

7144

| LOOP DETECTOR CHART | | | |
|---------------------|---------------|----------|-------------------------|
| DESIGNATION | SIZE | FUNCTION | DISTANCE FROM STOP LINE |
| D1-1,D1-3 | 2-1.7m x 1.7m | (1) | 6.1,15.2m |
| D1-2,D1-4 | 2-1.7m x 1.7m | (1) | 1.5,10.7m |
| D3-1,D3-2 | 1-1.7m x 1.7m | (1) | 92m |
| D3-3,D3-4 | 2-1.7m x 1.7m | (1) | 1.5,6.1m |
| D6-1,D6-2 | 1-1.7m x 1.7m | (1) | 92m |
| DB-1 | 1-1.7m x 1.7m | (3) | 35m |
| DB-2 | 2-1.7m x 1.7m | (1) | 1.5,6.1m |

LOOP DETECTOR CHART
 (1) - CALL AND EXTEND
 (3) - EXTEND ONLY

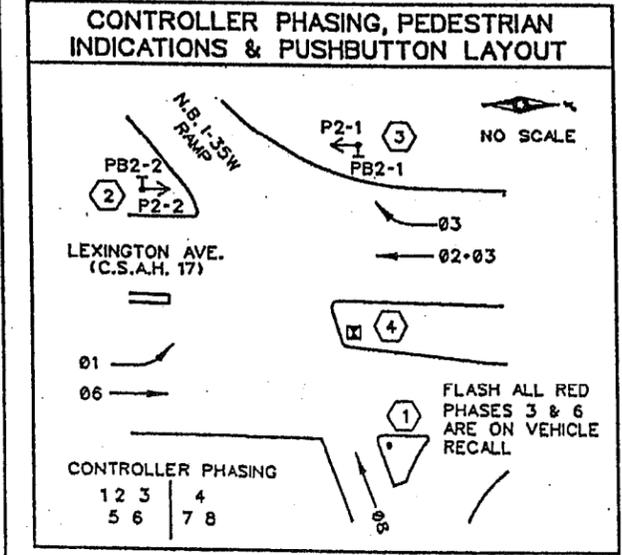
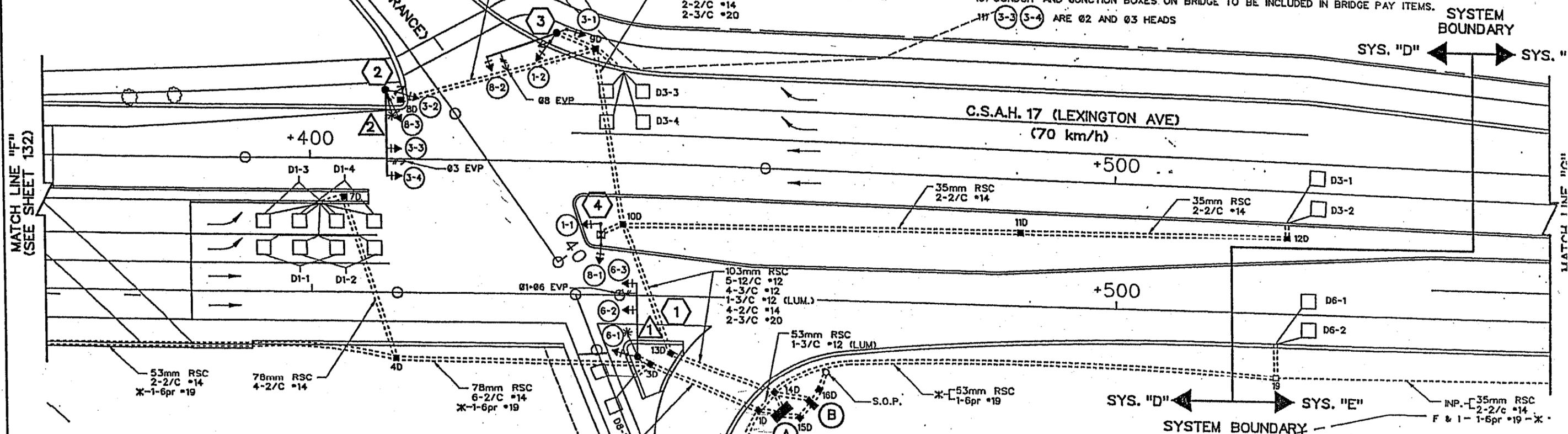
2 TYPE PA90-A10.7m-D12.2m-2.7m (DAVIT AT 350°)
 PA90 POLE FOUNDATION
 2 - ONE WAY SIGNALS (OVERHEAD)
 (0m AND 3.4m FROM END OF MAST ARM)
 ONE WAY EVP DETECTOR AND LIGHT
 (1.2m FROM END OF MAST ARM)
 TYPE 10A AT 0°
 TYPE 10B AT 270°
 LUMINAIRE - 250 WATT H.P.S.
 W/PEC & CHECK SWITCH
 1 - PEDESTRIAN PUSH BUTTON & SIGN
 EXTEND INTO HH 8D
 78mm RSC
 2-12/C *12
 2-3/C *12
 1-3/C *12 (LUM.)
 1-3/C *20

3 TYPE PA90-A9.1m
 PA90 POLE FOUNDATION
 1 - ONE WAY SIGNAL (OVERHEAD)
 (0m FROM END OF MAST ARM)
 ONE WAY EVP DETECTOR AND LIGHT
 (1.8m FROM END OF MAST ARM)
 TYPE 10B AT 0°
 TYPE 10A AT 180°
 1 - PEDESTRIAN PUSH BUTTON & SIGN
 EXTEND INTO HH 9D
 78mm RSC
 2-12/C *12
 2-3/C *12
 1-3/C *20

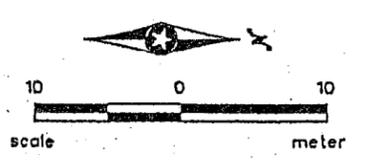
4 10' PEDESTAL AND BASE
 PEDESTAL FOUNDATION
 TYPE 2A
 1-R9-3c SIGN FACING (3)
 EXTEND INTO HH 10D
 78mm RSC
 1-12/C *12

NOTES:

- SEE SPECIAL PROVISIONS FOR COUNTY FURNISHED EQUIPMENT.
- EACH SIGNAL FACE SHALL HAVE A BACKGROUND SHIELD.
- SEE SHEET 119 AND SPECIAL PROVISIONS FOR SERVICE CABINET DETAILS.
- TYPE D SIGNS SHALL BE FURNISHED AND INSTALLED ON MAST ARM POLES 1,2 AND 3. SEE SPECIAL PROVISIONS.
- SEE SPECIAL PROVISIONS FOR HANDHOLE TYPE.
- SEE SPECIAL PROVISIONS FOR CONTRACTORS RESPONSIBILITY FOR LOCATION OF UTILITIES.
- ALL PEDESTRIAN INDICATIONS SHALL BE MAN/HAND (SEE SPECIAL PROVISIONS).
- ALL SIGNAL FACES SHALL BE 300mm - 3 SECTION RLTA, YLTA AND GLTA.
 - (1-1) (1-2) WHICH SHALL BE 300mm - 3 SECTION RLTA, YLTA AND GLTA.
 - (3-1) (3-2) WHICH SHALL BE 300mm - 3 SECTION RRTA, YRTA AND GRTA.
- ALL VEHICLE SIGNAL INDICATIONS AND PEDESTRIAN INDICATIONS SHALL USE GLASS LENSES, EXCEPT RED INDICATIONS WHICH SHALL USE LED TECHNOLOGY.
- CONDUIT AND JUNCTION BOXES ON BRIDGE TO BE INCLUDED IN BRIDGE PAY ITEMS.
 - (3-3) (3-4) ARE Ø2 AND Ø3 HEADS



78mm RSC
 1-12/C *12
 1-3/C *12
 1-3/C *12 (LUM.)
 7-2/C *14
 1-3/C *20
 *1-6pr *19



1 TYPE PA90-A9.1m-D12.2m-2.7m (DAVIT AT 350°)
 PA90 POLE FOUNDATION
 2 - ONE WAY SIGNALS (OVERHEAD)
 (0m AND 3.3m FROM END OF MAST ARM)
 ONE WAY EVP DETECTOR AND LIGHT
 (1.2m FROM END OF MAST ARM.)
 TYPE 10A AT 270°
 LUMINAIRE - 250 WATT H.P.S. W/PEC & CHECK SWITCH
 EXTEND INTO HH 3D
 78mm RSC
 1-12/C *12
 1-3/C *12
 1-3/C *12 (LUM.)
 1-3/C *20

S.Q.P. NSP WOOD POLE (TO BE RELOCATED BY OTHERS)
 53mm RSC RISER AND WEATHERHEAD
 3-1/C *6
 POLE TO HH 16D
 53mm RSC
 3-1/C *6

*-DESIGNATES ITEMS TO BE INCLUDED IN THE INTERCONNECT SYSTEM PAY ITEM

A EQUIPMENT PAD - SEE DETAIL
 CONTROLLER AND CABINET
 CONTROLLER CABINET TO HH 1D
 103mm RSC
 1-12/C *12
 1-3/C *12
 8-2/C *14
 1-3/C *20
 *1-6pr *19
 CONTROLLER CABINET TO HH 14D
 103mm RSC
 5-12/C *12
 4-3/C *12
 4-2/C *14
 2-3/C *20
 *1-6pr *19
 CONTROLLER CABINET TO HH 15D
 53mm RSC
 3-1/C *6
 STUB OUT AND CAP
 2 - 78mm RSC TO WEST

B SERVICE CABINET FOUNDATION
 SERVICE CABINET TO HH 15D
 53mm RSC
 3-1/C *6
 SERVICE CABINET TO HH 16D
 53mm RSC
 3-1/C *6
 SERVICE CABINET TO HH 14D
 53mm RSC
 2 - 3/C *12 (LUM.)

I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Registered

STATE AID PROJECT NO.

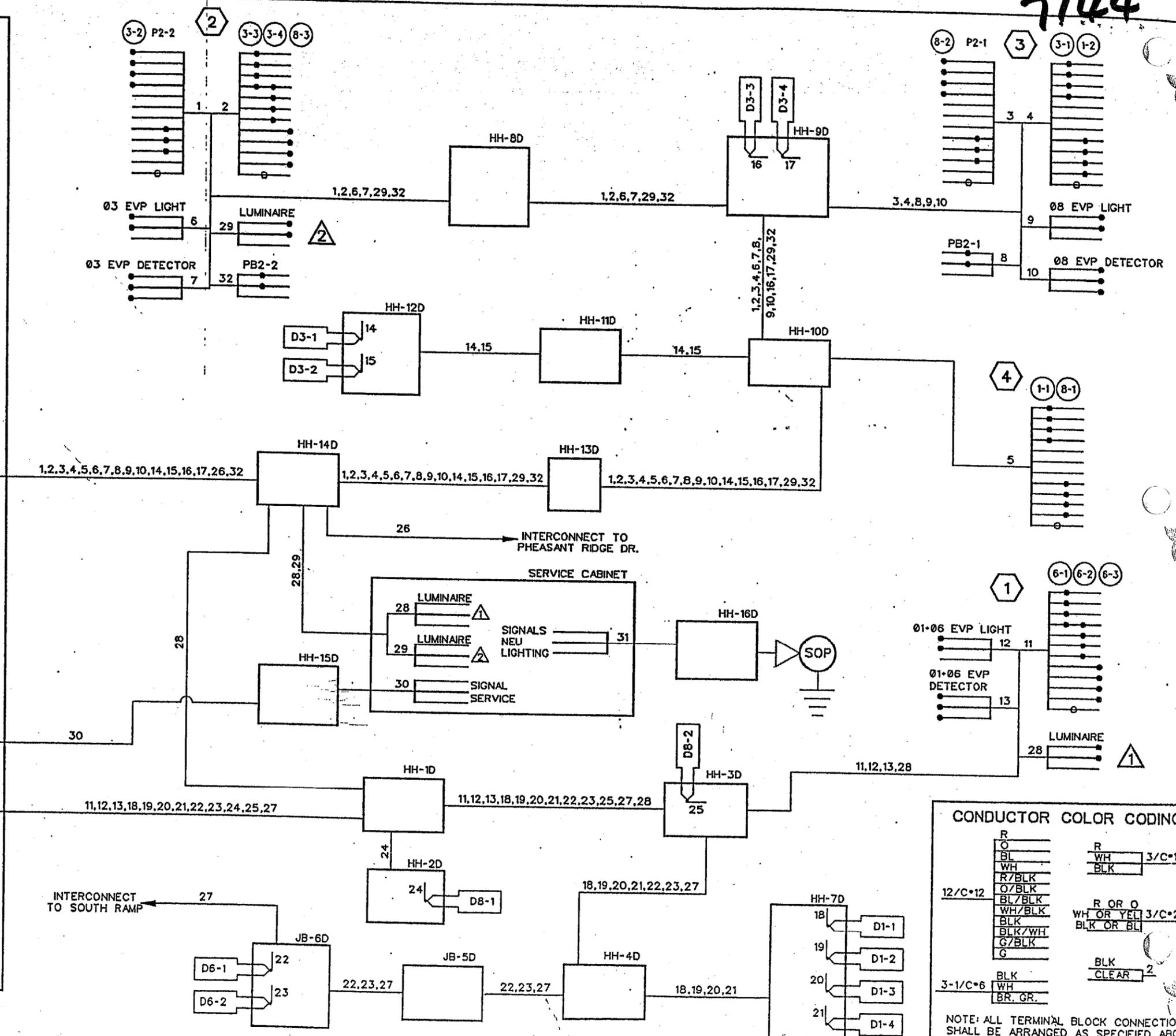
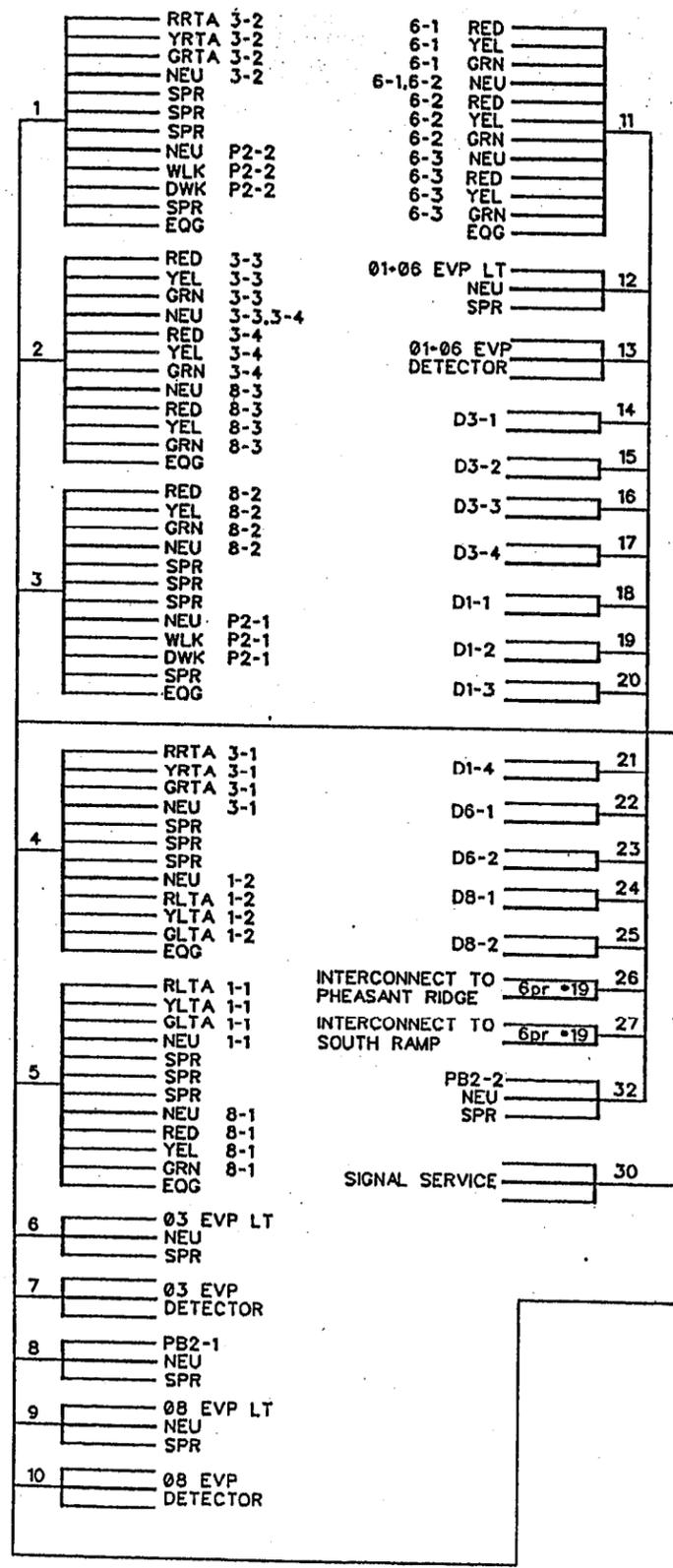
DRAWN BY R.W. SMITH
 DATE 9-96
 DESIGNED BY

ANOKA COUNTY

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CONTROLLER CABINET



CONDUCTOR COLOR CODING

| | |
|---------|-----------|
| R | 3/C=12 |
| O | BLK |
| BL | WH |
| WH | BLK |
| R/BLK | R OR O |
| O/BLK | WH OR YEL |
| BL/BLK | 3/C=21 |
| WH/BLK | BLK OR BL |
| BLK/WH | |
| G/BLK | |
| G | |
| BLK | BLK |
| 3-1/C=6 | CLEAR |
| WH | 2 |
| BR. GR. | |

NOTE: ALL TERMINAL BLOCK CONNECTIONS SHALL BE ARRANGED AS SPECIFIED ABOVE

I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Registered Professional Engineer under the laws of the State of Illinois.

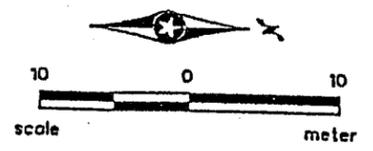
STATE AID PROJECT NO. DRAWN BY DATE M.BRESSLER 9-96 DESIGNED BY

ANOKA COUNTY

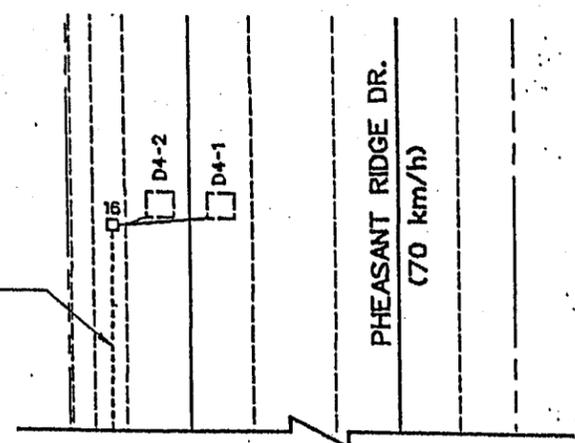
ANOKA COUNTY

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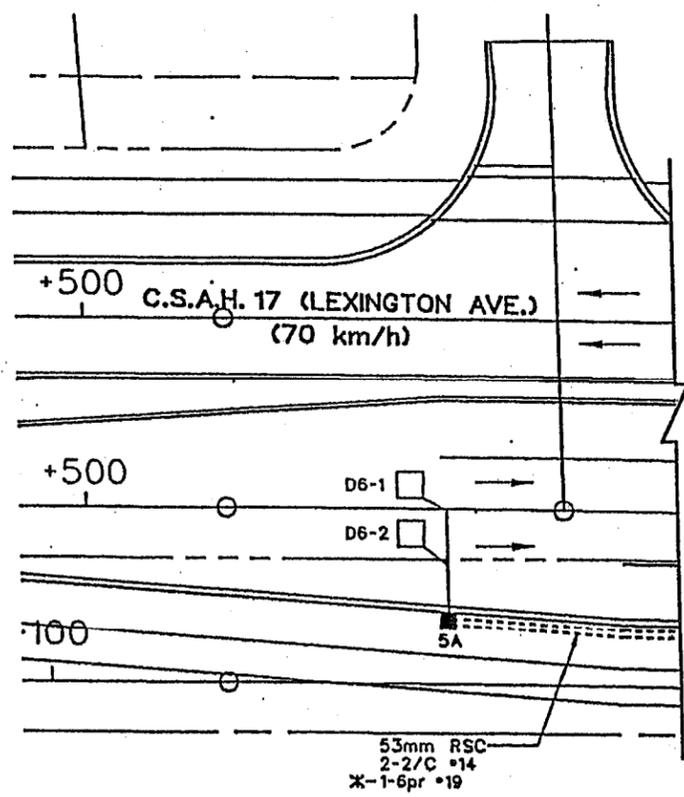


INP.-35mm RSC
REMOVE & REPLACE

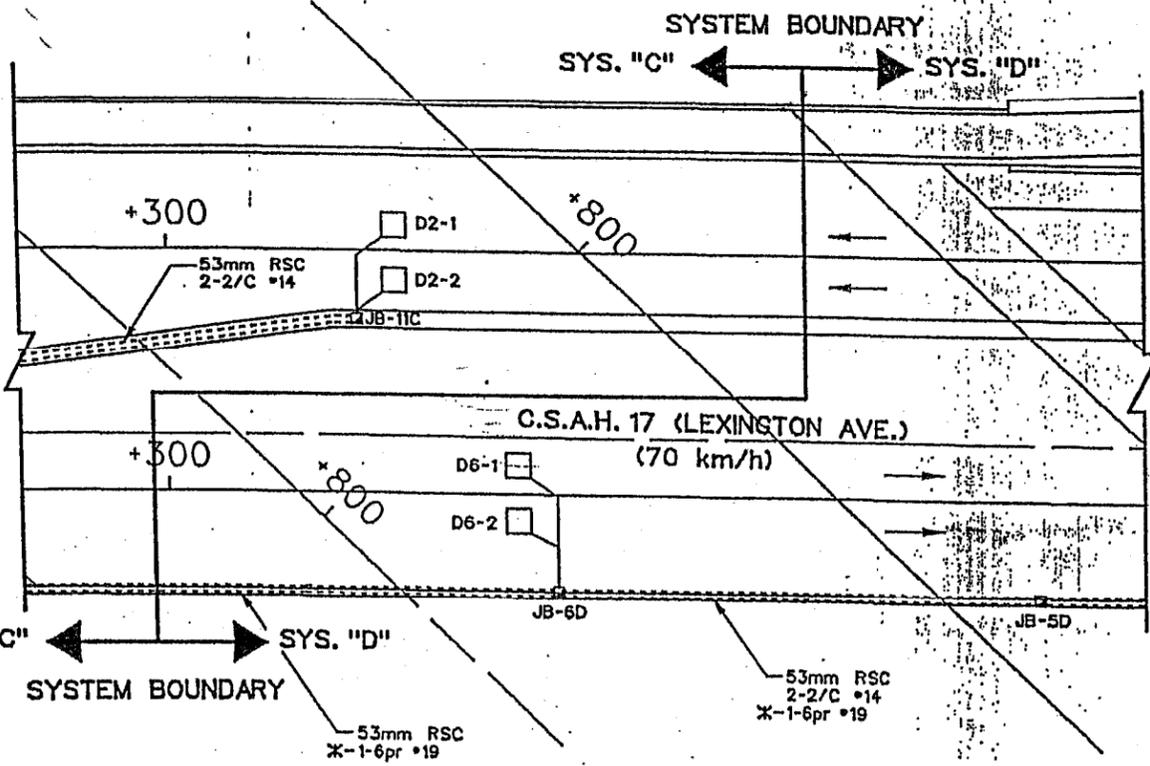


MATCH LINE "J"
(SEE SHEET 129)

NOTE:
CONDUIT AND JUNCTION BOXES ON BRIDGE
TO BE INCLUDED IN BRIDGE PAY ITEMS.

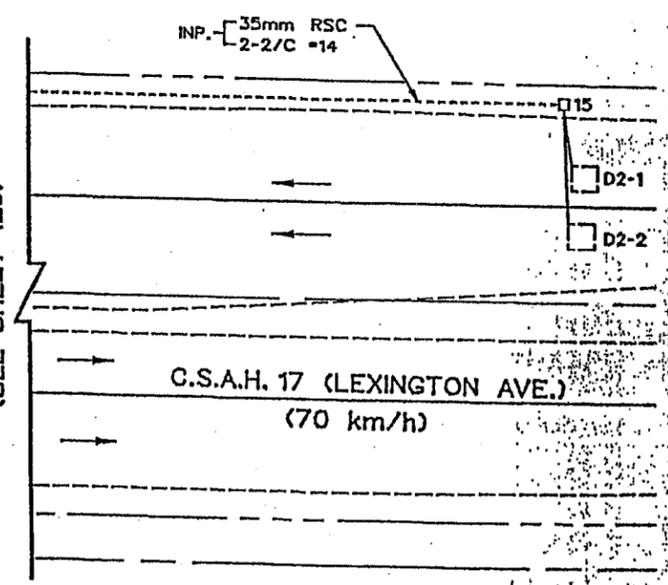


MATCH LINE "A"
(SEE SHEET 121)



MATCH LINE "F"
(SEE SHEET 127)

MATCH LINE "H"
(SEE SHEET 129)



X- DESIGNATES ITEMS TO BE INCLUDED IN
THE INTERCONNECT SYSTEM PAY ITEM

| NO | DATE | BY | CKD | APPR | REVISION |
|----|------|----|-----|------|----------|
| | | | | | |

NAME: MATCH2.DWG DATE: Mar. 19, 1997



I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Registered Professional Engineer under the laws of the State of Minnesota.
George H. Stuenkel
Date: 3/21/97 Reg. No. 21849

STATE AID PROJECT NO. SAP 02-817-11
STATE PROJECT NO. SP 0280-47

DRAWN BY R.W. SMITH DATE 9-96
DESIGNED BY P. CORKLE DATE 9-96
CHECKED BY G. STUEMPFIG DATE 9-96
COMM. NO. 000000



ANOKA COUNTY
MATCH LINE LAYOUT
C.S.A.H. 17 RECONSTRUCTION
SHE 13 OF