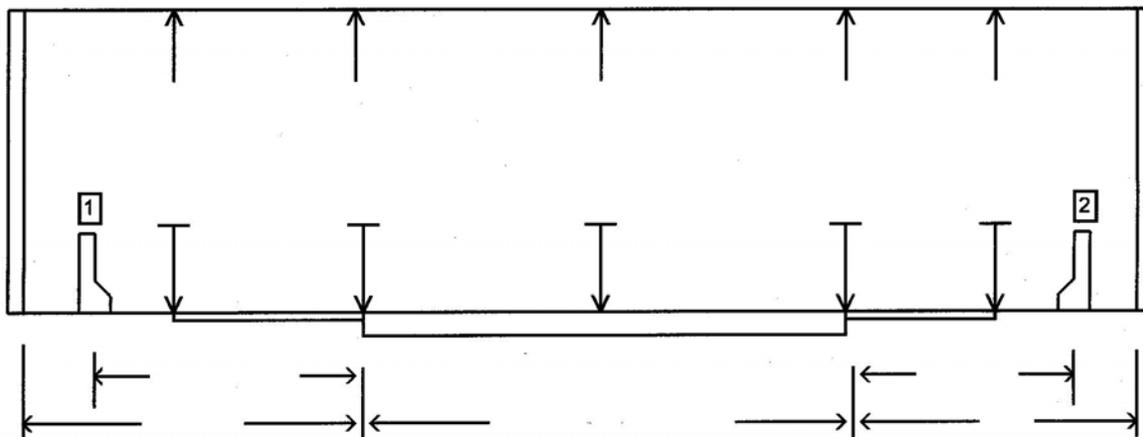
or _____

or _____

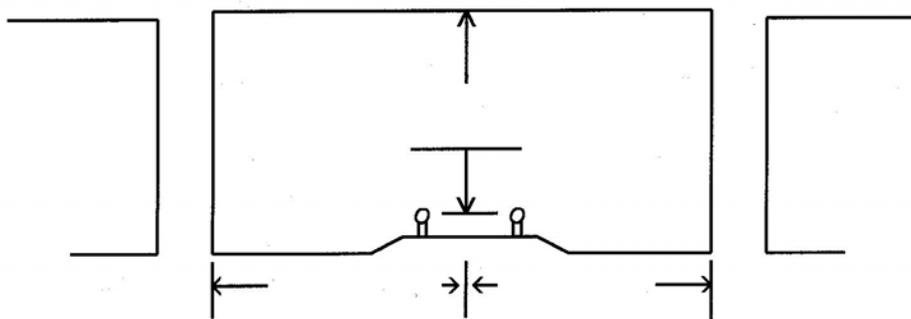


- | | | | | | | | |
|----|--------------------|---------|-----|---------------|-----|------|-----|
| 1. | RAIL/BARRIER TYPE: | W-SHAPE | [] | CONC. BARRIER | [X] | NONE | [] |
| 2. | RAIL/BARRIER TYPE: | W-SHAPE | [] | CONC. BARRIER | [X] | NONE | [] |
| 3. | RAIL/BARRIER TYPE: | W-SHAPE | [] | CONC. BARRIER | [X] | NONE | [] |
| 4. | RAIL/BARRIER TYPE: | W-SHAPE | [X] | CONC. BARRIER | [] | NONE | [] |

BENT/ABUT. _____ BENT/ABUT. _____



BENT/ABUT. _____ BENT/ABUT. _____



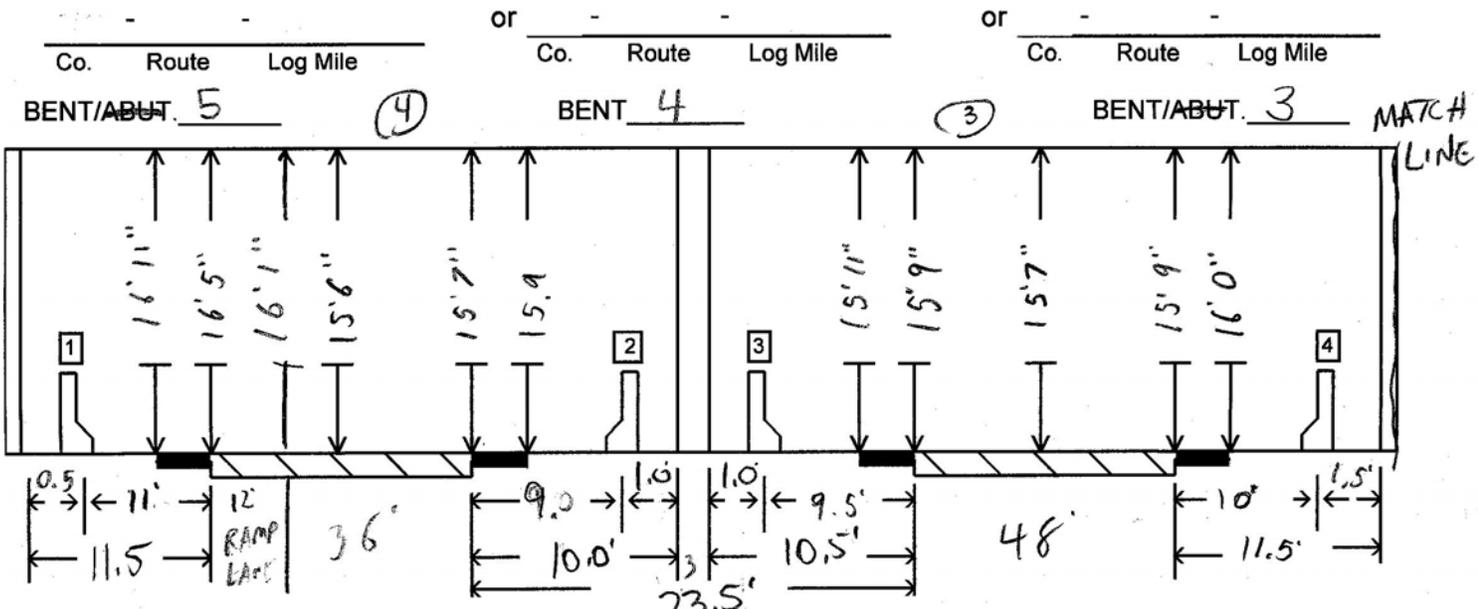
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BIR 3.10
Rev. 06/22/0
ET-1510

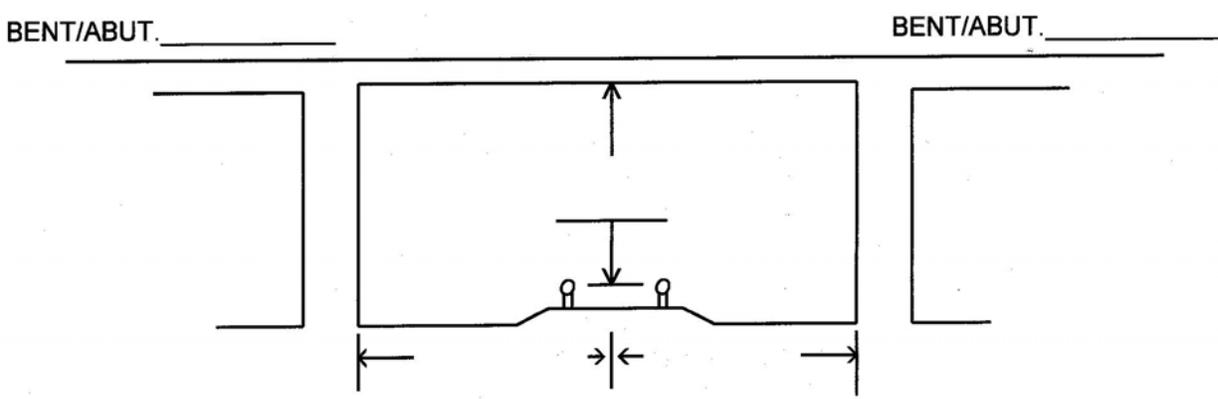
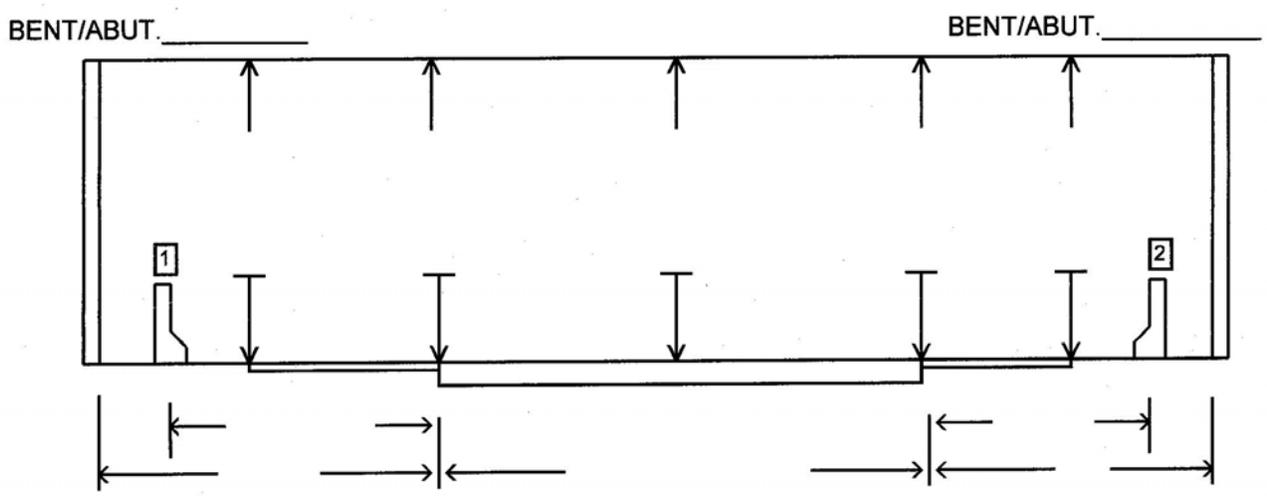
BRIDGE LOC. NO. 79-1240-15.45

DATE: _____

CO. ROUTE L. M. L/R
LATERAL AND VERTICAL CLEARANCES



- | | | | |
|-----------------------|-------------|-------------------|----------|
| 1. RAIL/BARRIER TYPE: | W-SHAPE [] | CONC. BARRIER [✓] | NONE [] |
| 2. RAIL/BARRIER TYPE: | W-SHAPE [] | CONC. BARRIER [✓] | NONE [] |
| 3. RAIL/BARRIER TYPE: | W-SHAPE [] | CONC. BARRIER [✓] | NONE [] |
| 4. RAIL/BARRIER TYPE: | W-SHAPE [] | CONC. BARRIER [✓] | NONE [] |



FEB 26 2015

79I02400109 79 I0240 ~~1532~~ ^{15.45} _____
BRIDGE NO.: CO. ROUTE L.M. L/R

SKEW: 90

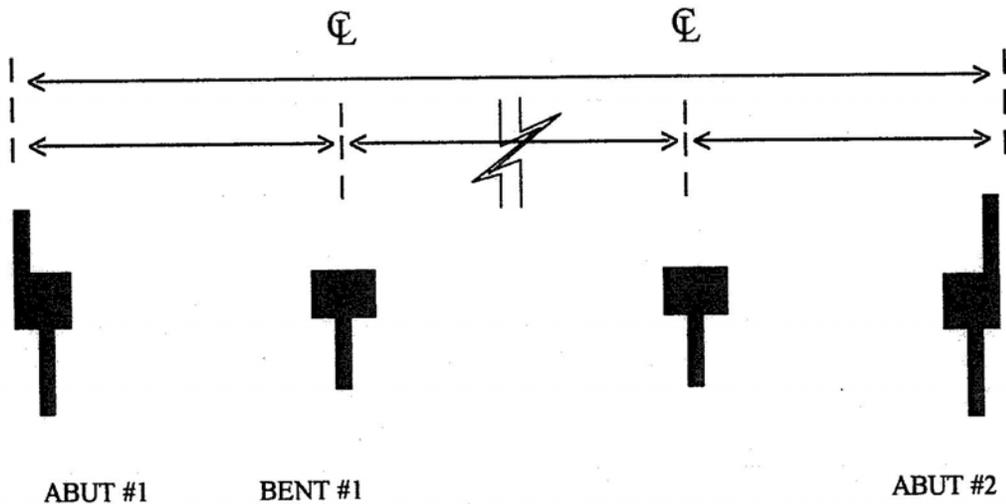
No. of Spans: 6

No. of Approach Spans:

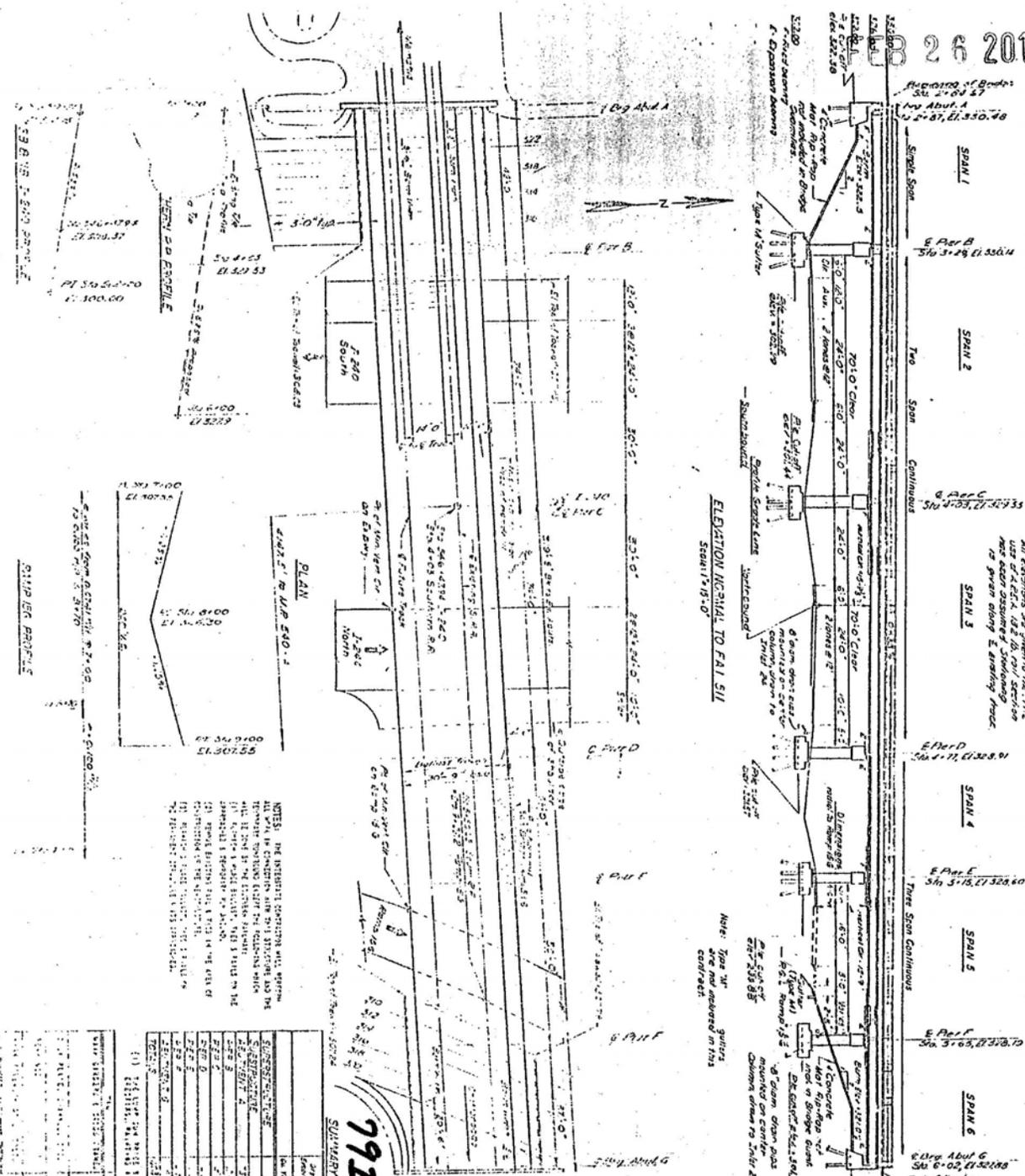
Direction of Route



- F = FIXED
- E = EXPANSION
- S = SIMPLE
- C = CONTINUOUS

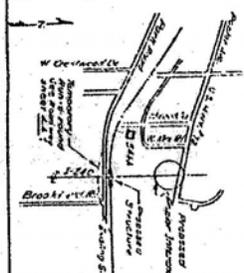


SIDE OF BRIDGE



Note: All drawings are general. The user shall verify all dimensions and conditions as shown along with existing track.

Bridge Draw 1 of 6



Note: Type 'N' girders are not shown in this elevation.

Note: The bridge is proposed to be constructed on the existing right-of-way of the existing bridge. The bridge shall be constructed in accordance with the specifications of the contract documents.

79-1240-15.45

79-1240-15.31

NOTE: THE APPROXIMATE POSITION AND SPACING OF THE BRIDGE SHALL BE DETERMINED BY THE ENGINEER. THE USER SHALL VERIFY THE EXISTING CONDITIONS AND THE PROPOSED BRIDGE LOCATION AS SHOWN ON THIS DRAWING. THE USER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES. THE USER SHALL BE RESPONSIBLE FOR VERIFYING THE EXISTING CONDITIONS AND THE PROPOSED BRIDGE LOCATION AS SHOWN ON THIS DRAWING.

SUMMARY OF ESTIMATED QUANTITIES

Item No.	Description	Quantity	Unit
1	Concrete Deck	10,000	sq. yds.
2	Reinforcing Steel	100,000	lbs.
3	Structural Steel	50,000	lbs.
4	Formwork	10,000	sq. yds.
5	Excavation	10,000	cu. yds.
6	Backfill	10,000	cu. yds.
7	Gravel	10,000	cu. yds.
8	Asphalt	10,000	sq. yds.
9	Paint	10,000	gal.
10	Other	10,000	sq. yds.

79-1240-15.31

79-1240-15.45