

INDIANA

DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE OF PROPOSED
STATE HIGHWAY

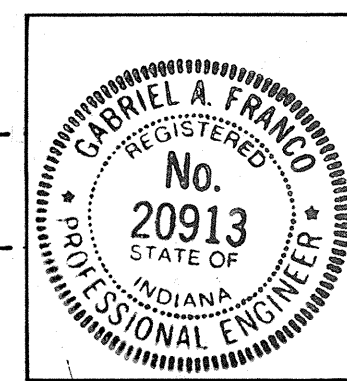
STI-PROJECT NO. 94-2 (G)
MAIM-PROJECT NO. 94-2 (081)

**P.E.
CONST.**

PLANS PREPARED BY:

WOOLPERT CONSULTANTS
7140 WALDEMAR DRIVE
INDIANAPOLIS, INDIANA 46268-2183
(317)299-7500 FAX(317)291-5805

CERTIFIED 7-17-92
DATE
Gabriel A. Franco



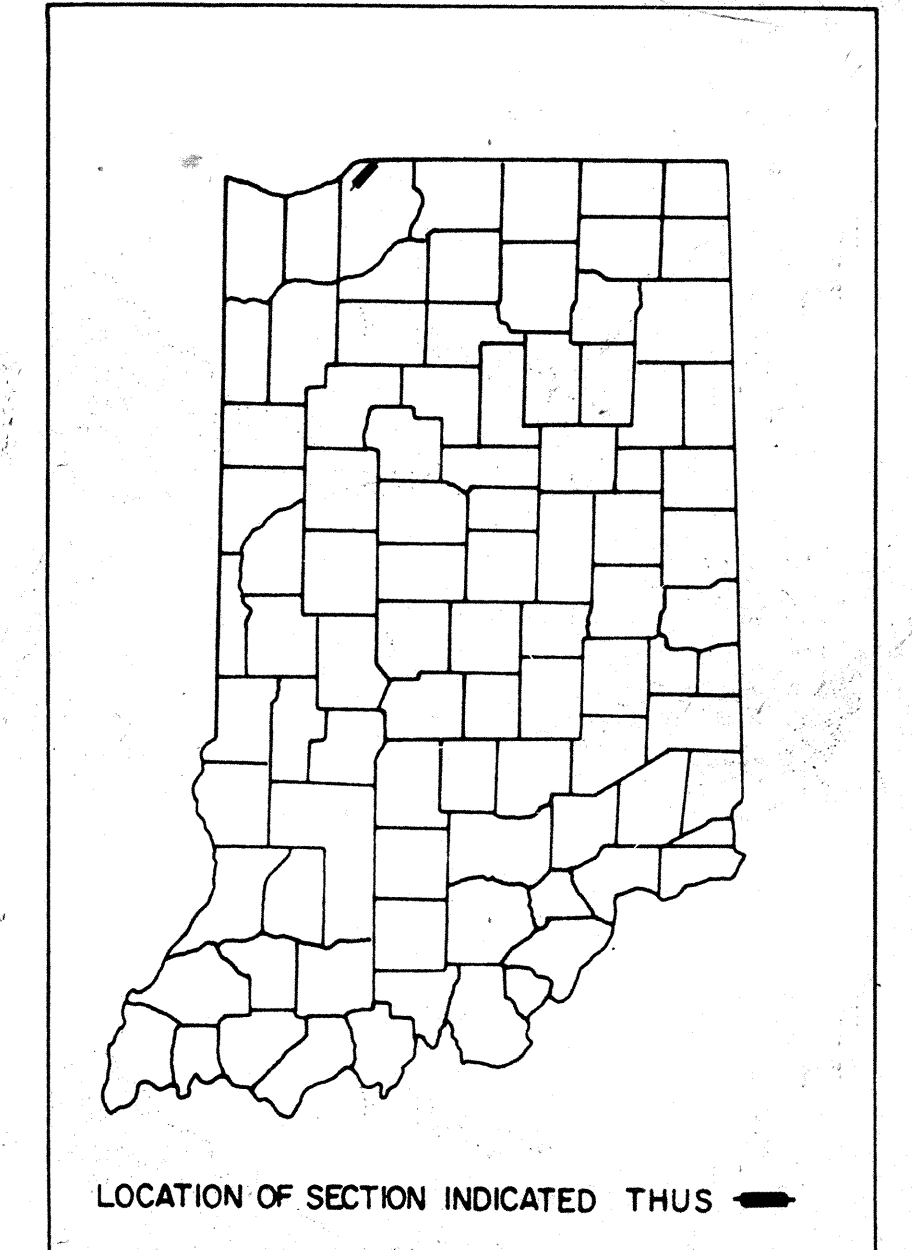
NO ADDITIONAL R/W
REQUIRED FOR THIS PROJECT

NOTE:

Whenever the Project Number
STI-PROJECT NO.94-2() 39 Appears on
These Plans or Contract
Documents, it shall be interpreted
as MAIM-PROJECT NO.94-2(081)

FEDERAL ROAD REGION NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	MAIM-94-2(081)	1992	1	126

DESIGN DATA		
A.D.T. (1992)	51,790	V.P.D.
A.D.T. (2002) PROJECTED	63,440	V.P.D.
D.H.V. (2002)	3,717	V.P.H.
DIRECTIONAL DISTRIBUTION		WB 51 %
TRUCKS	D.H.V.	A.D.T.
DESIGN SPEED	70	M.P.H.
ACCESS CONTROL	LIMITED	



NOTE:
For Placement Of Signs And Barricades,
See Detail Sheet No. 39-51

I-94, FROM 0.40 MI. WEST OF U.S. 20 & U.S. 35 TO THE INDIANA-MICHIGAN STATE LINE, ALL IN LA PORTE COUNTY

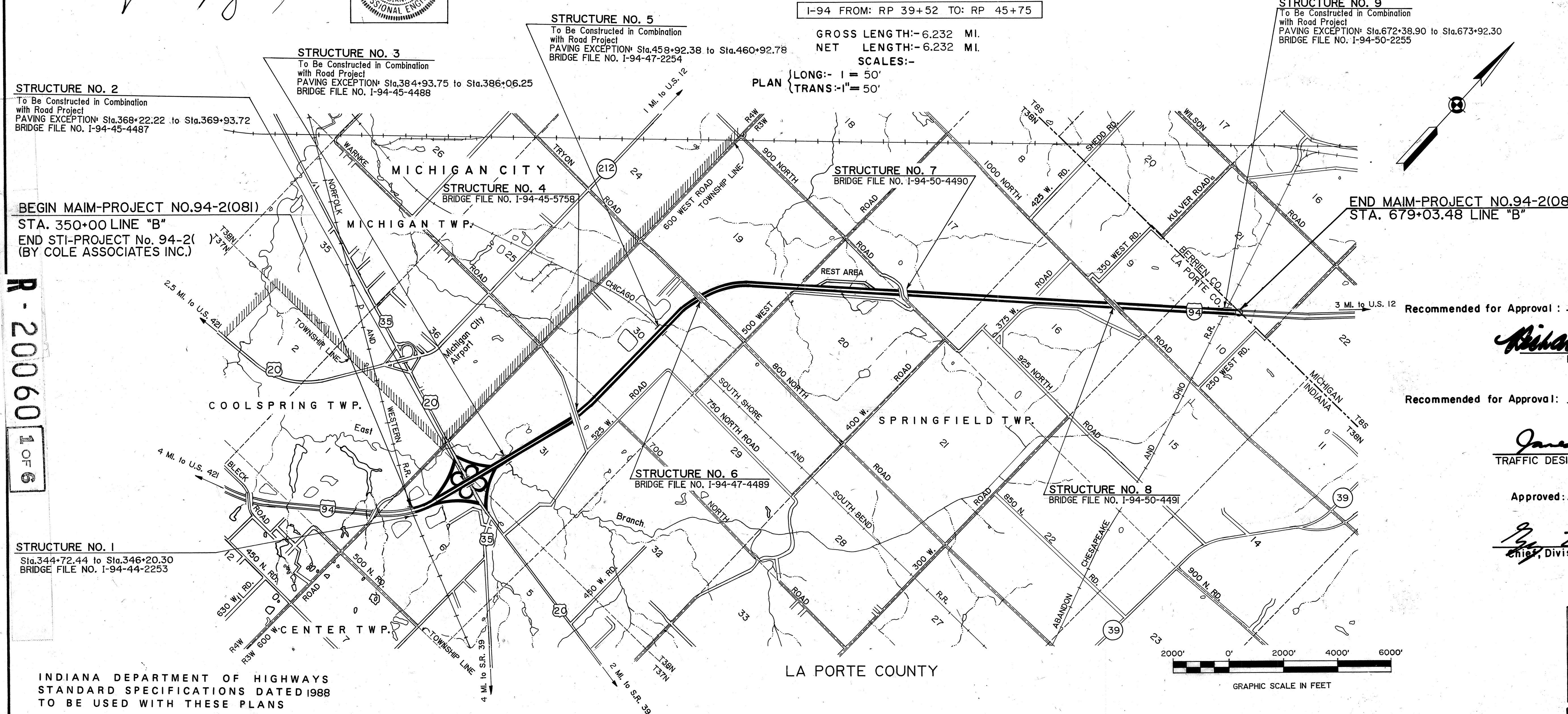
I-94 FROM: RP 39+52 TO: RP 45+75

GROSS LENGTH:-6.232 MI.

NET LENGTH:-6.232 MI.

SCALES:-

PLAN { LONG:- 1" = 50'
TRANS:- 1" = 50'



STRUCTURE NO. 2
To Be Constructed in Combination
with Road Project
PAVING EXCEPTION: Sta.368+22.22 to Sta.369+93.72
BRIDGE FILE NO. I-94-45-4487

STRUCTURE NO. 3
To Be Constructed in Combination
with Road Project
PAVING EXCEPTION: Sta.384+93.75 to Sta.386+06.25
BRIDGE FILE NO. I-94-45-4488

STRUCTURE NO. 5
To Be Constructed in Combination
with Road Project
PAVING EXCEPTION: Sta.458+92.38 to Sta.460+92.78
BRIDGE FILE NO. I-94-47-2254

STRUCTURE NO. 7
BRIDGE FILE NO. I-94-50-4490

STRUCTURE NO. 9
To Be Constructed in Combination
with Road Project
PAVING EXCEPTION: Sta.672+38.90 to Sta.673+92.30
BRIDGE FILE NO. I-94-50-2255

BEGIN MAIM-PROJECT NO.94-2(081)
STA. 350+00 LINE "B"
END STI-PROJECT No. 94-2() 39
(BY COLE ASSOCIATES INC.)

END MAIM-PROJECT NO.94-2(081)
STA. 679+03.48 LINE "B"

R-20060 1 OF 6

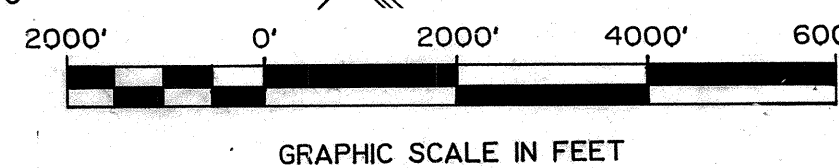
STRUCTURE NO. 1
Sta.344+72.44 to Sta.346+20.30
BRIDGE FILE NO. I-94-44-2253

STRUCTURE NO. 6
BRIDGE FILE NO. I-94-47-4489

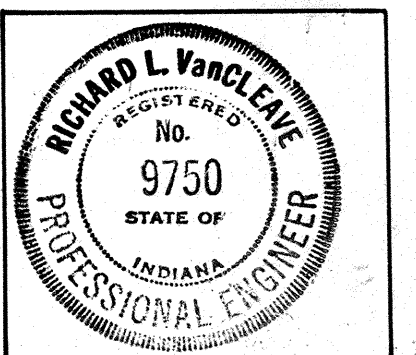
STRUCTURE NO. 8
BRIDGE FILE NO. I-94-50-4491

INDIANA DEPARTMENT OF HIGHWAYS
STANDARD SPECIFICATIONS DATED 1988
TO BE USED WITH THESE PLANS

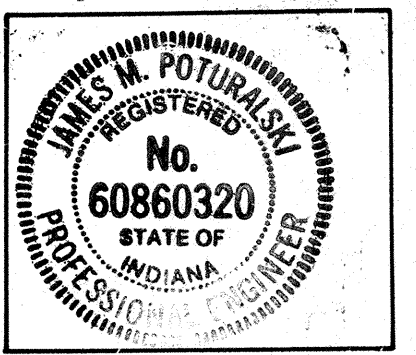
LA PORTE COUNTY



Recommended for Approval: 8-11-92
Date
Richard M. Schaefer
Road Engineer



Recommended for Approval: 8-19-92
Date
Jane M. Poturalski
TRAFFIC DESIGN MANAGER



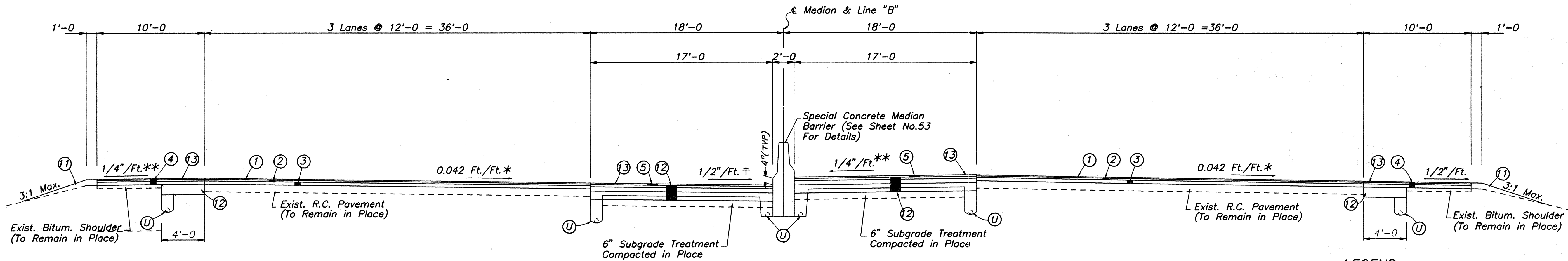
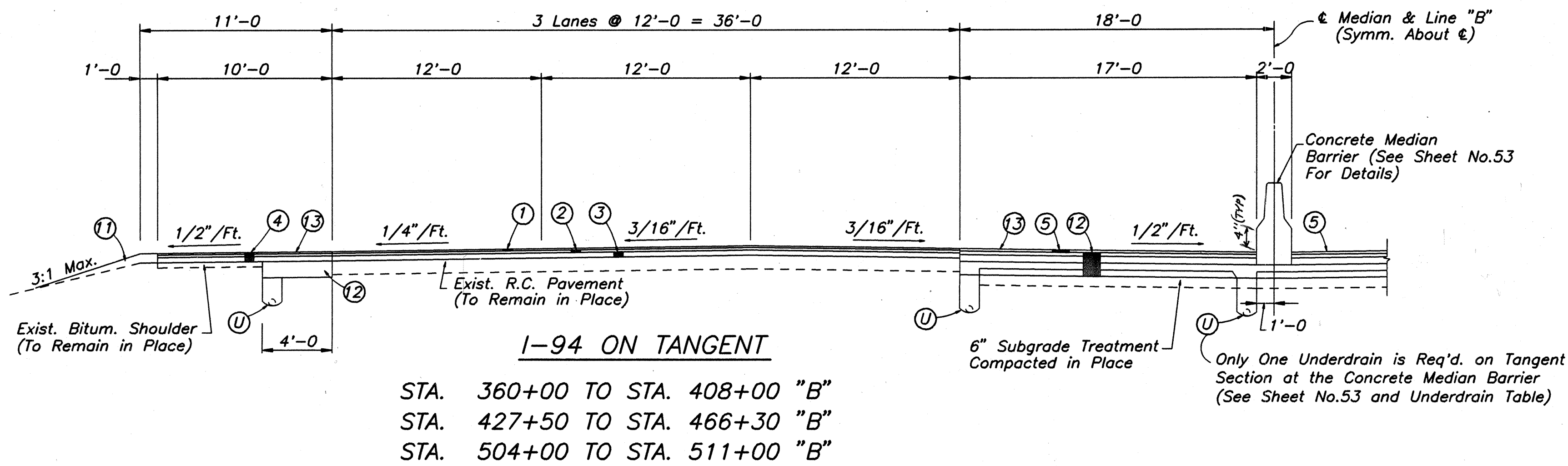
Approved: 8-20-92
Date
Chief, Division of Design

FEDERAL HIGHWAY ADMINISTRATION
DEPARTMENT OF TRANSPORTATION
APPROVED
DIVISION ADMINISTRATOR DATE

ROAD FILE:-

PROJECT NO.	LINE	SHEET NO.	TOTAL SHEETS	FILE
MAIM-94-2(081)	B	1	126	

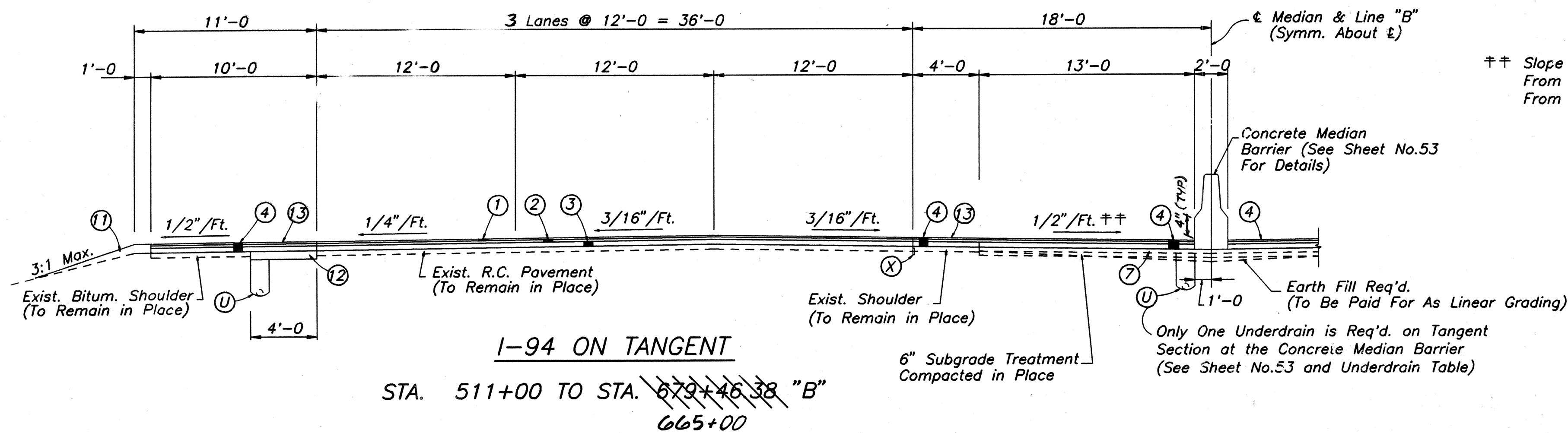
FEDERAL ROAD DISTRICT NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	571-94-2()39	1992	3	126



STA. 350+00 TO STA. 360+00 CURVE TO THE LEFT (REVERSE)
 D=1°30' S.E.=0.042 Ft./Ft.
 STA. 408+00 TO STA. 427+50 CURVE TO THE LEFT (REVERSE)
 D=1°00' * S.E.=0.028 Ft./Ft.
 ** =1/2"/Ft.
 STA. 466+30 TO STA. 504+00 CURVE TO THE RIGHT
 D=1°30' S.E.=0.042 Ft./Ft.

† Slope Varies From 1/4"/Ft. to 3/4"/Ft.
 From STA. 476+00 to 504+00 Lt.

†† Slope Varies From 1/4"/Ft. to 3/4"/Ft.
 From STA. 528+00 to 557+00 Lt. & Rt.
 From STA. 630+00 to 656+00 Lt. & Rt.



LEGEND

- ① 110#/Syd. Bituminous Surface 11 HV.
- ② 165#/Syd. Bituminous Binder 8 or 9 HV.
- ③ 305#/Syd. (Min.) Bituminous Base 5 HV.
- ④ 165#/Syd. Bituminous Surface 11 LV on 165#/Syd. Bituminous Binder 8 or 9 LV on 250#/Syd. Bituminous Base 5 LV.
- ⑤ 165#/Syd. Bituminous Surface 11 LV
- ⑦ 6" Type "O" Compacted Aggregate Base (Size No.53)
- ⑪ Type "O" Compacted Aggregate Base (Size No.53)
- ⑫ 220#/Syd. Bituminous Binder 8 or 9 MV on 440#/Syd. Bituminous Base 5 MV on 400#/Syd. Bituminous Base 5C MV on 400#/Syd. Bituminous BASE 5D MV.
- ⑬ Corrugated Bituminous Shoulder (See Miscellaneous Standards Sheet MI 1)
- Ⓚ Underdrain (For Details See Sheet No.53 and Miscellaneous Standards Sheet MN)
- Ⓧ Geocomposite Pavement Edge Drain. (For Details See Sheet No.56)

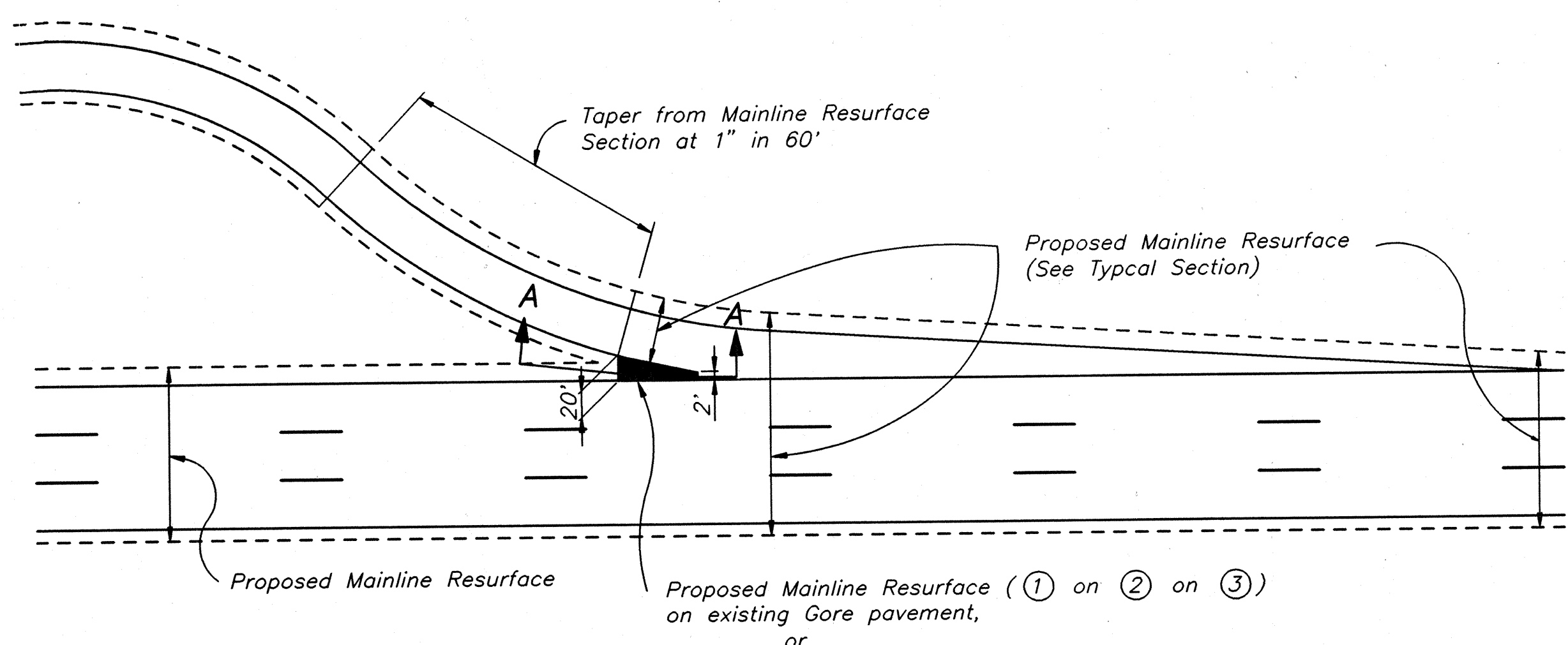
**INDIANA DEPARTMENT OF TRANSPORTATION
 TYPICAL CROSS SECTIONS**

SCALE: No Scale



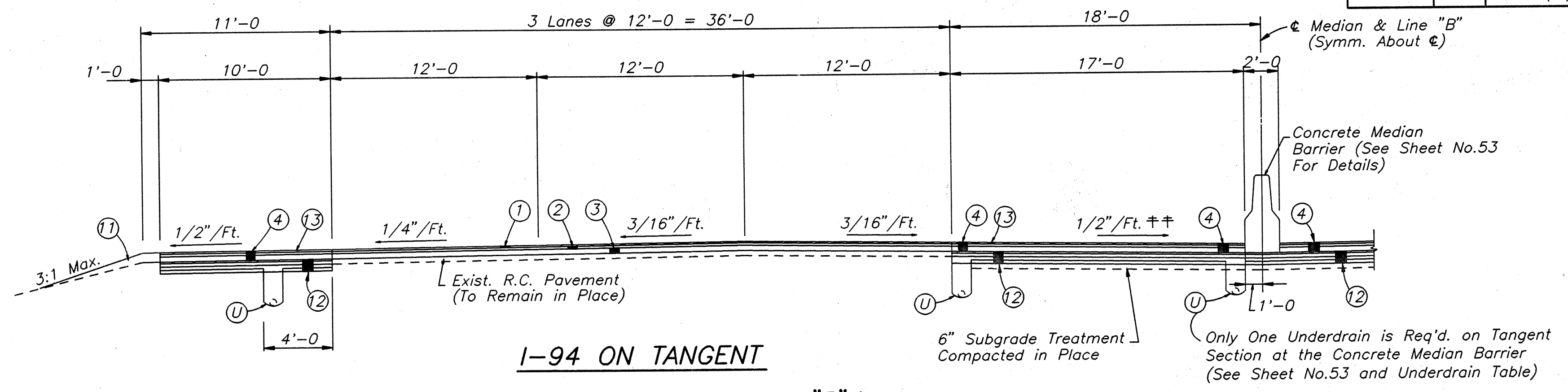
R-20060

FEDERAL ROAD REGION NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	571-94-2()39	1992	4	126



TYPICAL RAMP RESURFACE LIMITS & STANDARD GORE TREATMENT

NOTE: For Ramps Patching See Special Provisions.



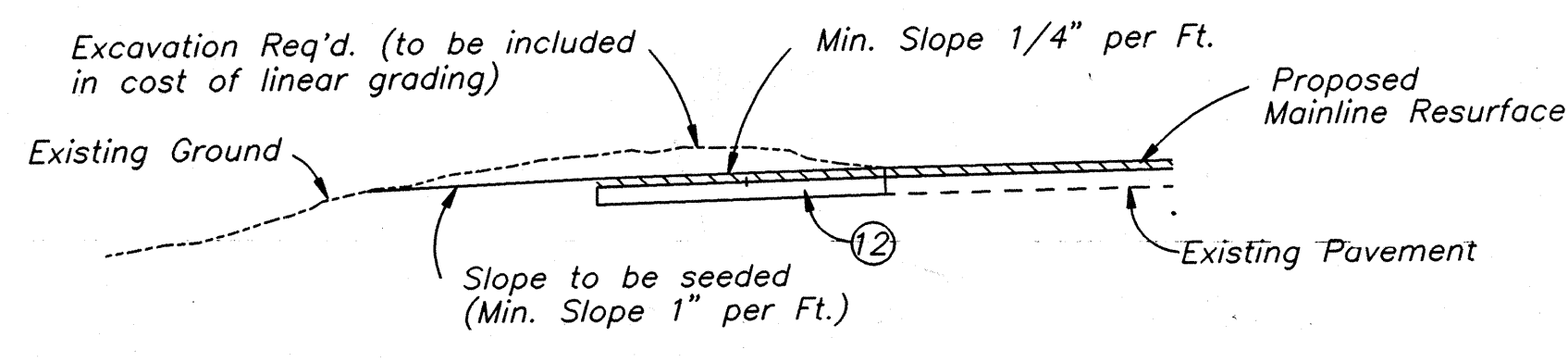
I-94 ON TANGENT STA. 665+00 TO STA. 679+46.38 "B" *

* Reconstruct Full Width of Outside Shoulder From Sta. 664+70 to Sta. 681+50 "B"

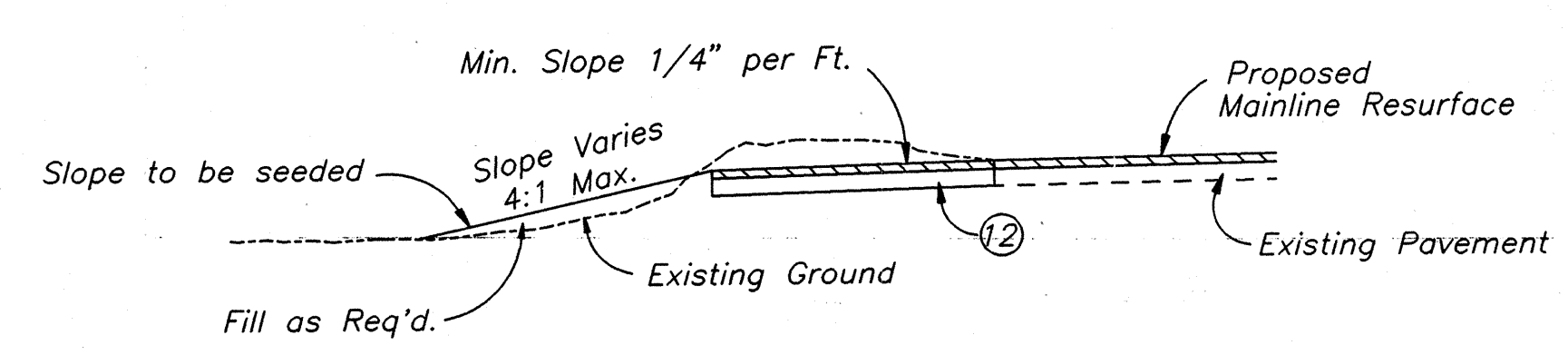
BITUMINOUS BASE REDUCTION

VARIABLE DEPTH OF BITUMINOUS BASE 5, HV TO MAINTAIN 16'-0" MINIMUM CLEARANCE AT OVERHEAD STRUCTURES		
STR. NO.	BRIDGE FILE NO.	RATE OF BITUMINOUS BASE REQ'D.
6	I-94-47-4489 TRYON RD.(800 N) over I-94	305#/Syd. at Sta. 477+00 to 250#/Syd. at Sta. 477+30
		250#/Syd. from Sta. 477+30 to Sta. 480+10
		250#/Syd. at Sta. 480+10 to 305#/Syd. at Sta. 480+40
7	I-94-50-4490 900 N over I-94	305#/Syd. at Sta. 553+10 to 250#/Syd. at Sta. 553+40
		250#/Syd. from Sta. 553+40 to Sta. 556+20
		250#/Syd. at Sta. 556+20 to 305#/Syd. at Sta. 556+50

NOTE: I-94 Northbound shall not be resurfaced from Sta. 414+00 to Sta. 416+60 to maintain existing vertical clearance at Warnke Road bridge over I-94.



SECTION A-A (For Gore Area in Cut) Not to Scale



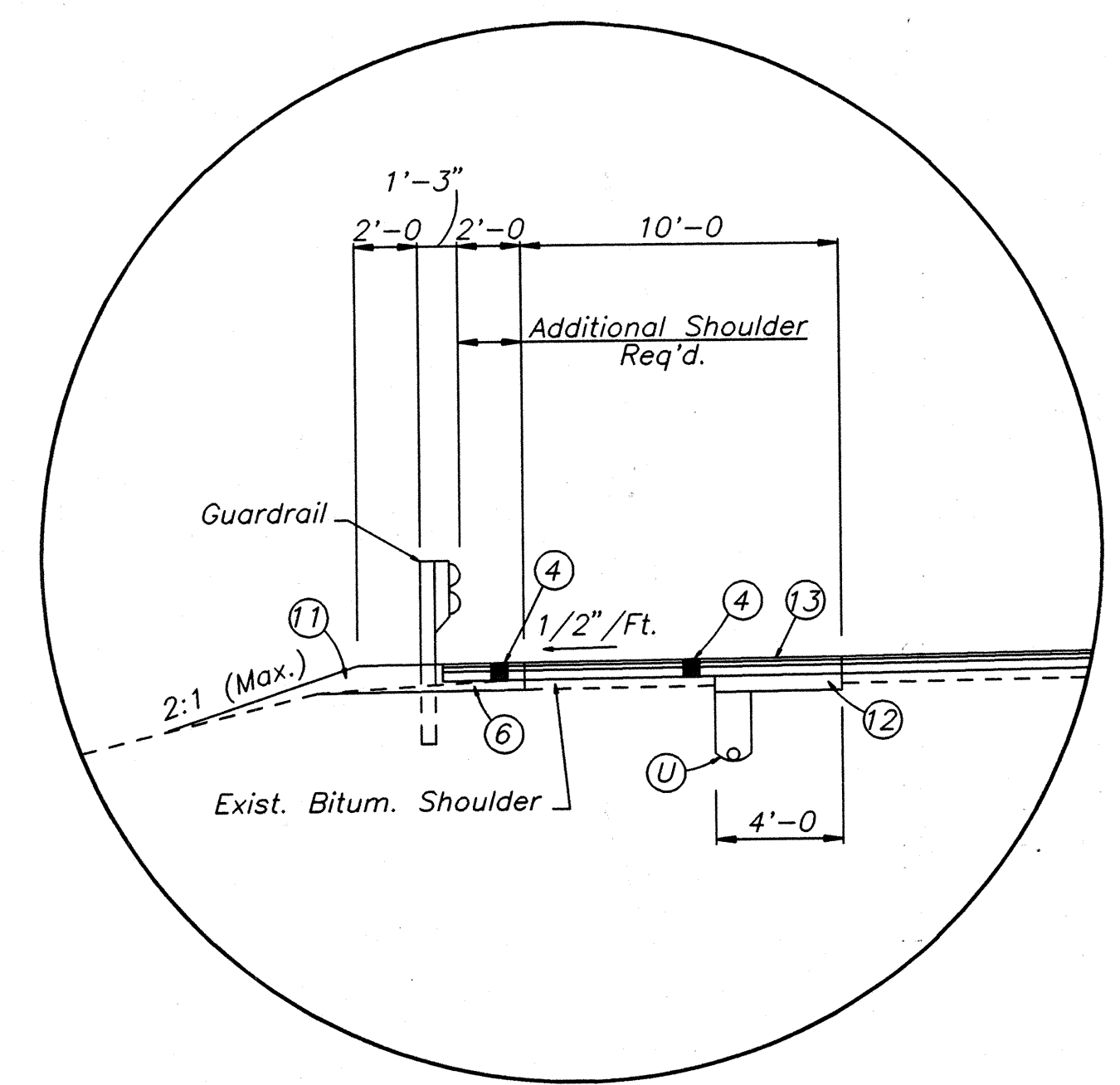
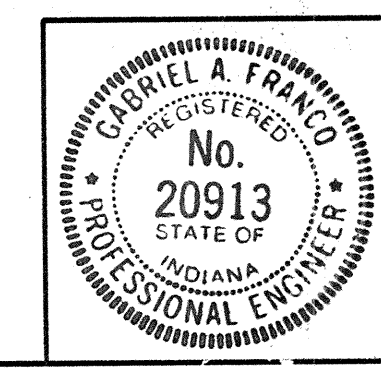
SECTION A-A (For Gore Area in Fill) Not to Scale

LEGEND

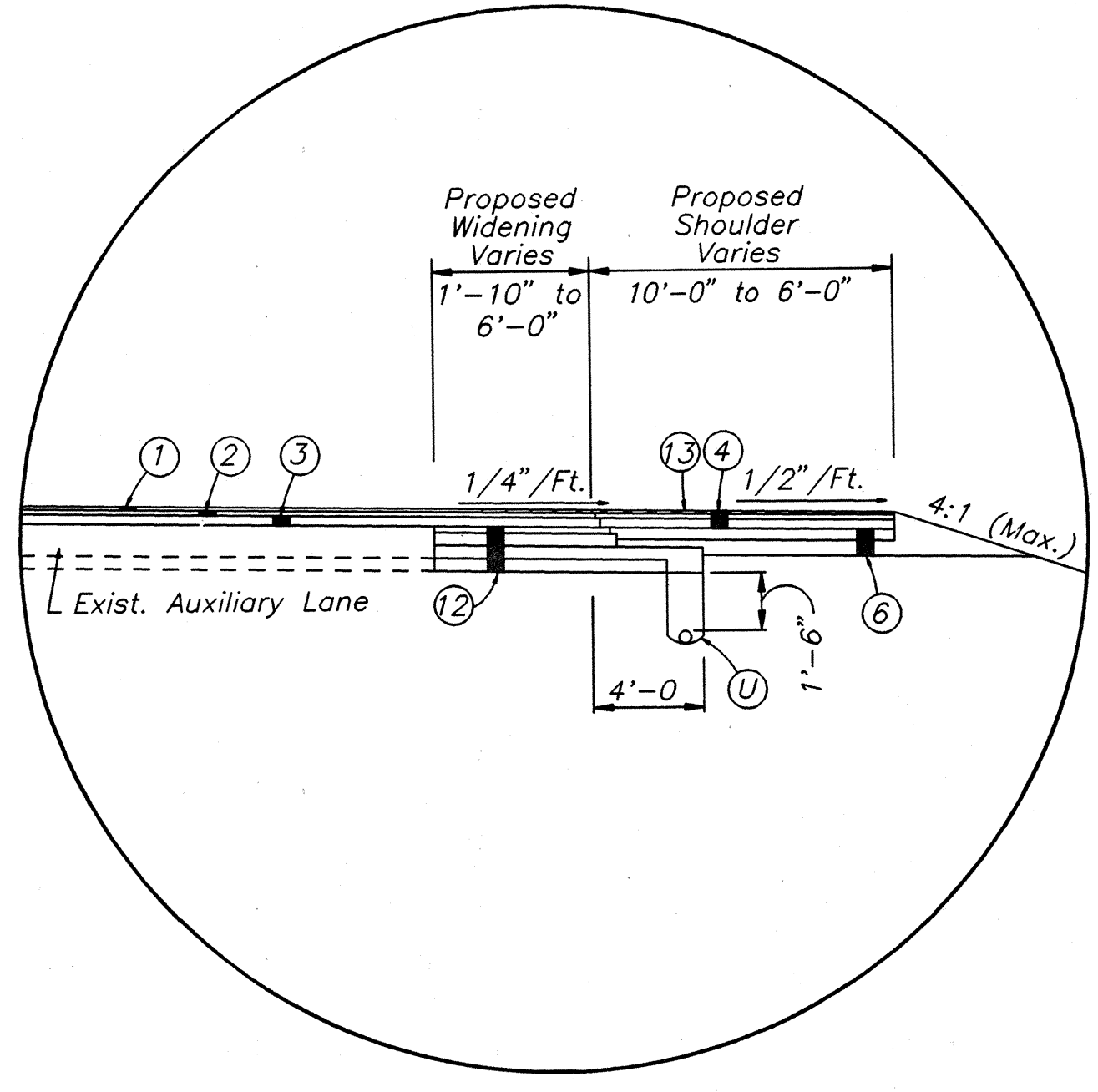
- ① 110#/Syd. Bituminous Surface 11 HV.
- ② 165#/Syd. Bituminous Binder 8 or 9 HV.
- ③ 305#/Syd. (Min.) Bituminous Base 5 HV.
- ④ 165#/Syd. Bituminous Surface 11 LV on 165#/Syd. Bituminous Binder 8 or 9 LV on 250#/Syd. Bituminous Base 5 LV.
- ⑥ 330#/Syd. Bituminous Base No.5D LV on 9" Type "O" Compacted Aggregate Base (Size No.53)
- ⑦ Type "O" Compacted Aggregate Base (Size No. 53)
- ⑧ 220#/Syd. Bituminous Binder 8 or 9 MV on 440#/Syd. Bituminous Base 5 MV on 400#/Syd. Bituminous Base 5C MV on 400#/Syd. Bituminous BASE 5D MV.
- ⑨ Corrugated Bituminous Shoulder (See Miscellaneous Standards Sheet MI 1)
- Ⓚ Underdrain (For Details See Sheet No.53 and Miscellaneous Standards Sheet MN)

INDIANA DEPARTMENT OF TRANSPORTATION TYPICAL CROSS SECTIONS

SCALE: No Scale

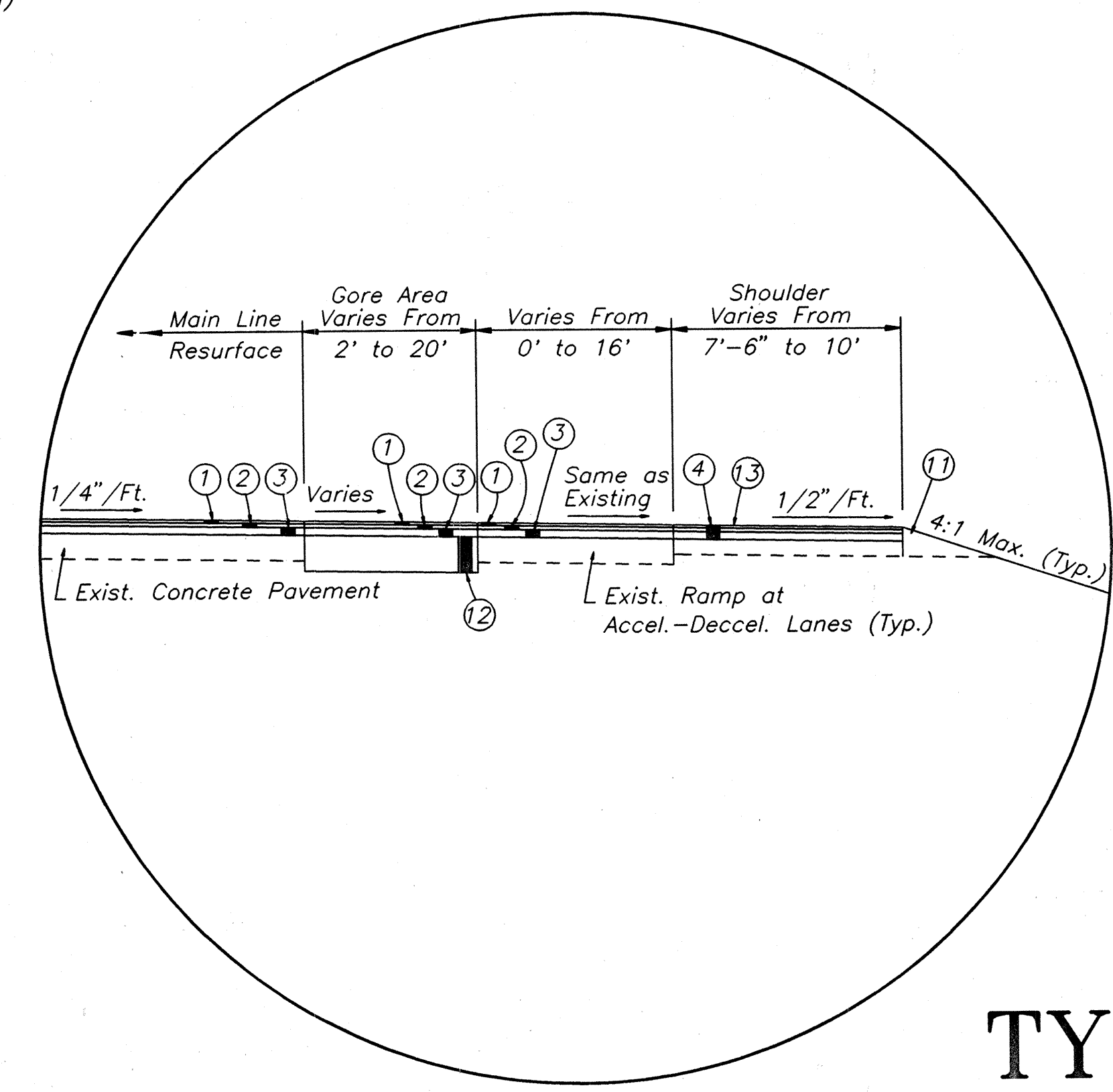


GUARDRAIL SECTION



DETAIL FOR WIDENING AUXILIARY LANE

STA. 386+06.25 TO STA. 391+14 "B"

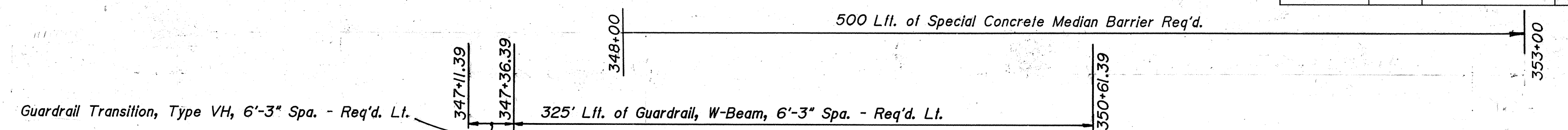


I-94 TYPICAL SECTION AT AUXILIARY LANES

7017702 BY:MP

Sec. 6, T38N, R3W
Springfield Twp.
La Porte County

FEDERAL ROAD REGION NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	STI-94-2(139	1992	5	126



BEGIN STI - PROJECT NO. 94-2(139
STA. 350+00 LINE "B"
END STI PROJECT NO. 94-2()
(By Cole Associates Inc.)

INCIDENTAL CONSTRUCTION
For Median Pavement, Special Concrete Median Barrier and Beginning of Resurfacing at Sta. 348+00, For Beginning of Guardrail Installation at Sta. 346+58.90

*50 STR. NO. I
Sta. 344+7244 to Sta. 346+20.3
Bidge File No. I-94-44-2253
(Under Seperate Contract)

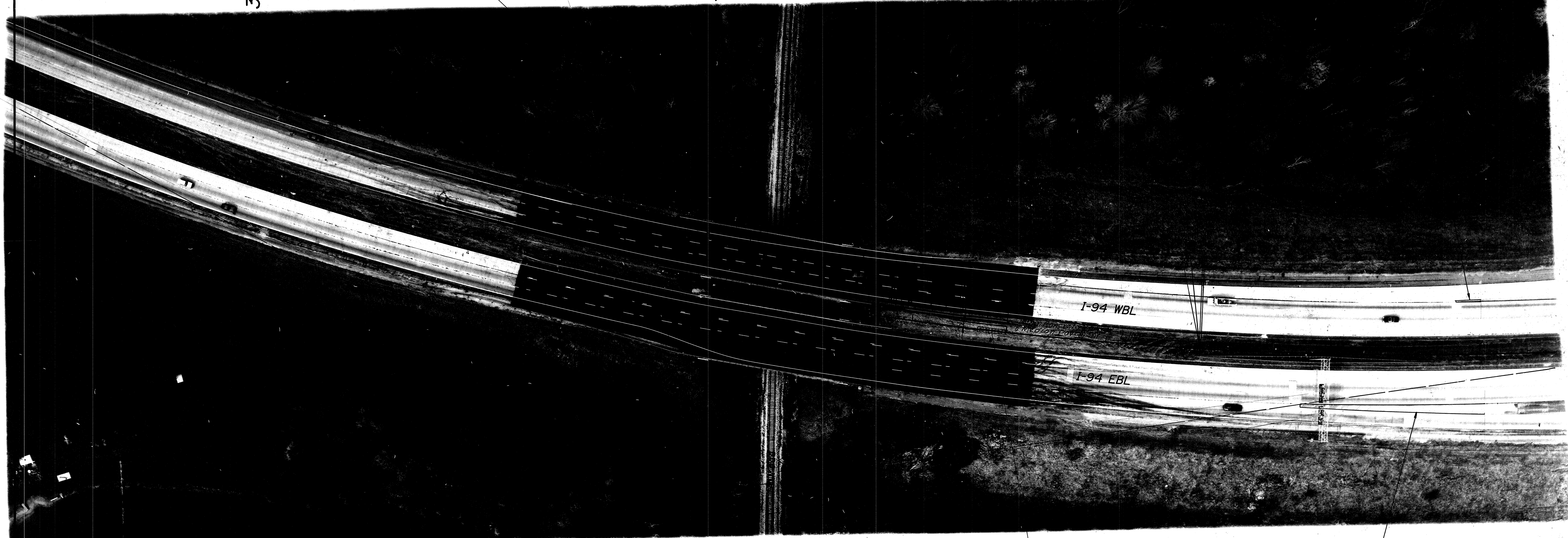
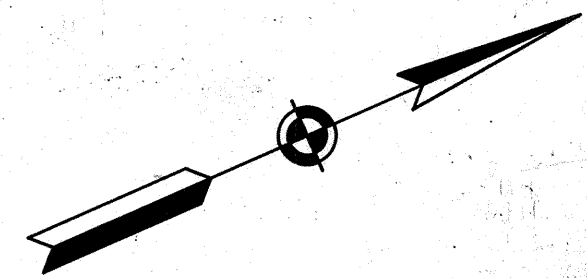
Guardrail Transition Type VH, 6'-3" Spa. Req'd. Lt. (@ Median)

75' of Guardrail W-Beam, 6'-3" Spa. Req'd. Lt. (@ Median)

I.G.R.E.T., Type MS, Req'd. Lt. (@ Median)

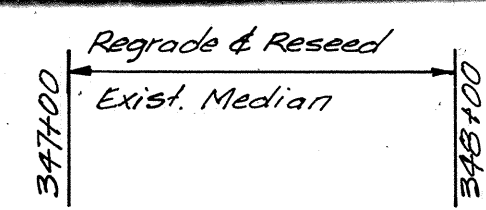
Modified Inlet Type H-5 & 138' of 15" Pipe Reel (Back 64' of Pipe), 24' of 12" Blotted Drain Req'd.

Standard Gore Treatment (See Sheet No. 4)

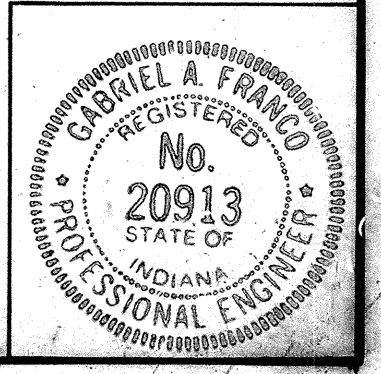
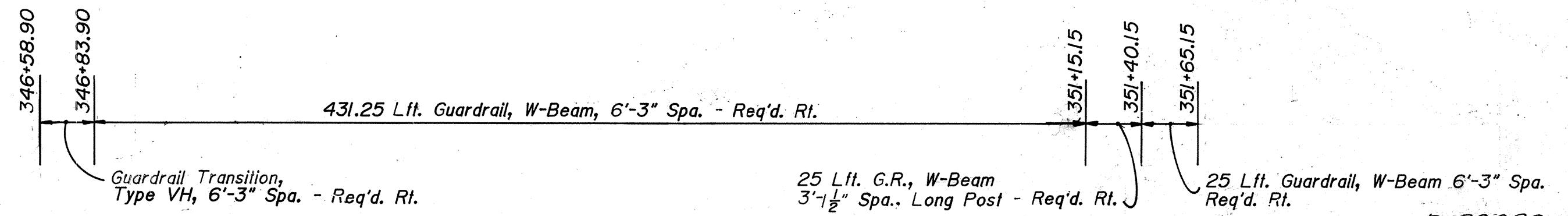


CURVE DATA

P.I. 346+28.60 "B"
Δ = 36°31'20" LI.
D = 1°30'
T = 1260.50'
L = 2434.80'
E = 202.57'
R = 3820.00'
S.E. = 0.042 FI./FI.



One 9 Bay G.R.E.A.T. Req'd. At Beginning of Median Barrier Sta. 347+70 to Sta. 348+00



R-20080

FEDERAL ROAD REGION NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	STI-94-21	139	6	126

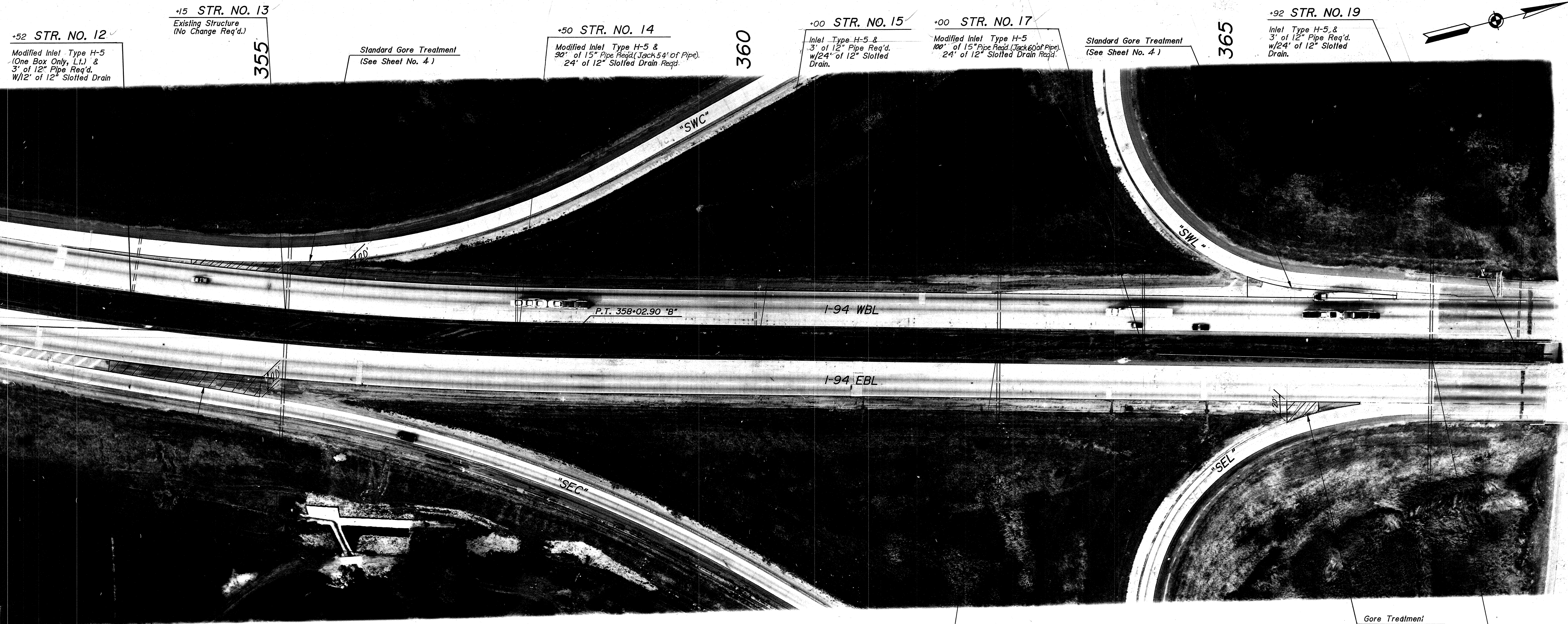
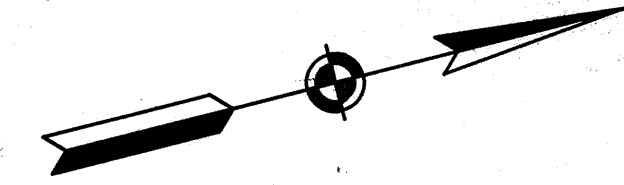
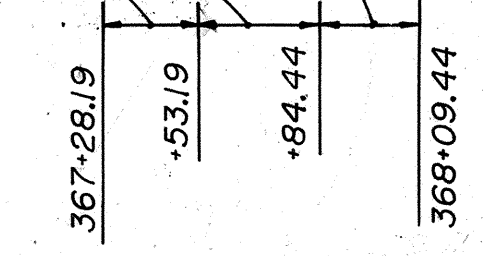
Sec. 6, T38N, R3W
Springfield Twp.
La Porte County

700 Lft. of Special Concrete Median Barrier Req'd.

802.72 Lft. of Concrete Median Barrier Req'd.

Limits of P.S.D. to be broken and left in Place.
60 Tons of Reveiment Riprap Req'd. Lt.
(For Detail See Sheet No. 55)

Guardrail, Transition Type GB - Req'd. Lt.
31'-3" Lft. of Guardrail, W-Beam, 3'-1 1/2" Spa. - Req'd. Lt.
25 Lft. of Guardrail W-Beam, 6'-3" Spa. Req'd. Lt.



+52 STR. NO. 12
Modified Inlet Type H-5
(One Box Only, Lt.) &
3' of 12" Pipe Req'd.
W/12' of 12" Slotted Drain

+15 STR. NO. 13
Existing Structure
(No Change Req'd.)

Standard Gore Treatment
(See Sheet No. 4)

+50 STR. NO. 14
Modified Inlet Type H-5 &
30' of 15" Pipe Req'd. (Jack 54' of Pipe).
24' of 12" Slotted Drain Req'd.

+00 STR. NO. 15
Inlet Type H-5 &
3' of 12" Pipe Req'd.
w/24' of 12" Slotted Drain.

+00 STR. NO. 17
Modified Inlet Type H-5
100' of 15" Pipe Req'd. (Jack 60' of Pipe).
24' of 12" Slotted Drain Req'd.

Standard Gore Treatment
(See Sheet No. 4)

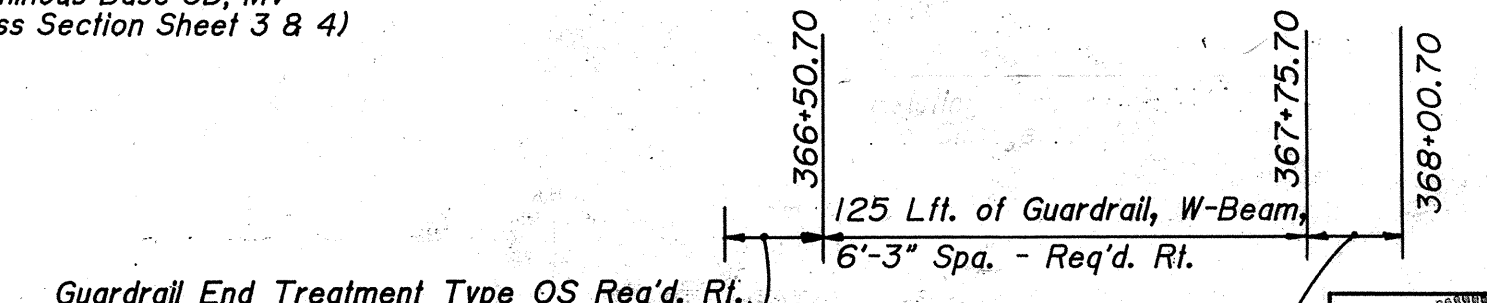
+92 STR. NO. 19
Inlet Type H-5 &
3' of 12" Pipe Req'd.
w/24' of 12" Slotted Drain.

Standard Gore Treatment
(See Sheet No. 4)

STR. NO. 16
Existing Structure
(No Change Req'd.)

Proposed Resurface on
220 #/Syd. Bituminous Binder 8 or 9, MV on
440 #/Syd. Bituminous Base 5, MV on
400 #/Syd. Bituminous Base 5C, MV on
400 #/Syd. Bituminous Base 5D, MV
(See Typical Cross Section Sheet 3 & 4)

Gore Treatment
(See Sheet No. 4)
+00 STR. NO. 18
Existing Structure
(No Change Req'd.)



Guardrail End Treatment Type OS Req'd. Rt.
125 Lft. of Guardrail, W-Beam,
6'-3" Spa. - Req'd. Rt.
Guardrail, Transition Type GB Req'd. Rt.

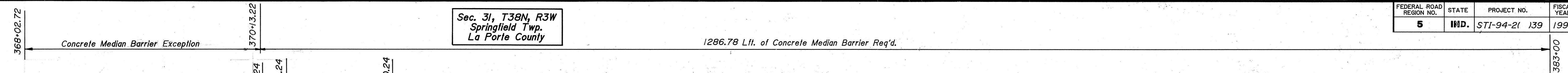


R-20060

FEDERAL ROAD REGION NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	STI-94-21 139	1992	7	126

Sec. 31, T38N, R3W
Springfield Twp.
La Porte County

1286.78 Lft. of Concrete Median Barrier Req'd.



Guardrail, Transition Type GB - Req'd. Lt.
W-Beam, 6'-3" Spa. Req'd. Lt.
Guardrail End Treatment, Type OS Req'd. Lt.

+00 STR. NO. 2
To Be Constructed in Combination with Road Project PAVING EXCEPTION Sta. 368+22.22 to Sta. 369+93.72 Bridge File No. I-94-45-4487

Gore Treatment (See Sheet No. 4)

+50 STR. NO. 20
Inlet Type H-5 & 90' of 15" Pipe Req'd. (Jack 54' of Pipe). 24" of 12" Slotted Drain Req'd.

+02 STR. NO. 21
Inlet Type H-5 & 3' of 12" Pipe Req'd. w/24" of 12" Slotted Drain.

Standard Gore Treatment (See Sheet No. 4)

+00 STR. NO. 22
Inlet Type H-5 & 105' of 15" Pipe Req'd. (Jack 30' of Pipe). 24" of 12" Slotted Drain Req'd.



Paving Exception (See Bridge Plans)

Paving Exception (See Bridge Plans)

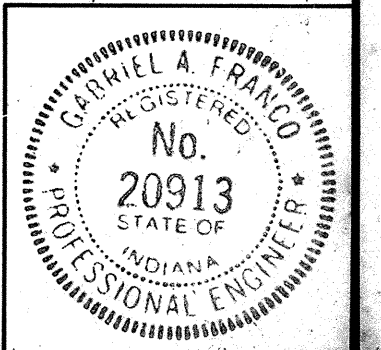
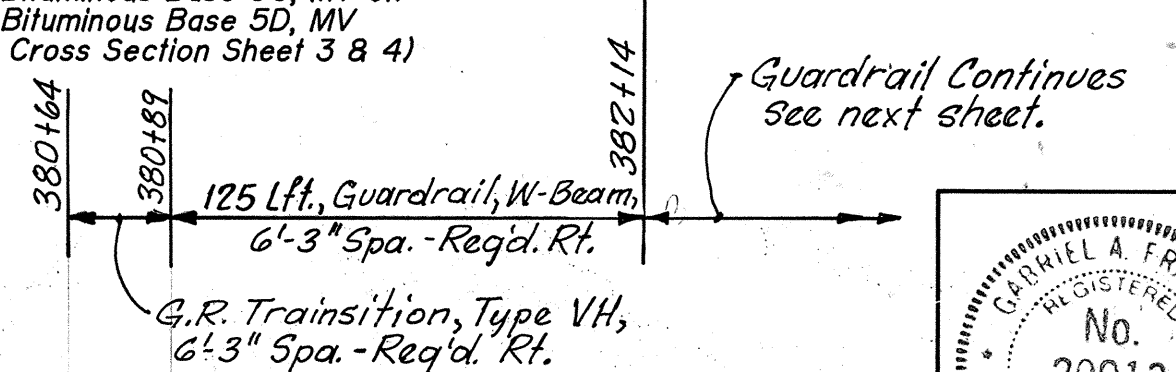
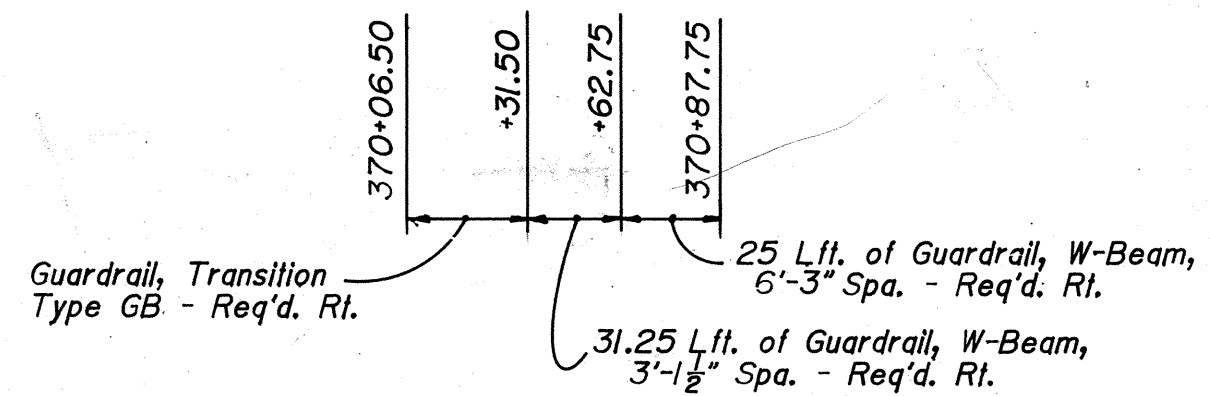
Gore Treatment (See Sheet No. 4)

Standard Gore Treatment (See Sheet No. 4)

Shoulder Construction: Prop. Resurface on 330#/Syd. Bituminous Base 5D, LV on 9" Type 10" Comp. Aggregate Base (Base No. 53) (See Typical Cross Section Sheet 3 and 4)

Proposed Resurface on 220#/Syd. Bituminous Binder 8 or 9, MV on 440#/Syd. Bituminous Base 5, MV on 400#/Syd. Bituminous Base 5C, MV on 400#/Syd. Bituminous Base 5D, MV (See Typical Cross Section Sheet 3 & 4)

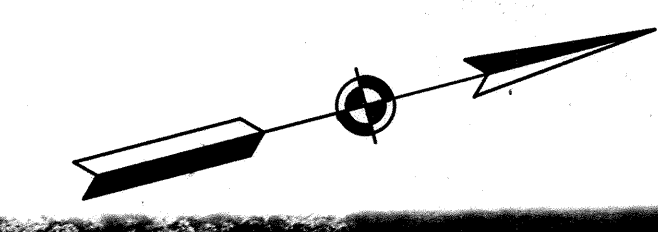
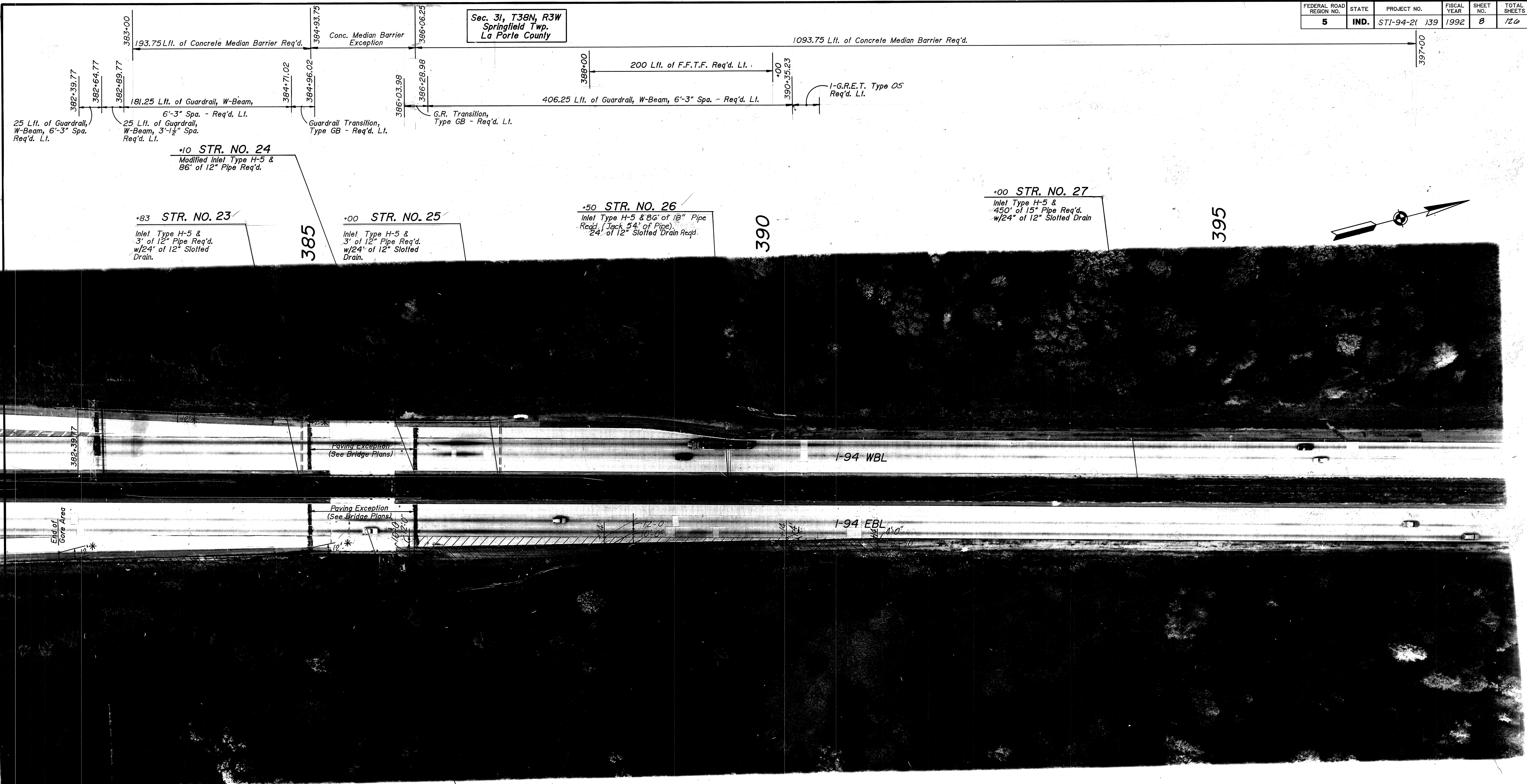
* 2' of Additional Shoulder is included for Guardrail Section.



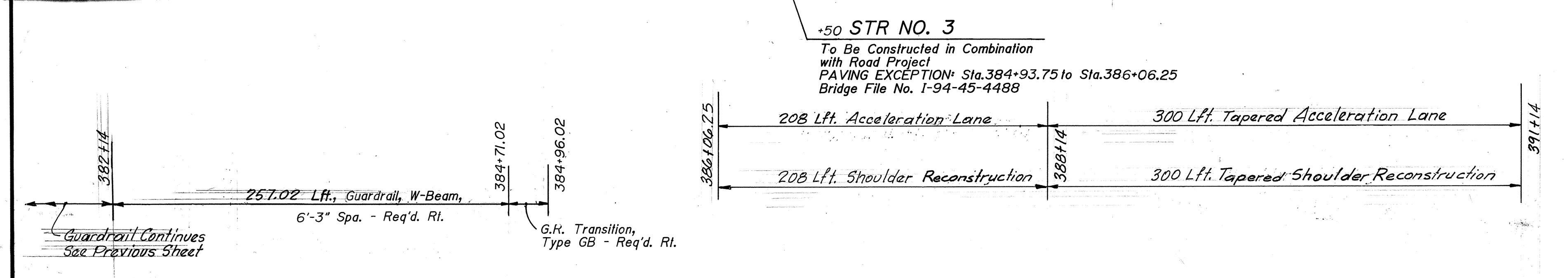
R-20060

FEDERAL ROAD REGION NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	STI-94-21 139	1992	8	120

Sec. 31, T38N, R3W
Springfield Twp.
La Porte County



+50 STR. NO. 3
To Be Constructed in Combination with Road Project
PAVING EXCEPTION: Sta. 384+93.75 to Sta. 386+06.25
Bridge File No. I-94-45-4488



Widening Auxiliary Lane and Shoulder Reconstruction With Full Depth Bituminous Pavement: Proposed Resurface on 220#/Syd. Bituminous Binder 8 or 9, MV on 440#/Syd. Bituminous Base 5, MV on 400#/Syd. Bituminous Base 5C, MV on 400#/Syd. Bituminous Base 5D, MV (See Typical Cross Section Sheet 3 & 4)

Shoulder Construction: Proposed Resurface on 330#/Syd. Bituminous Base 5D, LV on 9" Type "O" Compacted Aggregate Base (Size No. 53) (See Typical Cross Section Sheet 3 and 4)

* 2' of Additional Shoulder is included for Guardrail Section.



R-20060

Sec. 31, T38N, R3W
Springfield Twp.
La Porte County

FEDERAL ROAD REGION NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	STI-94-21 139	1992	9	126

1100 Lft. of Concrete Median Barrier Req'd.

400 Lft. of Special Concrete Median Barrier Req'd.

397+00

408+00

412+00

400

+00 STR. NO. 29
Modified Inlet Type H-5 & 98' of
18" Pipe Req'd. (Jack 54' of Pipe)
24' of 12" Slotted Drain Req'd.

+00 STR. NO. 28
Inlet Type H-5 &
3' of 12" Pipe Req'd.
w/24' of 12" Slotted
Drain.

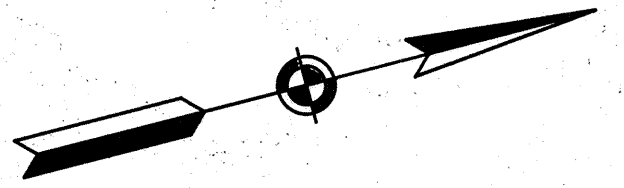
405

+25 STR. NO. 30
Exist 36" Pipe,
36" Type I Grated Box
End Section (34) Req'd. Lt. & Rt.

+06 STR. NO. 31
Existing Structure
(No Change Req'd.)

410

+00 STR. NO. 32
Modified Inlet Type H-5 &
396' of 18" Pipe Req'd.



I-94 WBL

P.C. 409+82.50 "B"

Exist.
6" Tile

Remove Existing
Inlet & Plug Pipe

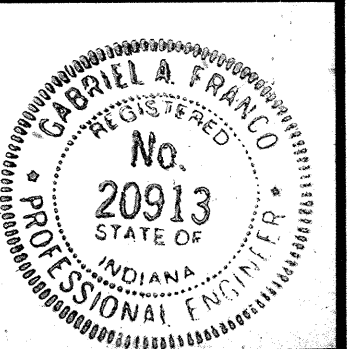
I-94 EBL

Proposed Pipe

404+00

200 Lft. of F.F.T.F. Req'd. Rt.

406+00



R-20050

FEDERAL ROAD REGION NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	STI-94-21 139	1992	10	120

Sec. 31, T38N, R3W
Springfield Twp.
La Porte County

325 Lft. of Special Concrete Median Barrier Req'd.

1135 Lft. of Special Concrete Median Barrier Req'd.

+50 STR. NO. 4
Bridge File No. I-94-45-5758

+00 STR. NO. 33
Modified Inlet Type H-5 &
396' of 15" Pipe Req'd.
w/308' of 12" Slotted Drain.

+80 STR. NO. 35
Exist. 36" Pipe.
2-36" Type II Grated Box End Section
(34) Req'd.

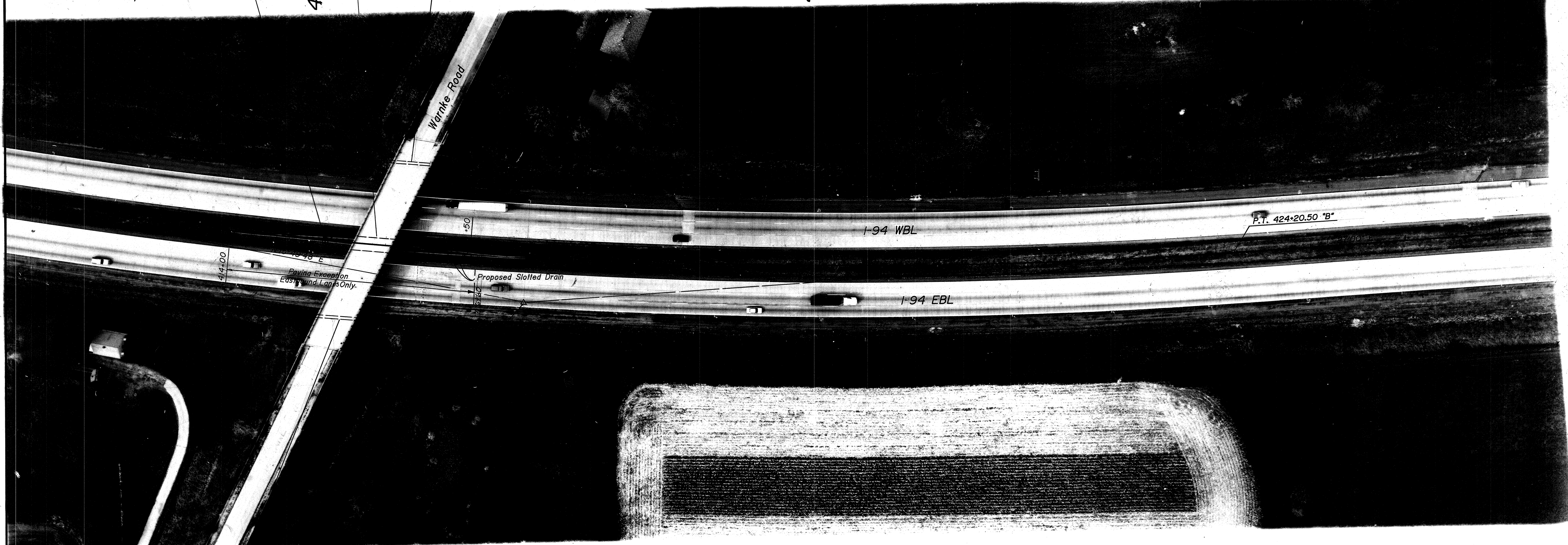
+20 STR. NO. 34
Exist. 36" Pipe.
2-36" Type II Grated Box
End Section (34) Req'd.

CURVE DATA
P.I. 417+05.40 "B"
 $\Delta = 14^{\circ}22'48"$ LI.
D = 1'00"
T = 722.90'
L = 1438.00'
E = 45.40'
R = 5730.00'
S.E. = 0.028 FI/PI.

415

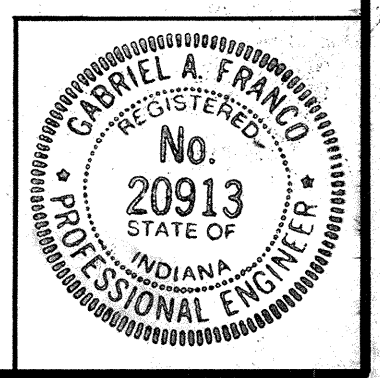
420

425



412+00 100 Lft. of F.F.T.F. Req'd. RI. 413+00

420+00 100 Lft. of F.F.T.F. Req'd. RI. 421+00



R-20060

Sec. 30, T38N, R3W
Springfield Twp.
La Porte County

1298 Lft. of Concrete Median Barrier Req'd.

FEDERAL ROAD REGION NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	STI-94-21 139	1992	11	126

427+00

428+02

102 Lft. of Special Concrete Median Barrier Req'd.

441+00

+50 STR. NO. 36

Inlet Type H-5 & 90' of 15" Pipe Req'd (Jack 54' of Pipe). 112' of 12" Slotted Drain Req'd.

430

+10 STR. NO. 37

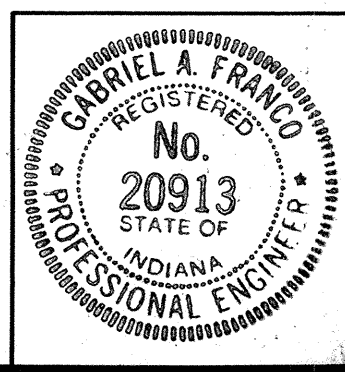
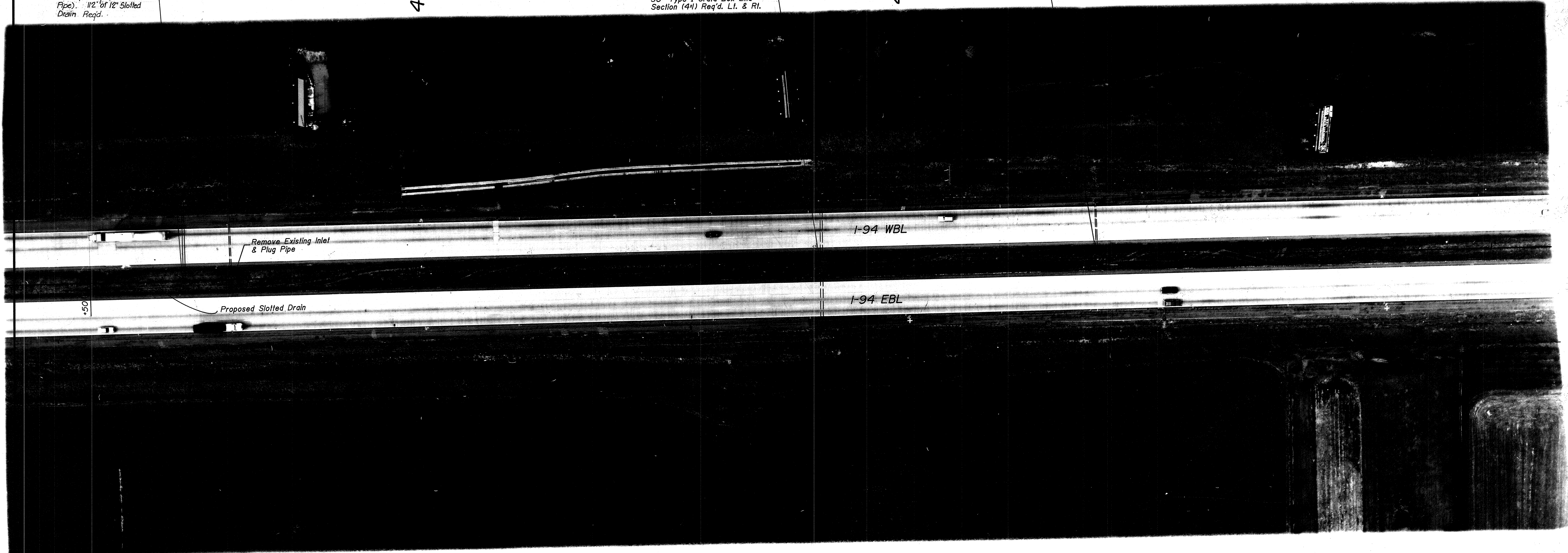
Modified Inlet Type H-5 & 8' of 36" Pipe Req'd. w/24' of 12" Slotted Drain & 36" Type I Grate Box End Section (411) Req'd. Lt. & Rt.

435

+04 STR. NO. 38

Inlet Type H-5 & 3' of 12" Pipe Req'd. w/24' of 12" Slotted Drain.

440



R-20080

FEDERAL ROAD REGION NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	STI-94-21	139	12	126

Sec. 30, T38N, R3W
Springfield Twp.
La Porte County

441+00

791 Lft. of Concrete Median Barrier Req'd.

448+91
449+29

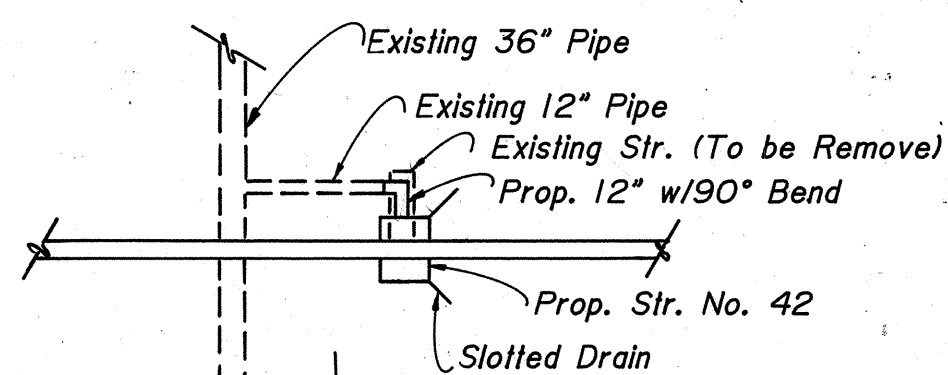
571 Lft. of Concrete Median Barrier Req'd.

400 Lft. of F.F.T.F. Req'd. LI.

455+00

305.62 Lft. of Guardrail, W-Beam, 6'-3" Spa. - Req'd. LI.

DETAIL OF STR. NO. 42



+63 STR. NO. 41
Exist. 36" Pipe.
36" Type I Grated Box
End Section (3') Req'd. LI. & Rt.

Taper Concrete Median Barrier
300 Lft. from 5' LI to 0'

+08 STR. NO. 43
Exist. 36" Pipe
No Change Req'd.

+48 STR. NO. 44
Inlet Type H-5 &
3' of 12" Pipe Req'd.
w/24' of 12" Slotted
Drain.

+50 STR. NO. 39
Inlet Type H-5 & 84' of 15"
Pipe Req'd. (Jack 54' of
Pipe) - 24' of 12" Slotted
Drain Req'd.

+80 STR. NO. 40
Inlet Type H-5 &
3' of 12" Pipe Req'd.
w/48' of 12" Slotted
Drain.

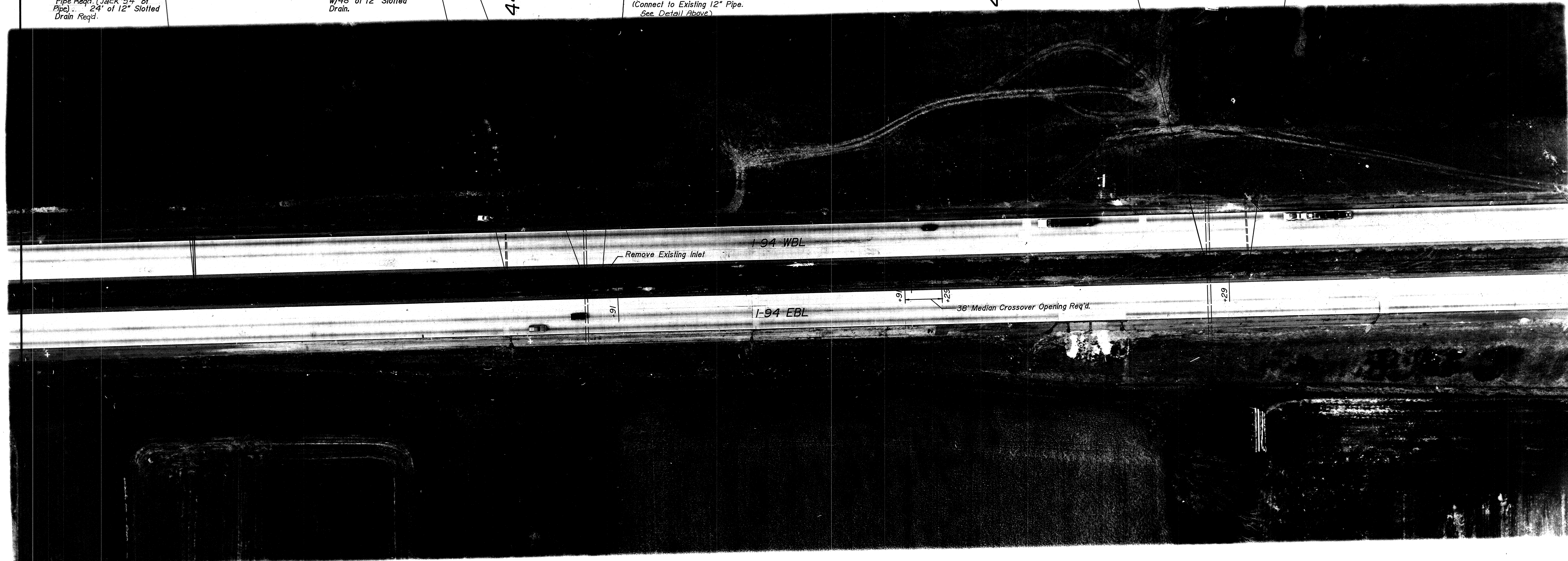
+80 STR. NO. 42
Inlet Type H-5 &
15' of 12" Pipe & 1-90° Bend Req'd.
w/24' of 12" Slotted Drain
(Connect to Existing 12" Pipe.
See Detail Above)

Median Crossover Opening
(See Detail Sheet No. 5)

445

450

455



Remove Existing Inlet

I-94 WBL

I-94 EBL

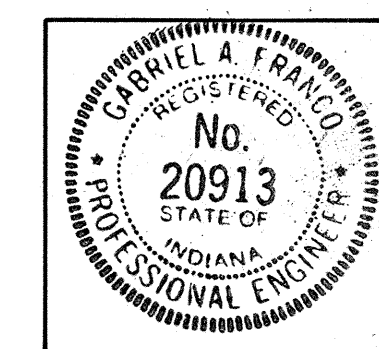
38' Median Crossover Opening Req'd.

I-G.R.E.T. Type 05
Req'd. RI.

448+19.38

680.62 Lft. of Guardrail, W-Beam, 6'-3" Spa. - Req'd. RI.

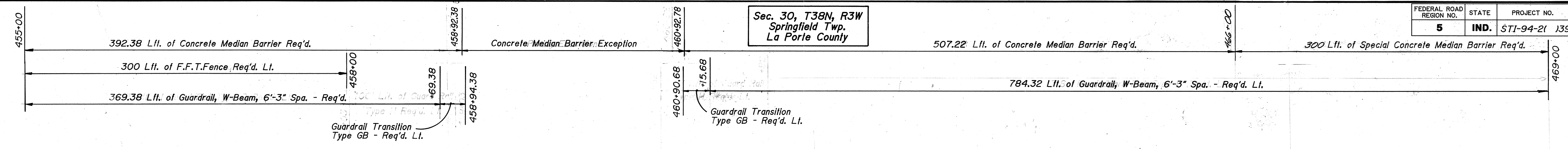
455+00



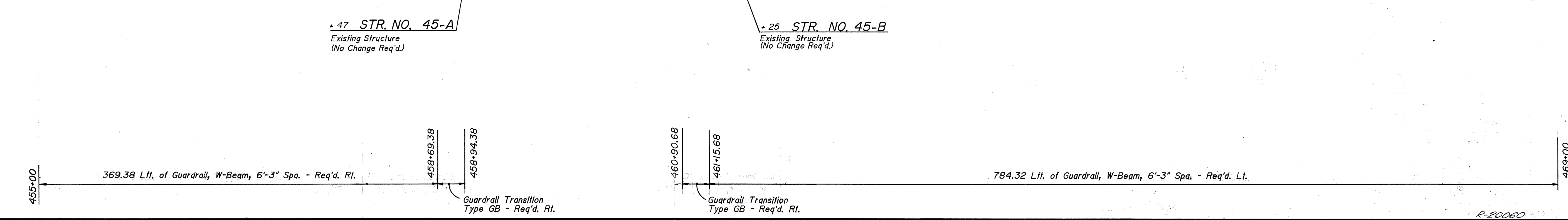
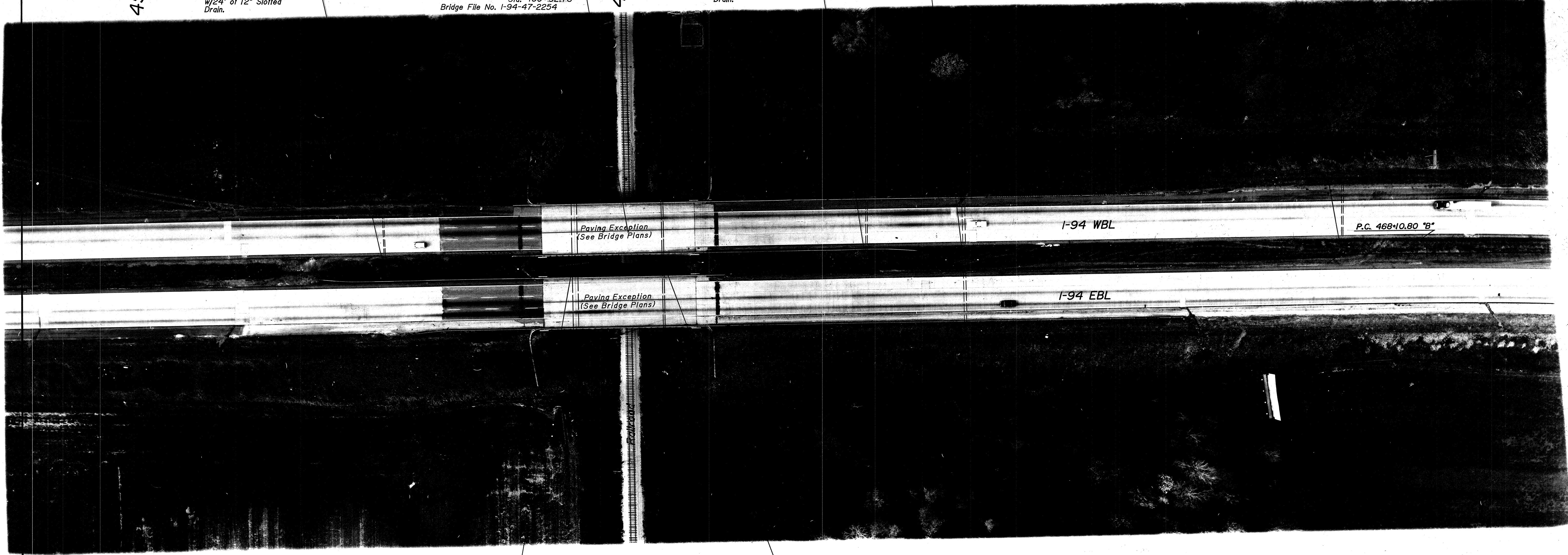
R-20060

FEDERAL ROAD REGION NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	STI-94-21 139	1992	13	126

Sec. 30, T38N, R3W
Springfield Twp.
La Porte County



- 455 STR. NO. 45
Inlet Type H-5 & 3' of 12" Pipe Req'd. w/24" of 12" Slotted Drain.
- +00 STR. NO. 5
To Be Constructed in Combination with Road Project
Paving Exception: Sta. 458+92.38 to Sta. 460+92.78
Bridge File No. I-94-47-2254
- 460 STR. NO. 46
Inlet Type H-5 & 3' of 12" Pipe Req'd. w/24" of 12" Slotted Drain.
- +50 STR. NO. 47
Existing Structure (No Change Req'd.)
- 465 STR. NO. 47
- +49 STR. NO. 48
Inlet Type H-5 (One Box Only, Lt.) & 3' of 12" Pipe Req'd. w/12" of 12" Slotted Drain.



- +47 STR. NO. 45-A
Existing Structure (No Change Req'd.)
- +25 STR. NO. 45-B
Existing Structure (No Change Req'd.)



R-20060

FEDERAL ROAD REGION NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	STJ-94-21 139	1992	14	126

Sec. 30, T38N, R3W
Springfield Twp.
La Porte County

Sec. 19, T38N, R3W
Springfield Twp.
La Porte County

950 Lft. of Special Concrete Median Barrier Req'd.

211 Lft. of Special Concrete Median Barrier Req'd.

603.18 Lft. of Guardrail, W-Beam, 6'-3" Spa. - Req'd. L.I.

Guardrail End Treatment
Type OS - Req'd. L.I.

+00 STR. NO. 50

Exist. 36" Pipe.
(No Change Req'd.)

+00 STR. NO. 49

Modified Inlet Type H-5 & 100' of
15" Pipe Req'd. (Jack 54" of Pipe).
24" of 12" Slotted Drain. Req'd.

+00 STR. NO. 51

Inlet Type H-5 (One Box
Only, L.I.) & 3' of 12" Pipe
Req'd. w/12" of 12" Slotted
Drain.

+00 STR. NO. 52

Inlet Type H-5 (One Box
Only, L.I.) & 88' of 12" Pipe
Req'd. w/12" of 12" Slotted
Drain.

+77 STR. NO. 53

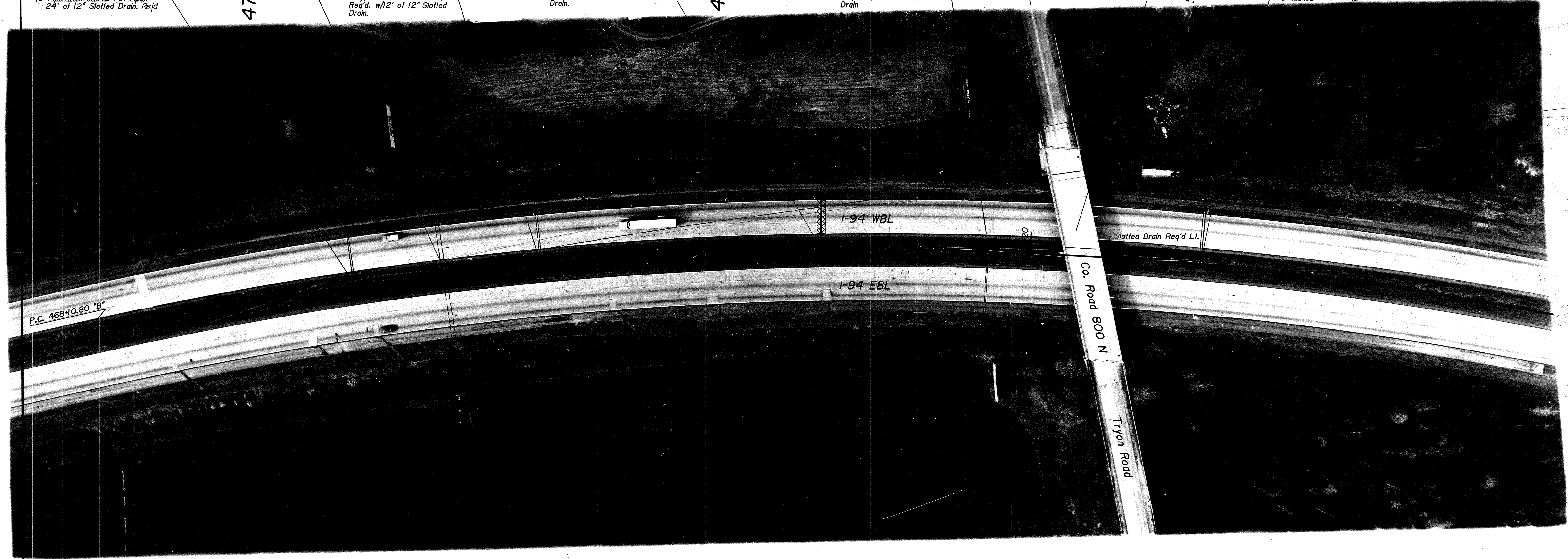
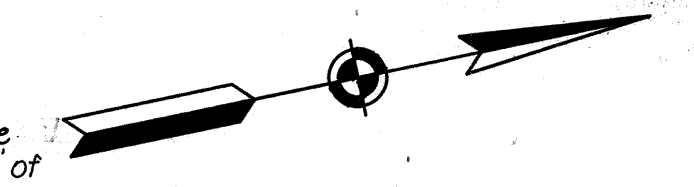
Inlet Type H-5 (One Box
Only, R.I.) & 3' of 12" Pipe
Req'd. w/12" of 12" Slotted
Drain.

+60 STR. NO. 6

Bridge File No. I-94-47-4489

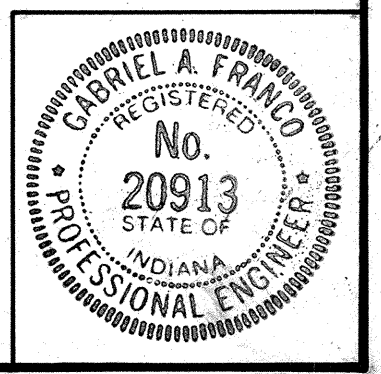
+00 STR. NO. 54

Inlet Type H-5 (One Box
only, L.I.) & 88' of 15" Pipe
Req'd. (Jack 54" of Pipe). 184' of
12" Slotted Drain Req'd.



469+00 | 278.18 Lft. Guardrail, W-Beam, 6'-3" Spa. - Req'd. R.I. | 471+78.18

- XXXXXX Cement Concrete Pavement for Patching
(See Miscellaneous Standard Pavement
Joint's Sheet A)
- ||||| Bituminous Mixture for
Patching Shoulder
(Sheet Detail Sheet No. 54)



R-20060

Sec. 19, T38N, R3W
Springfield Twp.
La Porte County

1200 Lft. of Special Concrete Median Barrier Req'd.

FEDERAL ROAD REGION NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	STI-94-21 139	1992	15	126

481+00

486+00

200 Lft. of F.F.T.F. Req'd. Lt.

488+00

493+00

CURVE DATA

P.I. 485+60.80 "B"
 $\Delta = 49^{\circ}19'38''$ Rt.
D = 1'30"
T = 1750.00
L = 3281.80'
E = 381.81'
R = 3820.00
S.E. = 0.042 Ft./Ft.

+00 STR. NO. 55

Inlet Type H-5 (One Box only, Lt.) & 3' of 12" Pipe Req'd. w/24" of 12" Slotted Drain.

485

P.I. 485+60.80 "B"

+00 STR. NO. 57

Inlet Type H-5 (One Box Only, Lt.) & 3' of 12" Pipe Req'd. w/24" of 12" Slotted Drain.

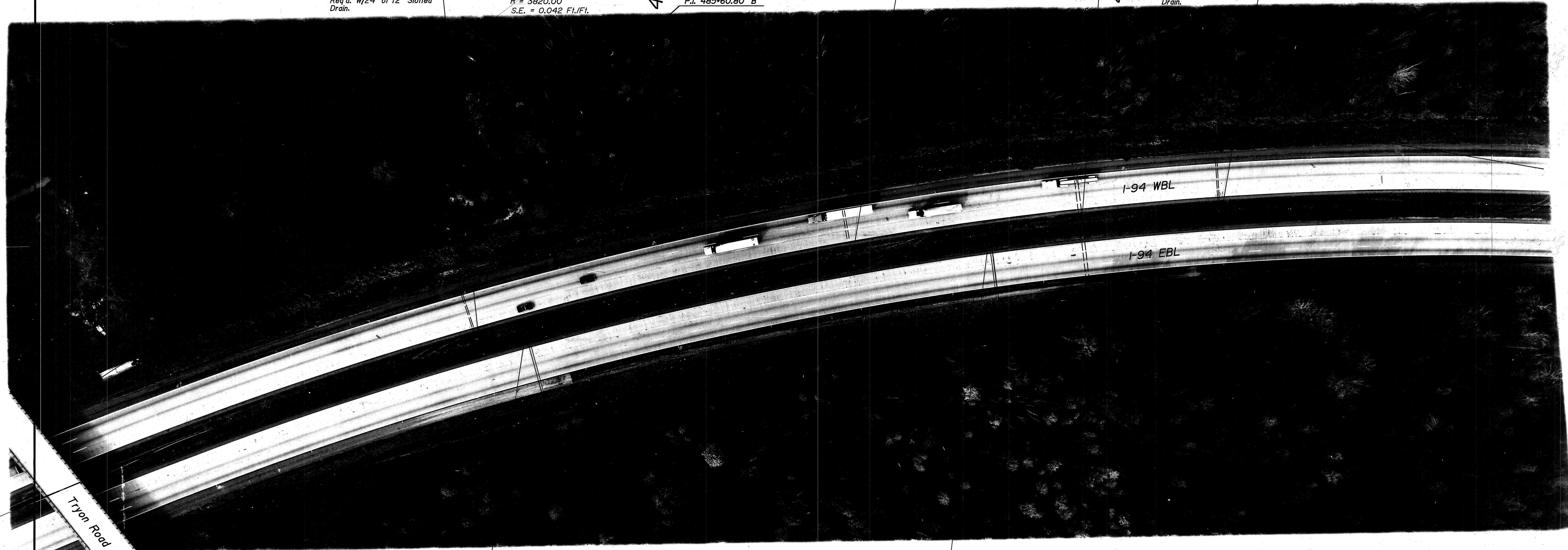
+50 STR. NO. 59

Exist. 36" Pipe.
36" Type I Graded Box End Section (34) Req'd. Lt. & Rt.

490

+02 STR. NO. 60

Modified Inlet Type H-5 (One Box Only, Lt.) & 3' of 12" Pipe Req'd. w/24" of 12" Slotted Drain.

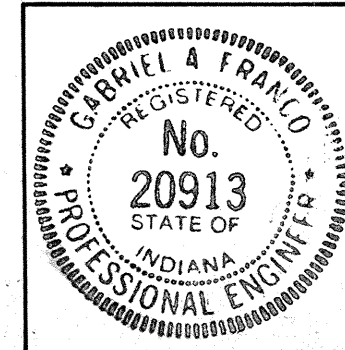


+50 STR. NO. 56

Modified Inlet Type H-5 (One Box Only, Rt.) & 8' of 15" Pipe Req'd. (Jack 5'4" of Pipe).
12' of 12" Slotted Drain Req'd.

+50 STR. NO. 58

Modified Inlet Type H-5 (One Box Only, Rt.) & 9' of 15" Pipe Req'd. (Jack 5'4" of Pipe).
12' of 12" Slotted Drain Req'd.



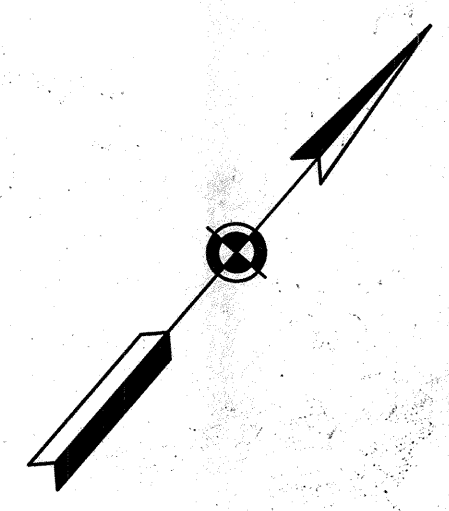
R-20060

FEDERAL ROAD REGION NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	STI-94-21 139	1992	16	126

Sec. 19, T38N, R3W
Springfield Twp.
La Porte County

1100 L.I. of Special Concrete Median Barrier Req'd.

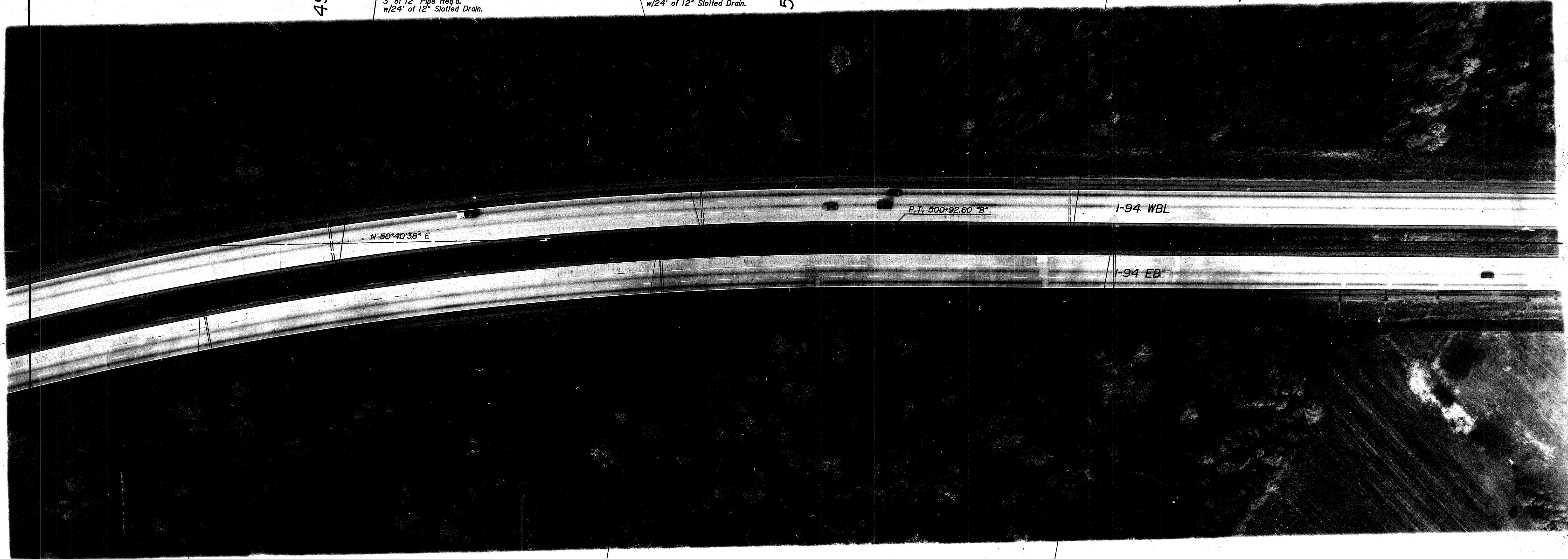
200 Lft of Concrete
Median Barrier Req'd



495
+00 STR. NO. 62
Inlet Type H-5
(One Box Only, L.I.) &
3' of 12" Pipe Req'd.
w/24" of 12" Slotted Drain.

500
+00 STR. NO. 64
Inlet Type H-5
(One Box Only, L.I.) &
3' of 12" Pipe Req'd.
w/24" of 12" Slotted Drain.

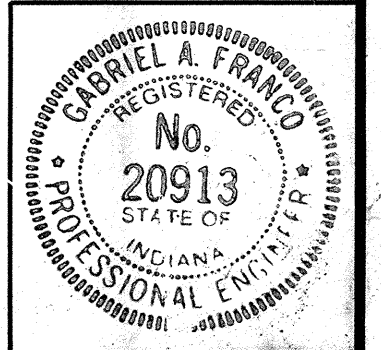
505
+00 STR. NO. 65
Inlet Type H-5
(One Box Only, L.I.) &
3' of 12" Pipe Req'd.
w/24" of 12" Slotted Drain.



+50 STR. NO. 61
Modified Inlet Type H-5
(One Box Only, R.I.) & 64' of 15"
Pipe Req'd. (Jack 54' of Pipe).
12' of 12" Slotted Drain Req'd.

+50 STR. NO. 63
Modified Inlet Type H-5
(One Box Only, R.I.) & 84' of 15"
Pipe Req'd. (Jack 54' of Pipe).
12' of 12" Slotted Drain Req'd.

+50 STR. NO. 66
Modified Inlet Type H-5
(One Box Only, R.I.) & 78' of 15"
Pipe Req'd. (Jack 54' of Pipe).
24' of 12" Slotted Drain Req'd.



R-20080

Sec. 19, T38N, R3W
Springfield Twp.
La Porte County

1300 Lf. of Concrete Median Barrier Req'd.

FEDERAL ROAD REGION NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	STI-94-21 139	1992	17	126

506+00

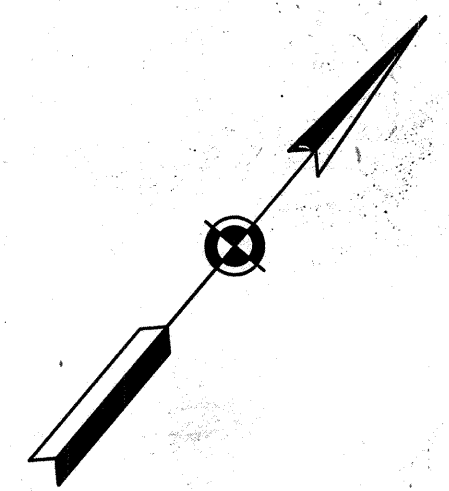
510+00

513+00

519+00

300 Lf. of Guardrail Type B - Req'd. Lt.

1 - G.R.E.T. Type OS - Req'd. Lt.



+50 STR. NO. 67

Exist. 50"x31" Pipe.
49"x33" Type 1 Grated Box
End Section (34) Req'd. Lt. & Rt.

+59 STR. NO. 68

Inlet Type H-5 &
5' of 12" Pipe Req'd.
w/24" of 12" Slotted
Drain.

+33 STR. NO. 69

Exist. 7'-6" CMP - 21" Skew
(No Change Req'd.)

+00 STR. NO. 70

Inlet Type H-5 &
3' of 12" Pipe Req'd.
w/24" of 12" Slotted Drain.

+00 STR. NO. 71

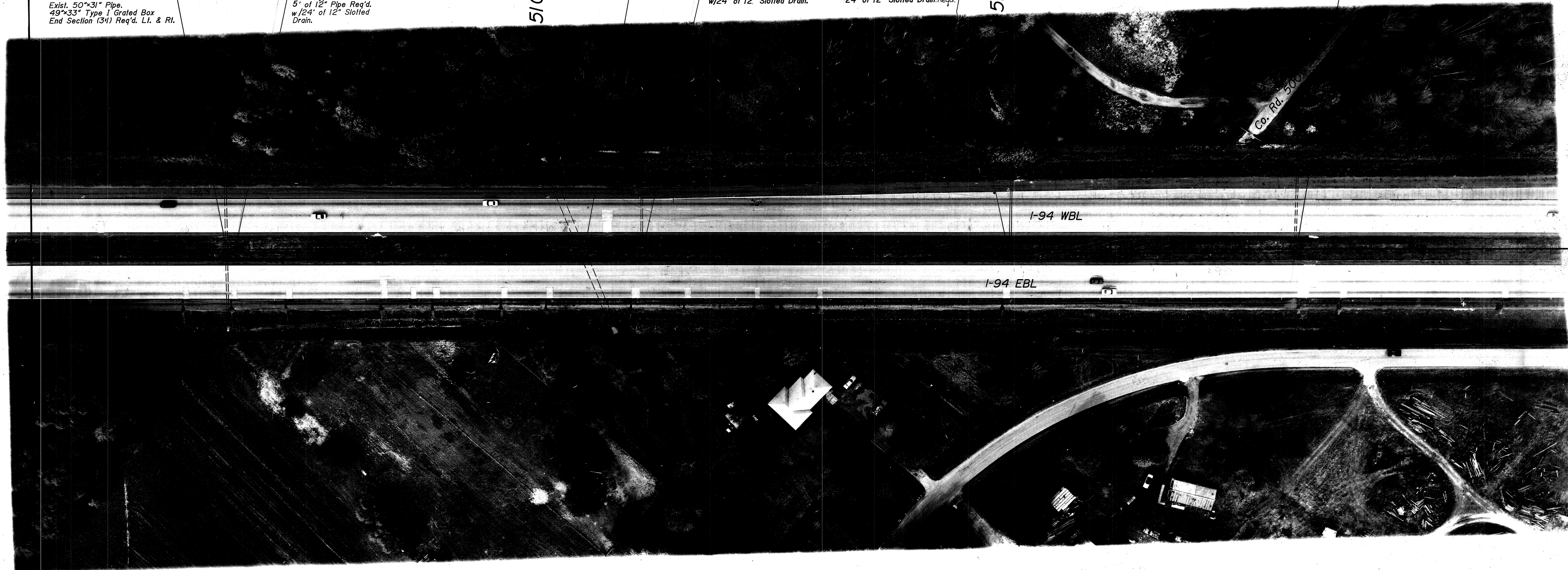
Modified Inlet Type H-5 & 90' of
15" Pipe Req'd. (Jack e2 of Pipe).
24' of 12" Slotted Drain Req'd.

+14 STR. NO. 72

Inlet Type H-5 &
3' of 12" Pipe Req'd.
w/24" of 12" Slotted Drain.

510

515

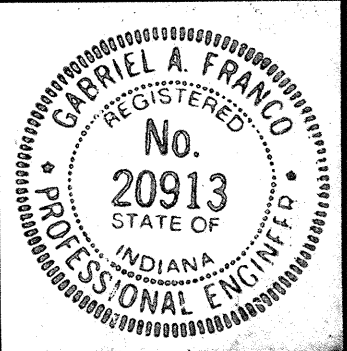


507+25

350 Lf. of Guard Rail Type B - Req'd. Rt.

510+75

1 - G.R.E.T. Type OS - Req'd. Rt.



R-20060

FEDERAL ROAD REGION NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	STI-94-21 139	1992	18	124

Sec. 20, T38N, R3W
Springfield Twp.
La Porte County

1400 Lfl. of Concrete Median Barrier Req'd.

519+00

533+00

+00 STR. NO. 73
Modified Inlet Type H-5 & 105 of 15"
Pipe Req'd. (Jack 72' of Pipe).
24' of 12" Slotted Drain Req'd.

520

+99 STR. NO. 74
Inlet Type H-5 &
3' of 12" Pipe Req'd.
w/24' of 12" Slotted
Drain

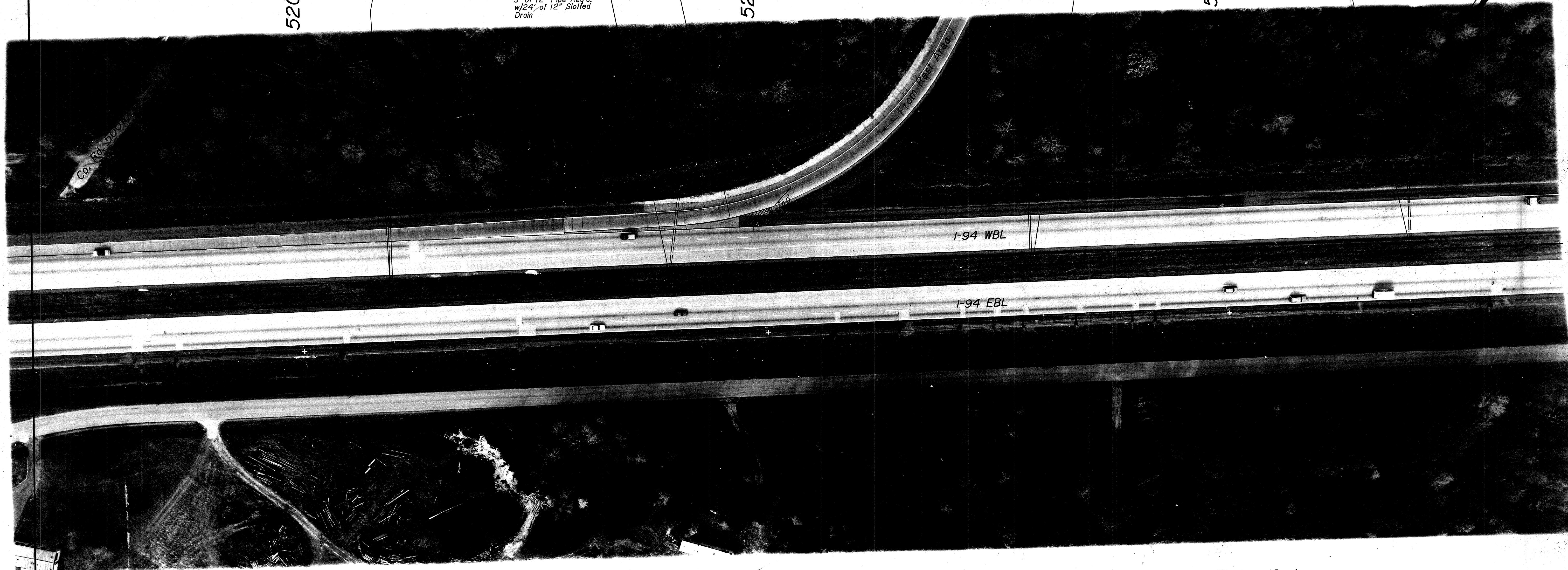
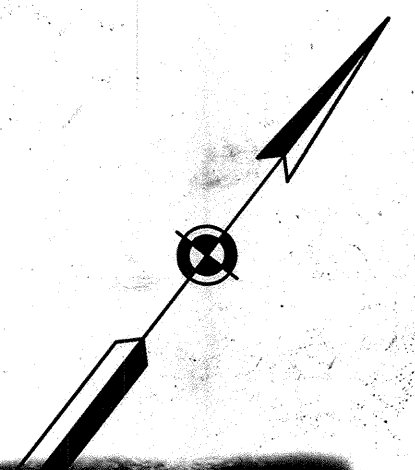
Standard Gore Treatment
(See Sheet No. 4)

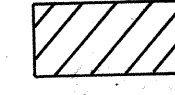
525

+90 STR. NO. 75
Inlet Type H-5 & 96' of 15"
Pipe Req'd. (Jack 54' of Pipe).
24' of 12" Slotted Drain Req'd.

530

+02 STR. NO. 76
Inlet Type H-5 &
3' of 12" Pipe Req'd.
w/48' of 12" Slotted Drain.



 Proposed Resurface on
220#/Syd. Bituminous Binder 8 or 9, MV on
440#/Syd. Bituminous Base 5, MV on
400#/Syd. Bituminous Base 5C, MV on
400#/Syd. Bituminous Base 5D, MV
(See Typical Cross Section Sheet 3 & 4)

527+00

300 Lfl. of F.F.T.F. Req'd. Rt.

530+00



R-20060

Sec. 20, T38N, R3W
Springfield Twp.
La Porte County

1200 L.I. of Concrete Median Barrier Req'd.

FEDERAL ROAD REGION NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	STI-94-21 139	1992	19	126

533+00

545+00

535

+06 STR. NO. 77

Inlet Type H-5 & 3" of 12" Pipe Req'd. w/48' of 12" Slotted Drain

+50 STR. NO. 78

Inlet Type H-5 & 95' of 15" Pipe Req'd. (Jack 54' of Pipe). 48' of 12" Slotted Drain Req'd.

540

+55 STR. NO. 82

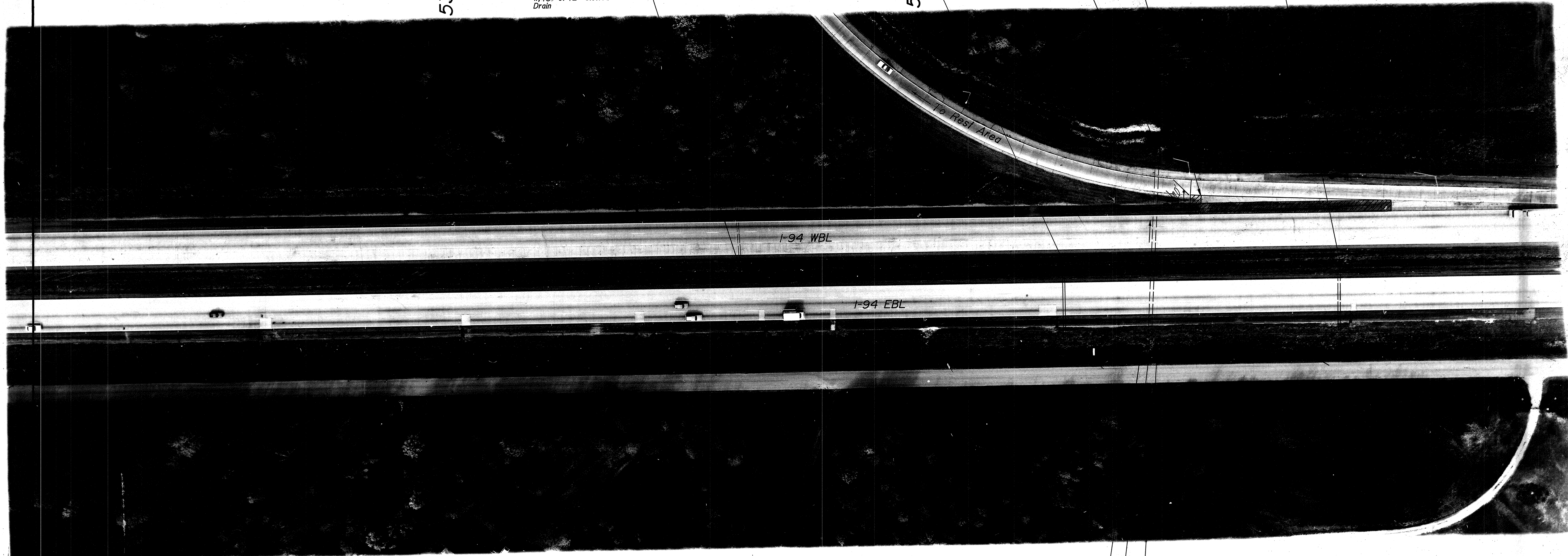
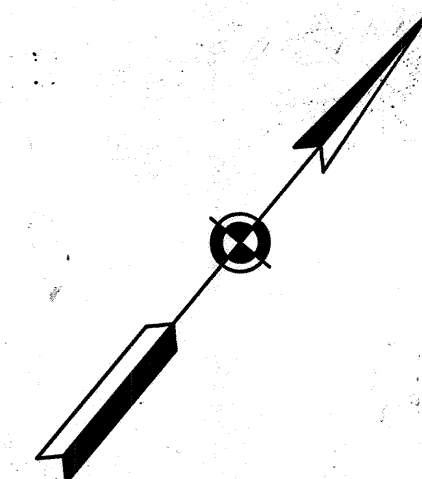
Exist. 49" x 33" Pipe. 49" x 33" Type I Grated Box End Section (31) Req'd. L.I.

Standard Gore Treatment
(See Sheet No. 4)

+49 STR. NO. 83

Inlet Type H-5 & 3" of 12" Pipe Req'd. w/48' of 12" Slotted Drain

545



+35 STR. NO. 79

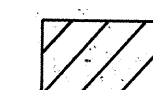
16' of 30" Pipe w/one 30" Type II Grated Box End Section (104) Req'd. Rt.

+45 STR. NO. 80

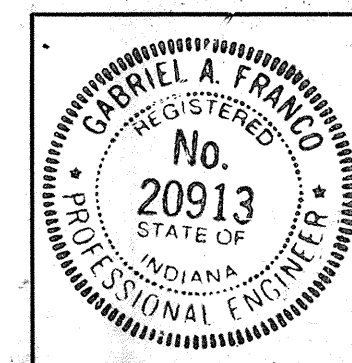
8' of 49" x 33" Pipe Req'd. (Extend Exist. Pipe)

+55 STR. NO. 81

16' of 30" Pipe w/one 30" Type II Grated Box End Section (104) Req'd. Rt.



Proposed Resurface on
220#/Syd. Bituminous Binder 8 or 9, MV on
440#/Syd. Bituminous Base 5, MV on
400#/Syd. Bituminous Base 5C, MV on
400#/Syd. Bituminous Base 5D, MV
(See Typical Cross Section Sheet 3 & 4)



R-20060

FEDERAL ROAD REGION NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	STI-94-21 139	1992	20	126

545+00 962 Lft. of Concrete Median Barrier Req'd.

554+62

555+00 298 Lft. of Concrete Median Barrier Req'd.

557+00 200 Lft. of F.F.T.F. Req'd. L.I.

558+00

Sec. 20, T38N, R3W
Springfield Twp.
La Porte County

Sec. 17, T38N, R3W
Springfield Twp.
La Porte County

545

Standard Gore Treatment
(See Sheet No. 4)

SEC. 17
SEC. 20

+08.5

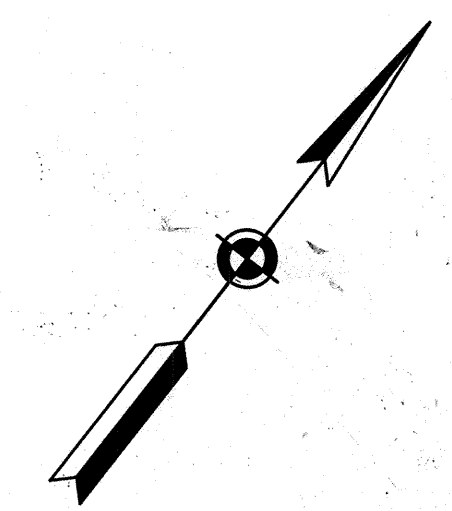
550

+96 STR. NO. 84
Inlet Type H-5 &
3' of 12" Pipe Req'd.
w/24' of 12" Slotted
Drain.

+00 STR. NO. 85
Inlet Type H-5 & 90' of 15"
Pipe Req'd. (Jack 54' of Pipe)
48' of 12" Slotted
Drain Req'd.

555

+00 STR. NO. 86
Inlet Type H-5 &
3' of 12" Pipe Req'd.
w/48' of 12" Slotted
Drain



+90 STR. NO. 7
Bridge File No. I-94-50-4490

Proposed Resurface on
220#/Syd. Bituminous Binder 8 or 9, MV on
440#/Syd. Bituminous Base 5, MV on
400#/Syd. Bituminous Base 5C, MV on
400#/Syd. Bituminous Base 5D, MV
(See Typical Cross Section Sheet 3 & 4)

548+00 200 Lft. of F.F.T.F. Req'd. Rt. 550+00



R-20060

Sec. 17, T38N, R3W
Springfield Twp.
La Porte County

1400 Lft. of Concrete Median Barrier Req'd.

FEDERAL ROAD REGION NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	STI-94-21 139	1992	21	126

558+00

572+00

+50 STR. NO. 87

Inlet Type H-5 & 95' of 15" Pipe Req'd. (Jack 54' of Pipe). 24' of 12" Slotted Drain Req'd.

560

+70 STR. NO. 88

Exisl. 36" Pipe. 36" Type I Grated Box End Section (34) Req'd. Lt. & Rt.

+00 STR. NO. 89

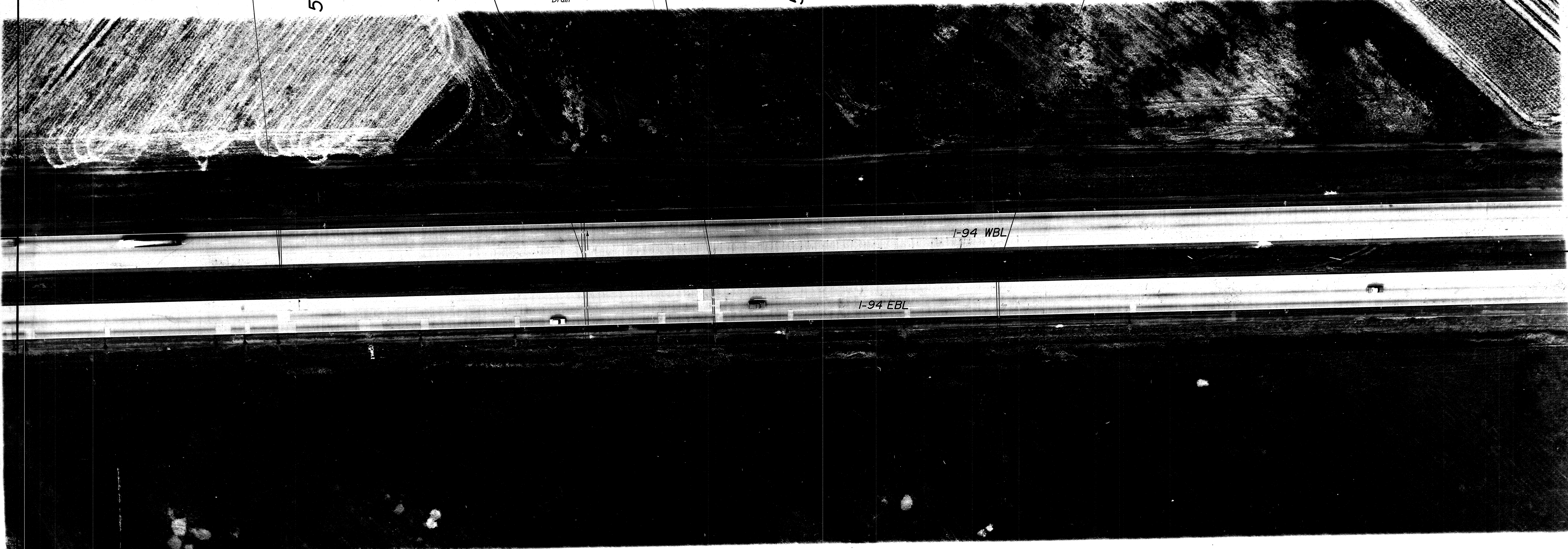
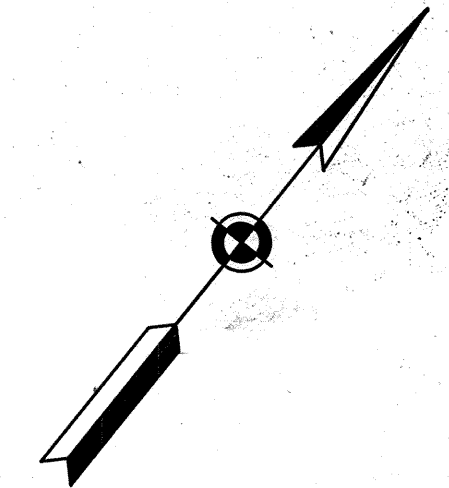
Modified Inlet Type H-5 & 3' of 12" Pipe Req'd. w/24' of 12" Slotted Drain

565

-00 STR. NO. 90

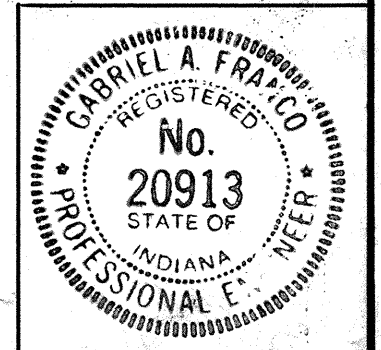
Inlet Type H-5 & 86' of 15" Pipe Req'd. (Jack 54' of Pipe). 24' of 12" Slotted Drain Req'd.

570



563+00 100 Lft. of F.F.T.F. Req'd. Rt. 564+00

569+00 100 Lft. of F.F.T.F. Req'd. Rt. 570+00



R-20060

Sec. 17, T38N, R3W
Springfield Twp.
La Porte County

1300 Lft. of Concrete Median Barrier Req'd.

FEDERAL ROAD REGION NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	STI-94-2(132	1992	22	126

572+00

700 Lft. of F.F.T.F. Req'd. Lt.

579+00

585+00

+00 STR. NO. 91

Exist. 36" Pipe.
36" Type I Grated Box
End Section (41) Req'd. Lt. & Rt.

+11 STR. NO. 92

Modified Inlet Type H-5 &
10' of 12" Pipe Req'd.
w/24' of 12" Slotted
Drain

575

+95 STR. NO. 93

Exist. 36" Pipe.
36" Type I Grated Box
End Section (21) Req'd. Lt. & Rt.

580

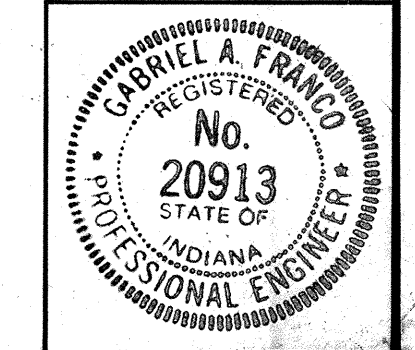
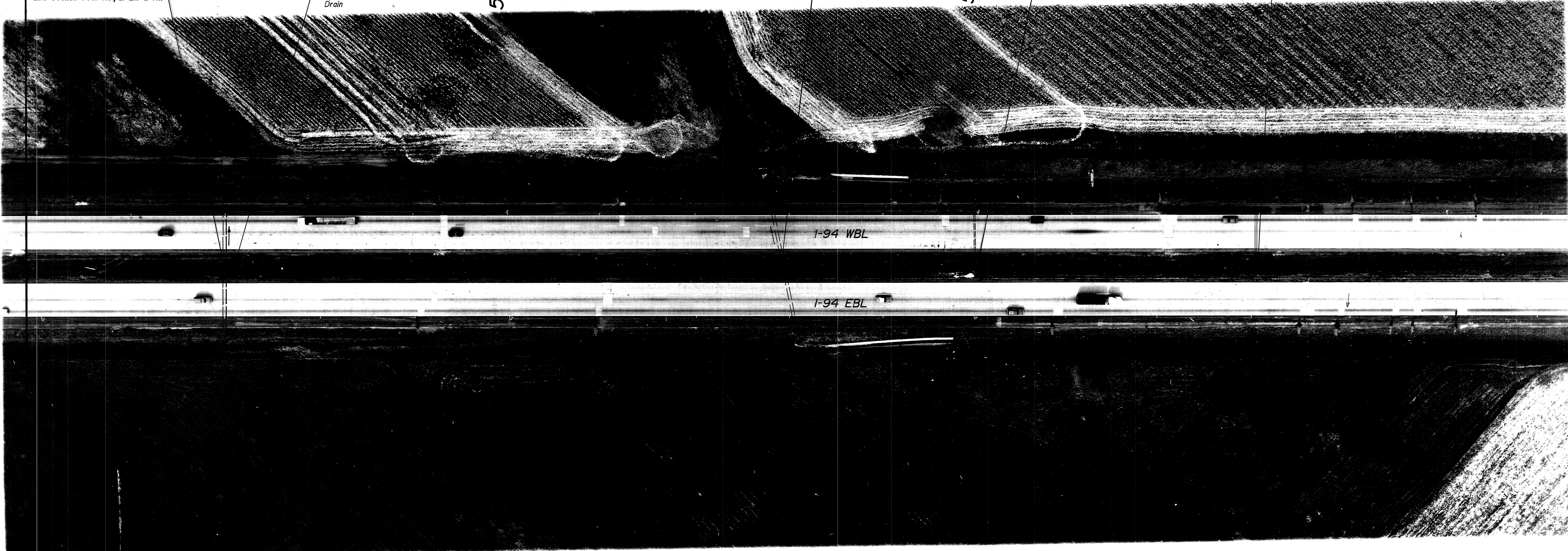
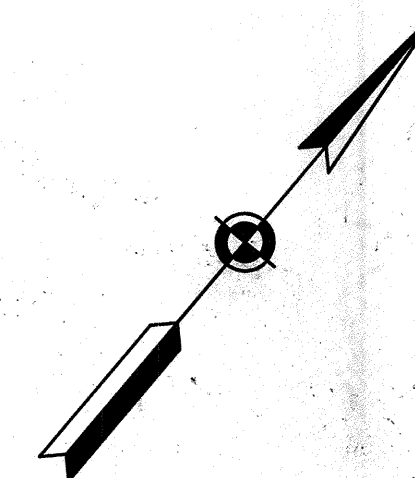
+00 STR. NO. 94

Inlet Type H-5 &
3' of 12" Pipe Req'd.
w/24' of 12" Slotted
Drain.

+00 STR. NO. 95

Inlet Type H-5 & 88' of 15"
Pipe Req'd. (Jack 54' of Pipe).
24' of 12" Slotted
Drain Req'd.

585



R-20080

FEDERAL ROAD REGION NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	STI-94-21 139	1992	23	126

Sec. 17, T38N, R3W
Springfield Twp.
La Porte County

Sec. 16, T38N, R3W
Springfield Twp.
La Porte County

1300 Lft. of Concrete Median Barrier Req'd.

585+00

598+00

SEC. 17
SEC. 16

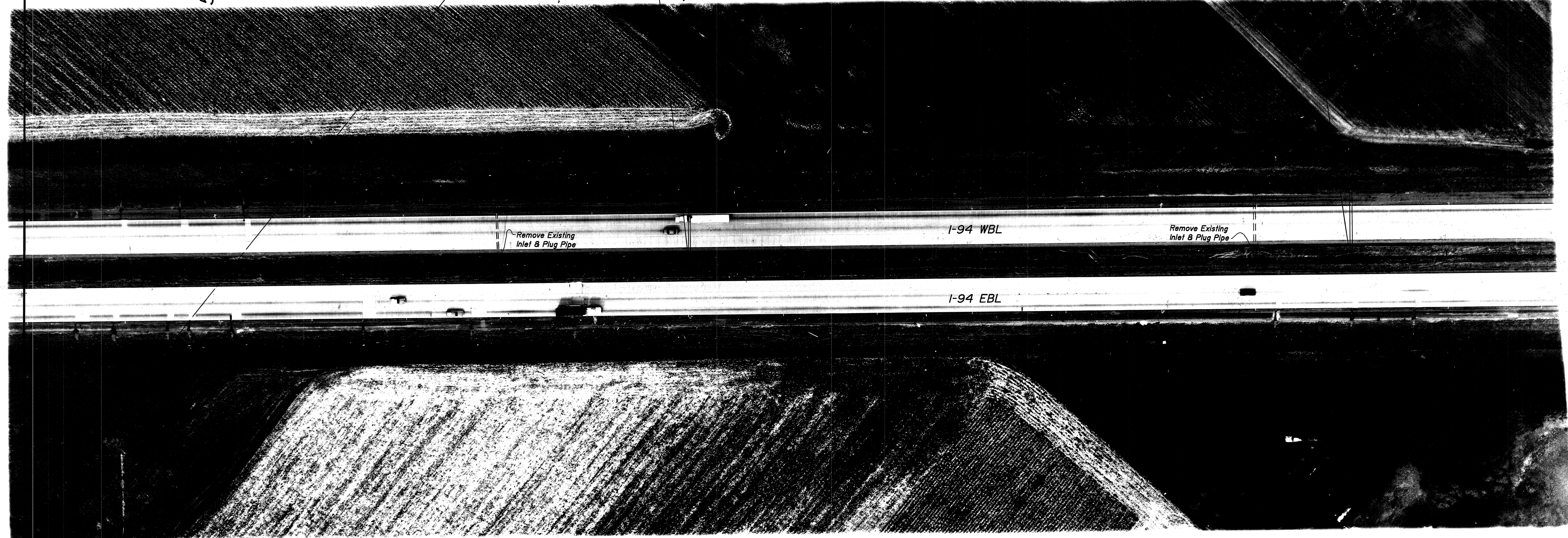
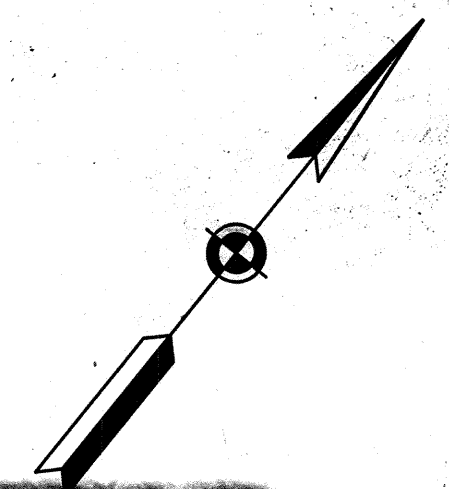
+00 STR. NO. 96
Inlet Type H-5 & 92' of 15"
Pipe Req'd. (Jack 54' of Pipe).
24' of 12" Slotted Drain
Req'd.

+00 STR. NO. 97
Modified Inlet Type H-5 & 92' of 15"
Pipe Req'd. (Jack 54' of Pipe).
24' of 12" Slotted Drain Req'd.

585

590

595



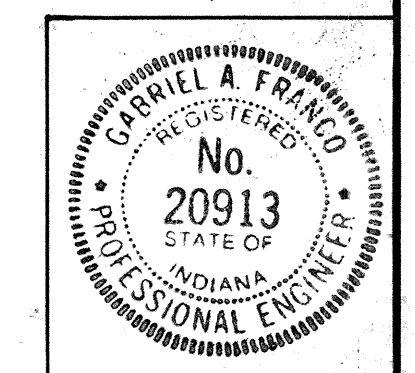
Remove Existing
Inlet & Plug Pipe

I-94 WBL

Remove Existing
Inlet & Plug Pipe

I-94 EBL

592+00
100 Lft. of E.F.T.F.
Req'd. Rt.
593+00



R-20060

Sec. 16, T38N, R3W
Springfield Twp.
La Porte County

1400 Lft. of Concrete Median Barrier Req'd.

FEDERAL ROAD REGION NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	STI-94-21 139	1992	24	126

598+00

600+00

500 Lft. of F.F.T.F. Req'd. Lt.

605+00

610+00

+00 STR. NO. 98

Exist. 48" Pipe.
48" Type I Grated Box
End Section (41) Req'd. Lt. & Rt.

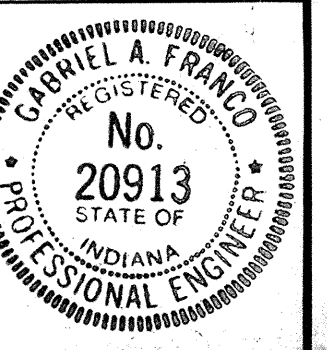
+14 STR. NO. 99

Intel. Type H-5 &
10' of 12" Pipe Req'd.
w/24' of 12" Slotted Drain

600

605

610



R-20080

Sec. 16, T38N, R3W
Springfield Twp.
La Porte County

1300 Lft. of Concrete Median Barrier Req'd.

FEDERAL ROAD REGION NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	STI-94-21 139	1992	25	126

612+00

625+00

.50 STR. NO. 100
Inlet Type H-5 &
396' of 15" Pipe Req'd.
w/ 24' of 12" Slotted Drain.

615

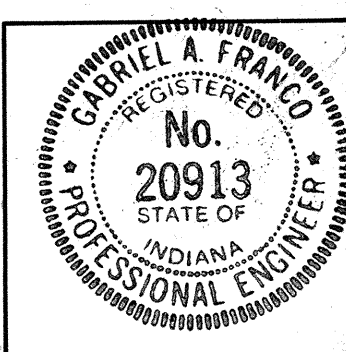
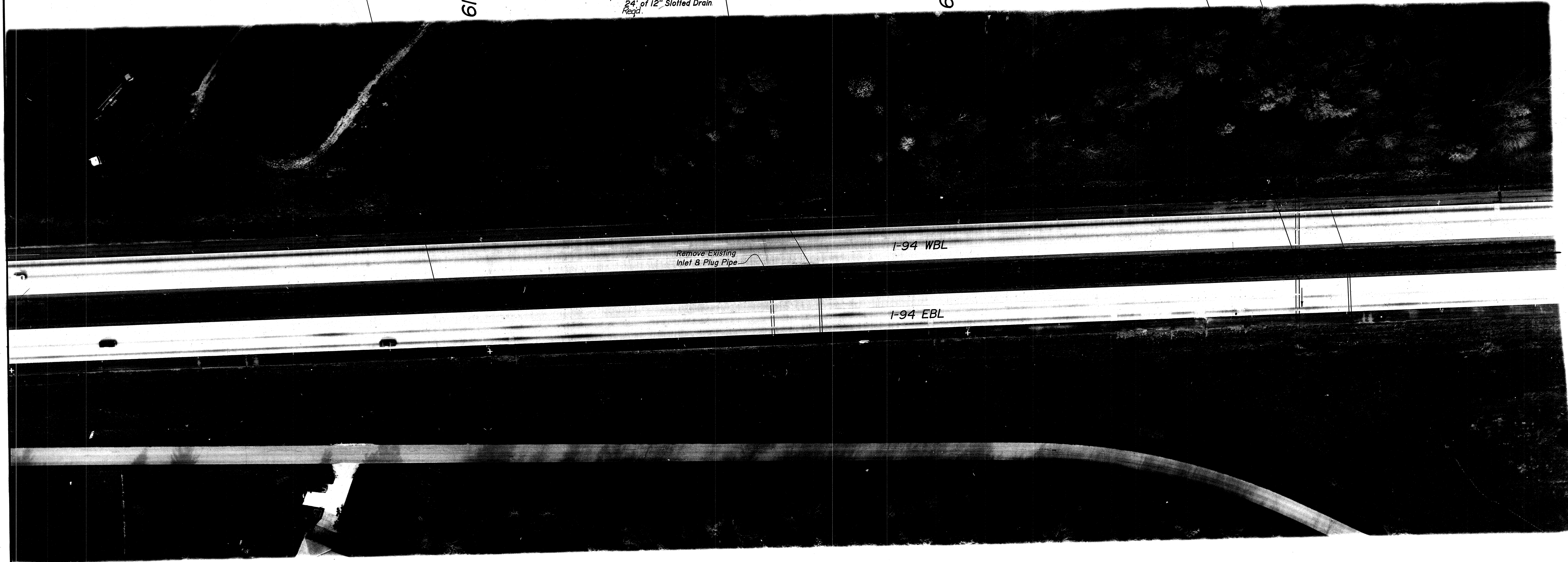
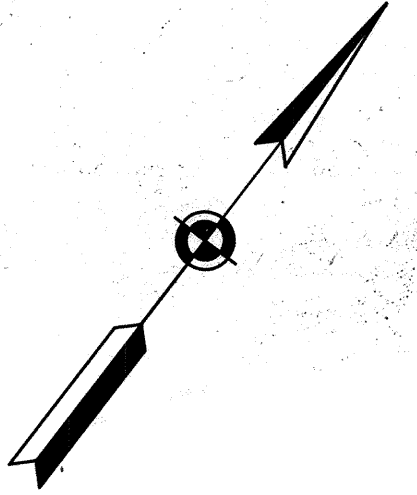
.50 STR. NO. 101
Inlet Type H-5 & 96' of 15"
Pipe Req'd. (Jack 54' of Pipe)
24' of 12" Slotted Drain
Req'd.

620

.50 STR. NO. 102
Exist. 36" Pipe.
36" Type I Grated Box
End Section (6'1) Req'd. Lt. & Rt.

.00 STR. NO. 103
Modified Inlet Type H-5 & 91' of 15" Pipe
Req'd. (Jack 54' of Pipe).
24' of 12" Slotted Drain Req'd.

625



R-20060

FEDERAL ROAD REGION NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	STI-94-21	139	26	126

Sec. 16, T38N, R3W
Springfield Twp.
La Porte County

Sec. 9, T38N, R3W
Springfield Twp.
La Porte County

644 Lft. of Concrete Median Barrier Req'd.

493 Lft. of Concrete Median Barrier Req'd.

625+00

637+00

SEC. 9
SEC. 16

630+29
631+44
632+07
632+16.5
187.5 Lft. of Guardrail, W-Beam,
6'-3" Spa. Req'd. Lt.
I-G-R-E-T, Type OS
Req'd. Lt.

+00 STR. NO. 106

Modified Inlet Type H-5 & 93' of 15" Pipe
Req'd. (Jack 54' of Pipe).
24' of 12" Slotted Drain. Req'd.

+50 STR. NO. 105

Exist. 36" Pipe.
36" Type I Graded Box
End Section (61) Req'd. Lt. & Rt.

+10 STR. NO. 107

Modified Inlet Type H-5 &
3' of 12" Pipe Req'd.
w/48' of 12" Slotted
Drain

+00 STR. NO. 108

Inlet Type H-5 &
3' of 12" Pipe Req'd.
w/48' of 12" Slotted
Drain

+00 STR. NO. 109

See Next Sheet

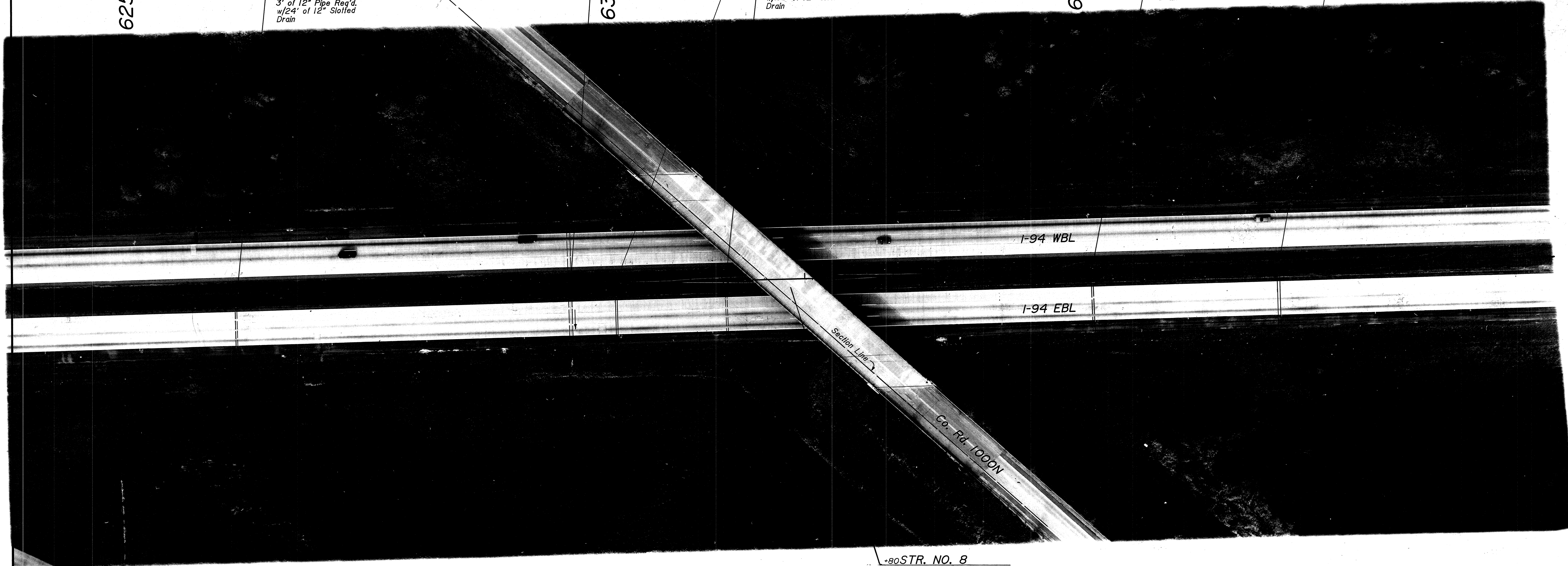
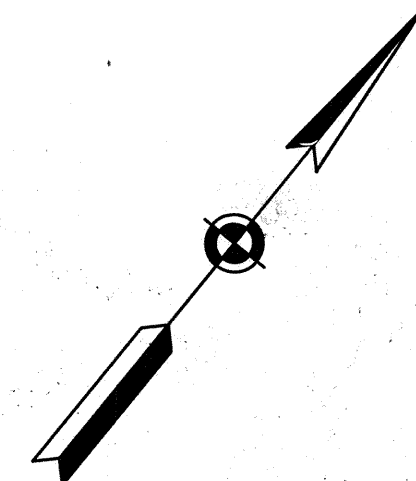
625

+00 STR. NO. 104

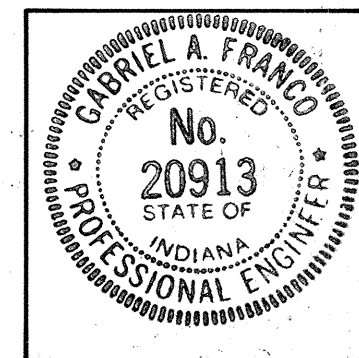
Inlet Type H-5 &
3' of 12" Pipe Req'd.
w/24' of 12" Slotted
Drain

630

635



I-G-R-E-T, Type OS
Req'd. Rt.
631+34
187.5 Lft. of Guardrail, W-Beam,
6'-3" Spa. Req'd. Rt.
633+21.5



P-20060

Sec. 9, T38N, R3W
Springfield Twp.
La Porte County

1200 L.I. of Concrete Median Barrier Req'd.

FEDERAL ROAD REGION NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	STI-94-21 139	1992	27	126

637+00

649+00

+00 STR. NO. 109
 Modified Inlet Type H-5 8'90"
 of 15" Pipe Req'd. (Jack 54" of Pipe).
 48' of 12" Slotted Drain
 Req'd.

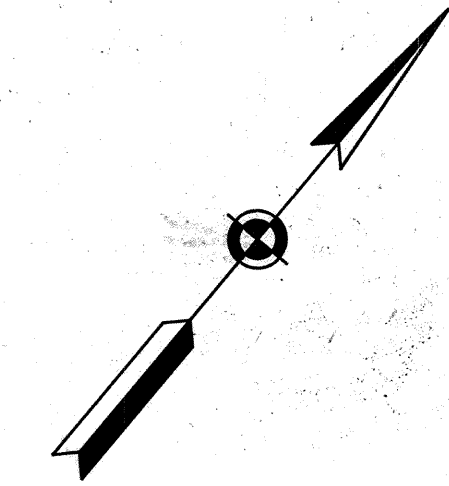
640

+51 STR. NO. 110
 Modified Inlet Type H-5 &
 3' of 12" Pipe Req'd.
 w/48' of 12" Slotted
 Drain

+50 STR. NO. 111
 Modified Inlet Type H-5 8'95"
 of 15" Pipe Req'd. (Jack 54" of Pipe).
 48' of 12" Slotted Drain
 Req'd.

645

+02 STR. NO. 112
 Modified Inlet Type H-5 &
 3' of 12" Pipe Req'd.
 w/48' of 12" Pipe Req'd.

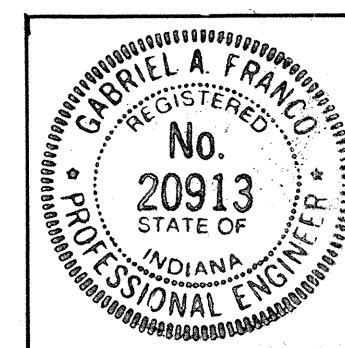


I-94 WBL

I-94 EBL

Co. Rd. 1000N

+02 STR. NO. 113
 See Next Sheet



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Sec. 9, T38N, R3W
Springfield Twp.
La Porte County

1600 Lft. of Concrete Median Barrier Req'd.

Sec. 10, T38N, R3W
Springfield Twp.
La Porte County

FEDERAL ROAD REGION NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	STI-94-21	139	28	126

+02 STR. NO.113

Exist. 36" Pipe
36" Type I Grated Box End
Section (41) Req'd. Lt. and
(64) Req'd. Rt.

650

+52 STR. NO.114

Inlet Type H-5 &
3' of 12" Pipe Req'd.
w/48' of 12" Slotted
Drain

655

SEC. 9
SEC. 10

+00 STR. NO.115

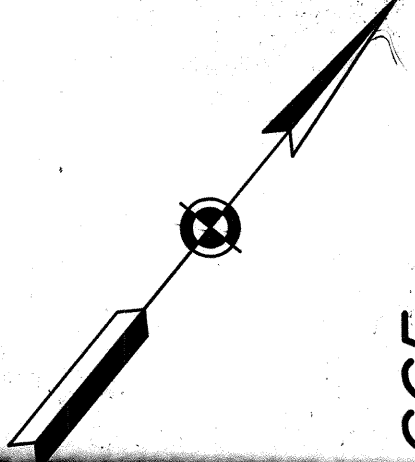
Modified Inlet Type H-5 & 95' of 15"
Pipe Req'd. (Jack 54' of Pipe).
24' of 12" Slotted Drain Req'd.

660

+01 STR. NO.116

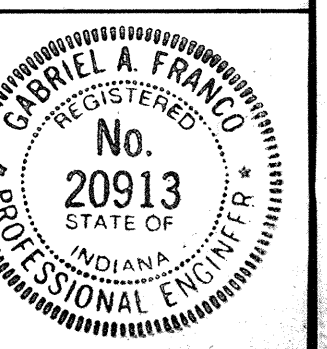
Inlet Type H-5 &
3' of 12" Pipe Req'd.
w/24' of 12" Slotted
Drain

665



I-94 WBL

I-94 EBL

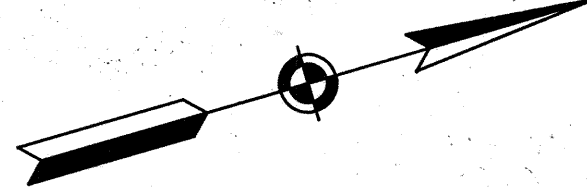


R-20060

Sec. 6, T38N, R3W
Springfield Twp.
La Porte County

Sec. 31, T38N, R3W
Springfield Twp.
La Porte County

FEDERAL ROAD REGION NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	STI-94-21	1992	30	126



2 39
 1 94
 1 300
 1 73
 1 N9
 5

3+00"SWC" STR. NO. 121
Exist. 36" Pipe,
No Change Req'd.

41+00"SW-4-B" STR. NO. 133
Exist. 12" Pipe & Inlet,
No Change Req'd.

12+35"NW-C" STR. NO. 125
Exist. 36" Pipe,
36" Type I Grated Box
End Section (3') Req'd. Lt. & Rt.

2+50"NW-C" STR. NO. 126
Exist. 36" Pipe,
Extend Pipe 6' Lt. & Rt.
Pipe End Section Req'd.

Guardrail, End Treatment,
Type M5 Req'd. Lt., "NWL".

275 Lft. of Guardrail, W/Beam,
6'-3" Spa., Double Faced
Req'd. Lt. "NWL".

Guardrail, End Treatment,
Type M5 Req'd. Lt. "NWL".

3+00" NWC " STR. NO. 124
Exist. 36" Pipe,
36" Type I Grated Box End Section
(5') Lt. & (3') Rt. Req'd.

10+50"SW-C" STR. NO. 122
Exist. 36" Pipe,
No Change Req'd.
End Section (3') Req'd. Lt. & Rt.

45+00"SW-4-B" STR. NO. 134
Exist. 12" Pipe & Inlet,
No Change Req'd.

3+15"SW-L" STR. NO. 123
Exist. 36" Pipe
No Change Req'd.

49+00"SW-4-B" STR. NO. 135
Exist. 12" Pipe & Inlet,
No Change Req'd.

10+18"SEC" STR. NO. 127
Exist. 36" Pipe
Extend Pipe 18' Rt.
Pipe End Section Req'd.

52+10"SW-4-B" STR. NO. 136
Exist. 12" Pipe & Inlet,
No Change Req'd.

57+50"SW-4-B" STR. NO. 137
Exist. 12" Pipe & Inlet,
No Change Req'd.

14+50"NEC" STR. NO. 131
Exist. 36" Pipe
Extend Pipe 14' Lt.
Pipe End Section Req'd.

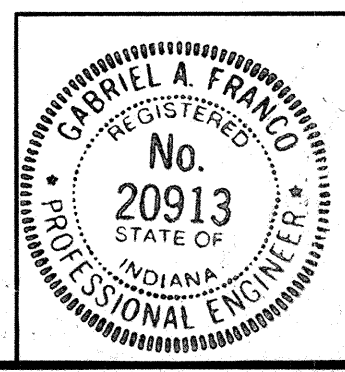
2+50"SEL" STR. NO. 129
Exist. 36" Pipe
Extend Pipe 8' Lt. & 10' Rt.
Pipe End Sections Req'd.

8+15"NEL" STR. NO. 132
Remove 3' of Exist. 36" Pipe Rt.
Extend Pipe 6' Lt. & 9' Rt.
Pipe End Sections Req'd.

15+98"SEC" STR. NO. 128
Exist. 36" Pipe
36" Type I Grated Box
End Sections (3') Req'd. Lt. (5') Rt.

6+00"NEC" STR. NO. 130
Exist. 36" Pipe
No Change Req'd.

I-94
US 20/US 35
INTERCHANGE



R-20060

Rev. 11-26-62 Geometrics and Entrance & Exit Ramps

Rev. 8-16-60

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	IND	94-1(3745)	1969	14	148

Sheet No. 31 of 126

ADT 1968	12,800
ADT 1988	32,400
DHV	3,978

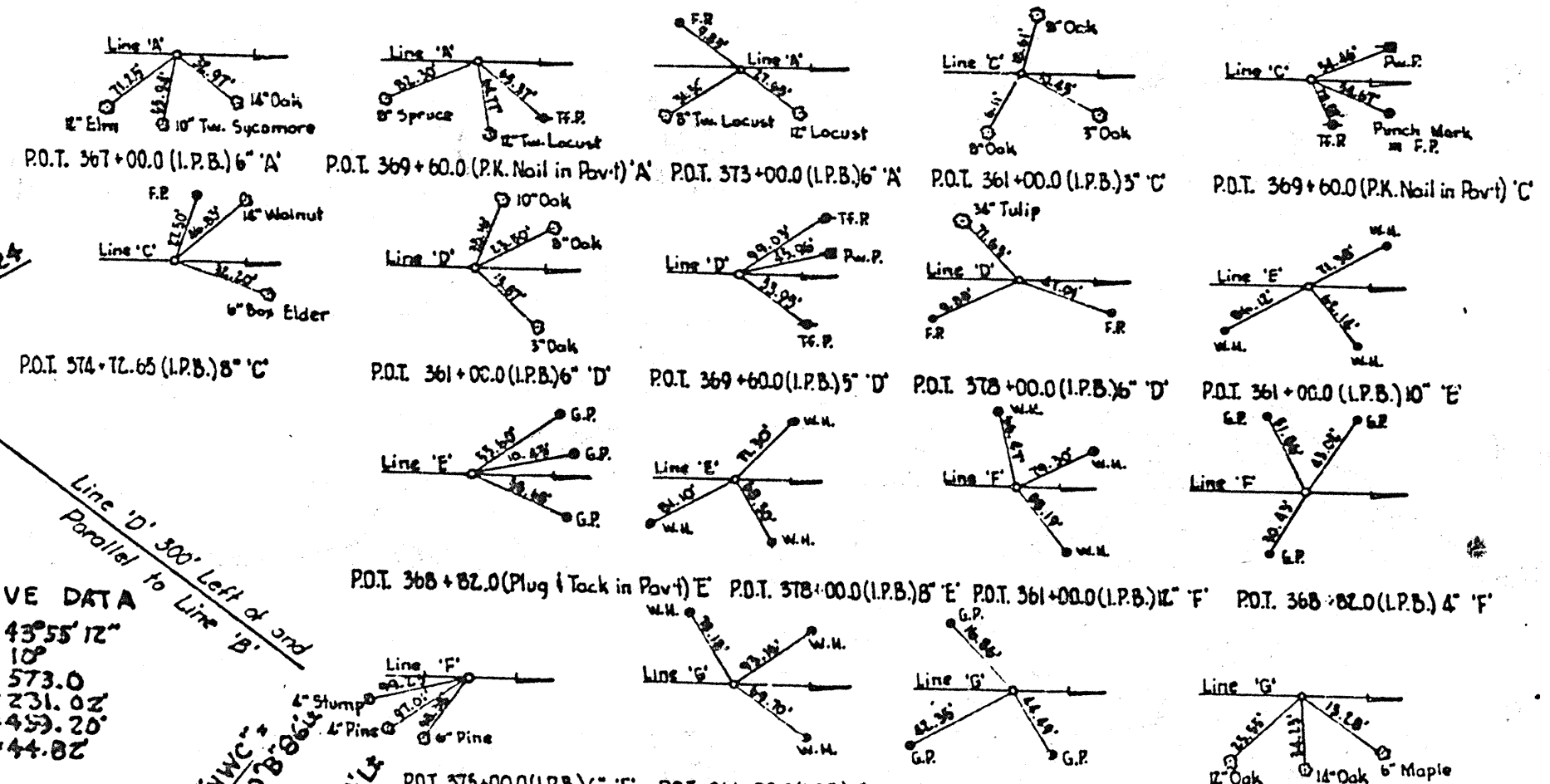
ADT 1968	33,890
ADT 1988	63,092
DHV	5,562

ADT 1968	44,950
ADT 1988	67,232
DHV	4,164

ADT 1968	12,000
ADT 1988	30,000
DHV	3,600

Design Speed on Inner Loops = 30 M.P.H.
 Design Speed on Outer Connections = 50 M.P.H.
 Except Line 'S-W-C' Exit From U.S. 20 & Line 'S-E-C' Entrance to U.S. 20 Design Speed 40 M.P.H.

REFERENCES

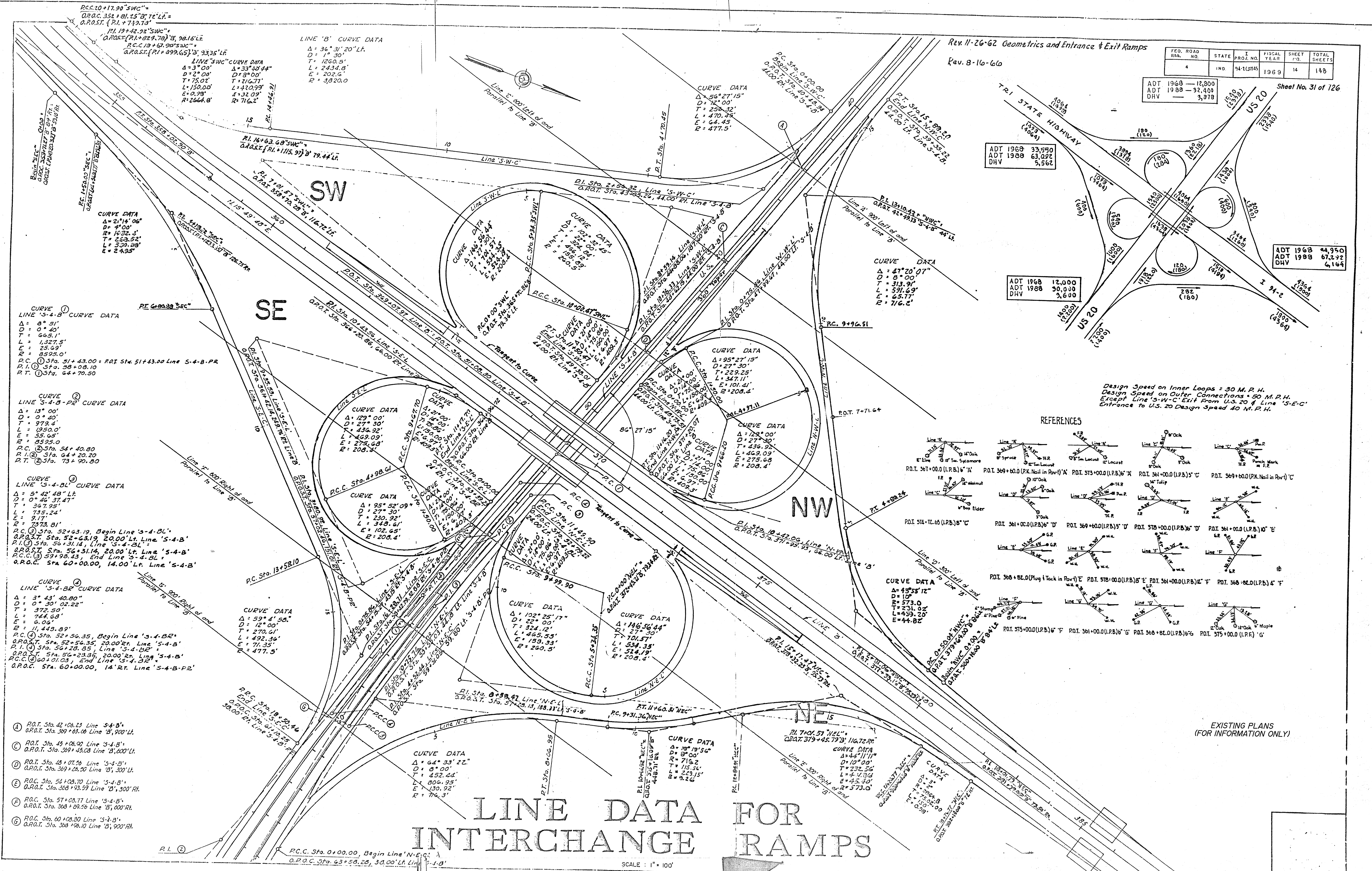


EXISTING PLANS (FOR INFORMATION ONLY)

LINE DATA FOR INTERCHANGE RAMP

SCALE: 1" = 100'

R-20060



CURVE 1
 LINE 'S-4-B' CURVE DATA
 $\Delta = 8^\circ 31'$
 $D = 0^\circ 40'$
 $L = 1,327.5'$
 $E = 25.69'$
 $R = 8595.0'$
 P.C. 1 Sta. 51+43.00 = P.O.T. Sta. 51+43.00 Line 'S-4-B-P.R.
 P.I. 1 Sta. 58+08.10
 P.T. 1 Sta. 64+70.50

CURVE 2
 LINE 'S-4-B-P.R.' CURVE DATA
 $\Delta = 13^\circ 00'$
 $D = 0^\circ 40'$
 $L = 973.4'$
 $E = 55.65'$
 $R = 8595.0'$
 P.C. 2 Sta. 54+40.80
 P.I. 2 Sta. 64+20.20
 P.T. 2 Sta. 73+90.80

CURVE 3
 LINE 'S-4-BL' CURVE DATA
 $\Delta = 5^\circ 42' 48''$ Lt.
 $D = 0^\circ 46' 37.47''$
 $L = 367.95'$
 $E = 9.17'$
 $R = 7073.81'$
 P.C. 3 Sta. 52+43.19, Begin Line 'S-4-BL'
 P.O.P.T. Sta. 52+63.19, 20.00' Lt. Line 'S-4-B'
 P.I. 3 Sta. 56+31.14, Line 'S-4-BL'
 P.O.P.T. Sta. 56+31.14, 20.00' Lt. Line 'S-4-B'
 P.C.C. 3 Sta. 59+98.13, End Line 'S-4-BL'
 P.O.P.C. Sta. 60+00.00, 14.00' Lt. Line 'S-4-B'

CURVE 4
 LINE 'S-4-BR' CURVE DATA
 $\Delta = 3^\circ 43' 40.80''$
 $D = 0^\circ 30' 02.22''$
 $L = 372.50'$
 $E = 74.68'$
 $R = 11,449.89'$
 P.C. 4 Sta. 52+56.35, Begin Line 'S-4-BR'
 P.O.P.T. Sta. 52+56.35, 20.00' Rt. Line 'S-4-B'
 P.I. 4 Sta. 56+28.85, Line 'S-4-BR'
 P.O.P.T. Sta. 56+28.85, 20.00' Rt. Line 'S-4-B'
 P.C.C. 4 Sta. 59+98.13, End Line 'S-4-BR'
 P.O.P.C. Sta. 60+00.00, 14.00' Rt. Line 'S-4-B-P.R'

- Ⓐ P.O.T. Sta. 42+06.23 Line 'S-4-B'
- Ⓑ P.O.T. Sta. 39+63.46 Line 'B', 900' Lt.
- Ⓒ P.O.T. Sta. 45+06.90 Line 'S-4-B'
- Ⓓ P.O.T. Sta. 39+45.03 Line 'B', 600' Lt.
- Ⓔ P.O.T. Sta. 48+07.50 Line 'S-4-B'
- Ⓕ P.O.T. Sta. 39+26.50 Line 'B', 300' Lt.
- Ⓖ P.O.C. Sta. 54+08.70 Line 'S-4-B'
- Ⓗ P.O.T. Sta. 368+93.59 Line 'B', 300' Rt.
- Ⓙ P.O.C. Sta. 57+03.77 Line 'S-4-B'
- Ⓚ P.O.T. Sta. 368+89.56 Line 'B', 600' Rt.
- Ⓛ P.O.C. Sta. 60+08.80 Line 'S-4-B'
- Ⓜ P.O.T. Sta. 368+98.10 Line 'B', 900' Rt.

LINE 'B' CURVE DATA
 $\Delta = 36^\circ 31' 20''$ Lt.
 $D = 1^\circ 30'$
 $L = 1,260.5'$
 $E = 243.48'$
 $R = 202.6'$
 $R = 3,820.0'$

LINE 'S-W-C' CURVE DATA
 $\Delta = 33^\circ 40' 44''$
 $D = 2^\circ 00'$
 $L = 1,750.0'$
 $E = 140.99'$
 $R = 2,664.8'$
 $R = 716.2'$

CURVE DATA
 $\Delta = 56^\circ 27' 15''$
 $D = 3^\circ 00'$
 $L = 258.32'$
 $E = 470.25'$
 $R = 64.45'$
 $R = 477.5'$

CURVE DATA
 $\Delta = 102^\circ 30' 15''$
 $D = 1^\circ 00'$
 $L = 466.53'$
 $E = 159.33'$
 $R = 260.5'$

CURVE DATA
 $\Delta = 102^\circ 25' 17''$
 $D = 2^\circ 27' 30''$
 $L = 324.12'$
 $E = 159.33'$
 $R = 260.5'$

CURVE DATA
 $\Delta = 122^\circ 55' 17''$
 $D = 2^\circ 27' 30''$
 $L = 324.12'$
 $E = 159.33'$
 $R = 260.5'$

CURVE DATA
 $\Delta = 85^\circ 27' 15''$
 $D = 2^\circ 27' 30''$
 $L = 347.11'$
 $E = 101.41'$
 $R = 208.4'$

CURVE DATA
 $\Delta = 47^\circ 20' 07''$
 $D = 8^\circ 00'$
 $L = 313.97'$
 $E = 571.65'$
 $R = 716.2'$

CURVE DATA
 $\Delta = 122^\circ 00'$
 $D = 2^\circ 27' 30''$
 $L = 466.53'$
 $E = 159.33'$
 $R = 260.5'$

CURVE DATA
 $\Delta = 122^\circ 00'$
 $D = 2^\circ 27' 30''$
 $L = 466.53'$
 $E = 159.33'$
 $R = 260.5'$

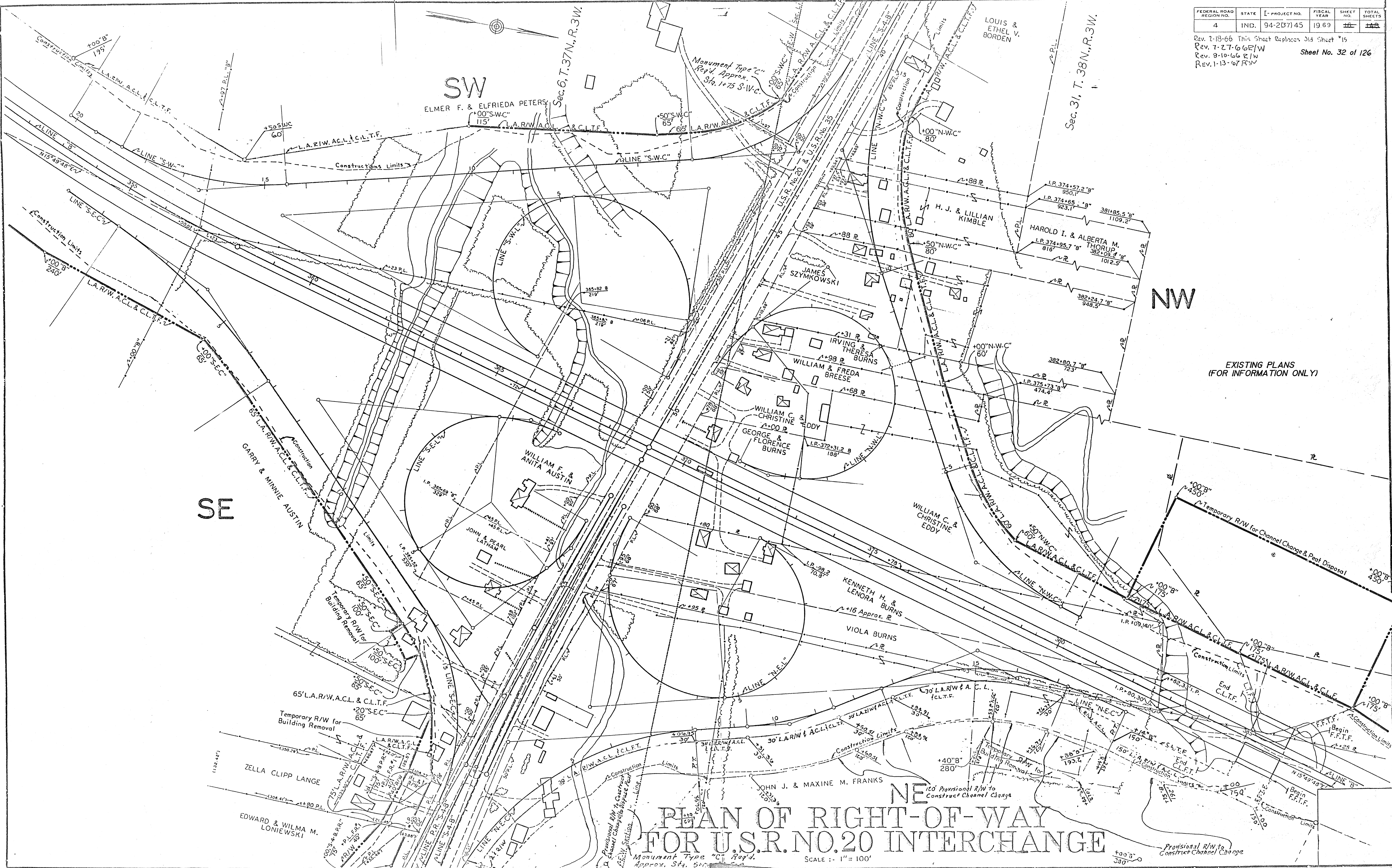
CURVE DATA
 $\Delta = 122^\circ 00'$
 $D = 2^\circ 27' 30''$
 $L = 466.53'$
 $E = 159.33'$
 $R = 260.5'$

CURVE DATA
 $\Delta = 122^\circ 00'$
 $D = 2^\circ 27' 30''$
 $L = 466.53'$
 $E = 159.33'$
 $R = 260.5'$

FEDERAL ROAD DISTRICT NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	IND.	94-2(7)45	1969	11	126

Rev. 7-18-66 This Sheet Replaces Old Sheet #15
 Rev. 7-27-66 E/W
 Rev. 8-10-66 E/W
 Rev. 1-13-67 R/W

Sheet No. 32 of 126



PLAN OF RIGHT-OF-WAY
 FOR U.S.R. NO. 20 INTERCHANGE

SCALE: 1" = 100'

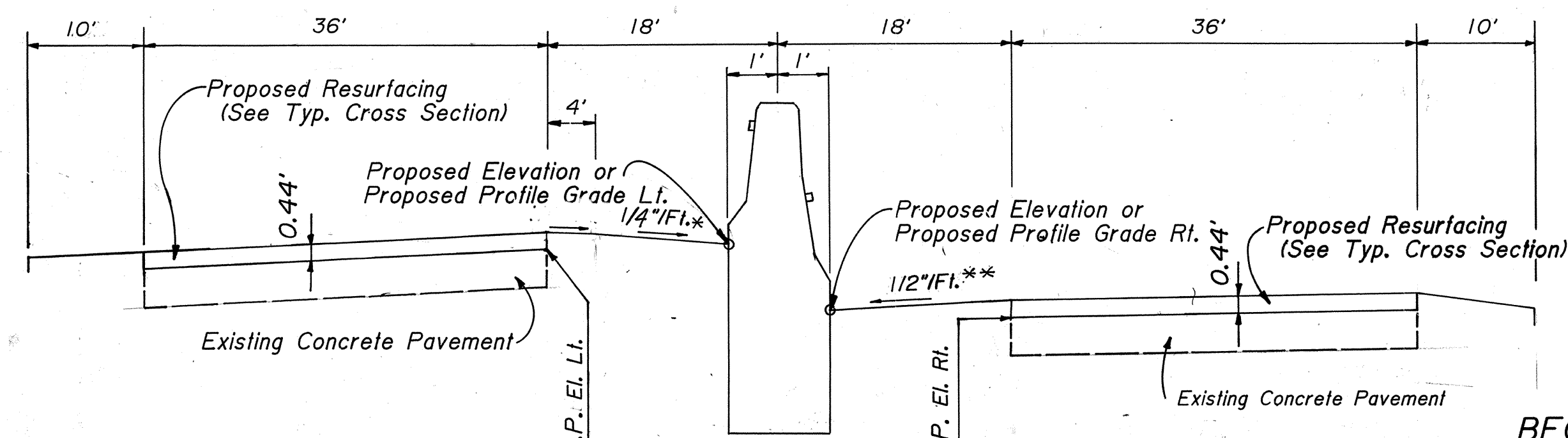
November 6,

R-20060

PROJECT NO.	LINE	SHEET NO.	TOTAL SHEETS	FILE
94-2(7)45	"B"	11	126	

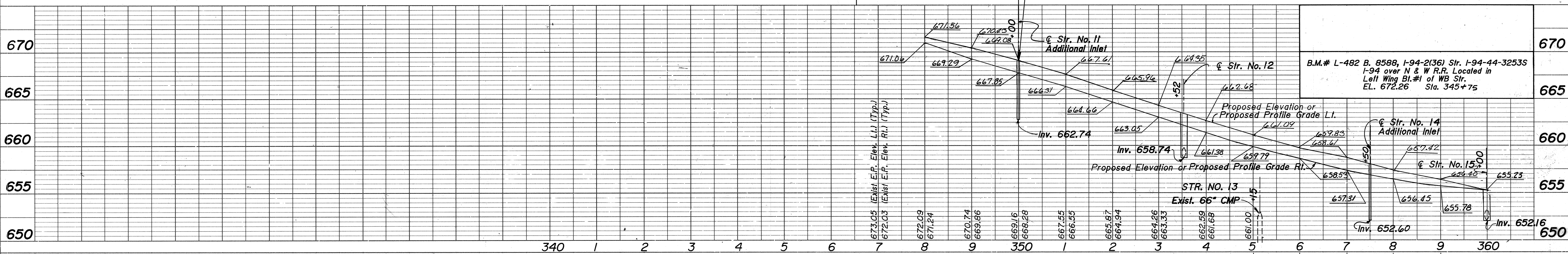
FEDERAL ROAD REGION NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	STI-94-2(139)	1992	33	126

* Varies from 3/8" / Ft. at Sta. 348+00 to 1/4" / Ft. at Sta. 350+00
 ** Varies from 1/8" / Ft. at Sta. 348+00 to 1/2" / Ft. at Sta. 349+00
 * 1/2" / Ft. from Sta. 408+00 to Sta. 427+50

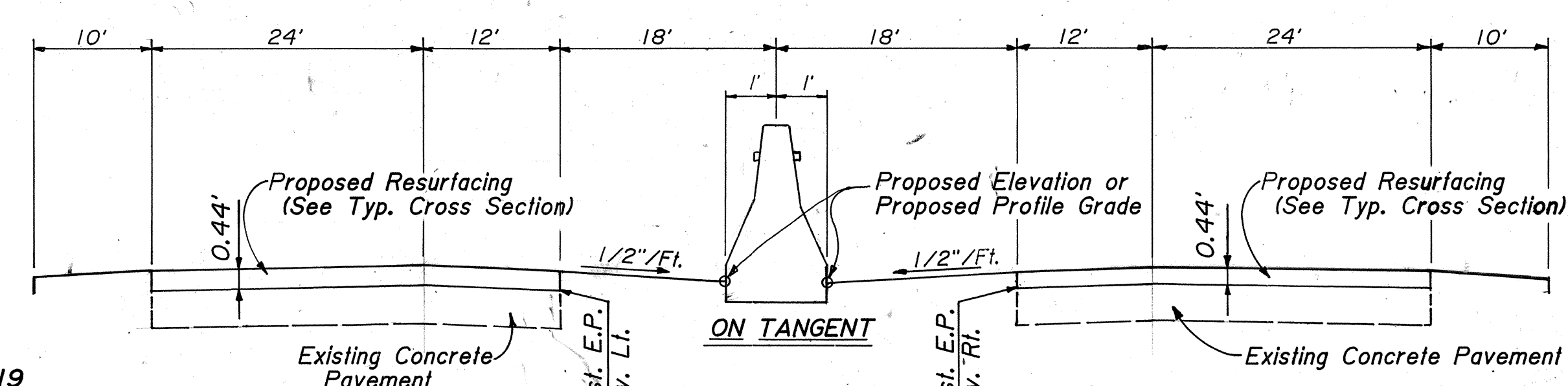


BEGIN STI-PROJECT NO. 94-2(139) STA. 350+00 LINE "B"

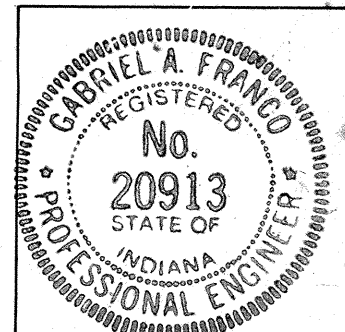
NOTE: "Additional Inlet" indicates that there is not an existing structure at this location.



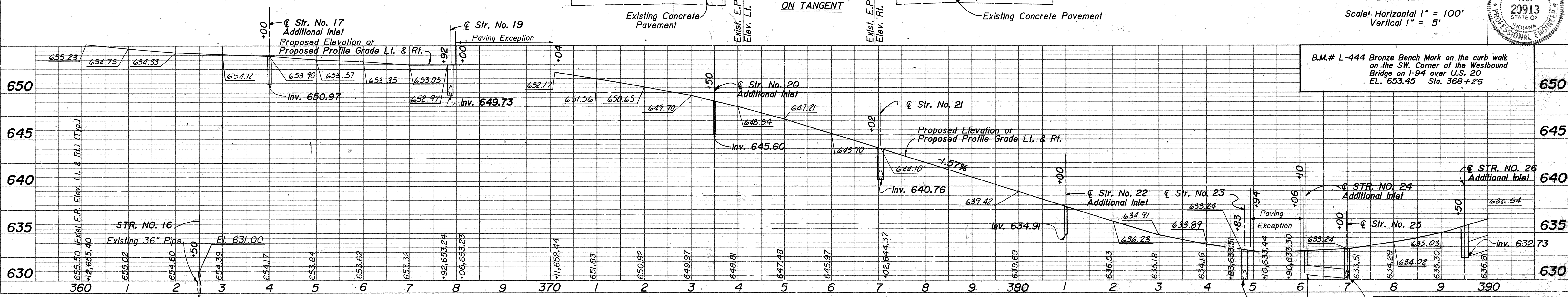
B.M.# L-482 B. 8588, I-94-2(36) Str. I-94-44-32535 I-94 over N & W R.R. Located in Left Wing Bl.#1 of WB Str. EL. 672.26 Sta. 345+75



PROPOSED MEDIAN GRADE ALONG CONCRETE MEDIAN BARRIER
 Scale: Horizontal 1" = 100'
 Vertical 1" = 5'



B.M.# L-444 Bronze Bench Mark on the curb walk on the SW. Corner of the Westbound Bridge on I-94 over U.S. 20 EL. 653.45 Sta. 368+25



DATE	BY	REVISION

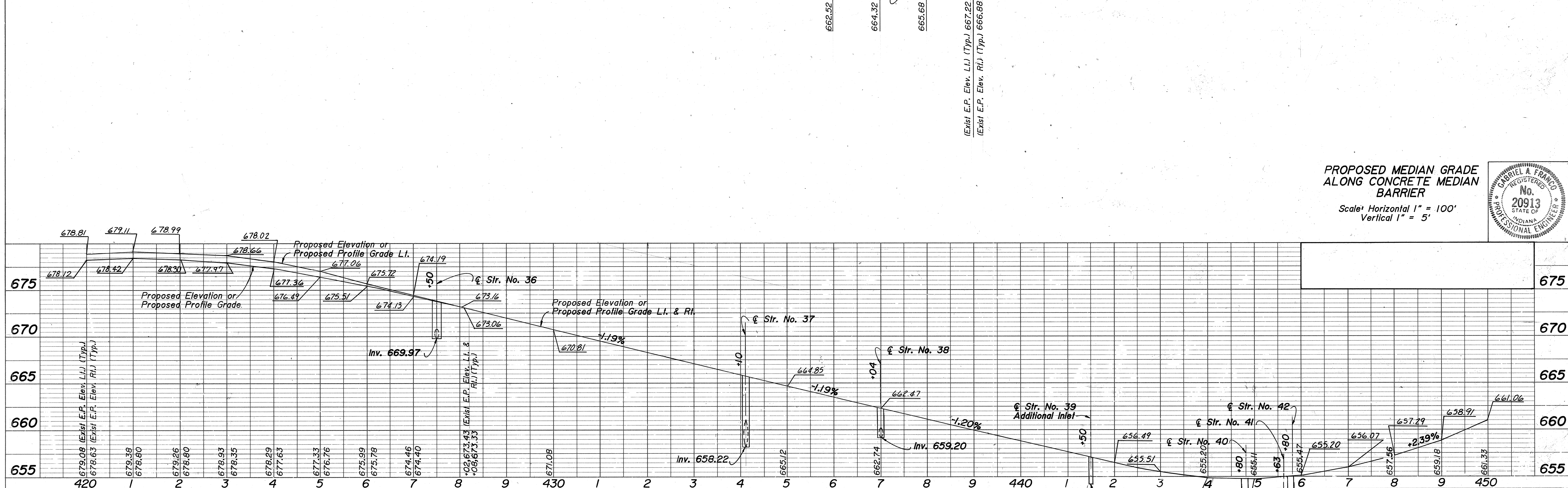
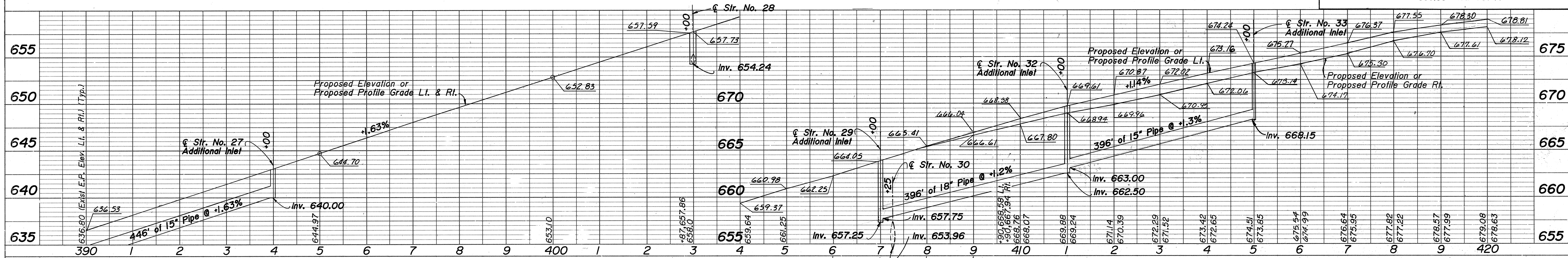
DATE	BY	REVISION

FEDERAL ROAD REGION NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	ST-94-21 139	1992	34	126

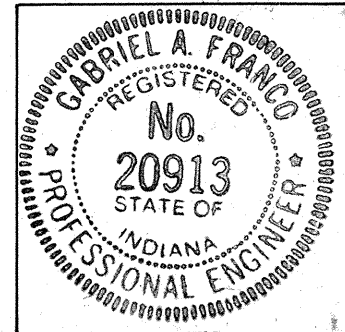
BY: _____ DATE: _____
 SURVEYED: _____
 PLAN NOTE BOOK: _____
 PLOTTED: _____
 CHECKED: _____
 NO. OF WAY CHECKED: _____
 STRUCTURE NOTATIONS CHECKED: _____

BY: _____ DATE: _____
 SURVEYED: _____
 PROFILE NOTE BOOK: _____
 PLOTTED: _____
 CHECKED: _____
 NO. OF WAY CHECKED: _____
 STRUCTURE NOTATIONS CHECKED: _____

B.M.# L-445 Bronze Bench Mark on the curb walk on the SW Corner of the Westbound Bridge on I-94 over Willow Creek EL. 633.63 Sta. 385+10



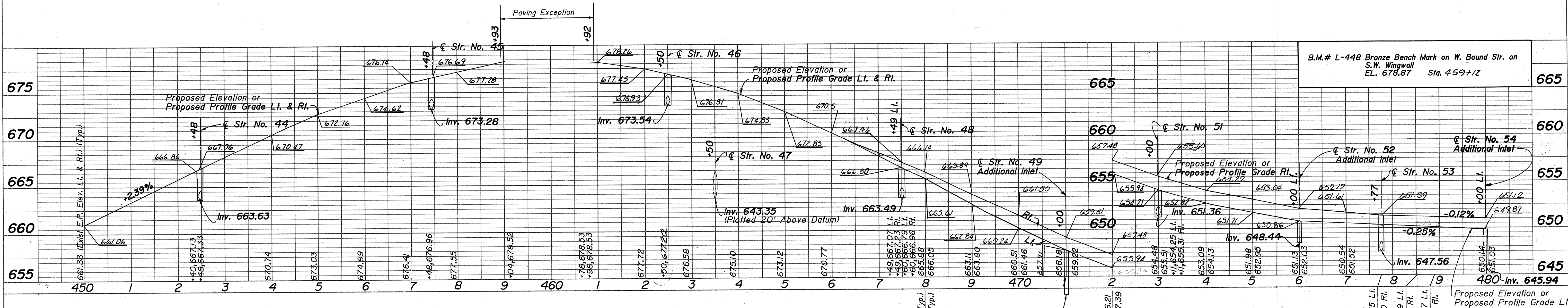
PROPOSED MEDIAN GRADE ALONG CONCRETE MEDIAN BARRIER
 Scale: Horizontal 1" = 100'
 Vertical 1" = 5'



FEDERAL ROAD REGION NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	ST-94-21 139	1992	35	126

PLAN	SURVEYED	BY	DATE
NO.	NOTED		
	GRADES CHECKED		
	PI. OF WAY CHECKED		

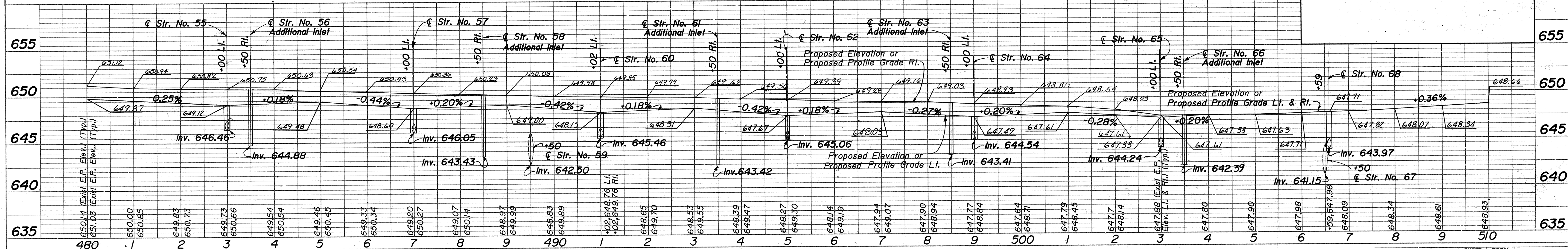
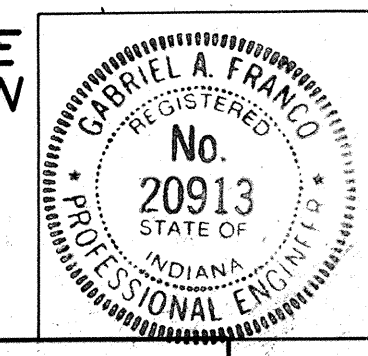
PROFILE	SURVEYED	BY	DATE
NO.	NOTED		
	GRADES CHECKED		
	STRUCTURE NOTATIONS CHECKED		



B.M.# L-448 Bronze Bench Mark on W. Bound Str. on S.W. Wingwall EL. 678.87 Sta. 459+12

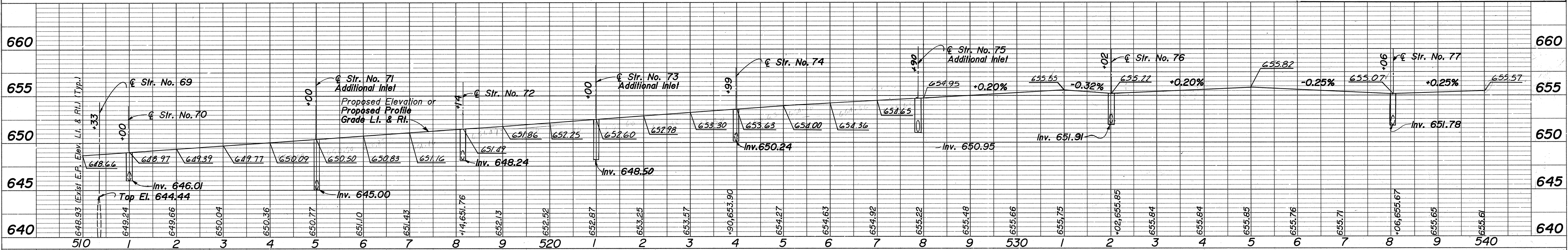
NOTE: Median Cross Slope on the Left Varies From 1/4" Ft. to 3/4" Ft. From Sta. 476+00 to Sta. 504+00

PROPOSED MEDIAN GRADE ALONG CONCRETE MEDIAN BARRIER
Scale: Horizontal 1" = 100'
Vertical 1" = 5'



FEDERAL ROAD REGION NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	STI-94-21 139	1992	36	126

PLAN	SURVEYED	DATE
NO. OF WAY CHECKED	PLOTTED	
FORMANTRY CHECKED	GRADES CHECKED	
RT. OF WAY CHECKED	STRUCTURE NOTATIONS CHECKED	



NOTE:
Median Cross Slope Varies From
1/4" / Ft. to 3/4" / Ft. From Sta. 528+00 to
Sta. 557+00 Lt. & Rt.

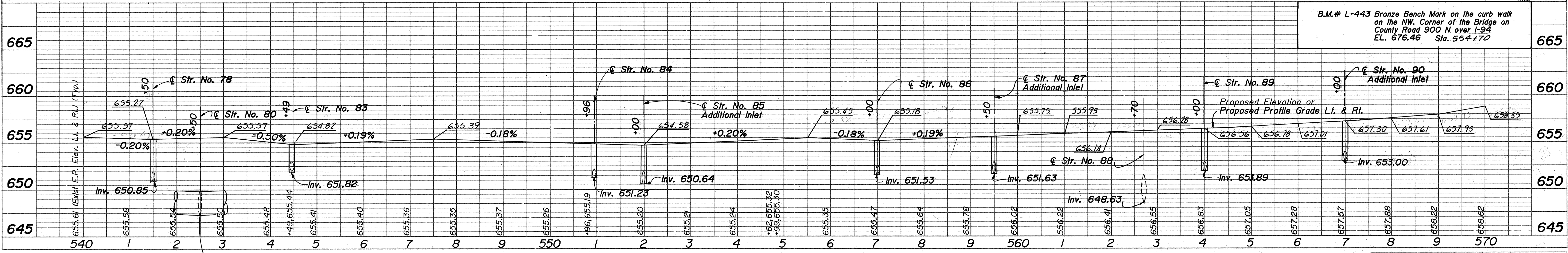
**PROPOSED MEDIAN GRADE
ALONG CONCRETE MEDIAN
BARRIER**

Scale: Horizontal 1" = 100'
Vertical 1" = 5'



B.M.# L-443 Bronze Bench Mark on the curb walk
on the NW. Corner of the Bridge on
County Road 900 N over I-94
EL. 676.46 Sta. 557+70

PROFILE	SURVEYED	DATE
NO. OF WAY CHECKED	PLOTTED	
FORMANTRY CHECKED	GRADES CHECKED	
STRUCTURE NOTATIONS CHECKED	STRUCTURE NOTATIONS CHECKED	



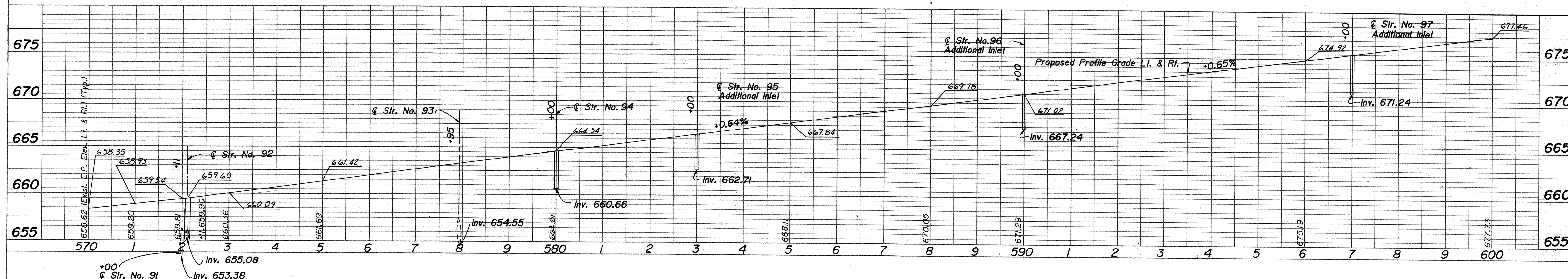
PROJECT NO.	LINE	SHEET NO.	TOTAL SHEETS	FILE
STI-94-21 139	B	36	126	

R-20000

FEDERAL ROAD DISTRICT NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	STI-94-21 139	1992	37	126

PLAN	DATE
DESIGNED BY	
NOTED BY	
CHECKED BY	
DATE	

PROFILE	DATE
DESIGNED BY	
NOTED BY	
CHECKED BY	
DATE	



PROPOSED MEDIAN GRADE
ALONG CONCRETE MEDIAN
BARRIER

Scale: Horizontal 1" = 100'
Vertical 1" = 5'

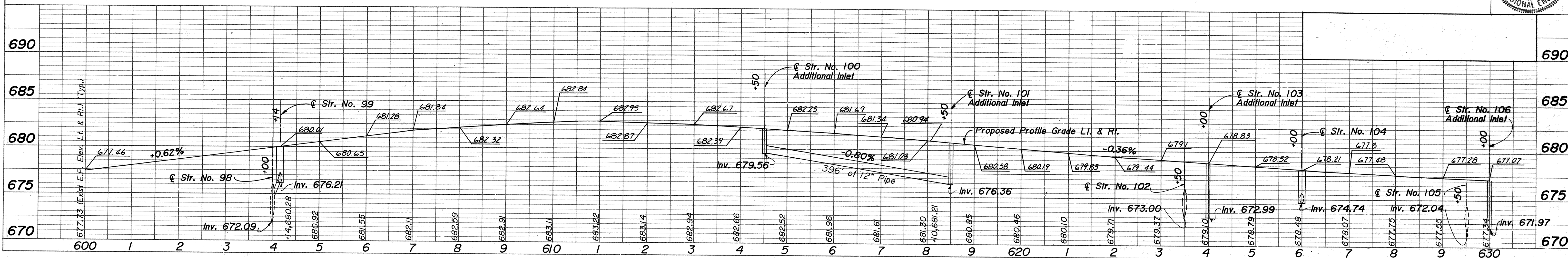
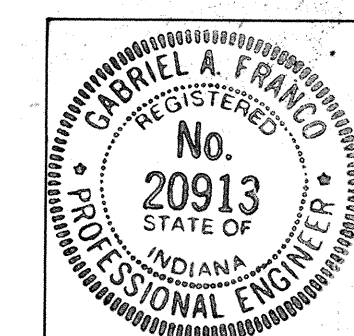


PLATE 2 - PLAN-PROFILE OF P. R. & R. E. STANDARD
DECEMBER 1974

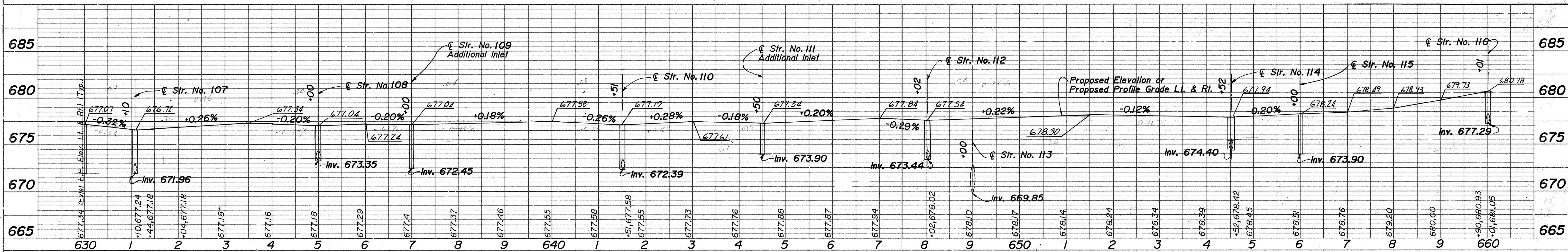
PROJECT NO.	LINE	SHEET NO.	TOTAL SHEETS
STI-94-21 139	B	37	126

FEDERAL ROAD REGION NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	STI-94-21 139	1992	38	126

NOTE: Median Cross Slope Varies From 1/4"/ft. to 3/4"/ft. From Sta. 630+00 to Sta. 656+00 Lt. & Rt.

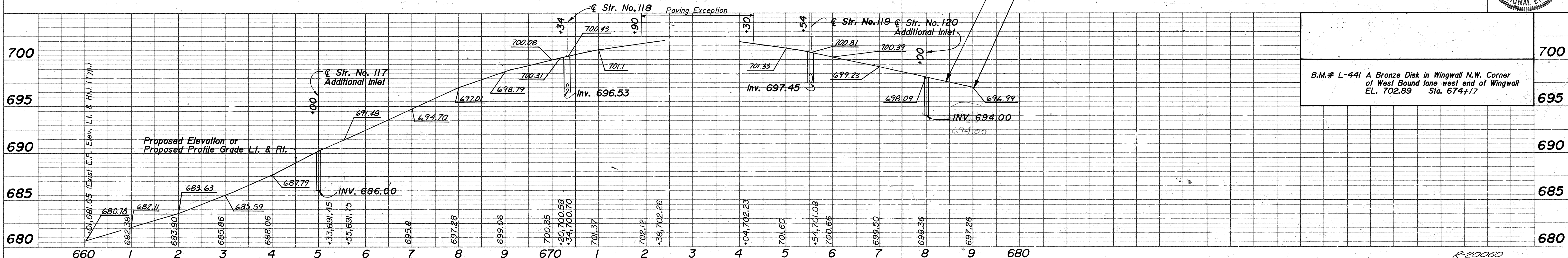
DATE	BY

PLAN
SURVEYED, PLOTTED, CHECKED, AND NOTED BY: [Blank]
NOTE BOOK NO.: [Blank]
ALIGNMENT CHECKED BY: [Blank]
RT. OF WAY CHECKED BY: [Blank]



DATE	BY

PROFILE
SURVEYED, PLOTTED, CHECKED, AND NOTED BY: [Blank]
NOTE BOOK NO.: [Blank]
STRUCTURE NOTATIONS CHECKED BY: [Blank]



END STI PROJECT NO. 94-21 139
STA. 679+03.48 LINE "B"

END CONCRETE MEDIAN BARRIER
STA. 678+45 LINE "B"

PROPOSED MEDIAN GRADE
ALONG CONCRETE MEDIAN
BARRIER

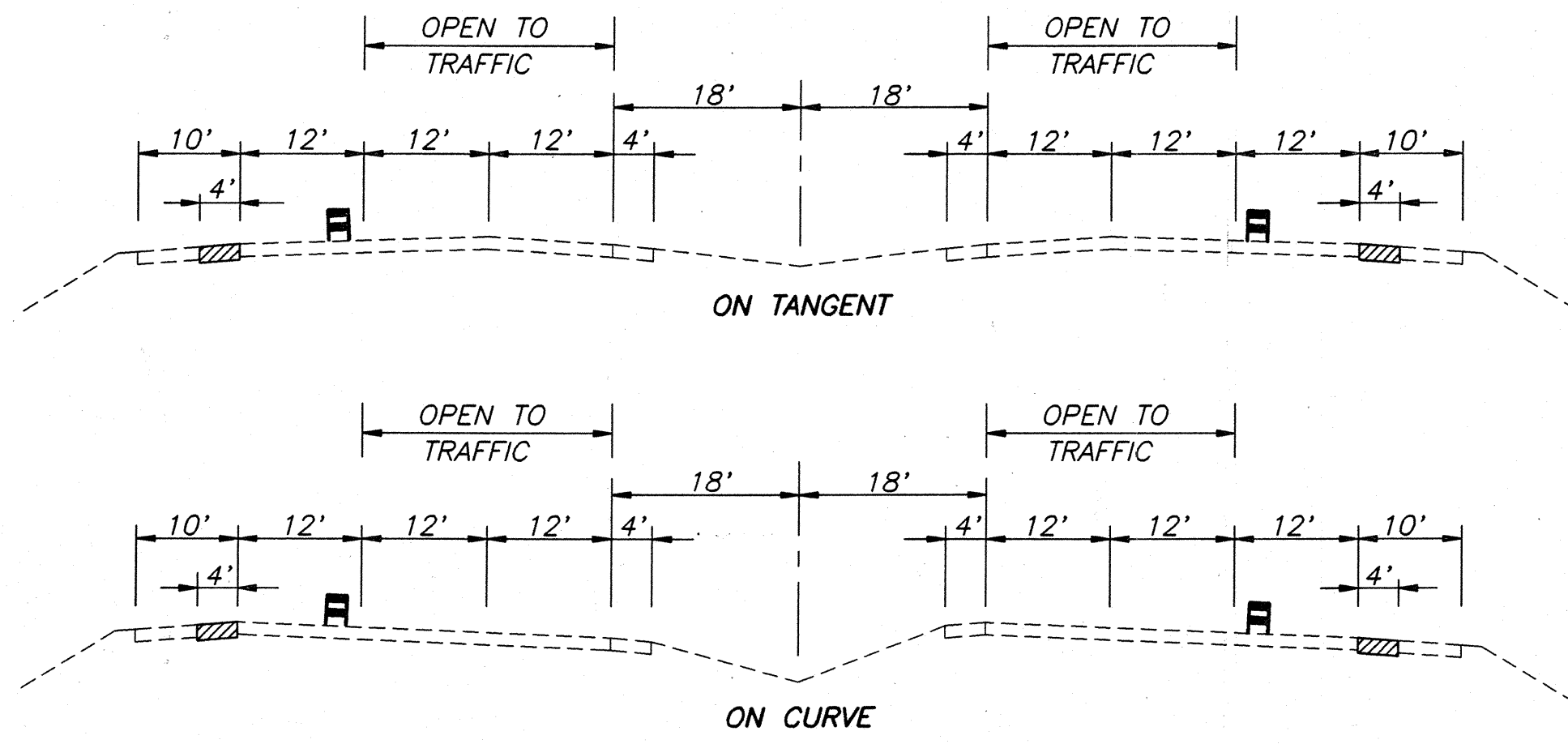
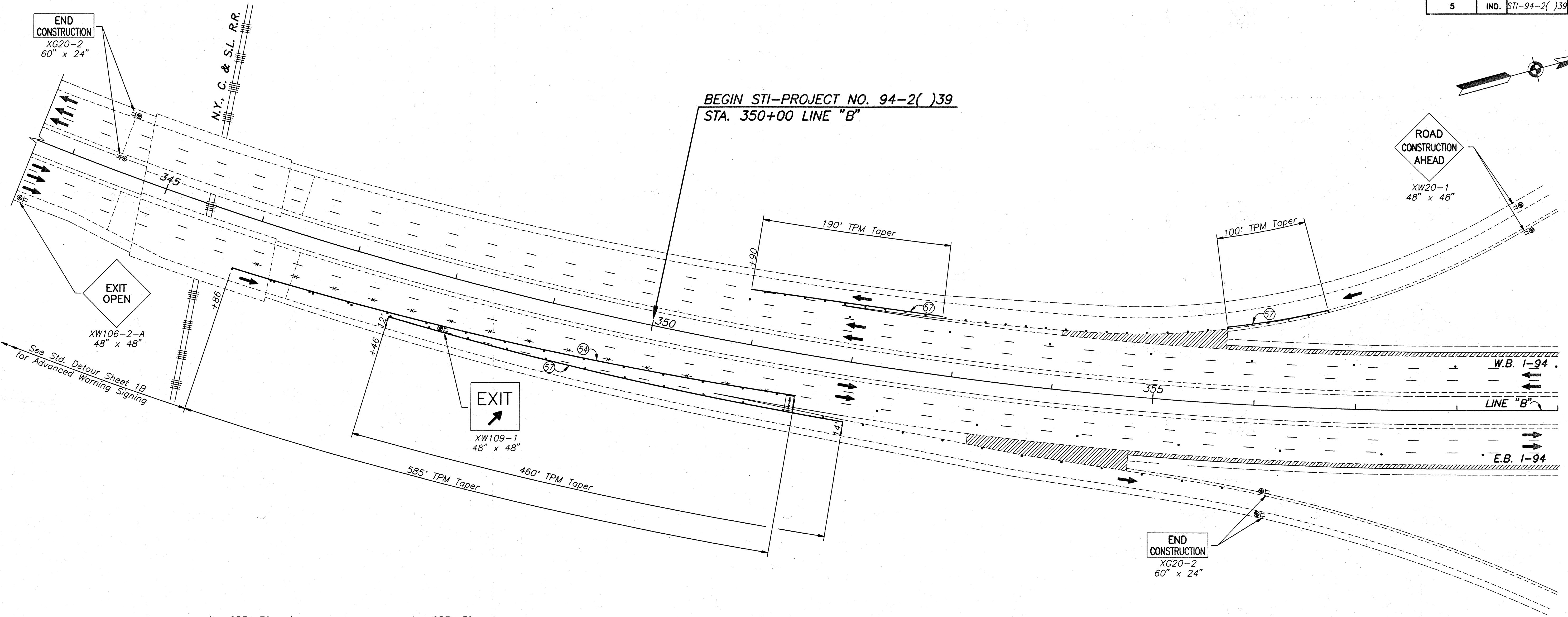
Scale: Horizontal 1" = 100'
Vertical 1" = 5'



B.M.# L-441 A Bronze Disk in Wingwall N.W. Corner of West Bound lane west end of Wingwall EL. 702.89 Sta. 674+17

PROJECT NO.	LINE	SHEET NO.	TOTAL SHEETS
STI-94-21 139	B	38	126

FEDERAL ROAD REGION NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	STI-94-2()39	1992	39	126



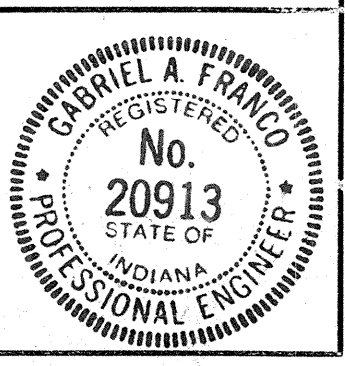
Sta. 353+25 to 664+70 "B"
 Construct 4' of Outside Shoulder and Gore Areas with Full Depth Bituminous Pavement:
 220#/Syd. Bituminous Binder 8 or 9, MV on
 440#/Syd. Bituminous Base 5, MV on
 400#/Syd. Bituminous Base 5C, MV on
 400#/Syd. Bituminous Base 5D, MV

Sta. 664+70 to 681+50 "B"
 Construct 10' of Outside Shoulder with Full Depth Bituminous Pavement:
 220#/Syd. Bituminous Binder 8 or 9, MV on
 440#/Syd. Bituminous Base 5, MV on
 400#/Syd. Bituminous Base 5C, MV on
 400#/Syd. Bituminous Base 5D, MV

- LEGEND**
- Section to be Built During Phase I of Construction
 - Type II Barricade or Standard Drum
 - Typical Sign Standard with Construction Warning Light Type A
 - Flashing Arrow Sign
 - Pavement Marking Removal
 - Temporary Pavement Marking Type I, White, 4 in.
 - Temporary Pavement Marking Type I, Yellow, 4 in.
 - Temporary Pavement Marking

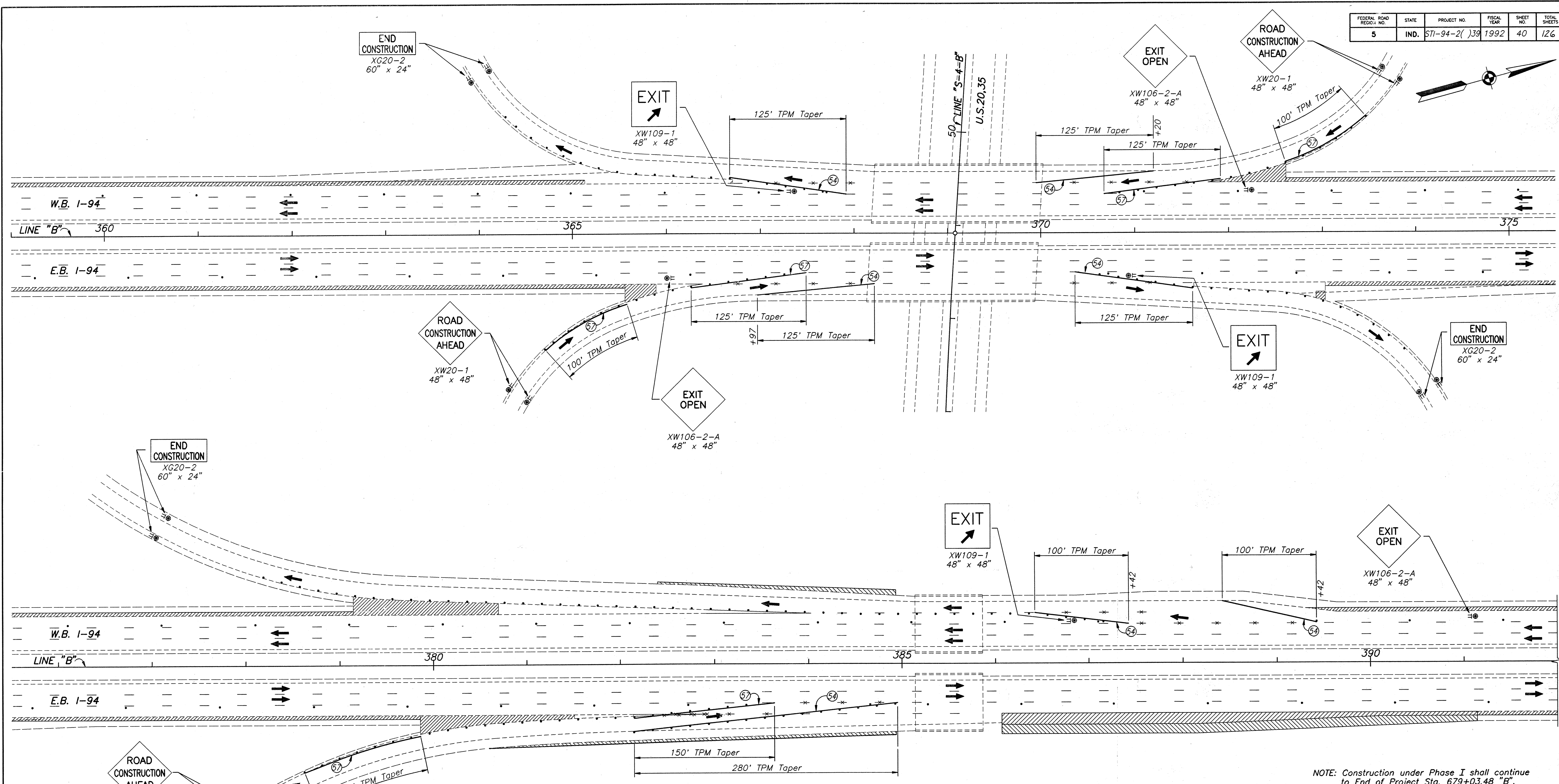
PHASE I MAINTENANCE OF TRAFFIC DETAILS

Scale: 1"=50'



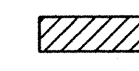



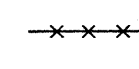


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FEDERAL ROAD DISTRICT NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	STI-94-2()39	1992	40	126



ROAD CONSTRUCTION AHEAD
XW20-1
48" x 48"

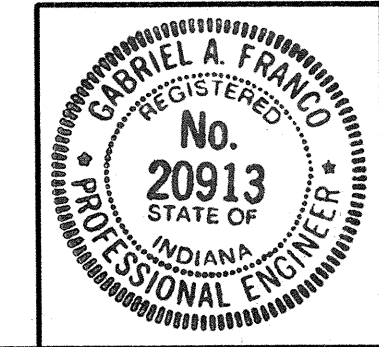
LEGEND

-  Section to be Built During Phase I of Construction (See Detail Sheet No.39)
-  Shoulder Widening (See Sheet No.8)
-  Type II Barricade or Standard Drum
-  Typical Sign Standard with Construction Warning Light Type A
-  Pavement Marking Removal
-  (54) Temporary Pavement Marking Type I, White, 4 in.
-  (57) Temporary Pavement Marking Type I, Yellow, 4 in.
- TPM Temporary Pavement Marking

NOTE: Construction under Phase I shall continue to End of Project Sta. 679+03.48 "B".

PHASE I MAINTENANCE OF TRAFFIC DETAILS

Scale: 1"=50'

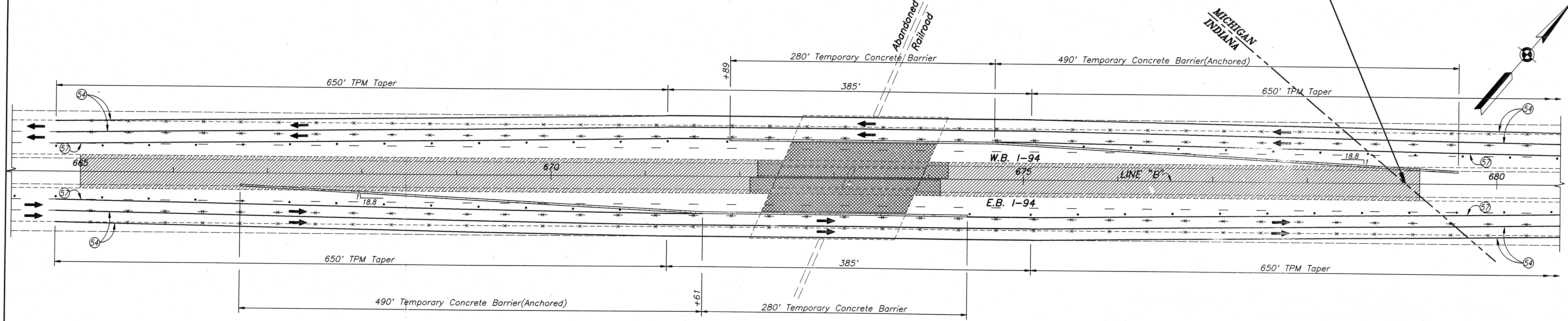


R-20060

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END STI-PROJECT NO. 94-2()39
 STA. 679+03.48 LINE "B"

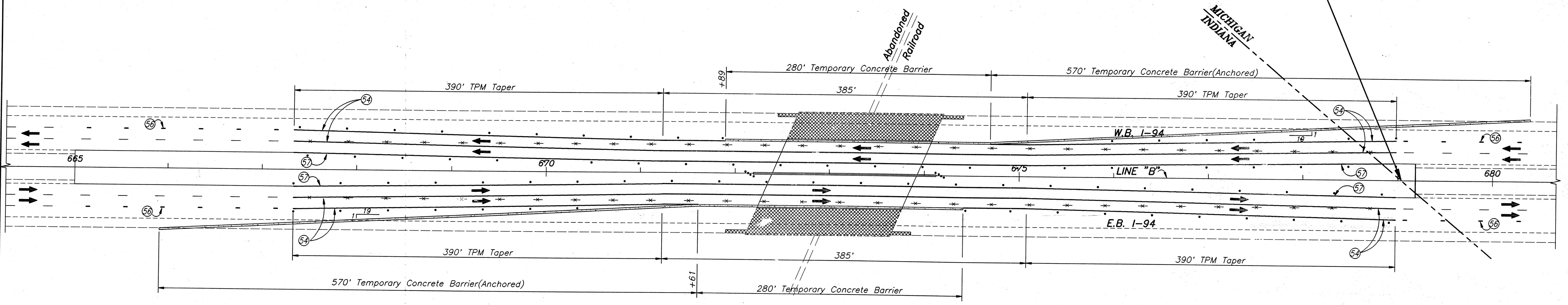
FEDERAL ROAD REGION NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	STI-94-2()39	1992	40a	126



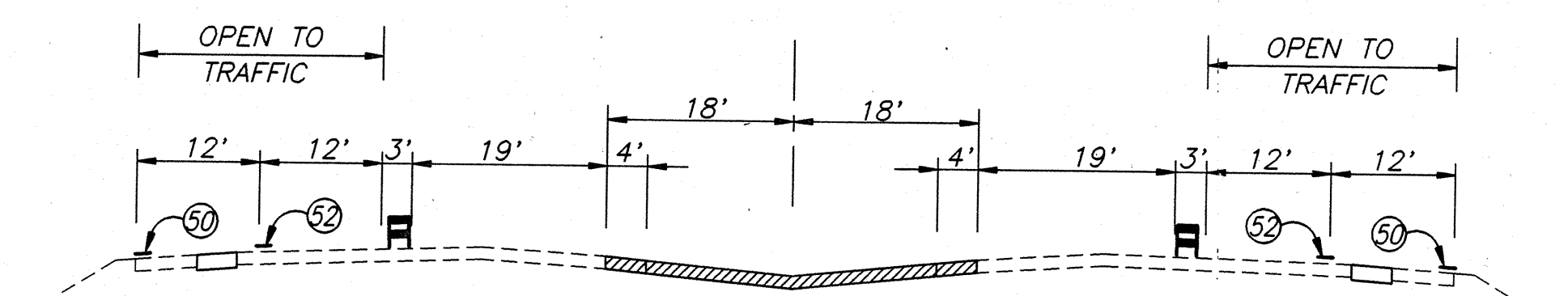
PHASE I-A

END STI-PROJECT NO. 94-2()39
 STA. 679+03.48 LINE "B"

See Std. Detour Sheet 1B
 for Advanced Warning Signing



PHASE I-B

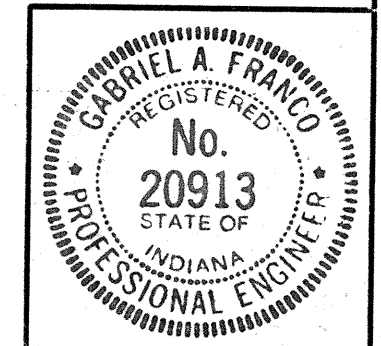


ON TANGENT
 Sta. 665+00 to 679+18.48 "B"
 1. Construct Median and Inside Shoulder with Full Depth Bituminous Pavement:
 220#/Syd. Bituminous Binder 8 or 9, MV on
 440#/Syd. Bituminous Base 5, MV on
 400#/Syd. Bituminous Base 5C, MV on
 400#/Syd. Bituminous Base 5D, MV

- LEGEND**
- Section to be Built During Phase I-A Construction
 - Bridge Construction & Paving Exception (See Bridge Plans)
 - Type II Barricade or Standard Drum
 - Temporary Concrete Barrier
 - Pavement Marking Removal
 - Temporary Pavement Marking Type I, White, 4 in.
 - Temporary Pavement Marking Type I, White, Broken, 5 in. (4' Spaced 40' C. to C.)
 - Temporary Pavement Marking Type I, Yellow, 4 in.
 - Temporary Pavement Marking

PHASES I-A & I-B
 MAINTENANCE OF TRAFFIC
 DETAILS

Scale: 1"=50'



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