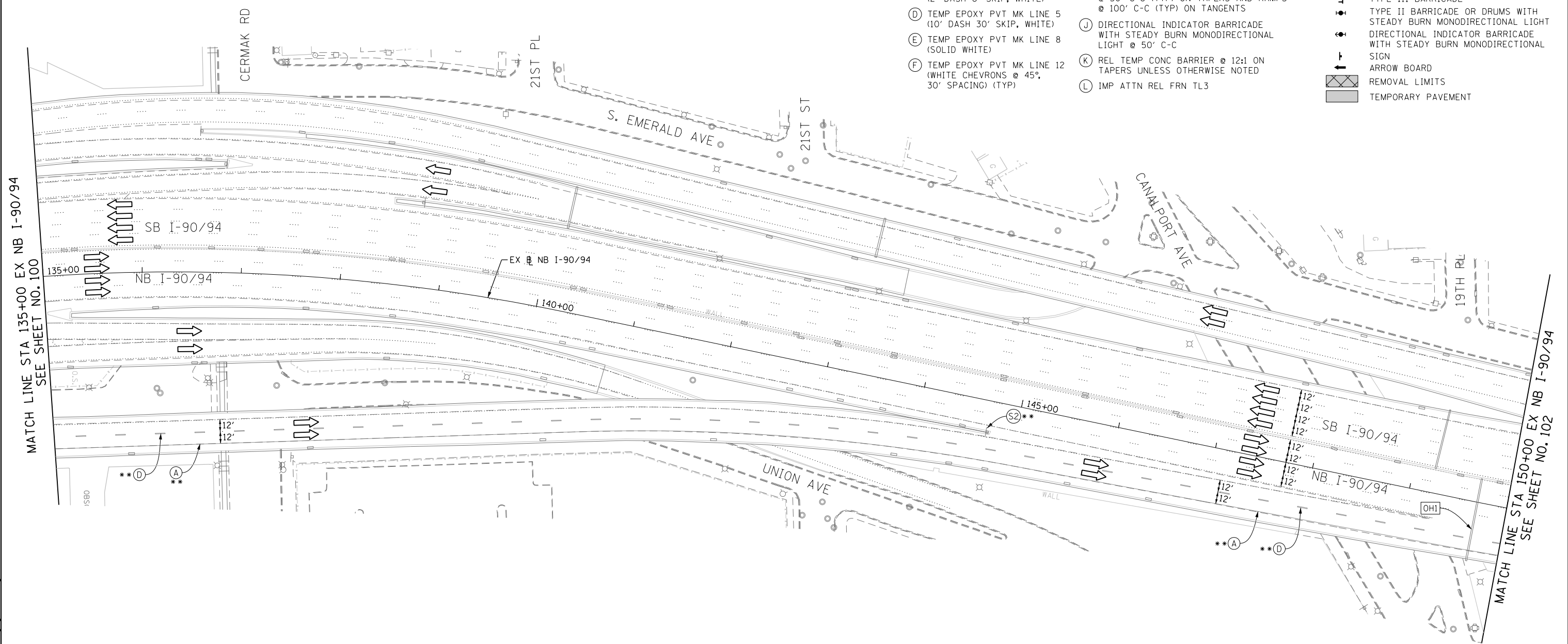


\* FROM PREVIOUS STAGE TO REMAIN  
 \*\* FROM CONTRACT 60W28 TO REMAIN

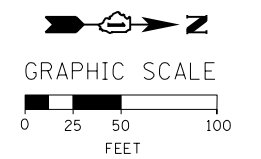
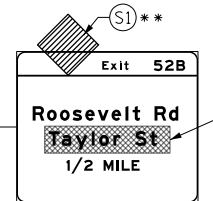
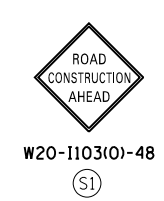
**PROPOSED TEMP PAVEMENT MARKINGS AND TRAFFIC CONTROL DEVICES**

- (A) TEMP EPOXY PVT MK LINE 4 (SOLID WHITE)
- (B) TEMP EPOXY PVT MK LINE 4 (SOLID YELLOW)
- (C) TEMP EPOXY PVT MK LINE 4 (2' DASH 6' SKIP, WHITE)
- (D) TEMP EPOXY PVT MK LINE 5 (10' DASH 30' SKIP, WHITE)
- (E) TEMP EPOXY PVT MK LINE 8 (SOLID WHITE)
- (F) TEMP EPOXY PVT MK LINE 12 (WHITE CHEVRONS @ 45°, 30' SPACING) (TYP)
- (G) TEMP CONC BARRIER @ 12:1 ON TAPERS UNLESS OTHERWISE NOTED
- (H) IMP ATTN TEMP FRN TL3
- (I) TYPE II BARRICADE OR DRUMS WITH STEADY BURN MONODIRECTIONAL LIGHT @ 50' C-C (TYP) ON TAPERS AND RAMP @ 100' C-C (TYP) ON TANGENTS
- (J) DIRECTIONAL INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT @ 50' C-C
- (K) REL TEMP CONC BARRIER @ 12:1 ON TAPERS UNLESS OTHERWISE NOTED
- (L) IMP ATTN REL FRN TL3

- LEGEND:**
- WORK ZONE
  - TEMPORARY CONCRETE BARRIER
  - TEMPORARY IMPACT ATTENUATOR
  - TEMPORARY SOIL RETENTION SYSTEM OR BRACED EXCAVATION
  - DIRECTION OF TRAFFIC FLOW
  - TYPE III BARRICADE
  - TYPE II BARRICADE OR DRUMS WITH STEADY BURN MONODIRECTIONAL LIGHT
  - DIRECTIONAL INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL SIGN
  - ARROW BOARD
  - REMOVAL LIMITS
  - TEMPORARY PAVEMENT



[OHI] EXISTING OVERHEAD SIGNS



FILE PATH = C:\Projects\2\60W28\727\_Circle\006\_CAD\006\_Roadway\Sheets\160W30-Sht-Staging2B-03-ML.dgn



D160W30-Sht-Staging2B-03-ML.dgn  
 USER NAME = holmann  
 PLOT SCALE = 100.0000' / in.  
 PLOT DATE = 10/26/2014

DESIGNED - NJH	REVISED -
DRAWN - NJH	REVISED -
CHECKED - DBM	REVISED -
DATE - 10/24/2014	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL PLAN  
 MAINLINE - STAGE 2B**  
 SCALE: 1" = 50' SHEET 3 OF 11 SHEETS STA. 135+00 TO STA. 150+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2013-012R	COOK	385	101
CONTRACT NO. 60W30				
ILLINOIS FED. AID PROJECT				

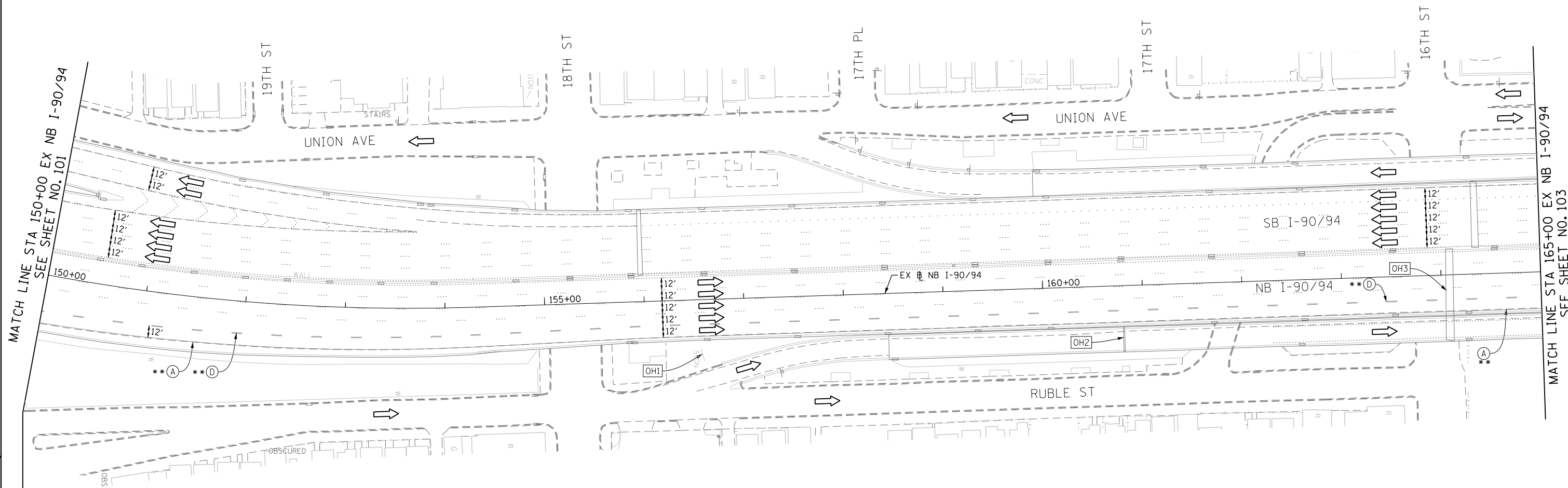
**PROPOSED TEMP PAVEMENT MARKINGS AND TRAFFIC CONTROL DEVICES**

- (A) TEMP EPOXY PVT MK LINE 4 (SOLID WHITE)
- (B) TEMP EPOXY PVT MK LINE 4 (SOLID YELLOW)
- (C) TEMP EPOXY PVT MK LINE 4 (2' DASH 6' SKIP, WHITE)
- (D) TEMP EPOXY PVT MK LINE 5 (10' DASH 30' SKIP, WHITE)
- (E) TEMP EPOXY PVT MK LINE 8 (SOLID WHITE)
- (F) TEMP EPOXY PVT MK LINE 12 (WHITE CHEVRONS @ 45°, 30' SPACING) (TYP)
- (G) TEMP CONC BARRIER @ 12:1 ON TAPERS UNLESS OTHERWISE NOTED
- (H) IMP ATTN TEMP FRN TL3
- (I) TYPE II BARRICADE OR DRUMS WITH STEADY BURN MONODIRECTIONAL LIGHT @ 50' C-C (TYP) ON TAPERS AND RAMP @ 100' C-C (TYP) ON TANGENTS
- (J) DIRECTIONAL INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT @ 50' C-C
- (K) REL TEMP CONC BARRIER @ 12:1 ON TAPERS UNLESS OTHERWISE NOTED
- (L) IMP ATTN REL FRN TL3

**LEGEND:**

- WORK ZONE
- TEMPORARY CONCRETE BARRIER
- TEMPORARY IMPACT ATTENUATOR
- TEMPORARY SOIL RETENTION SYSTEM OR BRACED EXCAVATION
- DIRECTION OF TRAFFIC FLOW
- TYPE III BARRICADE
- TYPE II BARRICADE OR DRUMS WITH STEADY BURN MONODIRECTIONAL LIGHT
- DIRECTIONAL INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL SIGN
- ARROW BOARD
- REMOVAL LIMITS
- TEMPORARY PAVEMENT

- \* FROM PREVIOUS STAGE TO REMAIN
- \*\* FROM CONTRACT 60W28 TO REMAIN

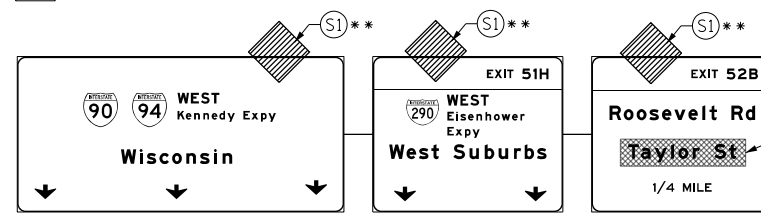


[OH1] UNCOVER EXISTING GROUND MOUNTED SIGN

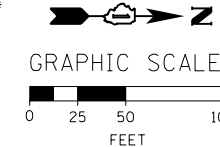
[OH2] UNCOVER EXISTING OVERHEAD SIGN



[OH3] EXISTING OVERHEAD SIGNS



COVER EXISTING SIGN \*



FILE PATH = C:\Projects\2160W30-Sht-Staging28-04-ML.dgn



D160W30-Sht-Staging28-04-ML.dgn  
USER NAME = holmann  
PLOT SCALE = 100.0000' / in.  
PLOT DATE = 10/26/2014

DESIGNED - NJH  
DRAWN - NJH  
CHECKED - DBM  
DATE - 10/24/2014

REVISED -  
REVISED -  
REVISED -  
REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

**SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL PLAN**  
**MAINLINE - STAGE 2B**

SCALE: 1" = 50' SHEET 4 OF 11 SHEETS STA. 150+00 TO STA. 165+00

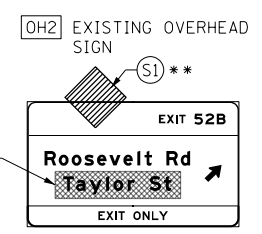
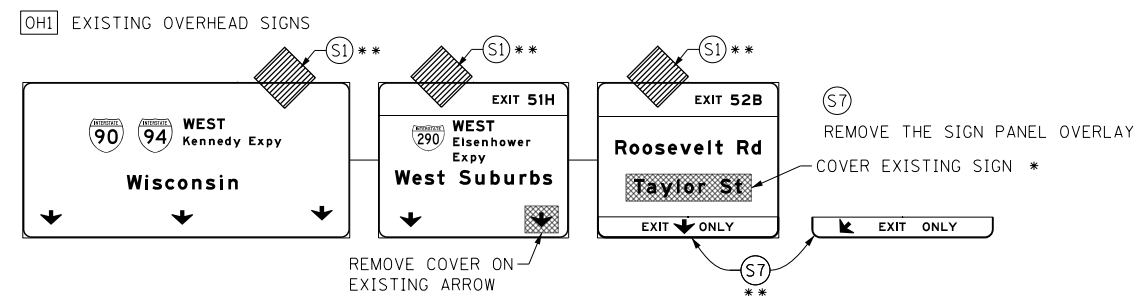
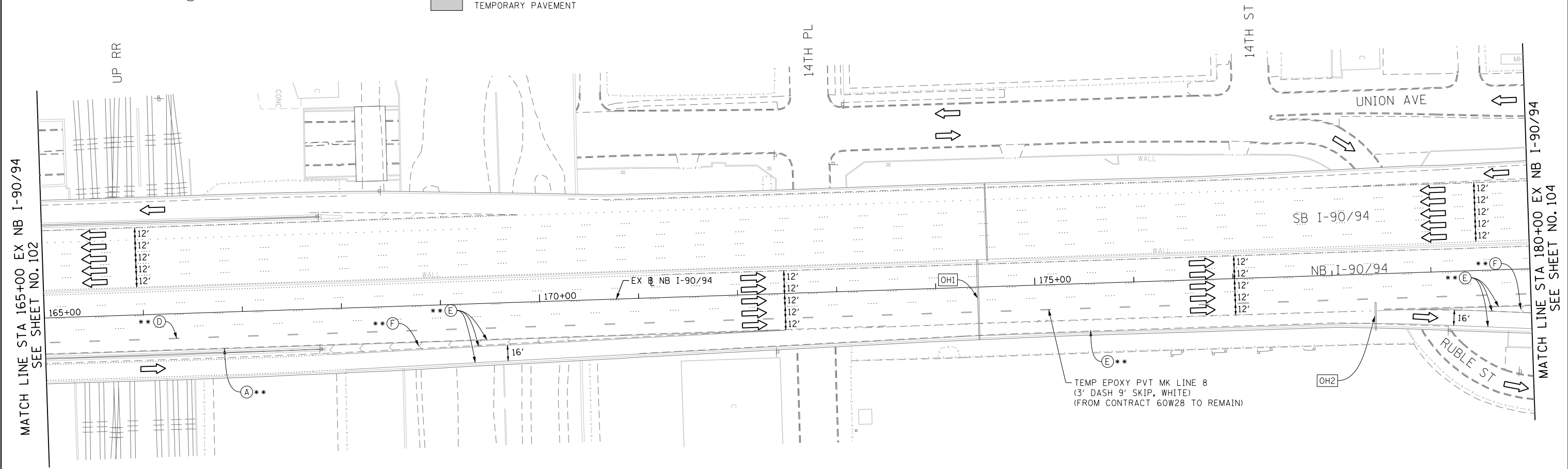
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2013-012R	COOK	385	102
CONTRACT NO. 60W30				
ILLINOIS FED. AID PROJECT				

**PROPOSED TEMP PAVEMENT MARKINGS AND TRAFFIC CONTROL DEVICES**

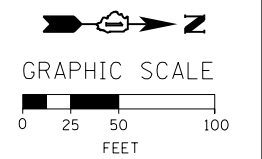
- (A) TEMP EPOXY PVT MK LINE 4 (SOLID WHITE)
- (B) TEMP EPOXY PVT MK LINE 4 (SOLID YELLOW)
- (C) TEMP EPOXY PVT MK LINE 4 (2' DASH 6' SKIP, WHITE)
- (D) TEMP EPOXY PVT MK LINE 5 (10' DASH 30' SKIP, WHITE)
- (E) TEMP EPOXY PVT MK LINE 8 (SOLID WHITE)
- (F) TEMP EPOXY PVT MK LINE 12 (WHITE CHEVRONS @ 45°, 30' SPACING) (TYP)
- (G) TEMP CONC BARRIER @ 12:1 ON TAPERS UNLESS OTHERWISE NOTED
- (H) IMP ATTN TEMP FRN TL3
- (I) TYPE II BARRICADE OR DRUMS WITH STEADY BURN MONODIRECTIONAL LIGHT @ 50' C-C (TYP) ON TAPERS AND RAMP @ 100' C-C (TYP) ON TANGENTS
- (J) DIRECTIONAL INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT @ 50' C-C
- (K) REL TEMP CONC BARRIER @ 12:1 ON TAPERS UNLESS OTHERWISE NOTED
- (L) IMP ATTN REL FRN TL3

**LEGEND:**

- WORK ZONE
- TEMPORARY CONCRETE BARRIER
- TEMPORARY IMPACT ATTENUATOR
- TEMPORARY SOIL RETENTION SYSTEM OR BRACED EXCAVATION
- DIRECTION OF TRAFFIC FLOW
- TYPE III BARRICADE
- TYPE II BARRICADE OR DRUMS WITH STEADY BURN MONODIRECTIONAL LIGHT
- DIRECTIONAL INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL SIGN
- ARROW BOARD
- REMOVAL LIMITS
- TEMPORARY PAVEMENT



\* FROM PREVIOUS STAGE TO REMAIN  
 \*\* FROM CONTRACT 60W28 TO REMAIN



FILE PATH = C:\Projects\26288727\_Circle\000\_CAD\006\_Roadway\Sheets\1616\1630-Sht-Staging2B-05-ML.dgn



D160W30-Sht-Staging2B-05-ML.dgn  
 USER NAME = holmann  
 PLOT SCALE = 100.0000' / in.  
 PLOT DATE = 10/26/2014

DESIGNED - NJH	REVISED -
DRAWN - NJH	REVISED -
CHECKED - DBM	REVISED -
DATE - 10/24/2014	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL PLAN  
 MAINLINE - STAGE 2B**  
 SCALE: 1" = 50' SHEET 5 OF 11 SHEETS STA. 165+00 TO STA. 180+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2013-012R	COOK	385	103
CONTRACT NO. 60W30				
ILLINOIS FED. AID PROJECT				

**PROPOSED TEMP PAVEMENT MARKINGS AND TRAFFIC CONTROL DEVICES**

- (A) TEMP EPOXY PVT MK LINE 4 (SOLID WHITE)
- (B) TEMP EPOXY PVT MK LINE 4 (SOLID YELLOW)
- (C) TEMP EPOXY PVT MK LINE 4 (2' DASH 6' SKIP, WHITE)
- (D) TEMP EPOXY PVT MK LINE 5 (10' DASH 30' SKIP, WHITE)
- (E) TEMP EPOXY PVT MK LINE 8 (SOLID WHITE)
- (F) TEMP EPOXY PVT MK LINE 12 (WHITE CHEVRONS @ 45°, 30' SPACING) (TYP)
- (G) TEMP CONC BARRIER @ 12:1 ON TAPERS UNLESS OTHERWISE NOTED
- (H) IMP ATTN TEMP FRN TL3
- (I) TYPE II BARRICADE OR DRUMS WITH STEADY BURN MONODIRECTIONAL LIGHT @ 50' C-C (TYP) ON TAPERS AND RAMP @ 100' C-C (TYP) ON TANGENTS
- (J) DIRECTIONAL INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT @ 50' C-C
- (K) REL TEMP CONC BARRIER @ 12:1 ON TAPERS UNLESS OTHERWISE NOTED
- (L) IMP ATTN REL FRN TL3

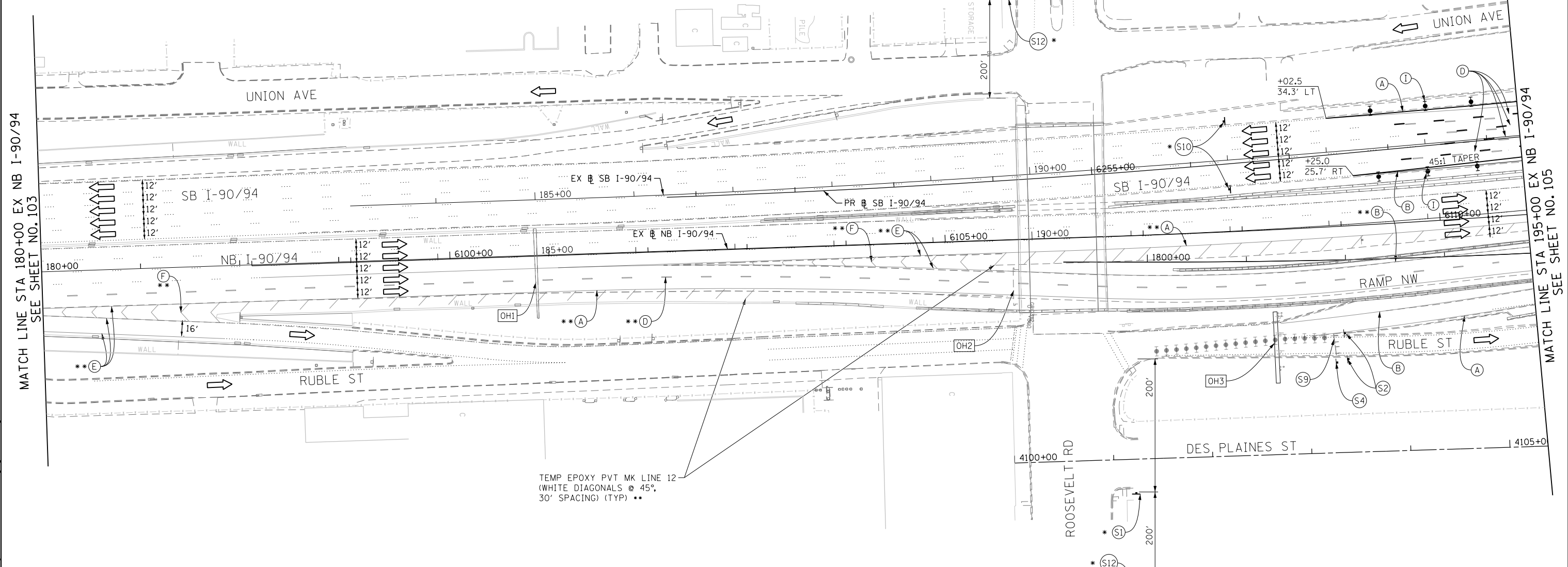
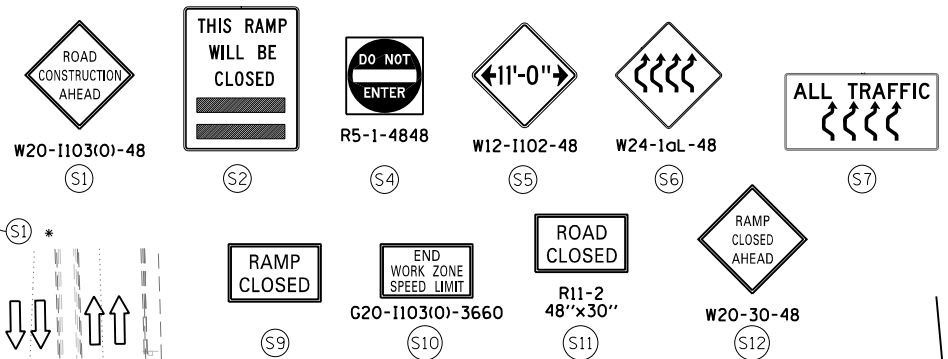
**LEGEND:**

- WORK ZONE
- TEMPORARY CONCRETE BARRIER
- TEMPORARY IMPACT ATTENUATOR
- TEMPORARY SOIL RETENTION SYSTEM OR BRACED EXCAVATION
- DIRECTION OF TRAFFIC FLOW
- TYPE III BARRICADE
- TYPE II BARRICADE OR DRUMS WITH STEADY BURN MONODIRECTIONAL LIGHT
- DIRECTIONAL INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL SIGN
- ARROW BOARD
- REMOVAL LIMITS
- TEMPORARY PAVEMENT

- \* FROM PREVIOUS STAGE TO REMAIN
- \*\* FROM CONTRACT 60W28 TO REMAIN

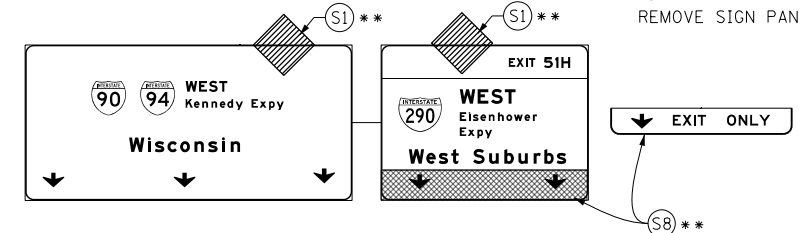
**NOTES:**

1. ALL NB I-90/94 LANE CONFIGURATION AND SIGNING TO REMAIN FROM CONTRACT 60W28.
2. FOR RUBLE ST CLOSURE COORDINATE WITH CONTRACT 60W28. SEE TAYLOR STREET STAGING PLAN AND DETOUR PLAN FOR SIGNING.
3. COOPERATION BETWEEN CONTRACTORS WILL BE REQUIRED. SEE TRAFFIC CONTROL GENERAL NOTES FOR DETAIL.
4. STATION AND OFFSETS SHALL BE FROM THE EXISTING I-90/94 SB AND NB BASELINES.



TEMP EPOXY PVT MK LINE 12 (WHITE DIAGONALS @ 45°, 30' SPACING) (TYP) \*\*

(OH1) EXISTING OVERHEAD SIGNS



(S8) REMOVE SIGN PANEL OVERLAY

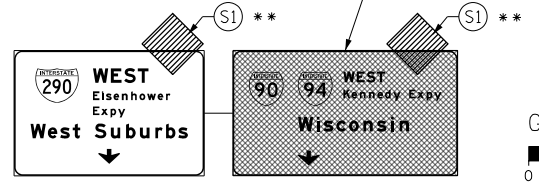
(OH2) EXISTING OVERHEAD SIGNS



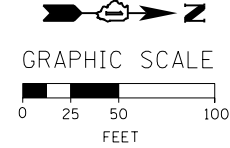
(S3) REMOVE SIGN PANEL OVERLAY

COVER EXISTING SIGN PANEL \*\*

(OH3) EXISTING OVERHEAD SIGNS



COVER EXISTING SIGN PANEL \*



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D160W30-Sht-Staging2B-06-ML.dgn  
 USER NAME = holmann  
 PLOT SCALE = 100.0000' / in.  
 PLOT DATE = 10/26/2014

DESIGNED - NJH  
 DRAWN - NJH  
 CHECKED - DBM  
 DATE - 10/24/2014

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL PLAN  
 MAINLINE - STAGE 2B

SCALE: 1" = 50' SHEET 6 OF 11 SHEETS STA. 180+00 TO STA. 1804+00

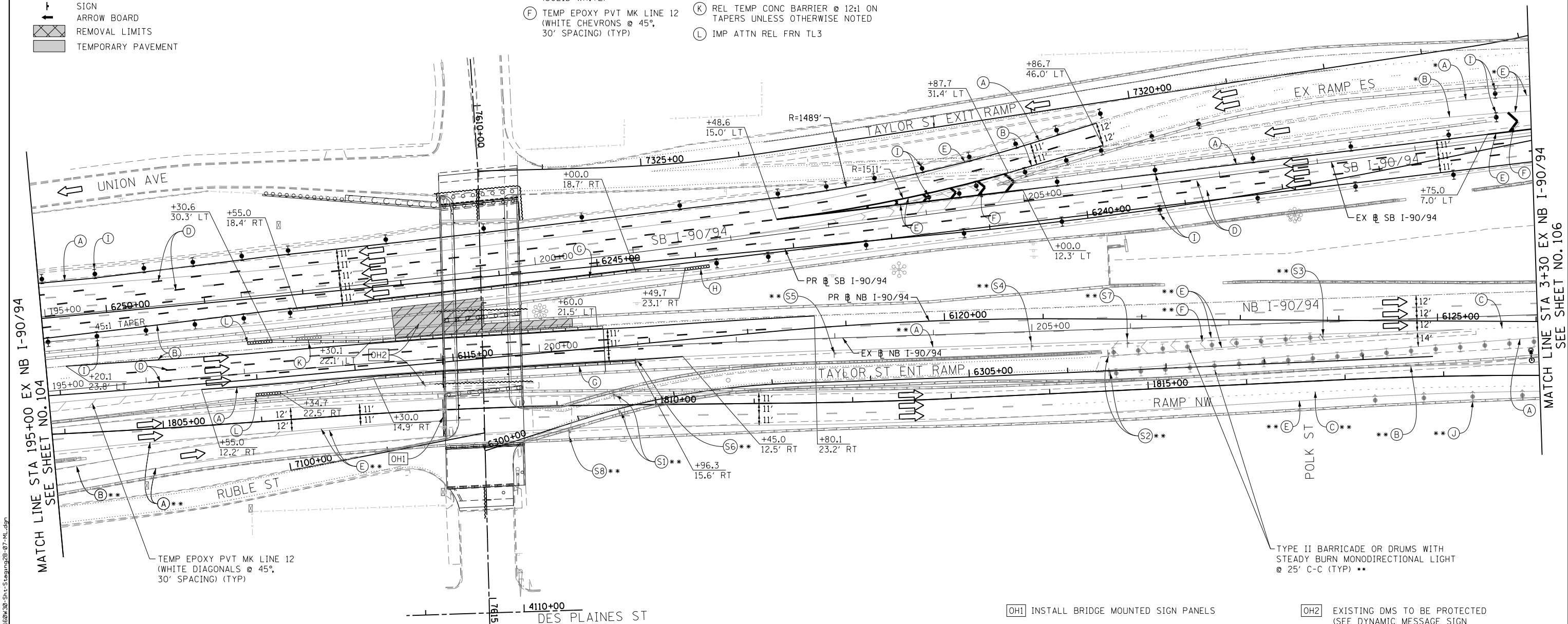
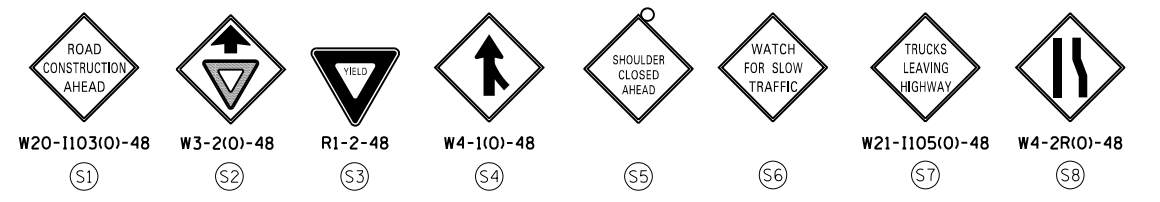
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2013-012R	COOK	385	104
CONTRACT NO. 60W30				
ILLINOIS FED. AID PROJECT				

- LEGEND:**
- WORK ZONE
  - TEMPORARY CONCRETE BARRIER
  - TEMPORARY IMPACT ATTENUATOR
  - TEMPORARY SOIL RETENTION SYSTEM OR BRACED EXCAVATION
  - DIRECTION OF TRAFFIC FLOW
  - TYPE III BARRICADE
  - TYPE II BARRICADE OR DRUMS WITH STEADY BURN MONODIRECTIONAL LIGHT
  - DIRECTIONAL INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL SIGN
  - ARROW BOARD
  - REMOVAL LIMITS
  - TEMPORARY PAVEMENT

\*\* FROM CONTRACT 60W28 TO REMAIN

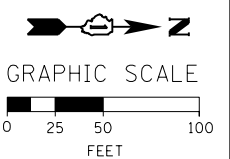
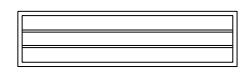
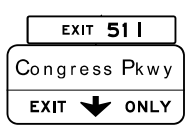
**PROPOSED TEMP PAVEMENT MARKINGS AND TRAFFIC CONTROL DEVICES**

- (A) TEMP EPOXY PVT MK LINE 4 (SOLID WHITE)
- (B) TEMP EPOXY PVT MK LINE 4 (SOLID YELLOW)
- (C) TEMP EPOXY PVT MK LINE 4 (2' DASH 6' SKIP, WHITE)
- (D) TEMP EPOXY PVT MK LINE 5 (10' DASH 30' SKIP, WHITE)
- (E) TEMP EPOXY PVT MK LINE 8 (SOLID WHITE)
- (F) TEMP EPOXY PVT MK LINE 12 (WHITE CHEVRONS @ 45°, 30' SPACING) (TYP)
- (G) TEMP CONC BARRIER @ 12:1 ON TAPERS UNLESS OTHERWISE NOTED
- (H) IMP ATTN TEMP FRN TL3
- (I) TYPE II BARRICADE OR DRUMS WITH STEADY BURN MONODIRECTIONAL LIGHT @ 50' C-C (TYP) ON TAPERS AND RAMP @ 100' C-C (TYP) ON TANGENTS
- (J) DIRECTIONAL INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT @ 50' C-C
- (K) REL TEMP CONC BARRIER @ 12:1 ON TAPERS UNLESS OTHERWISE NOTED
- (L) IMP ATTN REL FRN TL3



- NOTES:**
1. ALL NW RAMP LANE CONFIGURATION AND SIGNING TO REMAIN FROM CONTRACT 60W28.
  2. FOR TRAFFIC CONTROL AND SIGNING ON TAYLOR STREET AND ALL ENTRANCE AND EXIT ASSOCIATED TO TAYLOR STREET SEE TAYLOR STREET STAGING PLANS.
  3. FOR CONSTRUCTION STAGING ON TAYLOR STREET AND TAYLOR ENTRANCE AND EXIT RAMP SEE TAYLOR STREET STAGING PLANS.
  4. COOPERATION BETWEEN CONTRACTORS WILL BE REQUIRED. SEE TRAFFIC CONTROL GENERAL NOTES FOR DETAIL.
  5. STATION AND OFFSETS SHALL BE FROM THE EXISTING I-90/94 SB AND NB BASELINES.

- [OH1] INSTALL BRIDGE MOUNTED SIGN PANELS
- [OH2] EXISTING DMS TO BE PROTECTED (SEE DYNAMIC MESSAGE SIGN (DMS) PROTECTION SPECIAL PROVISION)



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D160W30-Sht-Staging28-07-ML.dgn  
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 PLOT SCALE = 100.0000' / in.  
 PLOT DATE = 12/4/2014

DESIGNED - NJH	REVISED -
DRAWN - NJH	REVISED -
CHECKED - DBM	REVISED -
DATE - 12/05/14	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

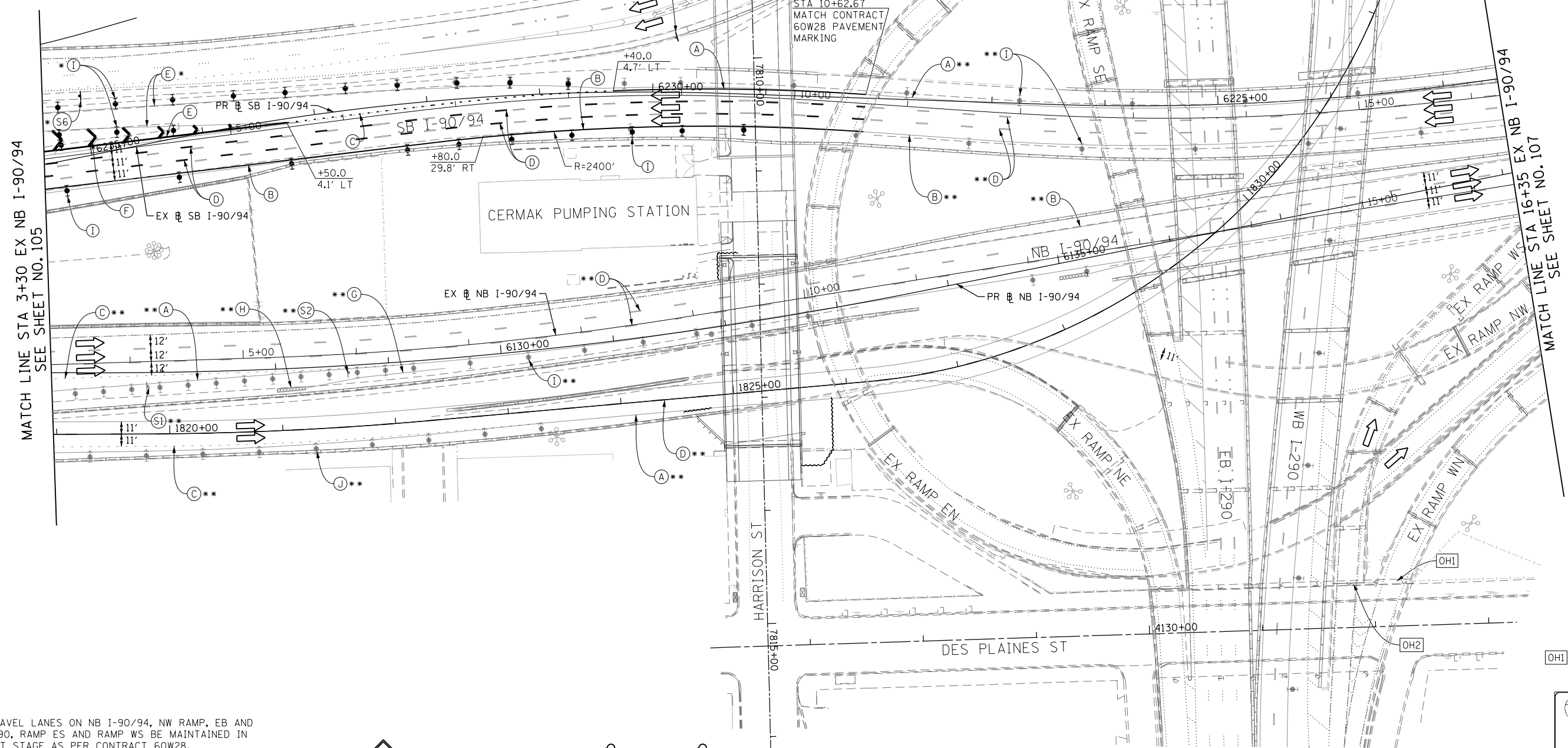
**SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL PLAN**  
**MAINLINE - STAGE 2B**  
 SCALE: 1" = 50' SHEET 7 OF 11 SHEETS STA. 195+00 TO STA. 3+30

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2013-012R	COOK	385	105
CONTRACT NO. 60W30				
ILLINOIS FED. AID PROJECT				

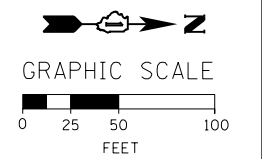
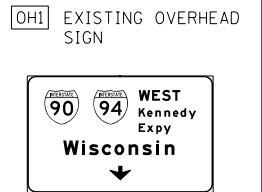
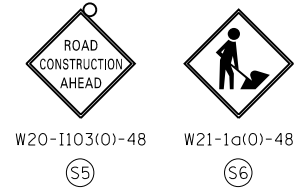
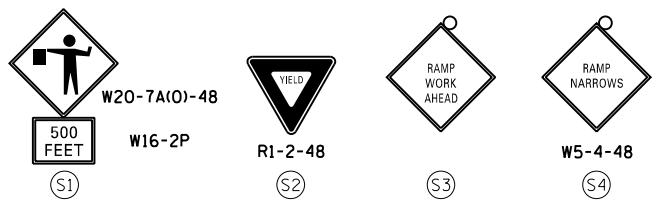
- LEGEND:**
- WORK ZONE
  - TEMPORARY CONCRETE BARRIER
  - TEMPORARY IMPACT ATTENUATOR
  - TEMPORARY SOIL RETENTION SYSTEM OR BRACED EXCAVATION
  - DIRECTION OF TRAFFIC FLOW
  - TYPE III BARRICADE
  - TYPE II BARRICADE OR DRUMS WITH STEADY BURN MONODIRECTIONAL LIGHT
  - DIRECTIONAL INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL SIGN
  - ARROW BOARD
  - REMOVAL LIMITS
  - TEMPORARY PAVEMENT

- PROPOSED TEMP PAVEMENT MARKINGS AND TRAFFIC CONTROL DEVICES**
- (A) TEMP EPOXY PVT MK LINE 4 (SOLID WHITE)
  - (B) TEMP EPOXY PVT MK LINE 4 (SOLID YELLOW)
  - (C) TEMP EPOXY PVT MK LINE 4 (2' DASH 6' SKIP, WHITE)
  - (D) TEMP EPOXY PVT MK LINE 5 (10' DASH 30' SKIP, WHITE)
  - (E) TEMP EPOXY PVT MK LINE 8 (SOLID WHITE)
  - (F) TEMP EPOXY PVT MK LINE 12 (WHITE CHEVRONS @ 45°, 30' SPACING) (TYP)
  - (G) TEMP CONC BARRIER @ 12:1 ON TAPERS UNLESS OTHERWISE NOTED
  - (H) IMP ATTN TEMP FRN TL3
  - (I) TYPE II BARRICADE OR DRUMS WITH STEADY BURN MONODIRECTIONAL LIGHT @ 50' C-C (TYP) ON TAPERS AND RAMP @ 100' C-C (TYP) ON TANGENTS
  - (J) DIRECTIONAL INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT @ 50' C-C
  - (K) REL TEMP CONC BARRIER @ 12:1 ON TAPERS UNLESS OTHERWISE NOTED
  - (L) IMP ATTN REL FRN TL3

\* FROM PREVIOUS STAGE TO REMAIN  
 \*\* FROM CONTRACT 60W28 TO REMAIN



- NOTES:**
- ALL TRAVEL LANES ON NB I-90/94, NW RAMP, EB AND WB I-290, RAMP ES AND RAMP WS BE MAINTAINED IN CURRENT STAGE AS PER CONTRACT 60W28.
  - ALL TRAVEL LANES ON SB I-90/94 SHALL TIE INTO CURRENT STAGE OF CONSTRUCTION OF RAMP NW (CONTRACT 60W28) AND CONFORM TO ALL APPLICABLE IDOT DISTRICT 1 STANDARDS.
  - COOPERATION BETWEEN CONTRACTORS WILL BE REQUIRED. SEE TRAFFIC CONTROL GENERAL NOTES FOR DETAIL.
  - STATION AND OFFSETS SHALL BE FROM THE EXISTING I-90/94 SB AND NB BASELINES.



FILE PATH = CA\Projects\268289727\_Circle\006\_Roadway\_Sheets\16W30-Sht-Staging2B-08-ML.dgn



D:\16W30-Sht-Staging2B-08-ML.dgn  
 USER NAME = holmann  
 PLOT SCALE = 100.0000' / in.  
 PLOT DATE = 10/26/2014

DESIGNED - NJH  
 DRAWN - NJH  
 CHECKED - DBM  
 DATE - 10/24/2014

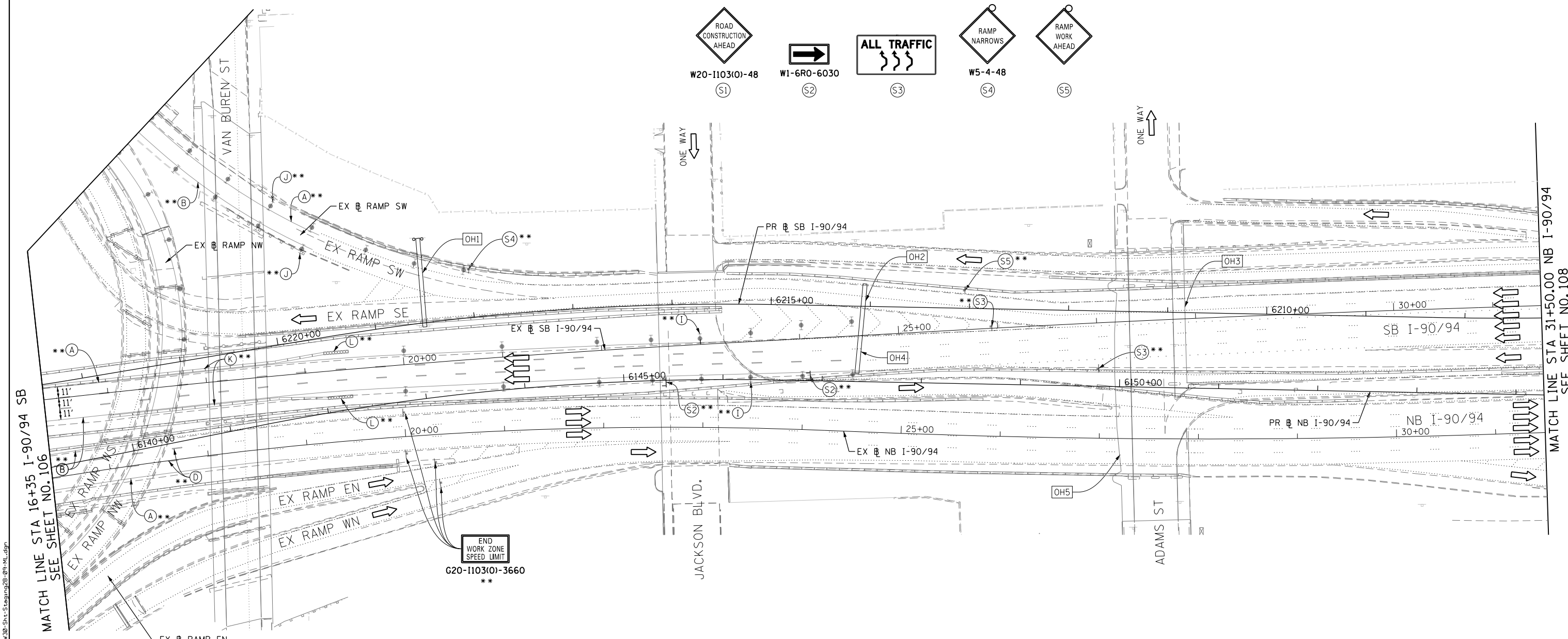
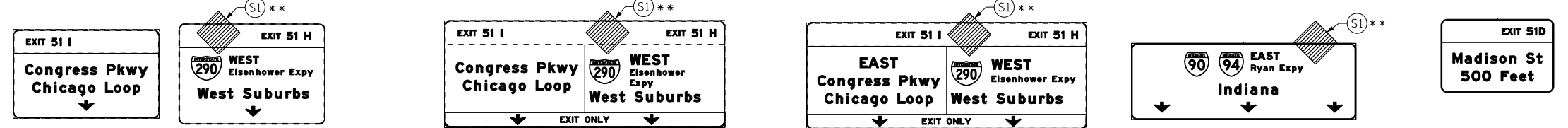
REVISED -  
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 REVISED -  
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STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL PLAN  
 MAINLINE - STAGE 2B  
 SCALE: 1" = 50' SHEET 8 OF 11 SHEETS STA. 3+30 TO STA. 16+35

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2013-012R	COOK	385	106
CONTRACT NO. 60W30			ILLINOIS FED. AID PROJECT	

OH1 EXISTING OVERHEAD SIGNS TO REMAIN SEE CONTRACT 60W28 FOR SIGN DETAIL  
 OH2 EXISTING OVERHEAD SIGNS TO REMAIN SEE CONTRACT 60W28 FOR SIGN DETAIL  
 OH3 EXISTING OVERHEAD SIGNS TO REMAIN SEE CONTRACT 60W28 FOR SIGN DETAIL  
 OH4 EXISTING OVERHEAD SIGN  
 OH5 EXISTING OVERHEAD SIGN



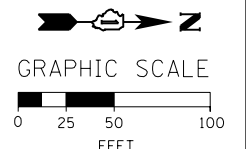
MATCH LINE STA 16+35 I-90/94 SB SEE SHEET NO. 106

MATCH LINE STA 31+50.00 NB I-90/94 SEE SHEET NO. 108

- NOTES:**
- TRAVEL LANES ON NB I-90/94, SB I-90/94, AND RAMP SW SHALL BE MAINTAINED IN CURRENT STAGE AS PER CONTRACT 60W28.
  - COOPERATION BETWEEN CONTRACTORS WILL BE REQUIRED. SEE TRAFFIC CONTROL GENERAL NOTES FOR DETAIL.

- PROPOSED TEMP PAVEMENT MARKINGS AND TRAFFIC CONTROL DEVICES**
- (A) TEMP EPOXY PVT MK LINE 4 (SOLID WHITE)
  - (B) TEMP EPOXY PVT MK LINE 4 (SOLID YELLOW)
  - (C) TEMP EPOXY PVT MK LINE 4 (2' DASH 6' SKIP, WHITE)
  - (D) TEMP EPOXY PVT MK LINE 5 (10' DASH 30' SKIP, WHITE)
  - (E) TEMP EPOXY PVT MK LINE 8 (SOLID WHITE)
  - (F) TEMP EPOXY PVT MK LINE 12 (WHITE CHEVRONS @ 45°, 30' SPACING) (TYP)
  - (G) TEMP CONC BARRIER @ 12:1 ON TAPERS UNLESS OTHERWISE NOTED
  - (H) IMP ATTN TEMP FRN TL3
  - (I) TYPE II BARRICADE OR DRUMS WITH STEADY BURN MONODIRECTIONAL LIGHT @ 50' C-C (TYP) ON TAPERS AND RAMP @ 100' C-C (TYP) ON TANGENTS
  - (J) DIRECTIONAL INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT @ 50' C-C
  - (K) REL TEMP CONC BARRIER @ 12:1 ON TAPERS UNLESS OTHERWISE NOTED
  - (L) IMP ATTN REL FRN TL3

- LEGEND:**
- WORK ZONE
  - TEMPORARY CONCRETE BARRIER
  - TEMPORARY IMPACT ATTENUATOR
  - TEMPORARY SOIL RETENTION SYSTEM OR BRACED EXCAVATION
  - DIRECTION OF TRAFFIC FLOW
  - TYPE III BARRICADE
  - TYPE II BARRICADE OR DRUMS WITH STEADY BURN MONODIRECTIONAL LIGHT
  - DIRECTIONAL INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
  - SIGN
  - ARROW BOARD
  - REMOVAL LIMITS
  - TEMPORARY PAVEMENT



\*\* FROM CONTRACT 60W28 TO REMAIN

FILE PATH = CA\Projects\268288727\_Circle\006\_Roadway\Sheets\1616\30-Sht-Staging2B-09-ML.dgn



D160W30-Sht-Staging2B-09-ML.dgn  
 USER NAME = holmann  
 PLOT SCALE = 100.0000' / in.  
 PLOT DATE = 10/26/2014

DESIGNED - NJH	REVISED -
DRAWN - NJH	REVISED -
CHECKED - DBM	REVISED -
DATE - 10/24/2014	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

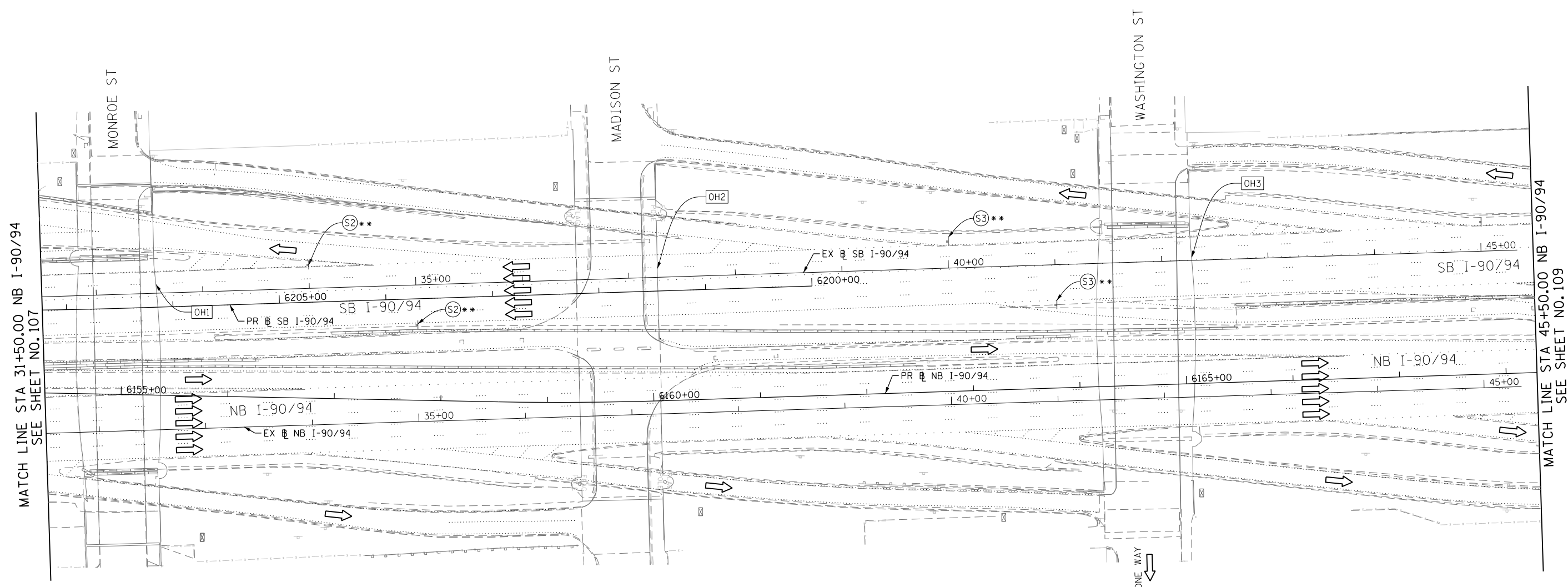
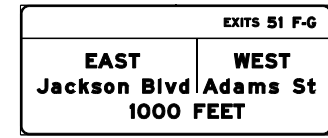
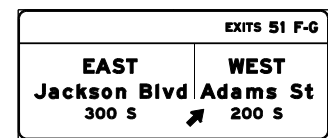
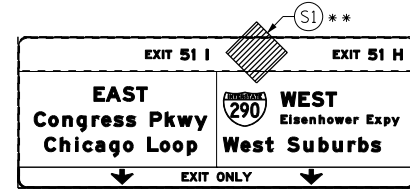
**SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL PLAN**  
**MAINLINE - STAGE 2B**  
 SCALE: 1" = 50' SHEET 9 OF 11 SHEETS STA. 16+35 TO STA. 31+50

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2013-012R	COOK	385	107
CONTRACT NO. 60W30				
ILLINOIS FED. AID PROJECT				

OH1 EXISTING OVERHEAD SIGN TO REMAIN  
SEE CONTRACT 60W26 FOR SIGN DETAIL

OH2 EXISTING OVERHEAD SIGN

OH3 EXISTING OVERHEAD SIGNS



W1-1aL-48

W2-1115(O)-3618  
R2-1-3648  
R10-1108P-3618  
R2-1106-3618

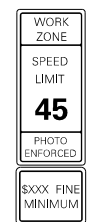
HIT A  
WORKER  
\$10,000 FINE  
14 YRS JAIL

W20-1103(O)-48

W1-1aL-48

S3

S4

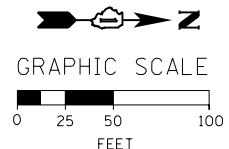


**PROPOSED TEMP PAVEMENT MARKINGS AND TRAFFIC CONTROL DEVICES**

- (A) TEMP EPOXY PVT MK LINE 4 (SOLID WHITE)
- (B) TEMP EPOXY PVT MK LINE 4 (SOLID YELLOW)
- (C) TEMP EPOXY PVT MK LINE 4 (2' DASH 6' SKIP, WHITE)
- (D) TEMP EPOXY PVT MK LINE 5 (10' DASH 30' SKIP, WHITE)
- (E) TEMP EPOXY PVT MK LINE 8 (SOLID WHITE)
- (F) TEMP EPOXY PVT MK LINE 12 (WHITE CHEVRONS @ 45°, 30' SPACING) (TYP)
- (G) TEMP CONC BARRIER @ 12:1 ON TAPERS UNLESS OTHERWISE NOTED
- (H) IMP ATTN TEMP FRN TL3
- (I) TYPE II BARRICADE OR DRUMS WITH STEADY BURN MONODIRECTIONAL LIGHT @ 50' C-C (TYP) ON TAPERS AND RAMP @ 100' C-C (TYP) ON TANGENTS
- (J) DIRECTIONAL INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT @ 50' C-C
- (K) REL TEMP CONC BARRIER @ 12:1 ON TAPERS UNLESS OTHERWISE NOTED
- (L) IMP ATTN REL FRN TL3

**LEGEND:**

- WORK ZONE
- TEMPORARY CONCRETE BARRIER
- TEMPORARY IMPACT ATTENUATOR
- TEMPORARY SOIL RETENTION SYSTEM OR BRACED EXCAVATION
- DIRECTION OF TRAFFIC FLOW
- TYPE III BARRICADE
- TYPE II BARRICADE OR DRUMS WITH STEADY BURN MONODIRECTIONAL LIGHT
- DIRECTIONAL INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- SIGN
- ARROW BOARD
- REMOVAL LIMITS
- TEMPORARY PAVEMENT



**NOTES:**

1. ALL SIGNINGS ON SB I-90/94 SHALL BE COORDINATED ON FIELD WITH CONTRACTORS OF CONTRACT 60W28 AND 60W26.

\*\* FROM CONTRACT 60W28 TO REMAIN



D:\160\30-Sht-Staging2B-10-ML.dgn  
USER NAME = holmann  
PLOT SCALE = 100.0000' / 1" / 1000  
PLOT DATE = 10/26/2014

DESIGNED - NJH  
DRAWN - NJH  
CHECKED - DBM  
DATE - 10/24/2014

REVISED -  
REVISED -  
REVISED -  
REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

**SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL PLAN**  
**MAINLINE - STAGE 2B**

SCALE: 1" = 50' SHEET 10 OF 11 SHEETS STA. 31+50 TO STA. 45+50

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2013-012R	COOK	385	108
CONTRACT NO. 60W30				
ILLINOIS FED. AID PROJECT				

FILE PATH = C:\Projects\2\60W28\727\_Circle\000\_CAD\006\_Roadway\Sheets\160\30-Sht-Staging2B-10-ML.dgn

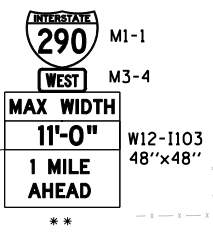
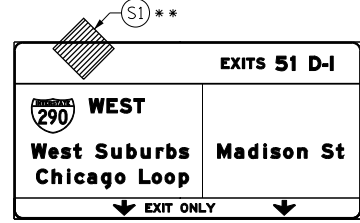




W20-1103(O)-48

(S1)

OH1 EXISTING OVERHEAD SIGN

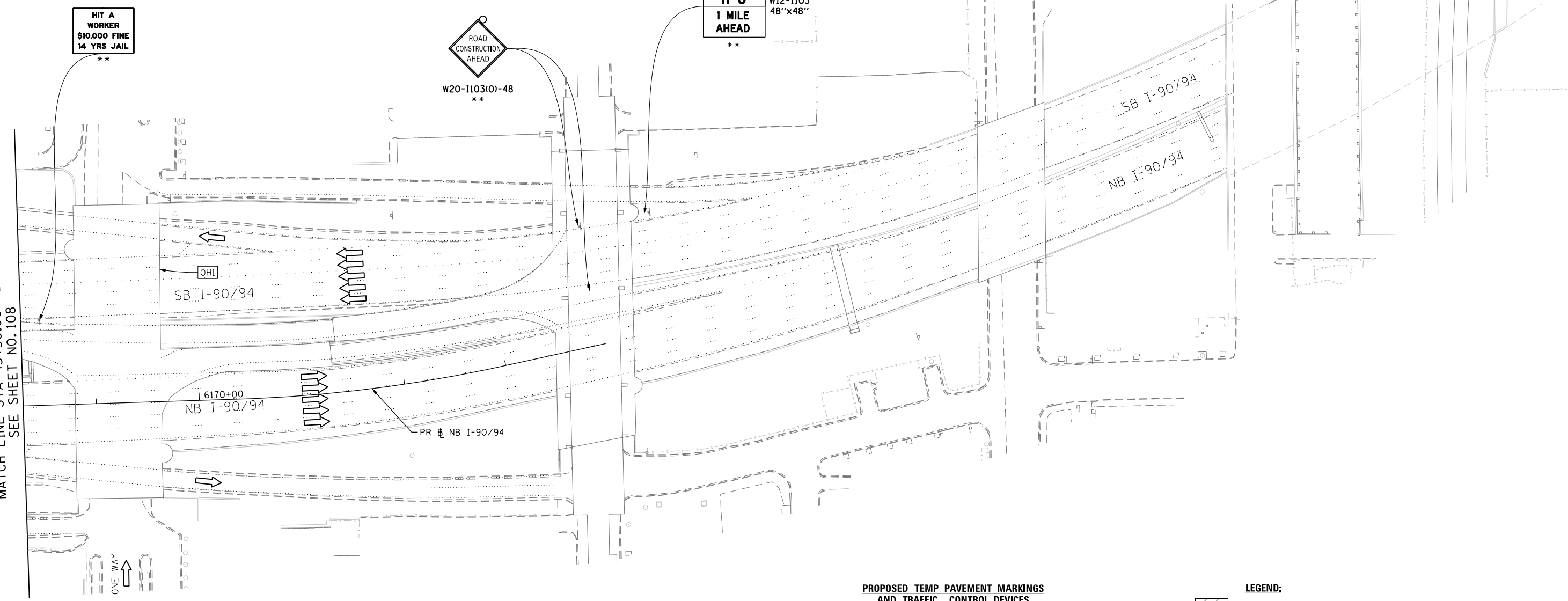


HIT A WORKER \$10,000 FINE 14 YRS JAIL



W20-1103(O)-48

MATCH LINE STA 45+50.00 NB I-90/94 SEE SHEET NO. 108

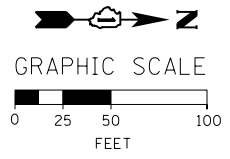


PROPOSED TEMP PAVEMENT MARKINGS AND TRAFFIC CONTROL DEVICES

- A) TEMP EPOXY PVT MK LINE 4 (SOLID WHITE)
B) TEMP EPOXY PVT MK LINE 4 (SOLID YELLOW)
C) TEMP EPOXY PVT MK LINE 4 (2' DASH 6' SKIP, WHITE)
D) TEMP EPOXY PVT MK LINE 5 (10' DASH 30' SKIP, WHITE)
E) TEMP EPOXY PVT MK LINE 8 (SOLID WHITE)
F) TEMP EPOXY PVT MK LINE 12 (WHITE CHEVRONS @ 45°, 30' SPACING) (TYP)
G) TEMP CONC BARRIER @ 12:1 ON TAPERS UNLESS OTHERWISE NOTED
H) IMP ATTN TEMP FRN TL3
I) TYPE II BARRICADE OR DRUMS WITH STEADY BURN MONODIRECTIONAL LIGHT @ 50' C-C (TYP) ON TAPERS AND RAMP @ 100' C-C (TYP) ON TANGENTS
J) DIRECTIONAL INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT @ 50' C-C
K) REL TEMP CONC BARRIER @ 12:1 ON TAPERS UNLESS OTHERWISE NOTED
L) IMP ATTN REL FRN TL3

LEGEND:

- WORK ZONE
TEMPORARY CONCRETE BARRIER
TEMPORARY IMPACT ATTENUATOR
TEMPORARY SOIL RETENTION SYSTEM OR BRACED EXCAVATION
DIRECTION OF TRAFFIC FLOW
TYPE III BARRICADE
TYPE II BARRICADE OR DRUMS WITH STEADY BURN MONODIRECTIONAL LIGHT
DIRECTIONAL INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
SIGN
ARROW BOARD
REMOVAL LIMITS
TEMPORARY PAVEMENT



NOTES:

1. ALL SIGNINGS ON SB I-90/94 SHALL BE COORDINATED ON FIELD WITH CONTRACTORS OF CONTRACT 60W28.

\*\* FROM CONTRACT 60W26 TO REMAIN



USER NAME = holmann
PLOT SCALE = 100.0000' / in.
PLOT DATE = 10/26/2014

Table with columns: DESIGNED, DRAWN, CHECKED, DATE, REVISED, REVISIONS

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL PLAN MAINLINE - STAGE 2B

SCALE: 1" = 50' SHEET 11 OF 11 SHEETS STA. TO STA.

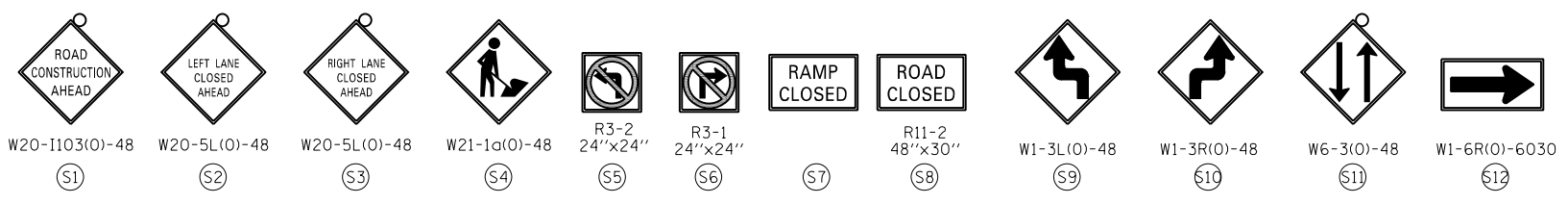
Table with columns: F.A.I. RTE., SECTION, COUNTY, TOTAL SHEETS, SHEET NO., CONTRACT NO. 60W30

FILE PATH = CA\Projects\268268727\_Circle\000\_CAD\006\_Roadway\_Sheets\160W30-Sht-Staging2B-11-ML.dgn

- LEGEND:**
- WORK ZONE
  - TEMPORARY CONCRETE BARRIER AND TEMP CL FENCE SCR N 4
  - TEMPORARY IMPACT ATTENUATOR
  - TEMPORARY SOIL RETENTION SYSTEM OR BRACED EXCAVATION
  - DIRECTION OF TRAFFIC FLOW
  - TYPE III BARRICADE
  - TYPE II BARRICADE OR DRUMS WITH STEADY BURN MONODIRECTIONAL LIGHT IN ONE-WAY OR MULTILANE SECTIONS AND STEADY BURN BIDIRECTIONAL LIGHT IN TWO-LANE, TWO-WAY SECTIONS @ 20' C-C (TYP) ON TAPERS AND @ 50' C-C (TYP) ON TANGENTS
  - DIRECTIONAL INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL SIGN
  - ARROW BOARD
  - REMOVAL LIMITS
  - WORK COMPLETED IN PREVIOUS STAGE

- PROPOSED TEMP PAVEMENT MARKINGS AND TRAFFIC CONTROL DEVICES**
- (A) TEMP EPOXY PVT MK LINE 4 (SOLID WHITE)
  - (B) TEMP EPOXY PVT MK LINE 4 (SOLID YELLOW)
  - (C) TEMP EPOXY PVT MK LINE 4 (2' DASH 6' SKIP, WHITE)
  - (D) TEMP EPOXY PVT MK LINE 5 (10' DASH 30' SKIP, WHITE)
  - (E) TEMP EPOXY PVT MK LINE 8 (SOLID WHITE)
  - (F) TEMP EPOXY PVT MK LINE 12 (WHITE CHEVRONS @ 45°, 30' SPACING) (TYP)
  - (G) TEMP CONC BARRIER @ 12:1 ON TAPERS UNLESS OTHERWISE NOTED
  - (H) IMP ATTN TEMP FRN TL3
  - (I) TYPE II BARRICADE OR DRUMS WITH STEADY BURN MONODIRECTIONAL LIGHT @ 50' C-C (TYP) ON TAPERS AND RAMPS @ 100' C-C (TYP) ON TANGENTS
  - (J) DIRECTIONAL INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT @ 50' C-C
  - (K) REL TEMP CONC BARRIER @ 12:1 ON TAPERS UNLESS OTHERWISE NOTED
  - (L) IMP ATTN REL FRN TL3

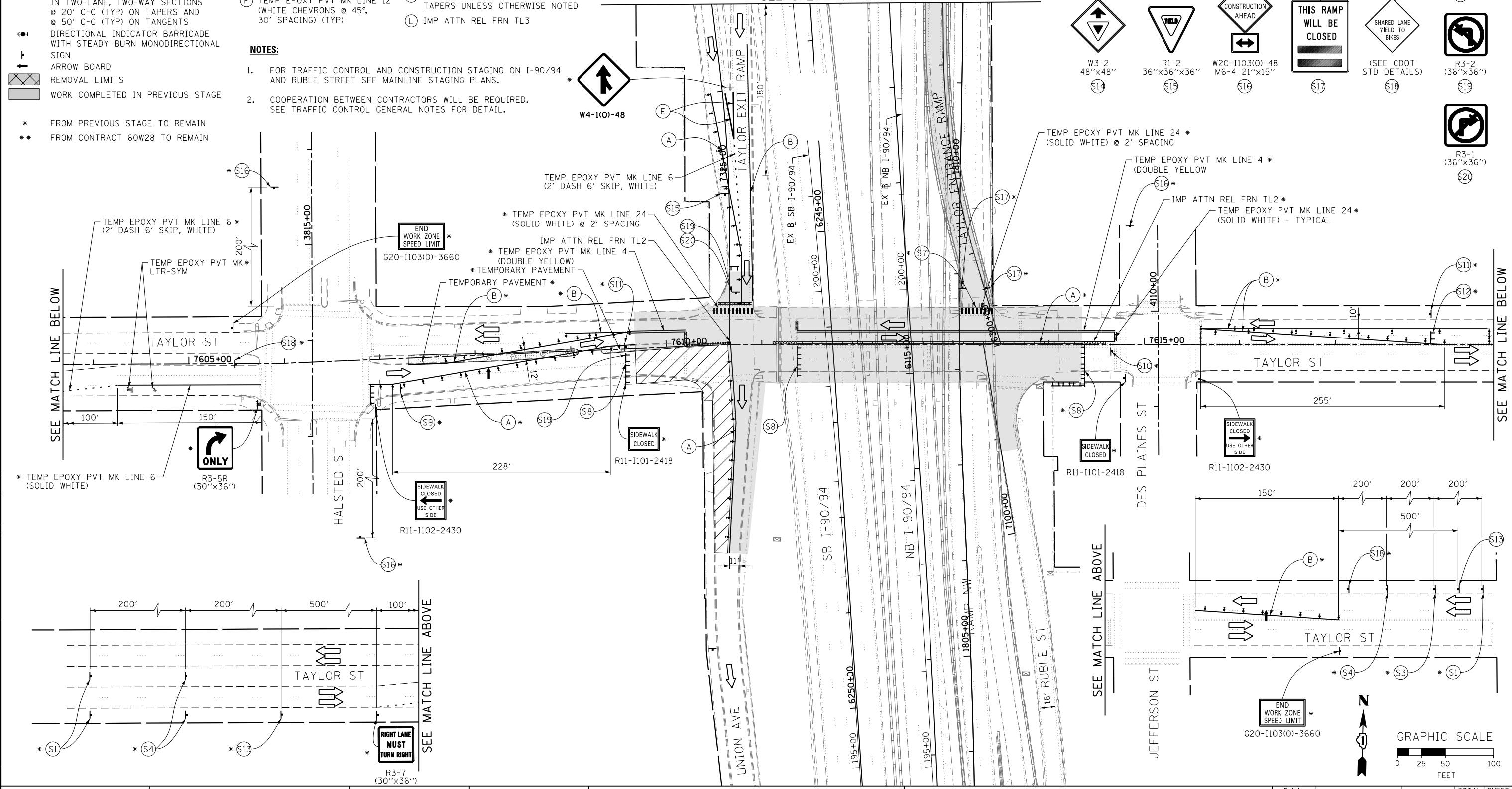
- NOTES:**
- FOR TRAFFIC CONTROL AND CONSTRUCTION STAGING ON I-90/94 AND RUBLE STREET SEE MAINLINE STAGING PLANS.
  - COOPERATION BETWEEN CONTRACTORS WILL BE REQUIRED. SEE TRAFFIC CONTROL GENERAL NOTES FOR DETAIL.



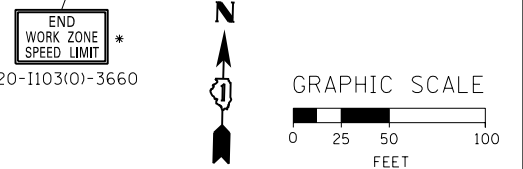
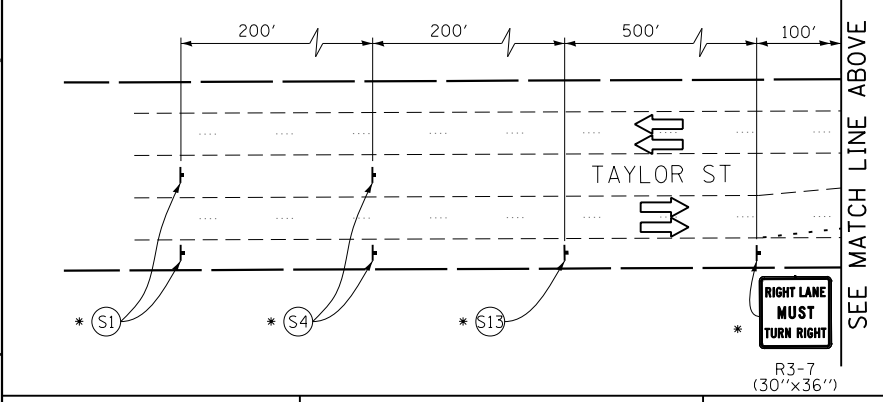
WORK ZONE
SPEED LIMIT
30
PHOTO ENFORCED
SIXX FINE MINIMUM

W2-1115(0)-3618  
R2-1-3648  
R10-1108p-3618  
R2-1106-3618

MATCH LINE STA 203+00.00 NB I-90/94  
SEE SHEET NO 111



\* TEMP EPOXY PVT MK LINE 6 (SOLID WHITE)  
R3-5R (30"x36")



D160W30-Sht-Staging2C-01-Taylor.dgn  
USER NAME = holmann  
PLOT SCALE = 100.0000' / in.  
PLOT DATE = 10/26/2014

DESIGNED	-	NJH	REVISED	-
DRAWN	-	NJH	REVISED	-
CHECKED	-	DBM	REVISED	-
DATE	-	10/24/2014	REVISED	-

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

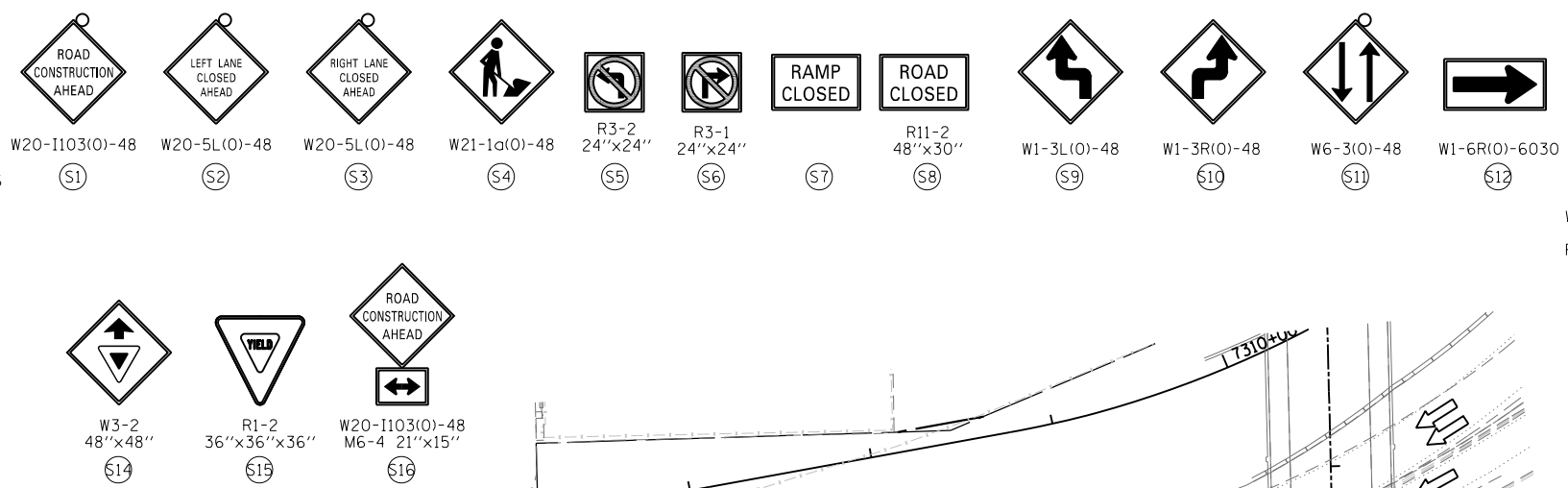
**SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL PLAN  
TAYLOR STREET - STAGE 2C**

SCALE: 1" = 50' SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2013-012R	COOK	385	110
CONTRACT NO. 60W30				
ILLINOIS FED. AID PROJECT				

- LEGEND:**
- WORK ZONE
  - TEMPORARY CONCRETE BARRIER AND TEMP CL FENCE SCR N 4
  - TEMPORARY IMPACT ATTENUATOR
  - TEMPORARY SOIL RETENTION SYSTEM OR BRACED EXCAVATION
  - DIRECTION OF TRAFFIC FLOW
  - TYPE III BARRICADE
  - TYPE II BARRICADE OR DRUMS WITH STEADY BURN MONODIRECTIONAL LIGHT IN ONE-WAY OR MULTILANE SECTIONS AND STEADY BURN BIDIRECTIONAL LIGHT IN TWO-LANE, TWO-WAY SECTIONS @ 20' C-C (TYP) ON TAPERS AND @ 50' C-C (TYP) ON TANGENTS
  - DIRECTIONAL INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL SIGN
  - ARROW BOARD
  - REMOVAL LIMITS
  - WORK COMPLETED IN PREVIOUS STAGE

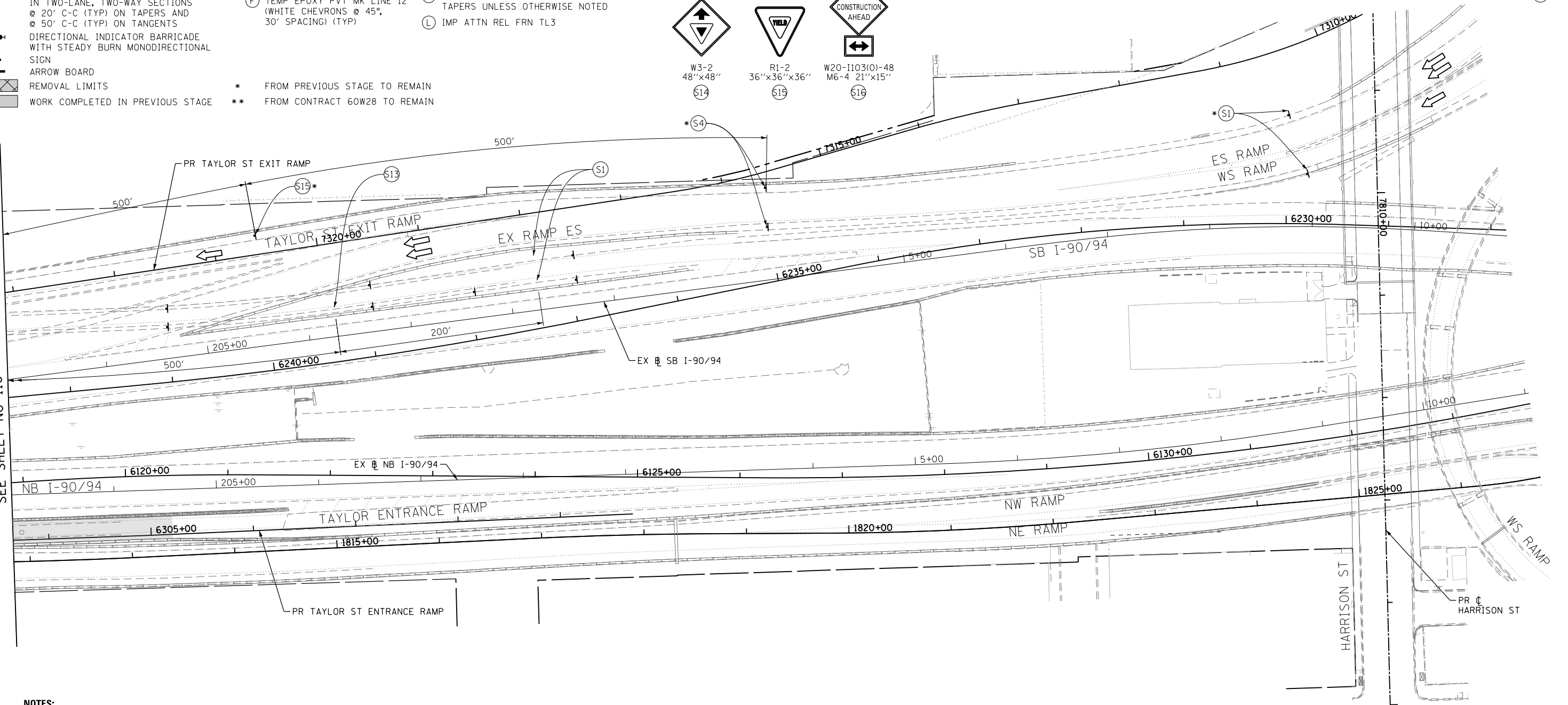
- PROPOSED TEMP PAVEMENT MARKINGS AND TRAFFIC CONTROL DEVICES**
- (A) TEMP EPOXY PVT MK LINE 4 (SOLID WHITE)
  - (B) TEMP EPOXY PVT MK LINE 4 (SOLID YELLOW)
  - (C) TEMP EPOXY PVT MK LINE 4 (2' DASH 6' SKIP, WHITE)
  - (D) TEMP EPOXY PVT MK LINE 5 (10' DASH 30' SKIP, WHITE)
  - (E) TEMP EPOXY PVT MK LINE 8 (SOLID WHITE)
  - (F) TEMP EPOXY PVT MK LINE 12 (WHITE CHEVRONS @ 45°, 30' SPACING) (TYP)
  - (G) TEMP CONC BARRIER @ 12:1 ON TAPERS UNLESS OTHERWISE NOTED
  - (H) IMP ATTN TEMP FRN TL3
  - (I) TYPE II BARRICADE OR DRUMS WITH STEADY BURN MONODIRECTIONAL LIGHT @ 50' C-C (TYP) ON TAPERS AND RAMP @ 100' C-C (TYP) ON TANGENTS
  - (J) DIRECTIONAL INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT @ 50' C-C
  - (K) REL TEMP CONC BARRIER @ 12:1 ON TAPERS UNLESS OTHERWISE NOTED
  - (L) IMP ATTN REL FRN TL3



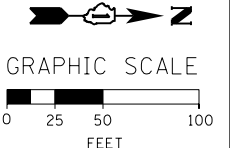
WORK ZONE  
SPEED LIMIT  
**30**  
PHOTO ENFORCED  
XXXX FINE MINIMUM

W2-1115(0)-3618  
R2-1-3648  
R10-1108d-3618  
R2-1106-3618  
S13

MATCH LINE STA 203+00.00 NB I-90/94 SEE SHEET NO 110



- NOTES:**
- FOR TRAFFIC CONTROL AND CONSTRUCTION STAGING ON I-90/94 SEE MAINLINE STAGING PLANS.
  - COOPERATION BETWEEN CONTRACTORS WILL BE REQUIRED. SEE TRAFFIC CONTROL GENERAL NOTES FOR DETAIL.



D160W30-Sht-Staging2C-02-Taylor.dgn	DESIGNED - NJH	REVISED -
USER NAME = holmann	DRAWN - NJH	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - DBM	REVISED -
PLOT DATE = 10/26/2014	DATE - 10/24/2014	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL PLAN  
TAYLOR STREET - STAGE 2C**

SCALE: 1" = 50' SHEET 2 OF 2 SHEETS STA. TO STA.






F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2013-012R	COOK	385	111
CONTRACT NO. 60W30				
ILLINOIS FED. AID PROJECT				

## EROSION CONTROL GENERAL NOTES



1. THE CONSTRUCTION LIMITS WILL BE STAKED AND APPROVED BY THE ENGINEER PRIOR TO COMMENCING CONSTRUCTION. THE CONSTRUCTION LIMITS MAY BE ADJUSTED BY THE ENGINEER TO PRESERVE TREES AND NO ADDITIONAL COMPENSATION WILL BE PAID TO THE CONTRACTOR FOR CHANGES IN CONSTRUCTION LIMITS.
2. EROSION CONTROL ITEMS ARE CONSIDERED HIGH PRIORITY ITEMS IN THIS CONTRACT. THE ENGINEER WILL IMPLEMENT ALL PROVISIONS OF SPECIFICATION NECESSARY TO ASSURE THAT EROSION CONTROL ITEMS ARE CONSTRUCTED AND MAINTAINED IN A TIMELY MANNER. THE CONTRACTOR SHALL INSTALL TEMPORARY EROSION CONTROL MEASURES PRIOR TO THE START OF CONSTRUCTION OPERATIONS WHICH WILL POTENTIALLY CREATE ERODIBLE CONDITIONS. PLACEMENT AND MAINTENANCE OF TEMPORARY EROSION CONTROL SYSTEMS WILL BE UTILIZED THROUGHOUT THE CONSTRUCTION LIMITS.
3. TEMPORARY EROSION CONTROL MEASURES SHALL BE CONSTRUCTED AS SHOWN ON THE PLANS AND AS DIRECTED BY THE ENGINEER. THE WORK SHALL BE COMPLETED IN ACCORDANCE WITH SECTION 280 OF THE STANDARD SPECIFICATIONS, CONTRACT SPECIAL PROVISIONS AND THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP).
4. THE CONTRACTOR SHALL UTILIZE THE GENERAL MAINTENANCE GUIDELINES AS OUTLINED IN THE SWPPP TO ENSURE GOOD AND EFFECTIVE OPERATING CONDITION OF THE VEGETATION AND EROSION AND SEDIMENT CONTROL MEASURES.
5. A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN SHALL BE MAINTAINED ON SITE. ALL CHANGES TO THE SOIL EROSION AND SEDIMENT CONTROL PLAN SHALL BE NOTED ON THE SITE.
6. THE CONTRACTOR SHALL PERFORM ALL WORK AS DIRECTED BY THE ENGINEER AND AS SHOWN IN HIGHWAY STANDARD 280001-07.
7. THE EROSION CONTROL MEASURES SHOWN ARE BUT A GRAPHICAL REPRESENTATION OF SUGGESTED MEASURES. DEVIATIONS FROM THIS PLAN ARE TO BE EXPECTED PENDING A JOBSITE INSPECTION BETWEEN THE CONTRACTOR AND THE DEPARTMENT.
8. THE CONTRACTOR WILL BE REQUIRED TO IMPLEMENT AND MAINTAIN SEDIMENT CONTROL MEASURES PRIOR TO STRIPPING EXISTING VEGETATION.
9. THE CONTRACTOR SHALL INSPECT ALL EROSION AND SEDIMENT CONTROL MEASURES WEEKLY AND AFTER EACH RAINFALL, 0.5 INCHES OR GREATER IN A 24 HOUR PERIOD, OR EQUIVALENT SNOWFALL. ADDITIONALLY DURING WINTER MONTHS, ALL MEASURES SHOULD BE CHECKED AFTER EACH SIGNIFICANT SNOWMELT. ANY NECESSARY REPAIRS OR CLEANUP TO MAINTAIN THE EFFECTIVENESS OF SAID MEASURES SHALL BE MADE IMMEDIATELY.
10. TEMPORARY EROSION CONTROL SEEDING SHALL BE APPROVED PER SUB-STAGE AS SOON AS ROUGH GRADING IS COMPLETED IN A SECTION. STABILIZATION OF DISTURBED AREAS MUST BE INITIATED WITHIN 1 WORKING DAY OF TEMPORARY OR PERMANENT CESSATION OF EARTH DISTURBING ACTIVITIES AND SHALL BE COMPLETED AS SOON AS POSSIBLE BUT NO LATER THAN 14 DAYS FROM THE INITIATION OF STABILIZATION OF WORK IN AN AREA. TEMPORARY EROSION CONTROL SEEDING SHALL NOT BE USED BETWEEN SEPTEMBER 30<sup>TH</sup> TO APRIL 15<sup>TH</sup>.
11. IN THE WINTER MONTHS WHEN TEMPORARY SEED WILL NOT GERMINATE (SEPTEMBER 30<sup>TH</sup> THROUGH APRIL 15<sup>TH</sup>), MULCH, METHOD 2 AND SURFACE ROUGHENING SHALL BE USED FOR TEMPORARY STABILIZATION INSTEAD OF TEMPORARY EROSION CONTROL SEEDING. SURFACE ROUGHENING WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF MULCH, METHOD 2.
12. ANY AREA WHERE THERE IS NO PROPOSED GRADING, THE EXISTING GROUND COVER SHALL REMAIN.
13. TEMPORARY STOCKPILE LOCATIONS SHALL BE APPROVED BY THE ENGINEER AND WILL REQUIRE SILT FENCE AND TEMPORARY SEEDING.

14. THE CONTRACTOR SHALL INSTALL, MAINTAIN AND ROUTINELY CLEAN INLET FILTERS AT ALL EXISTING OPEN LID DRAINAGE STRUCTURES ADJACENT TO THE EDGE OF PAVEMENT PRIOR TO THE START OF PRE-STAGE WORK. THE INLET FILTERS SHALL BE MAINTAINED AND CLEANED AT EACH SUBSEQUENT STAGE UNTIL NO LONGER REQUIRED OR AS DIRECTED BY THE ENGINEER. THE INSTALLATION, MAINTENANCE AND ROUTINE CLEANING OF INLET FILTERS ARE INCLUDED IN THE COST OF INLET FILTERS.
15. THE CONTRACTOR SHALL IMMEDIATELY INSTALL, MAINTAIN AND ROUTINELY CLEAN INLET FILTERS AT ALL NEW OPEN LID DRAINAGE STRUCTURES. THE INLET FILTERS SHALL BE MAINTAINED AND CLEANED AT EACH SUBSEQUENT STAGE UNTIL COMPLETION OF STAGING OR UNTIL NO LONGER REQUIRED. THE INSTALLATION, MAINTENANCE AND ROUTINE CLEANING OF INLET FILTERS ARE INCLUDED IN THE COST OF INLET FILTERS.
16. IT IS INTENDED THAT THE CONTRACTOR FOR TAYLOR STREET BRIDGE, CONTRACT 60W30, TAKES OVER THE MAINTENANCE AND CLEANING OF INLET FILTERS FOR ALL OPEN LID DRAINAGE STRUCTURES ALONG RAMP NW UNDER THE TAYLOR STREET BRIDGE AFTER THE COMPLETION OF THE NORTHWEST FLYOVER BRIDGE, CONTRACT 60W28. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE PROJECT.
17. DURING CONSTRUCTION OPERATIONS, WHEN ANY LOOSE MATERIAL IS DEPOSITED IN THE FLOW LINE OF DITCHES, GUTTERS OR DRAINAGE STRUCTURES SO THAT THE NATURAL FLOW OF WATER IS OBSTRUCTED, THE MATERIAL SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY.
18. AT THE CONCLUSION OF CONSTRUCTION OPERATIONS, ALL DRAINAGE STRUCTURES SHALL BE FREE FROM DIRT AND DEBRIS. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE PROJECT.
19. LOCATIONS OF THE STABILIZED CONSTRUCTION ENTRANCES/EXITS SHALL BE DETERMINED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER. THE INSTALLATION OF THE ENTRANCE/EXITS SHALL BE IN ACCORDANCE WITH THE ILLINOIS URBAN MANUAL OR AS DIRECTED BY THE ENGINEER. ALL WORK ASSOCIATED WITH INSTALLATION AND MAINTENANCE OF STABILIZATION CONSTRUCTION ENTRANCE AND CONCRETE WASHOUTS ARE INCIDENTAL TO THE CONTRACT. NO ADDITIONAL COMPENSATION SHALL BE ALLOWED.
20. TEMPORARY OR PERMANENT STABILIZATION SHALL BE INSTALLED ON ALL AREAS DISTURBED DURING EACH STAGE OF CONSTRUCTION PRIOR TO SWITCHING TRAFFIC TO BEGIN THE SUBSEQUENT STAGE. ALSO, ALL EROSION CONTROL MEASURES PLACED DURING CONSTRUCTION SHALL REMAIN IN PLACE AND BE MAINTAINED UNTIL COMPLETION OF STAGE 3 OR NO LONGER REQUIRED.
21. A QUANTITY OF 100 FEET OF EXPLORATION TRENCH 72" DEPTH HAS BEEN INCLUDED IN THE PLANS FOR THE PURPOSE OF IDENTIFYING ANY BURIED OBSTACLE. THE ENGINEER SHALL APPROVE THE LOCATIONS OF THE EXPLORATION TRENCH 72" DEPTH BEFORE ANY EXCAVATION MAY BEGIN.

## TEMPORARY EROSION CONTROL LEGEND

-  INLET FILTER
-  INLET FILTER (TO REMAIN FROM PREVIOUS STAGE)
-  TREE TRUNK PROTECTION
-  PERIMETER EROSION BARRIER
-  MULCH, METHOD 2  
TEMPORARY EROSION CONTROL SEEDING OR  
SURFACE ROUGHENING (SEE NOTE 11)
- LIMITS OF CONSTRUCTION

## PERMANENT EROSION CONTROL LEGEND

-  EROSION CONTROL BLANKET  
SEEDING, CLASS 2A  
NITROGEN FERTILIZER NUTRIENT  
POTASSIUM FERTILIZER NUTRIENT
-  SODDING, SALT TOLERANT  
TOPSOIL FURNISH AND PLACE, 4"
- LIMITS OF CONSTRUCTION

### NOTE:

BOXED ITEMS ARE INCLUDED IN THE COST OF THE CONTRACT.

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D160W30-sht-Eros-Notes.dgn  
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 PLOT DATE = 10/24/2014

DESIGNED - AFC  
 DRAWN - AFC  
 CHECKED - NUJ  
 DATE - 10/24/2014

REVISED -  
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 REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

EROSION CONTROL GENERAL NOTES

SCALE: NTS SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2013-012R	COOK	385	112
CONTRACT NO. 60W30				
ILLINOIS FED. AID PROJECT				

**TEMPORARY EROSION CONTROL SCHEDULE**

STAGES	TREE TRUNK PROTECTION	MULCH, METHOD 2	TEMPORARY EROSION CONTROL SEEDING	PERIMETER EROSION BARRIER	INLET FILTERS	DUST CONTROL WATERING
	EACH	ACRE	POUND	FOOT	EACH	UNIT
STAGE 1	-	0.08	289	550	20	1.2
STAGE 2	5	0.20	714	432	21	2.9
ROUNDED TOTAL	5	0.50	1003	982	41	4.1

**INLET FILTERS SCHEDULE (STAGE 1A-1C)**

STAGE	LOCATION		BASELINE	AMOUNT
	STATION	OFFSET		(EACH)
1A-1C	7609+44.31	29.89' LT	P-TAY-CL	1
	7611+02.95	27.24' LT	P-TAY-CL	1
	7611+15.01	25.25' LT	P-TAY-CL	1
	7612+73.01	25.25' LT	P-TAY-CL	1
	7614+13.26	27.03' LT	P-TAY-CL	1
	199+96.68	43.29' LT	E-KDR-SB	1
	199+91.32	43.01' LT	E-KDR-SB	1
	199+76.34	55.37' LT	E-KDR-SB	1
	199+75.02	44.49' LT	E-KDR-SB	1
	199+61.34	44.96' LT	E-KDR-SB	1
	201+02.54	34.39' RT	E-KDR-SB	1
	199+92.39	35.44' RT	E-KDR-SB	1
	199+62.94	34.28' RT	E-KDR-SB	1
	199+98.33	41.41' RT	E-KDR-SB	1
	201+01.04	30.76' LT	E-KDR-NB	1
	199+92.74	32.29' LT	E-KDR-NB	1
	199+64.19	31.36' LT	E-KDR-NB	1
	201+03.57	22.49' RT	E-KDR-NB	1
	6301+93.88	2.94' RT	P-TAY-NT	1
	6304+65.29	2.56' RT	P-TAY-NT	1
TOTAL				20

**PERMANENT EROSION CONTROL SCHEDULE**

PERMANENT CONDITION	TOPSOIL FURNISH AND PLACE, 4"	SEEDING, CLASS 2A	NITROGEN FERTILIZER NUTRIENT	POTASSIUM FERTILIZER NUTRIENT	EROSION CONTROL BLANKET	SODDING, SALT TOLERANT	SUPPLEMENTAL WATERING
	SQ YD	ACRE	POUND	POUND	SQ YD	SQ YD	UNIT
PERMANENT CONDITION	913	0.50	27	27	1417	913	35.6
ROUNDED TOTAL	913	0.50	27	27	1417	913	35.6

**INLET FILTERS SCHEDULE (STAGE 2A-2C)**

STAGE	LOCATION		BASELINE	AMOUNT
	STATION	OFFSET		(EACH)
2A-2C	7609+71.43	27.82' RT	P-TAY-CL	1
	7609+70.27	22.86' RT	P-TAY-CL	1
	7610+46.06	113.74' RT	P-TAY-CL	1
	7610+43.00	213.56' RT	P-TAY-CL	1
	7611+00.79	27.13' RT	P-TAY-CL	1
	7611+18.02	25.09' RT	P-TAY-CL	1
	7613+03.40	25.29' RT	P-TAY-CL	1
	7613+15.99	25.29' RT	P-TAY-CL	1
	7101+29.46	22.48' RT	P-RUB-BL	1
	199+29.48	44.35' LT	E-KDR-SB	1
	199+22.12	60.27' LT	E-KDR-SB	1
	199+10.07	61.59' LT	E-KDR-SB	1
	199+05.09	50.25' LT	E-KDR-SB	1
	198+51.05	47.37' LT	E-KDR-SB	1
	197+28.75	45.72' LT	E-KDR-SB	1
	197+81.72	34.12' RT	E-KDR-SB	1
	198+50.00	45.00' LT	E-KDR-SB	1
	198+96.97	31.31' LT	E-KDR-NB	1
	197+85.73	31.16' LT	E-KDR-NB	1
	198+92.58	39.89' RT	E-KDR-NB	1
1807+89.98	28.71' RT	P-CIR-NW	1	
TOTAL				21

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 PLOT SCALE = 100.0000' / in.  
 PLOT DATE = 12/4/2014

DESIGNED - AFC  
 DRAWN - AFC  
 CHECKED - DBM  
 DATE - 12/05/14

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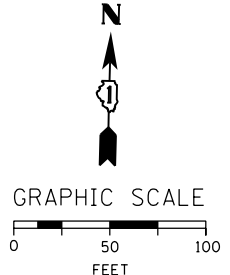
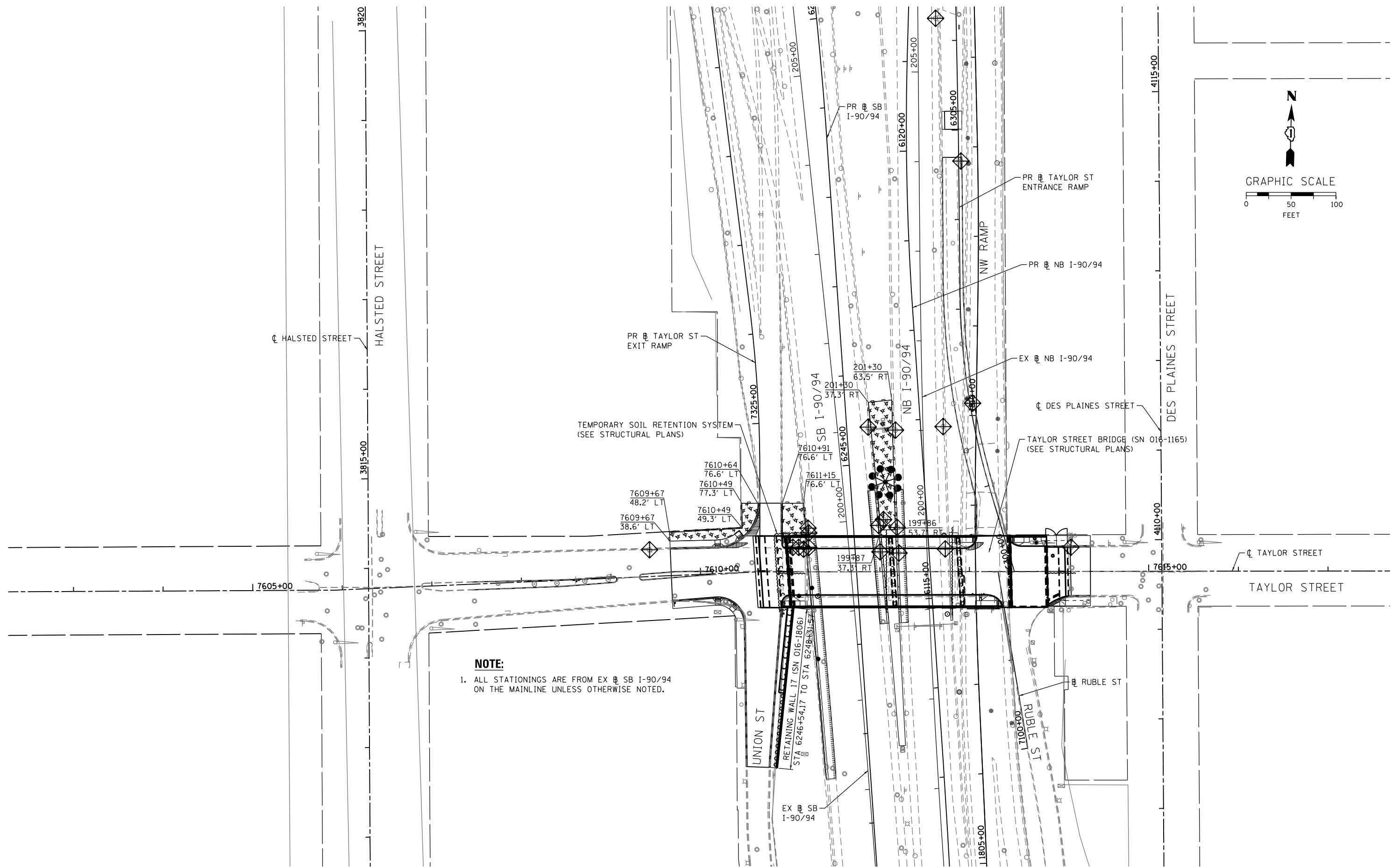
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**EROSION CONTROL SCHEDULES**

SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2013-012R	COOK	385	113
ILLINOIS FED. AID PROJECT			CONTRACT NO. 60W30	

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**NOTE:**  
1. ALL STATIONINGS ARE FROM EX # SB I-90/94 ON THE MAINLINE UNLESS OTHERWISE NOTED.



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DATE - 12/05/14

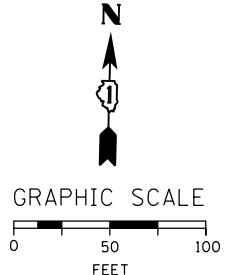
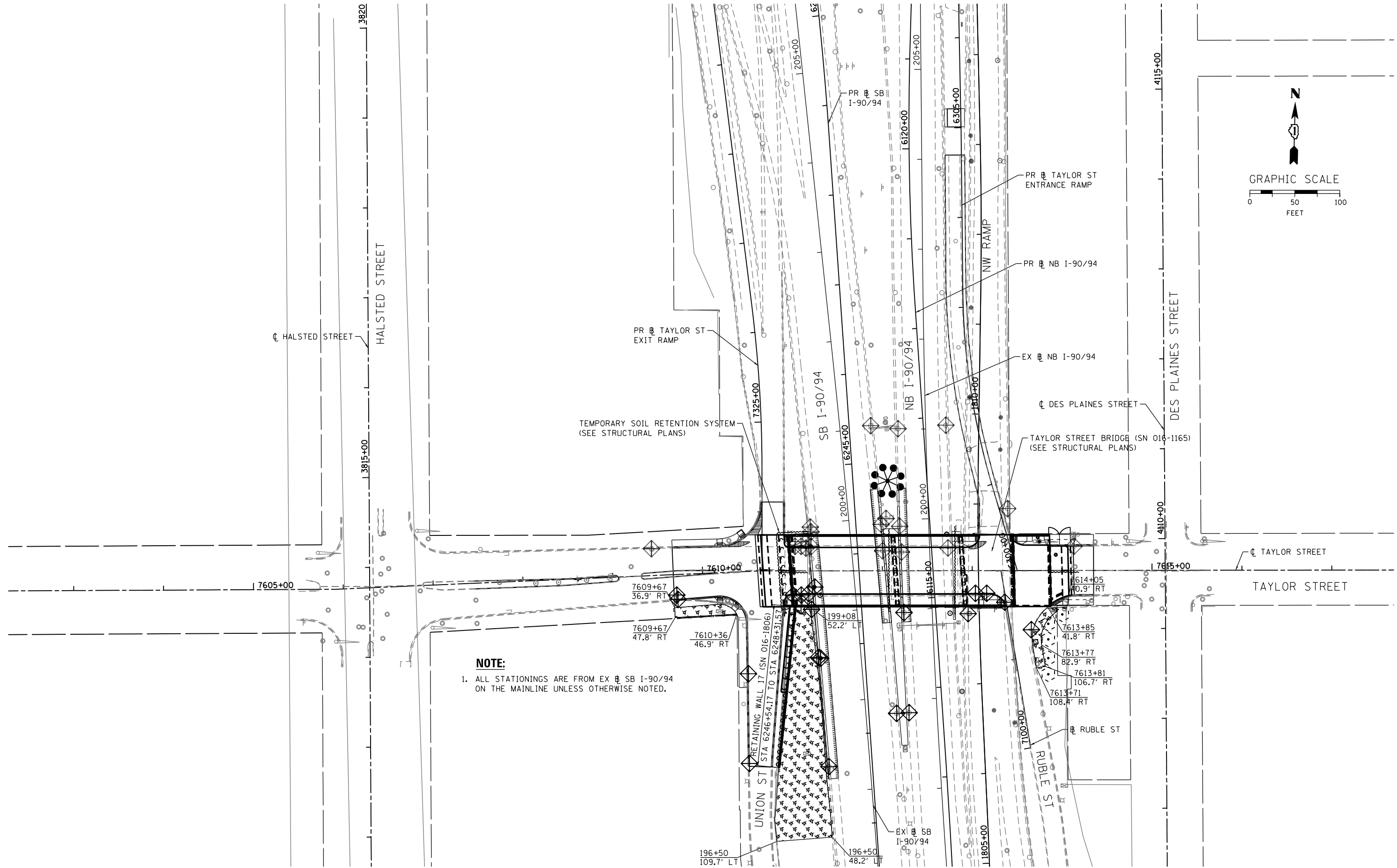
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EROSION AND SEDIMENTATION CONTROL PLAN  
STAGES 1A - 1C**  
SCALE: 1" = 50'  
SHEET 1 OF 1 SHEETS  
STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2013-012R	COOK	385	114
CONTRACT NO. 60W30				
ILLINOIS FED. AID PROJECT				

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**NOTE:**  
1. ALL STATIONINGS ARE FROM EX NB I-90/94 ON THE MAINLINE UNLESS OTHERWISE NOTED.



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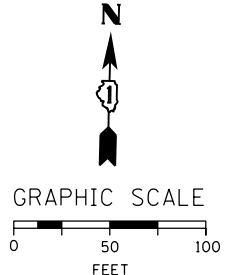
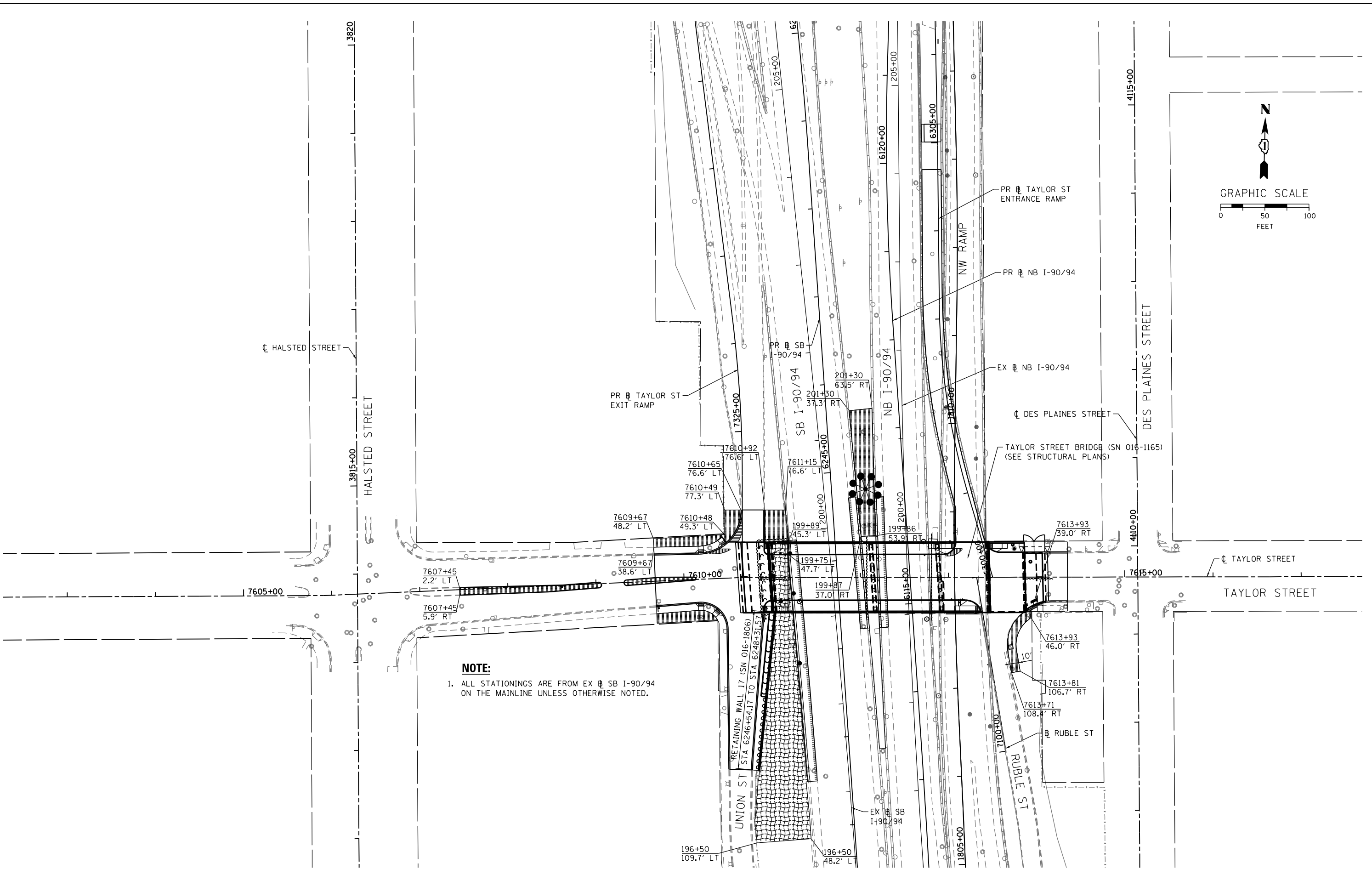
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EROSION AND SEDIMENTATION CONTROL PLAN  
STAGES 2A - 2C**

SCALE: 1" = 50' SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 60W30				
ILLINOIS FED. AID PROJECT				

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**NOTE:**  
 1. ALL STATIONINGS ARE FROM EX # SB I-90/94 ON THE MAINLINE UNLESS OTHERWISE NOTED.



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DATE - 12/05/14	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**PERMANENT EROSION AND SEDIMENTATION CONTROL PLAN**

SCALE: 1" = 50' SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2013-012R	COOK	385	116
CONTRACT NO. 60W30				

ILLINOIS FED. AID PROJECT

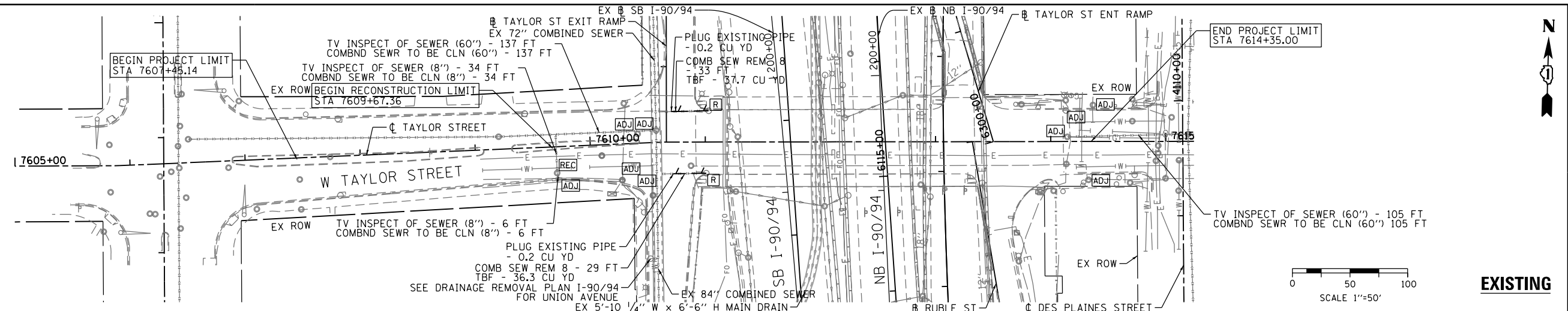


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BY	
PLAN	SURVEYED
NOTE BOOK NO.	PLOTTED
	ALIGNMENT CHECKED
	ADDED FILE NAME

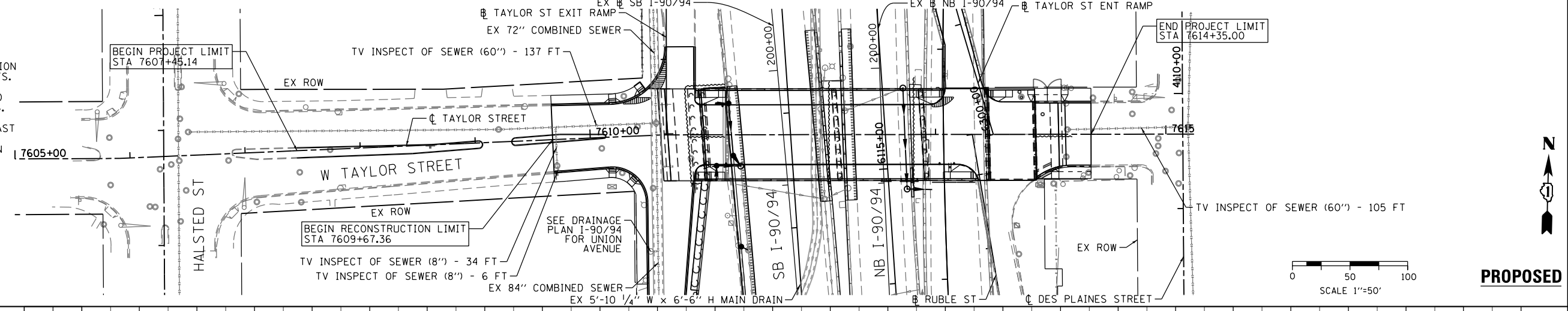
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BY	
PROFILE	SURVEYED
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	STRUCTURE NOTATIONS OK'D

NOTES:  
1. EXISTING SEWER IS TO BE TELEVIEWED BEFORE AND AFTER CONSTRUCTION.

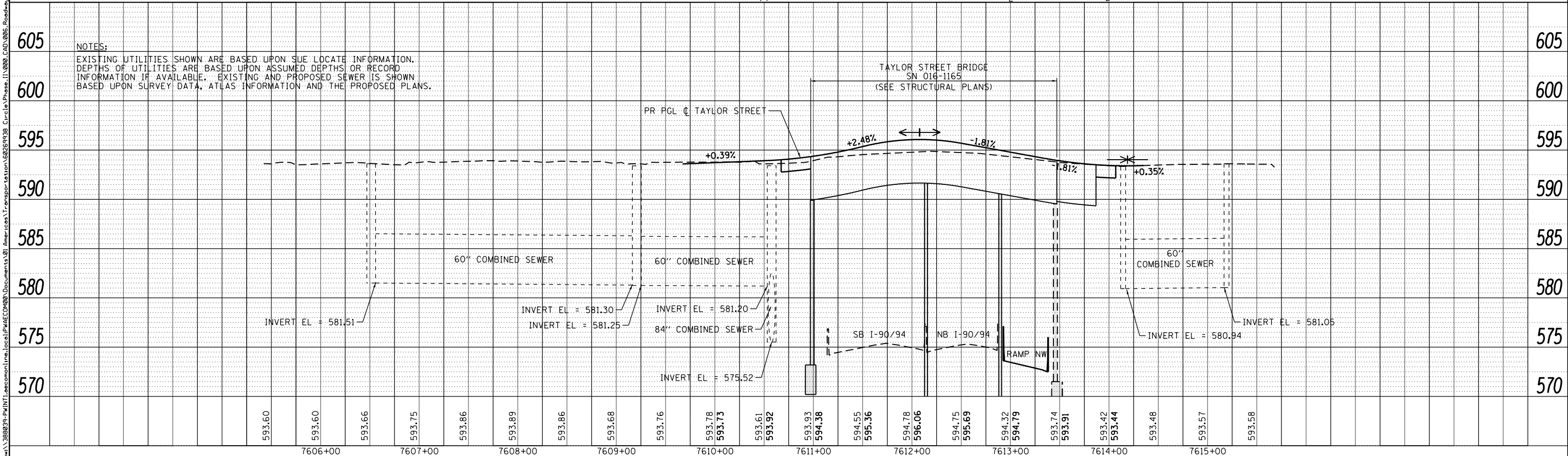
**LEGEND**  
 [ADJ] TO BE ADJUSTED  
 [REC] TO BE RECONSTRUCTED  
 [R] TO BE REMOVED



NOTES:  
1. SEE TRAFFIC SIGNAL, LIGHTING AND ITS PLANS FOR REMOVAL AND CONSTRUCTION OF STRUCTURES, DUCTBANKS AND CONDUITS.  
2. SEE TAYLOR STREET BRIDGE (SN 016-1165) PLANS FOR DRAINAGE SCUPPER LOCATIONS. THE CONTRACTOR SHALL COORDINATE THE DRAINAGE SYSTEM CONNECTION BY THE EAST ABUTMENT WITH THE CONTRACTOR FROM CONTRACT 60W28. COOPERATION BETWEEN THE CONTRACTORS WILL BE REQUIRED.



NOTES:  
EXISTING UTILITIES SHOWN ARE BASED UPON SUE LOCATE INFORMATION. DEPTHS OF UTILITIES ARE BASED UPON ASSUMED DEPTHS OR RECORD INFORMATION IF AVAILABLE. EXISTING AND PROPOSED SEWER IS SHOWN BASED UPON SURVEY DATA, ATLAS INFORMATION AND THE PROPOSED PLANS.



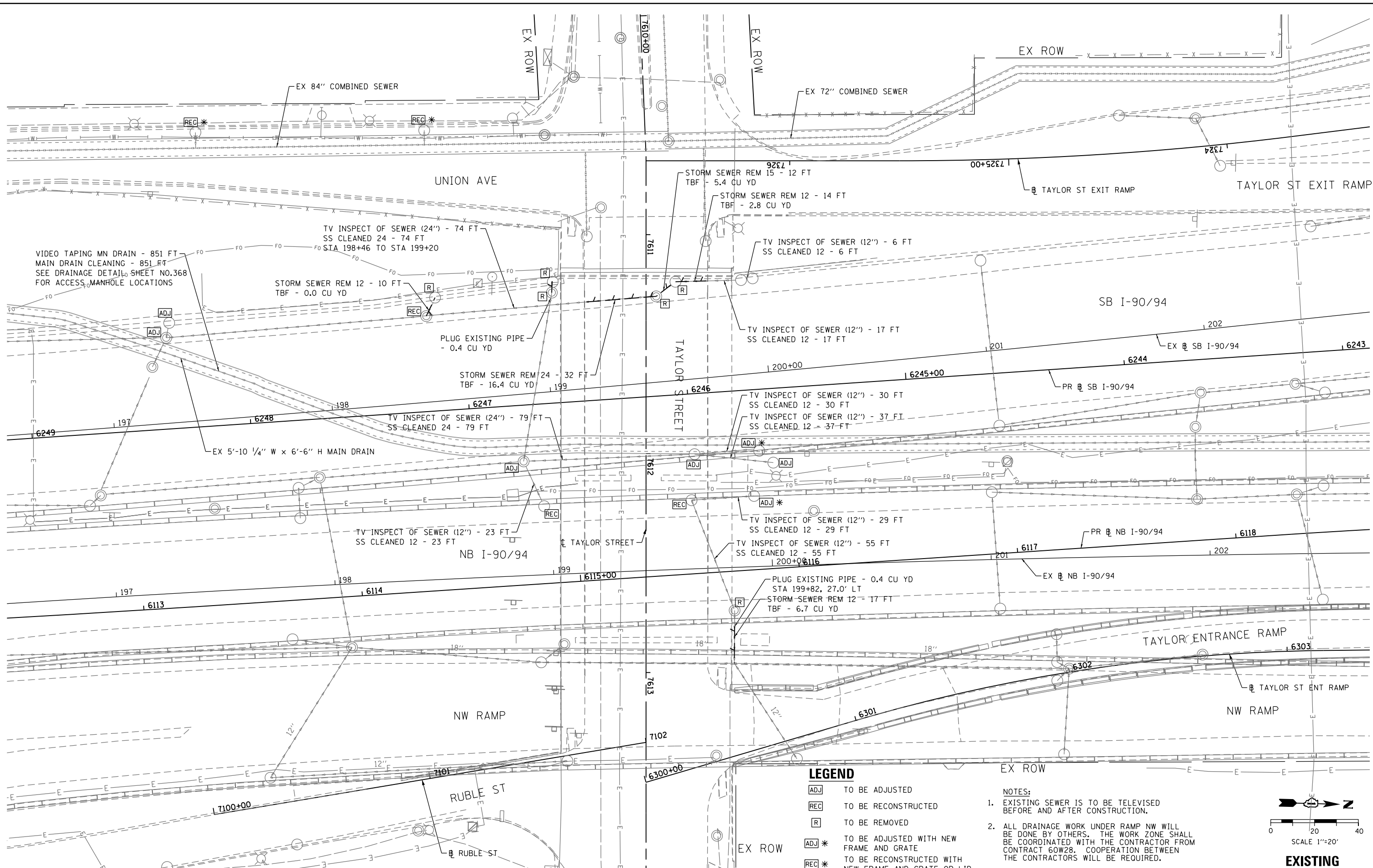
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

DRAINAGE AND UTILITY PLAN AND PROFILE  
TAYLOR STREET  
SCALE: 1"=50' SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2013-012R	COOK	385	117
CONTRACT NO. 60W30				
ILLINOIS FED. AID PROJECT				

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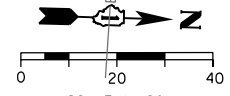


**LEGEND**

- ADJ TO BE ADJUSTED
- REC TO BE RECONSTRUCTED
- R TO BE REMOVED
- ADJ\* TO BE ADJUSTED WITH NEW FRAME AND GRATE
- REC\* TO BE RECONSTRUCTED WITH NEW FRAME AND GRATE OR LID

**NOTES:**

1. EXISTING SEWER IS TO BE TELEVIEWED BEFORE AND AFTER CONSTRUCTION.
2. ALL DRAINAGE WORK UNDER RAMP NW WILL BE DONE BY OTHERS. THE WORK ZONE SHALL BE COORDINATED WITH THE CONTRACTOR FROM CONTRACT 60W28. COOPERATION BETWEEN THE CONTRACTORS WILL BE REQUIRED.



**EXISTING**



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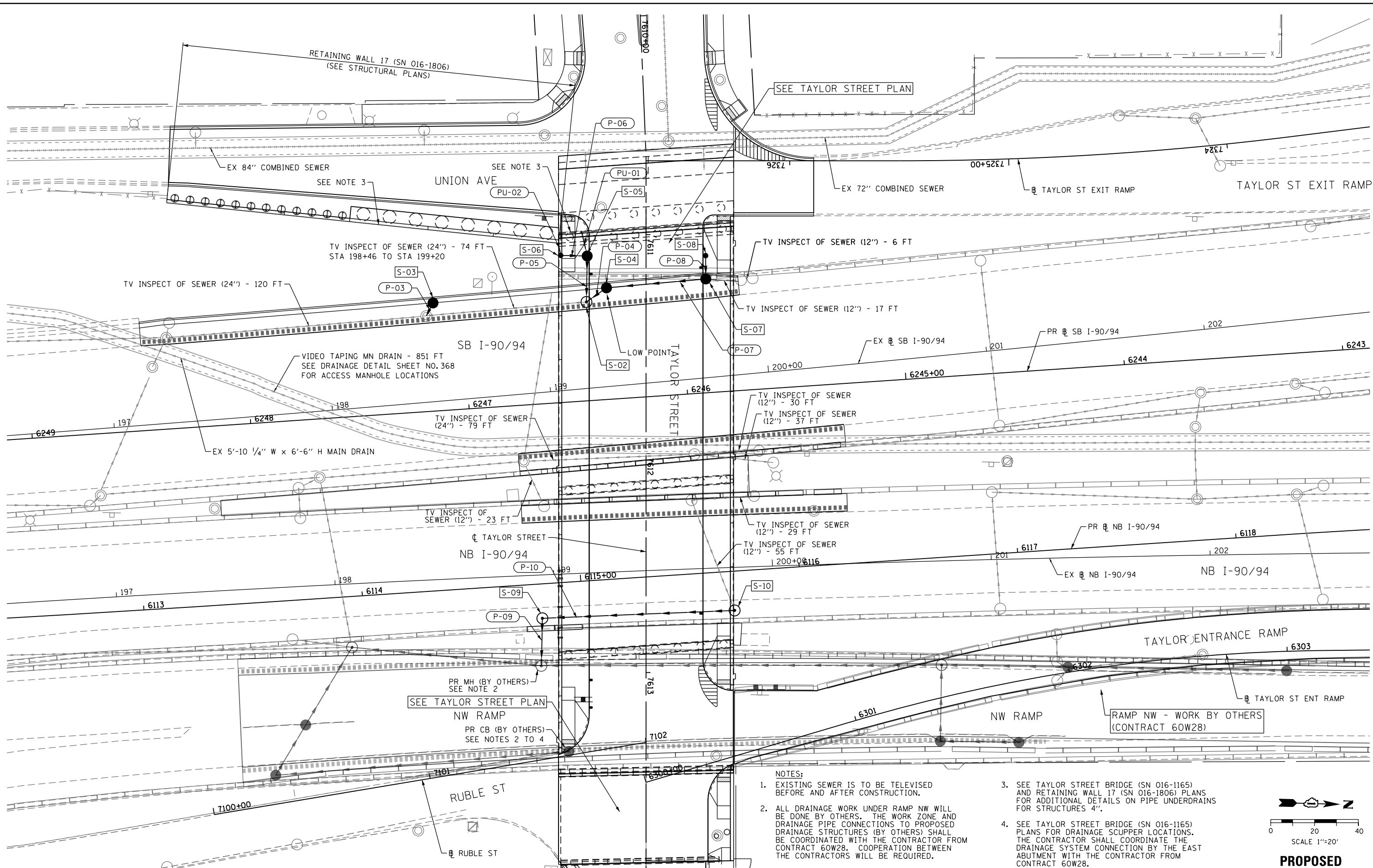
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DRAINAGE REMOVAL PLAN  
I-90/94**

SCALE: 1" = 20' SHEET OF SHEETS STA. TO STA.

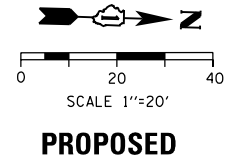
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90/94	2013-012R	COOK	385	118
CONTRACT NO. 60W30				
ILLINOIS FED. AID PROJECT				

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**NOTES:**

- EXISTING SEWER IS TO BE TELEVIEWED BEFORE AND AFTER CONSTRUCTION.
- ALL DRAINAGE WORK UNDER RAMP NW WILL BE DONE BY OTHERS. THE WORK ZONE AND DRAINAGE PIPE CONNECTIONS TO PROPOSED DRAINAGE STRUCTURES (BY OTHERS) SHALL BE COORDINATED WITH THE CONTRACTOR FROM CONTRACT 60W28. COOPERATION BETWEEN THE CONTRACTORS WILL BE REQUIRED.
- SEE TAYLOR STREET BRIDGE (SN 016-1165) AND RETAINING WALL 17 (SN 016-1806) PLANS FOR ADDITIONAL DETAILS ON PIPE UNDERDRAINS FOR STRUCTURES 4".
- SEE TAYLOR STREET BRIDGE (SN 016-1165) PLANS FOR DRAINAGE SCUPPER LOCATIONS. THE CONTRACTOR SHALL COORDINATE THE DRAINAGE SYSTEM CONNECTION BY THE EAST ABUTMENT WITH THE CONTRACTOR FROM CONTRACT 60W28.



**PROPOSED**



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 PLOT DATE = 12/4/2014

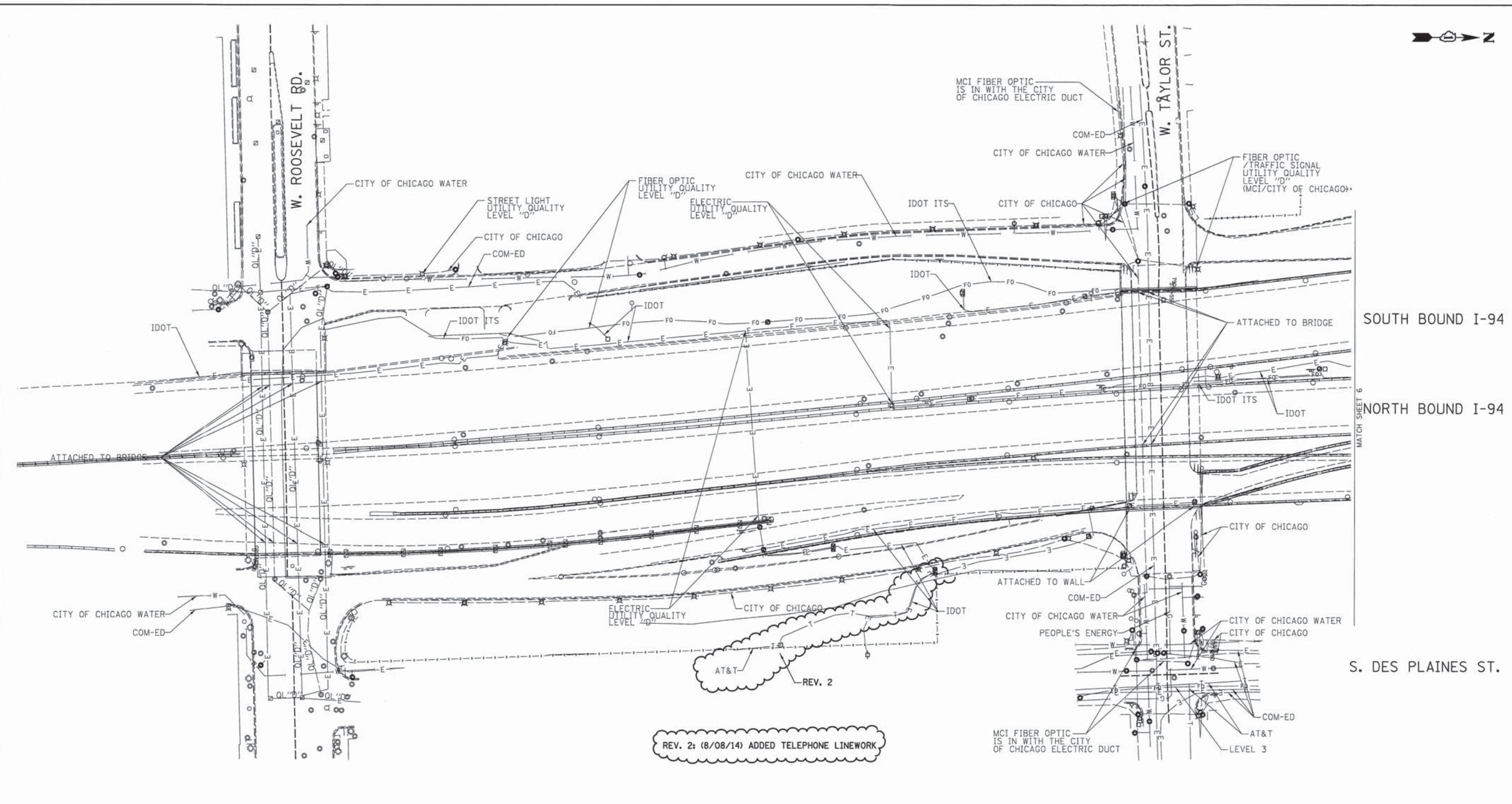
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DATE - 12/05/14	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

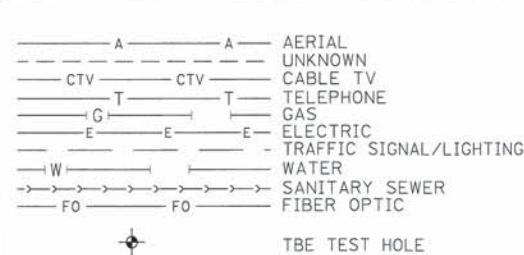
**DRAINAGE PLAN  
 I-90/94**

SCALE: 1" = 20' SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2013-012R	COOK	385	119
CONTRACT NO. 60W30				
ILLINOIS FED. AID PROJECT				



REV. 2: (8/08/14) ADDED TELEPHONE LINEWORK



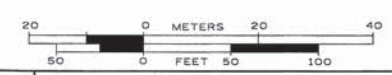
**UTILITY OWNERS**

AT&T = TELEPHONE  
 COM-ED = ELECTRIC  
 CITY OF CHICAGO = ELECTRIC  
 CITY OF CHICAGO WATER = WATER  
 IDOT = ELECTRIC  
 IDOT ITS = FIBER OPTIC  
 LEVEL 3 = FIBER OPTIC  
 MCI = FIBER OPTIC  
 PEOPLE'S ENERGY = GAS

NOTE: ALL ELECTRONIC DEPTHS MARKED AS (ED) WERE OBTAINED UTILIZING A SONDE DEVICE. DEPTHS ON THE AT&T DUCT WERE RECORDED FROM AN AT&T CONTRACTOR. DEPTHS ON THE COMED DUCT WERE RECORDED BY A CARDNO CREW. CARDNO CAN NOT VERIFY THE ACCURACY OF THESE DEPTHS AND SHOULD BE USED AS APPROXIMATE AND AS INFORMATION ONLY.

UTILITIES SHOWN ON THESE PLANS AS DEPICTED IN THE LEGEND HAVE BEEN INVESTIGATED BY CARDNO IN ACCORDANCE WITH SUE INDUSTRY STANDARDS. ALL OTHER INFORMATION SHOWN HAS BEEN PROVIDED TO CARDNO BY OTHERS. CARDNO SUE FIELD INVESTIGATION WAS PERFORMED 3/14/13 THROUGH 8/07/14. CHANGES TO UTILITIES MAY HAVE BEEN MADE AND THEREFORE MAY RESULT IN VARIANCES FROM THIS PLAN. CONSIDERATION SHOULD BE GIVEN TO UPDATING THIS PLAN IF DEEMED ADVISABLE PRIOR TO FINAL DESIGN AND CONSTRUCTION.

ALL UTILITIES SHOWN QUALITY LEVEL "B" UNLESS NOTED OTHERWISE.



TBE Job No. IL09510531, 563  
 SUE Plan Pages: 5 of 12

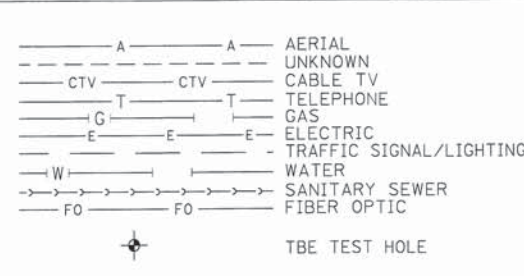
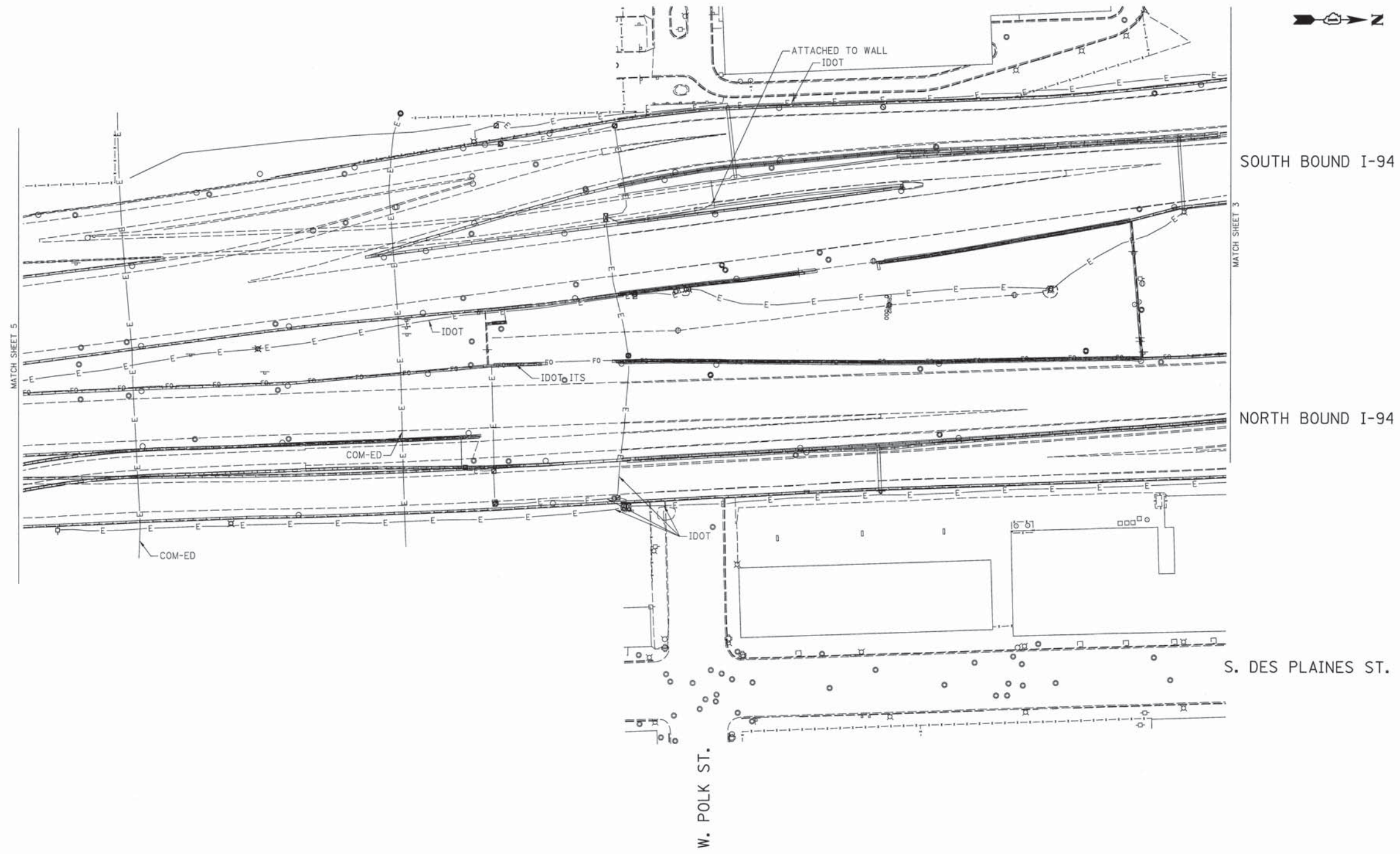
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 Utility Quality Level "B": Designating/non Visually Verified Test Hole  
 Utility Quality Level "C": Research with Survey  
 Utility Quality Level "D": Records Research

DESIGNED	EG	REVISED	7/28/14
DRAWN	SRK	REVISED	8/08/14
CHECKED	MGR	REVISED	
DATE	2/28/14	REVISED	

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

I-941-901-290 (Circle Interchange)  
 Chicago, Illinois

F.A. RTE-	SECTION	COUNTY	TOTAL SHEET
90/94	2013-012R	Cook	385 120
Contract No. 60W30			
FED. ROAD DIST. NO. - [ILLINOIS] IDOT Project No. P-91-259-12			



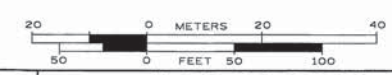
UTILITY OWNERS

COM-ED = ELECTRIC  
 IDOT = ELECTRIC  
 IDOT ITS = FIBER OPTIC

NOTE: ALL ELECTRONIC DEPTHS MARKED AS (ED) WERE OBTAINED UTILIZING A SONDE DEVICE. DEPTHS ON THE AT&T DUCT WERE RECORDED FROM AN AT&T CONTRACTOR. DEPTHS ON THE COMED DUCT WERE RECORDED BY A CARDNO CREW. CARDNO CAN NOT VERIFY THE ACCURACY OF THESE DEPTHS AND SHOULD BE USED AS APPROXIMATE AND AS INFORMATION ONLY.

UTILITIES SHOWN ON THESE PLANS AS DEPICTED IN THE LEGEND HAVE BEEN INVESTIGATED BY CARDNO IN ACCORDANCE WITH SUE INDUSTRY STANDARDS. ALL OTHER INFORMATION SHOWN HAS BEEN PROVIDED TO CARDNO BY OTHERS. CARDNO SUE FIELD INVESTIGATION WAS PERFORMED 3/14/13 THROUGH 7/25/14. CHANGES TO UTILITIES MAY HAVE BEEN MADE AND THEREFORE MAY RESULT IN VARIANCES FROM THIS PLAN. CONSIDERATION SHOULD BE GIVEN TO UPDATING THIS PLAN IF DEEMED ADVISABLE PRIOR TO FINAL DESIGN AND CONSTRUCTION.

ALL UTILITIES SHOWN QUALITY LEVEL "B" UNLESS NOTED OTHERWISE.



TBE Job No. IL095(053), 563  
 SUE Plan Page 6 of 12

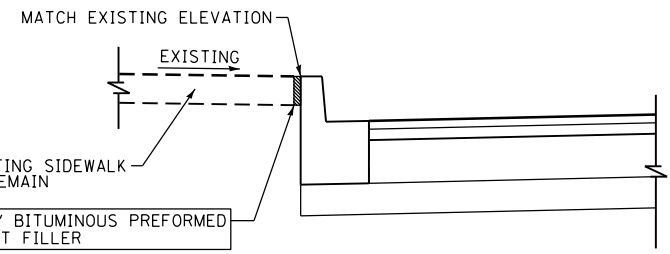
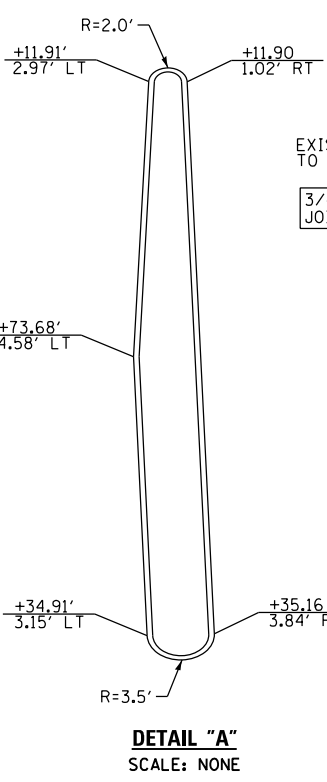
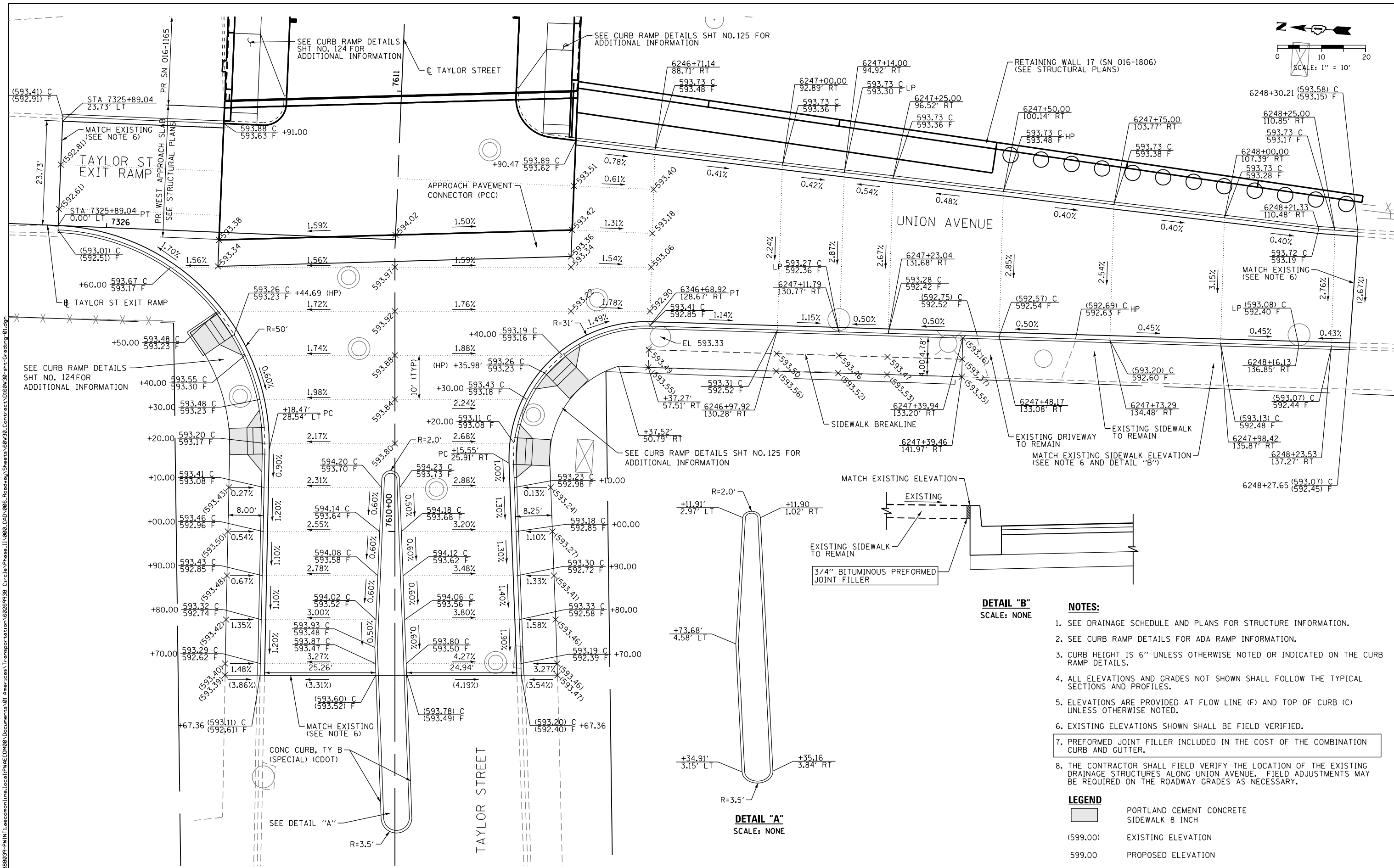
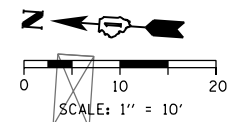
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 Utility Quality Level "B" : Designating/non Visually Verified Test Hole  
 Utility Quality Level "C" : Research with Survey  
 Utility Quality Level "D" : Records Research

DESIGNED EG	REVISED 7/28/14
DRAWN SRK	REVISED
CHECKED MGR	REVISED
DATE 2/28/14	REVISED

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

I-941-901-290 (Circle Interchange)  
 Chicago, Illinois

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2013-012R	Cook	385	121
Contract No. 60W30				
FED. ROAD DIST. NO. - ILLINOIS   IDOT Project No. P-91-259-12				



**DETAIL "B"**  
SCALE: NONE

**NOTES:**

1. SEE DRAINAGE SCHEDULE AND PLANS FOR STRUCTURE INFORMATION.
2. SEE CURB RAMP DETAILS FOR ADA RAMP INFORMATION.
3. CURB HEIGHT IS 6" UNLESS OTHERWISE NOTED OR INDICATED ON THE CURB RAMP DETAILS.
4. ALL ELEVATIONS AND GRADES NOT SHOWN SHALL FOLLOW THE TYPICAL SECTIONS AND PROFILES.
5. ELEVATIONS ARE PROVIDED AT FLOW LINE (F) AND TOP OF CURB (C) UNLESS OTHERWISE NOTED.
6. EXISTING ELEVATIONS SHOWN SHALL BE FIELD VERIFIED.
7. PREFORMED JOINT FILLER INCLUDED IN THE COST OF THE COMBINATION CURB AND GUTTER.
8. THE CONTRACTOR SHALL FIELD VERIFY THE LOCATION OF THE EXISTING DRAINAGE STRUCTURES ALONG UNION AVENUE. FIELD ADJUSTMENTS MAY BE REQUIRED ON THE ROADWAY GRADES AS NECESSARY.

**LEGEND**

- PORTLAND CEMENT CONCRETE SIDEWALK 8 INCH
- (599.00) EXISTING ELEVATION
- 599.00 PROPOSED ELEVATION



D160W30-sht-Grading-01.dgn  
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 PLOT SCALE = 20.0000' / in.  
 PLOT DATE = 12/5/2014

DESIGNED - ZND  
 DRAWN - ZND  
 CHECKED - NUH  
 DATE - 12/05/14

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**ROADWAY AND GRADING PLAN DETAILS  
 TAYLOR STREET**


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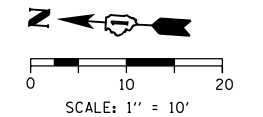
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2013-012R	COOK	385	122
CONTRACT NO. 60W30				
ILLINOIS FED. AID PROJECT				

**NOTES:**

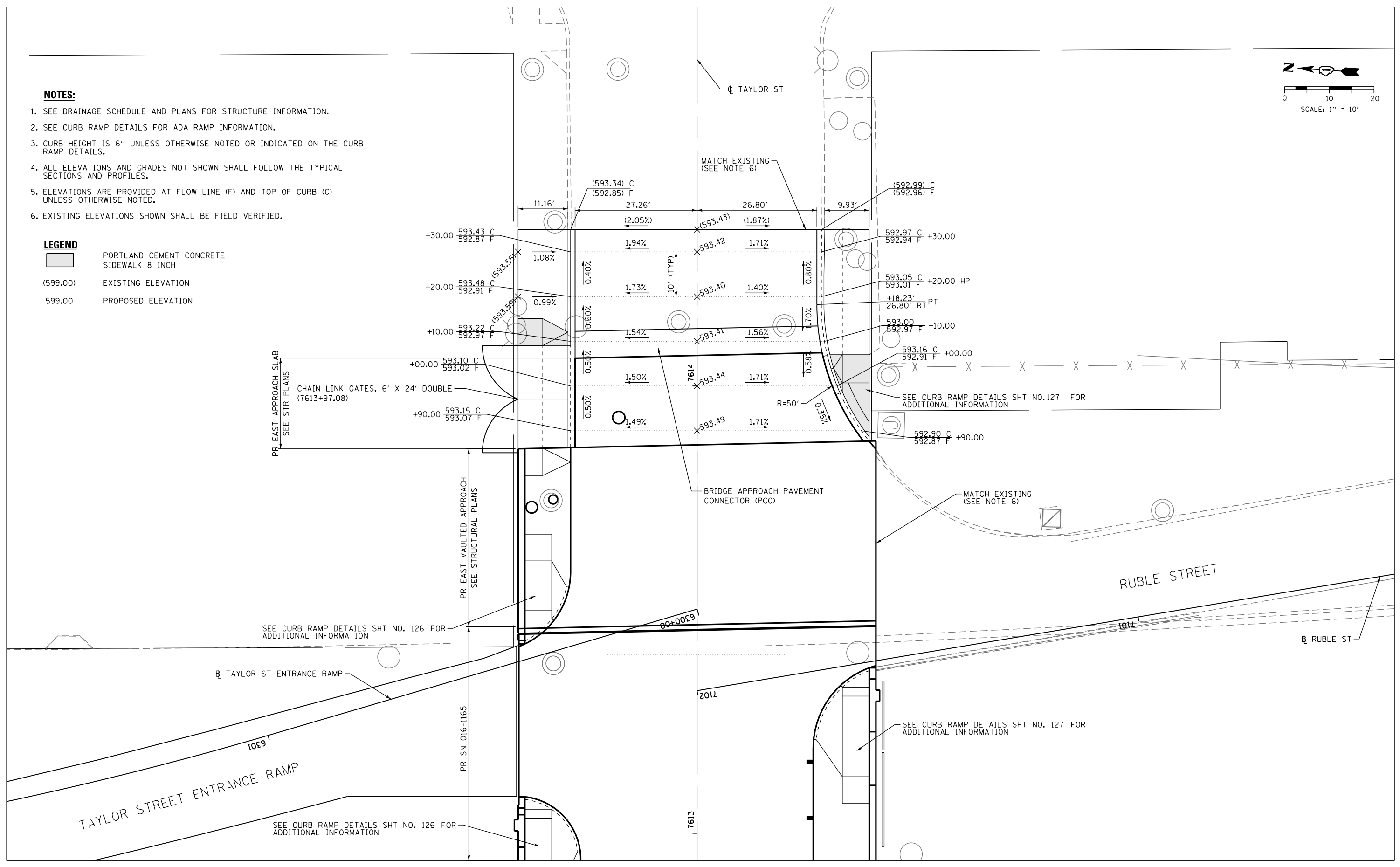
1. SEE DRAINAGE SCHEDULE AND PLANS FOR STRUCTURE INFORMATION.
2. SEE CURB RAMP DETAILS FOR ADA RAMP INFORMATION.
3. CURB HEIGHT IS 6" UNLESS OTHERWISE NOTED OR INDICATED ON THE CURB RAMP DETAILS.
4. ALL ELEVATIONS AND GRADES NOT SHOWN SHALL FOLLOW THE TYPICAL SECTIONS AND PROFILES.
5. ELEVATIONS ARE PROVIDED AT FLOW LINE (F) AND TOP OF CURB (C) UNLESS OTHERWISE NOTED.
6. EXISTING ELEVATIONS SHOWN SHALL BE FIELD VERIFIED.

**LEGEND**

-  PORTLAND CEMENT CONCRETE SIDEWALK 8 INCH
- (599.00) EXISTING ELEVATION
- 599.00 PROPOSED ELEVATION



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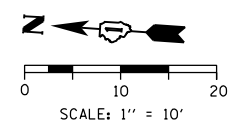
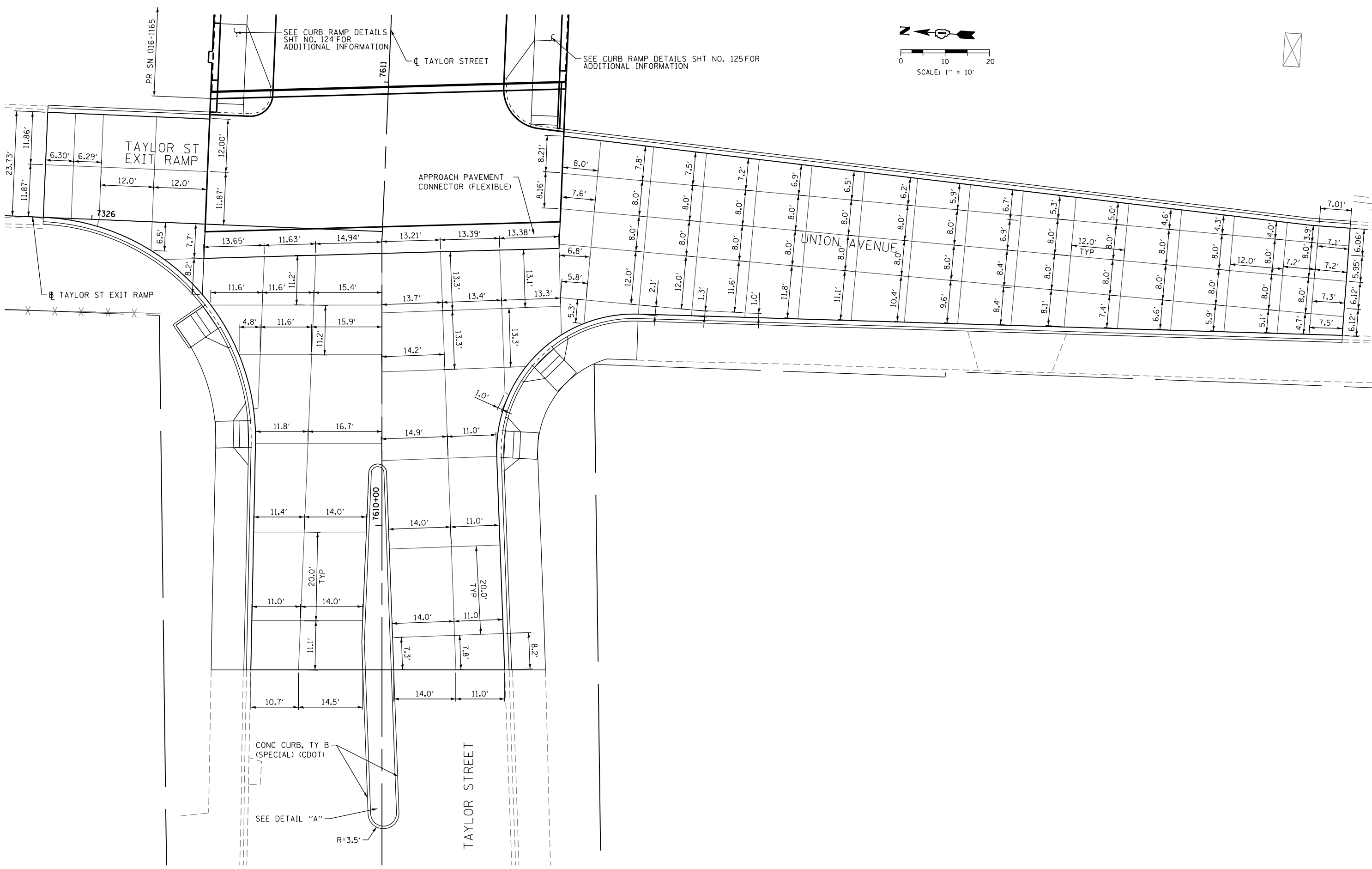
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PLOT DATE = 12/5/2014	DATE - 12/05/14	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

ROADWAY AND GRADING PLAN DETAILS			
TAYLOR STREET			
SCALE: 1" = 10'	SHEET 2	OF 2 SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2013-012R	COOK	385	123
CONTRACT NO. 60W30				
ILLINOIS FED. AID PROJECT				

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DATE - 10/24/2014

REVISED -  
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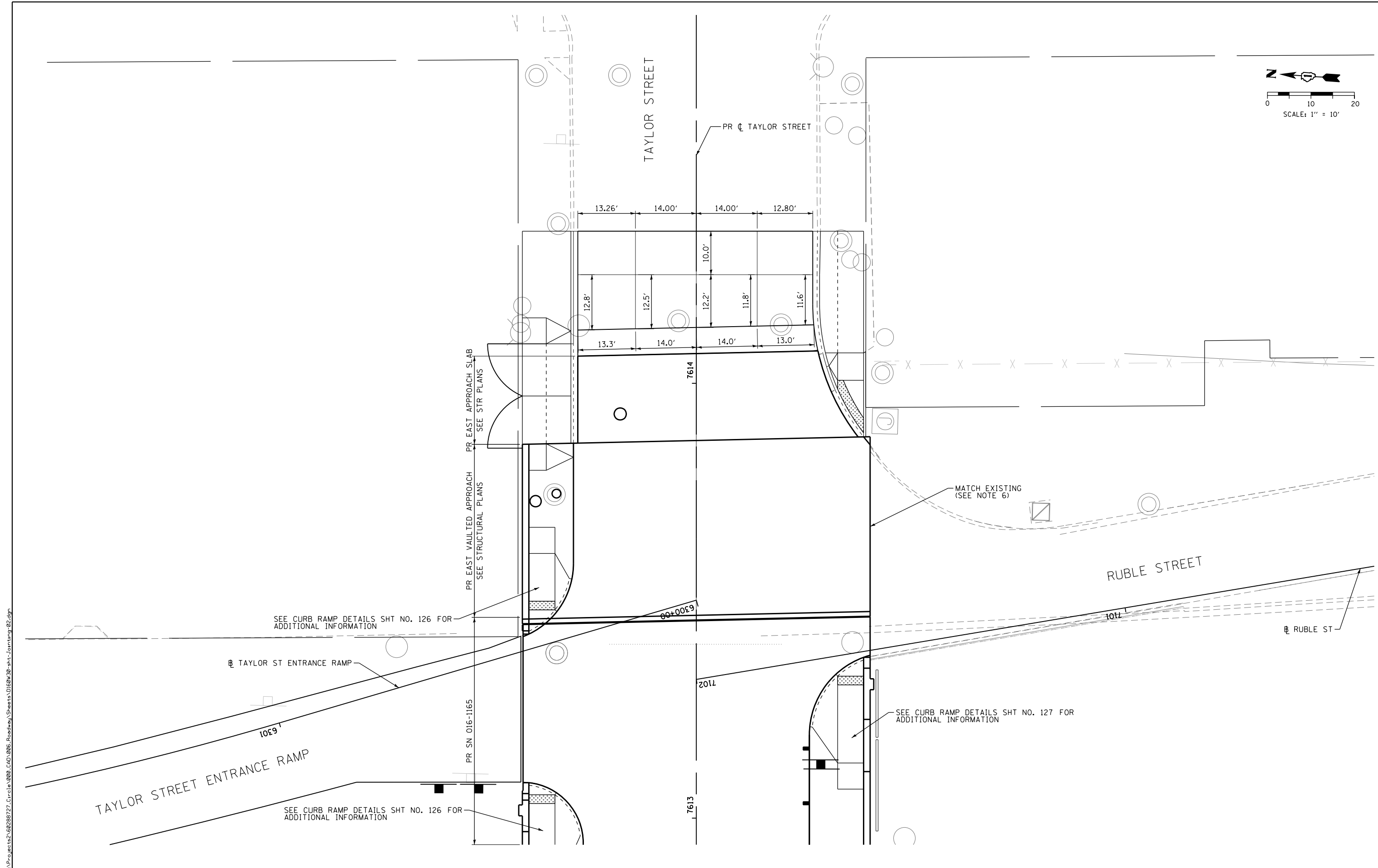
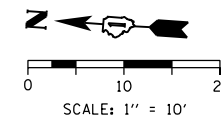
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

JOINTING PLANS  
TAYLOR STREET

SCALE: 1" = 10' SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2013-012R	COOK	385	123A
CONTRACT NO. 60W30				
ILLINOIS FED. AID PROJECT				





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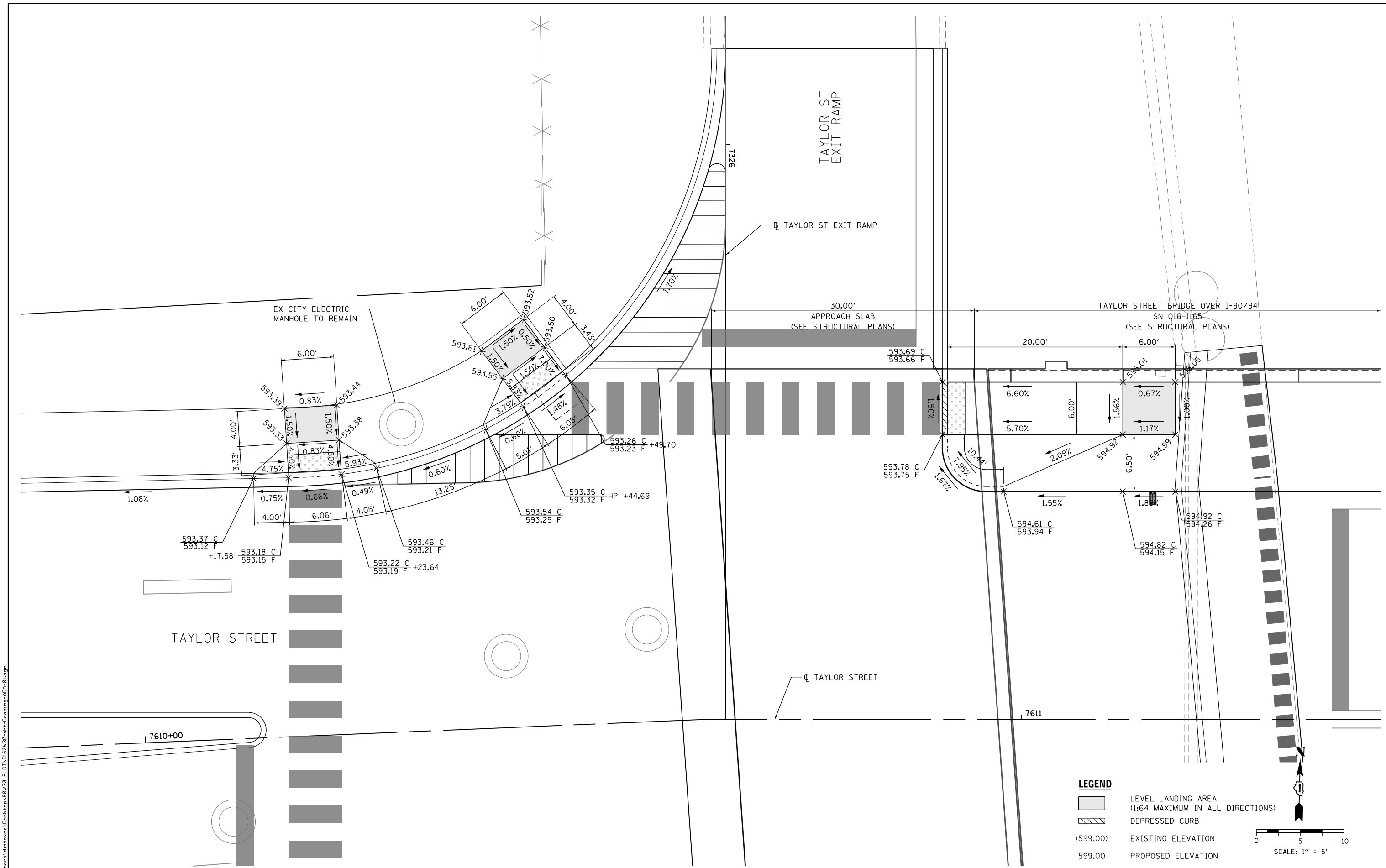
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DATE - 12/05/14	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

JOINTING PLANS  
 TAYLOR STREET


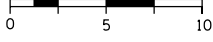
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2013-012R	COOK	385	123B
CONTRACT NO. 60W30			ILLINOIS FED. AID PROJECT	



**LEGEND**

- LEVEL LANDING AREA (1:64 MAXIMUM IN ALL DIRECTIONS)
- DEPRESSED CURB
- (599.00) EXISTING ELEVATION
- 599.00 PROPOSED ELEVATION

  
  
 SCALE: 1" = 5'

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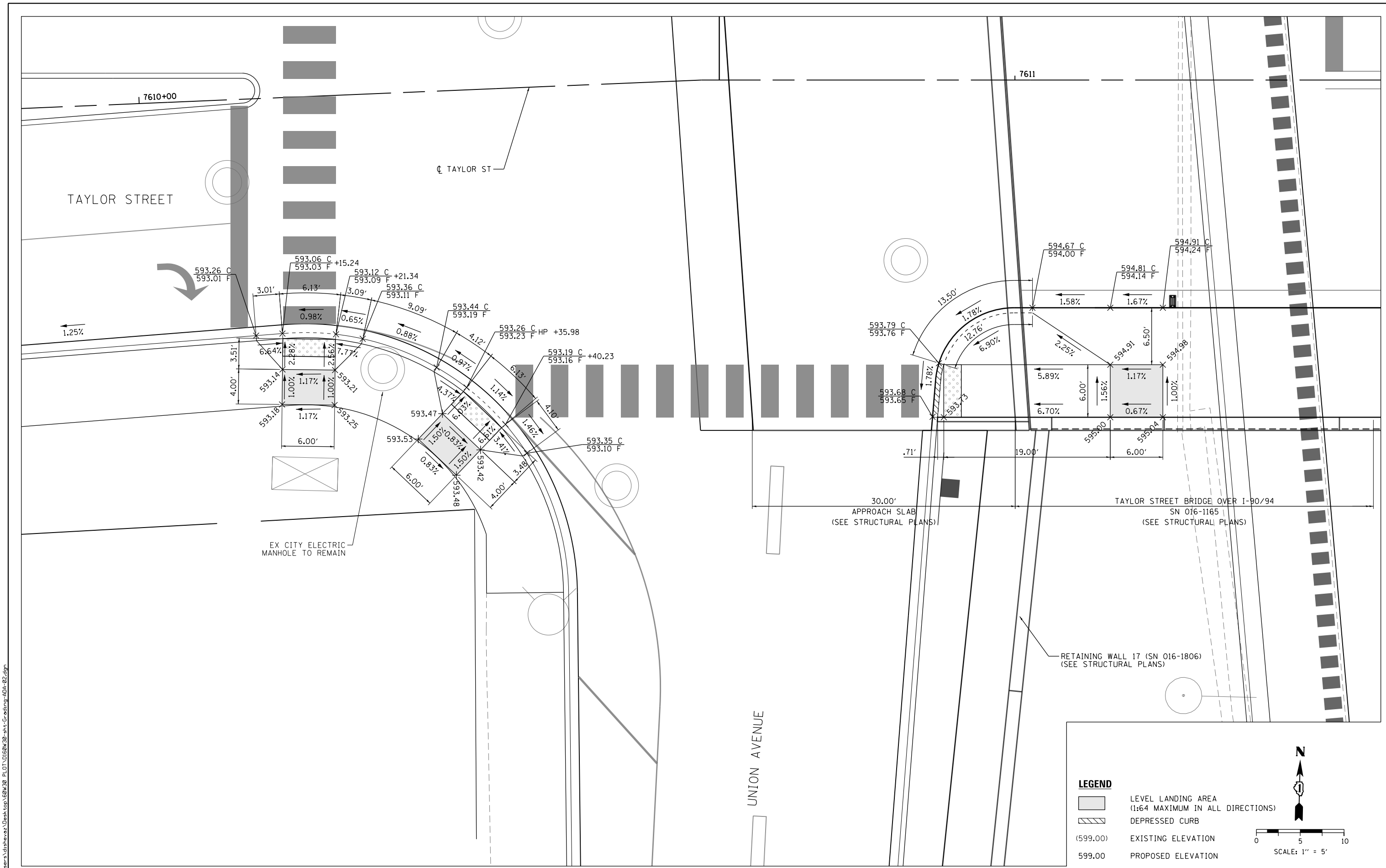
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DATE - 10/24/2014	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CURB RAMP DETAILS  
TAYLOR STREET EXIT RAMP**

SCALE: 1" = 5'    SHEET 1 OF 4 SHEETS    STA.    TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2013-012R	COOK	385	124
CONTRACT NO. 60W30				
ILLINOIS FED. AID PROJECT				



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 PLOT DATE = 10/23/2014

DESIGNED - AFC  
 DRAWN - AFC  
 CHECKED - NUJ  
 DATE - 10/24/2014

REVISED -  
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 REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

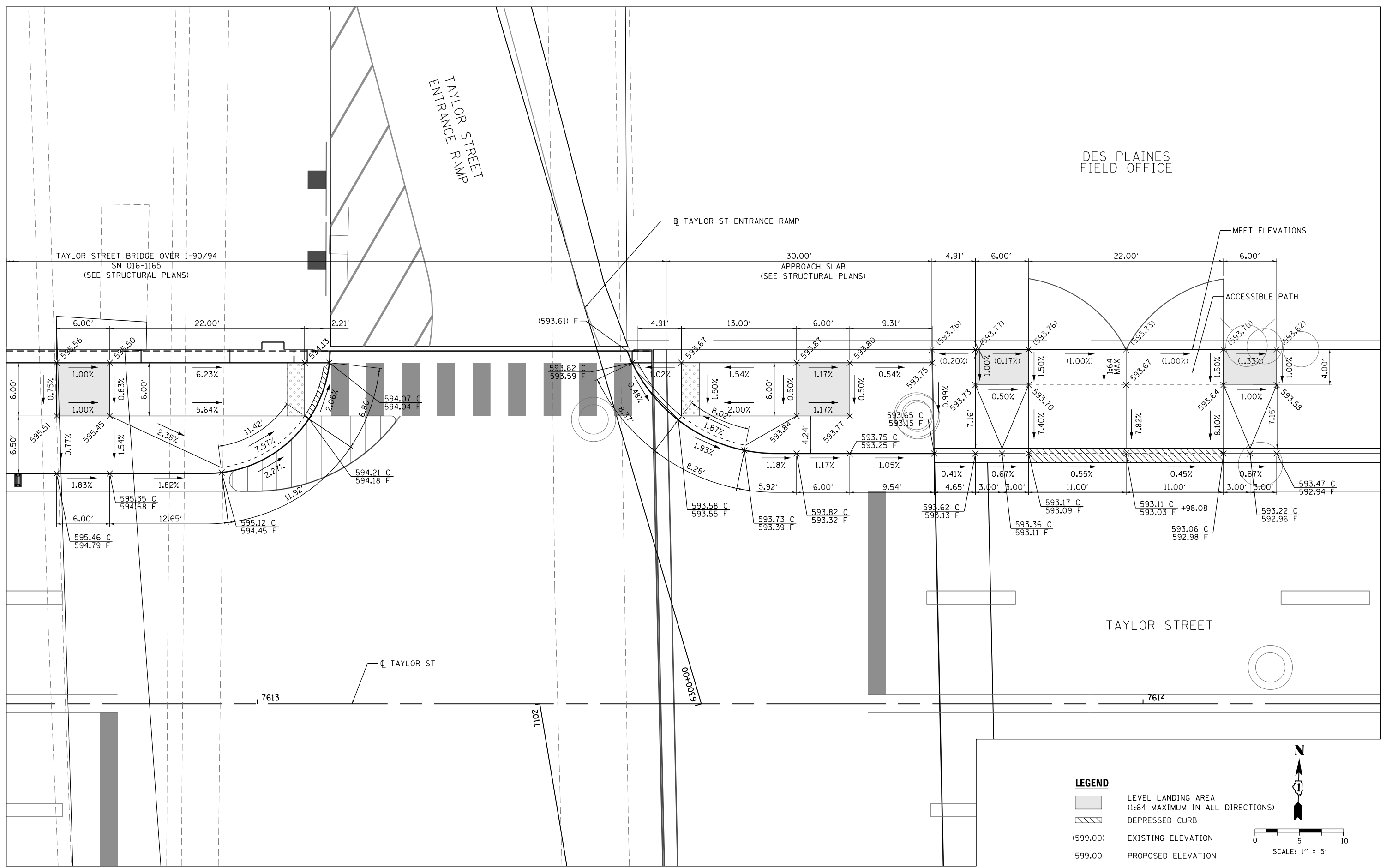
**CURB RAMP DETAILS  
 UNION AVENUE**

SCALE: 1" = 5' SHEET 2 OF 4 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2013-012R	COOK	385	125
CONTRACT NO. 60W30				
ILLINOIS FED. AID PROJECT				

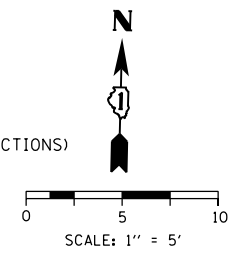
TAYLOR STREET  
ENTRANCE RAMP

DES PLAINES  
FIELD OFFICE



**LEGEND**

- LEVEL LANDING AREA (1:64 MAXIMUM IN ALL DIRECTIONS)
- DEPRESSED CURB
- (599.00) EXISTING ELEVATION
- 599.00 PROPOSED ELEVATION



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 PLOT DATE = 10/23/2014

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 CHECKED - NUJ  
 DATE - 10/24/2014

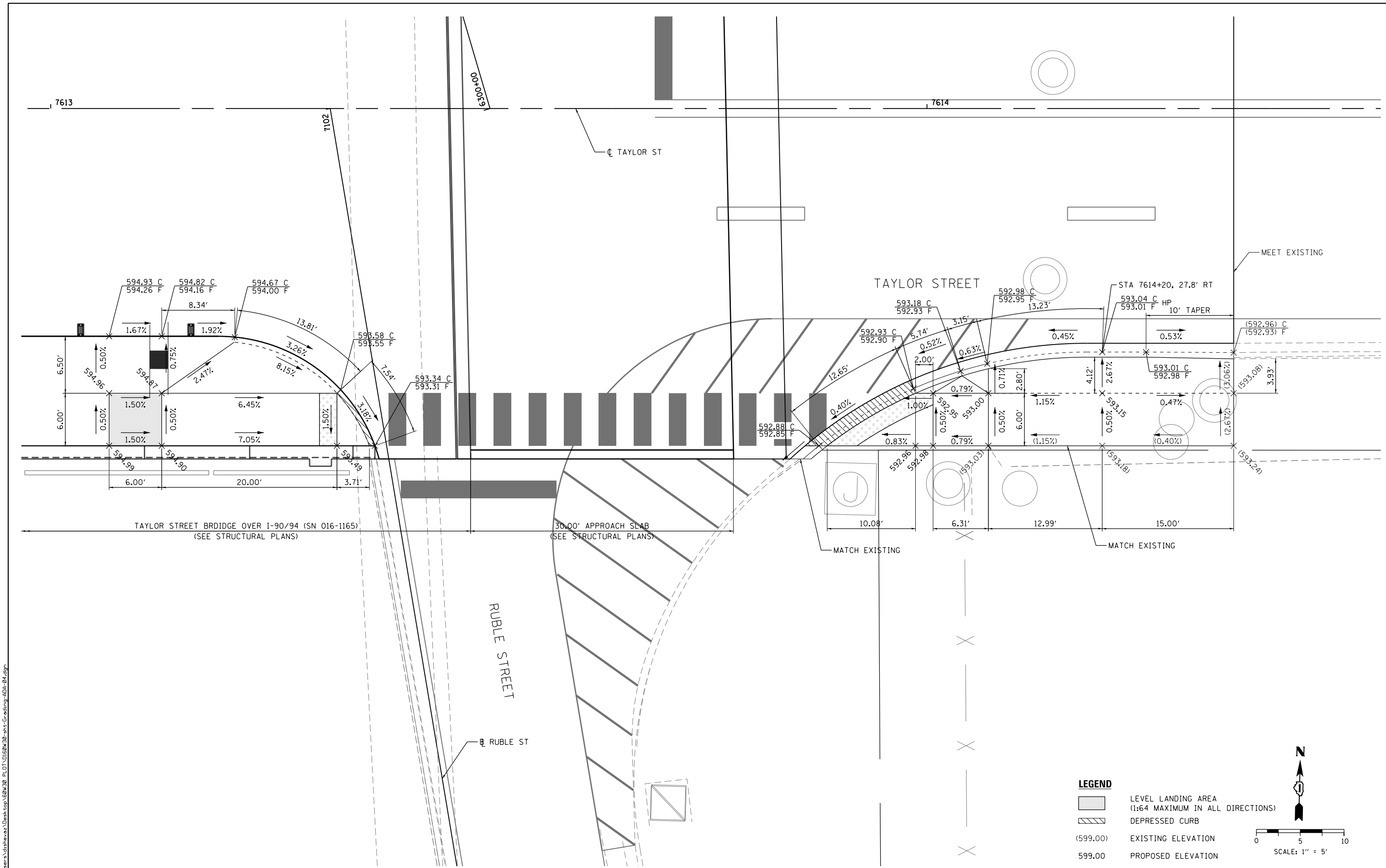
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 REVISED -  
 REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CURB RAMP DETAILS  
TAYLOR STREET ENTRANCE RAMP**

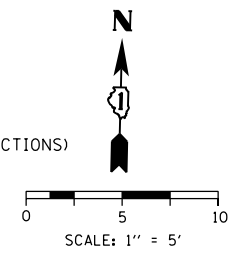
SCALE: 1" = 5'    SHEET 3 OF 4 SHEETS    STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2013-012R	COOK	385	126
CONTRACT NO. 60W30				
ILLINOIS FED. AID PROJECT				



**LEGEND**

- LEVEL LANDING AREA (1:64 MAXIMUM IN ALL DIRECTIONS)
- DEPRESSED CURB
- (599.00) EXISTING ELEVATION
- 599.00 PROPOSED ELEVATION



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 PLOT DATE = 10/23/2014

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DRAWN - AFC	REVISED -
CHECKED - NUJ	REVISED -
DATE - 10/24/2014	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CURB RAMP DETAILS  
 RUBLE STREET**

SCALE: 1" = 5'    SHEET 4 OF 4 SHEETS    STA.    TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2013-012R	COOK	385	127
CONTRACT NO. 60W30				
ILLINOIS FED. AID PROJECT				

**NOTES:**

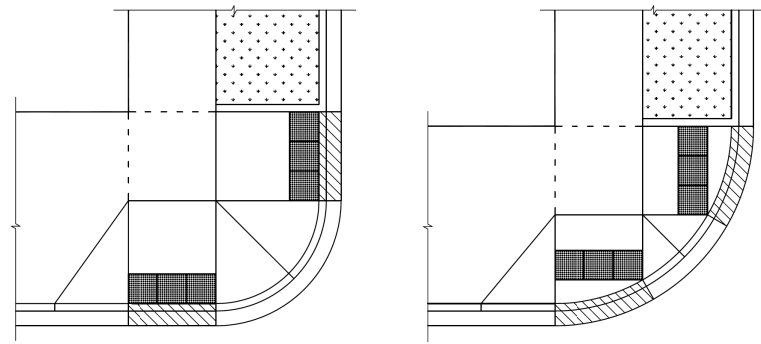
**CURB RAMP LAYOUT B-1-2 IS PREFERRED WHEREVER POSSIBLE. WHERE RAMPS ARE LOCATED IN THE CORNER RADIUS, LAYOUT B-1-3 SHALL BE USED.**

CURB RAMP PLACEMENT SHALL BE COORDINATED AS REQUIRED TO ALLOW FOR A 4' MINIMUM WIDTH SIDEWALK AROUND EACH CORNER OF INTERSECTION. SIDEWALK NOT TO BE OBSTRUCTED BY CURB RAMPS OR OTHER BARRIERS AND SHALL HAVE A CROSS SLOPE OF 1:64 MAXIMUM.

THE BLENDED TRANSITION LAYOUT B-1-7 (AND SIMILAR) MAY BE USED WHERE TWO RAMPS ARE NOT POSSIBLE DUE TO GEOMETRIC CONSTRAINTS, SUCH AS LIMITED SIDEWALK WIDTH OR GRADE ELEVATIONS. THE BLENDED TRANSITION SHALL NOT BE USED IF ACCESS TO AN EXISTING FACILITY WOULD BE REDUCED.

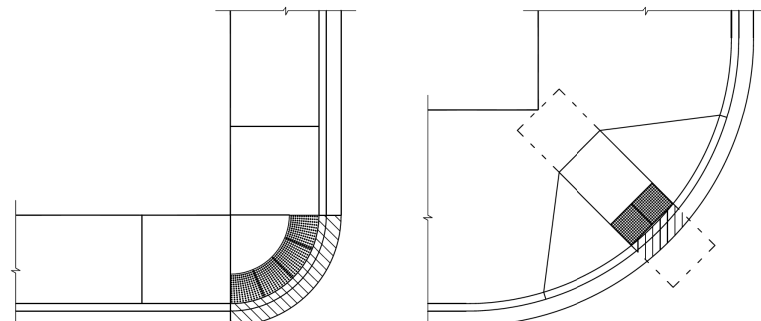
**THE SHARED PERPENDICULAR RAMP AT CORNER LAYOUT B-1-10 IS NOT PREFERRED AND MAY ONLY BE USED WITH PERMISSION FROM THE COMMISSIONER.**

SEE SHEET B-3-3 FOR TRANSITION PANEL GUIDELINES.



SHEET B-1-2: 2 PERPENDICULAR RAMPS

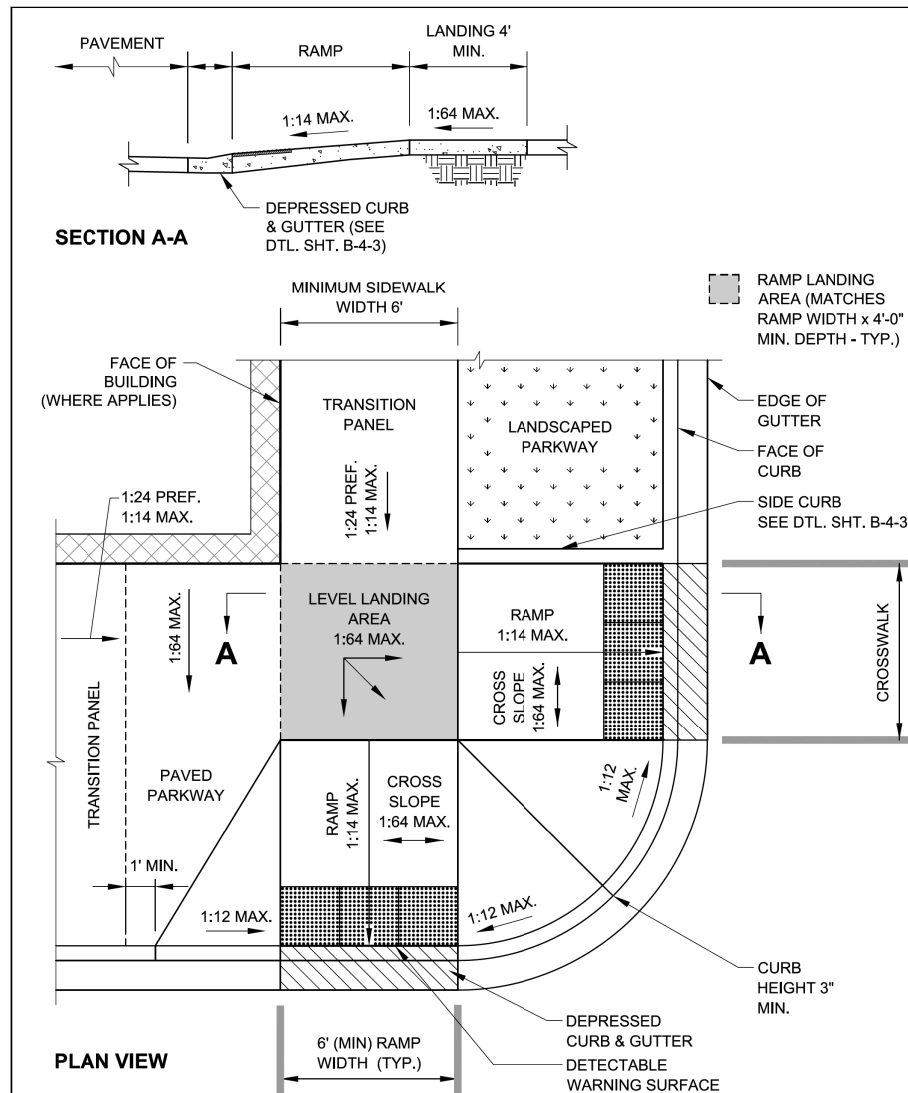
SHEET B-1-3: 2 RAMPS IN RADIUS



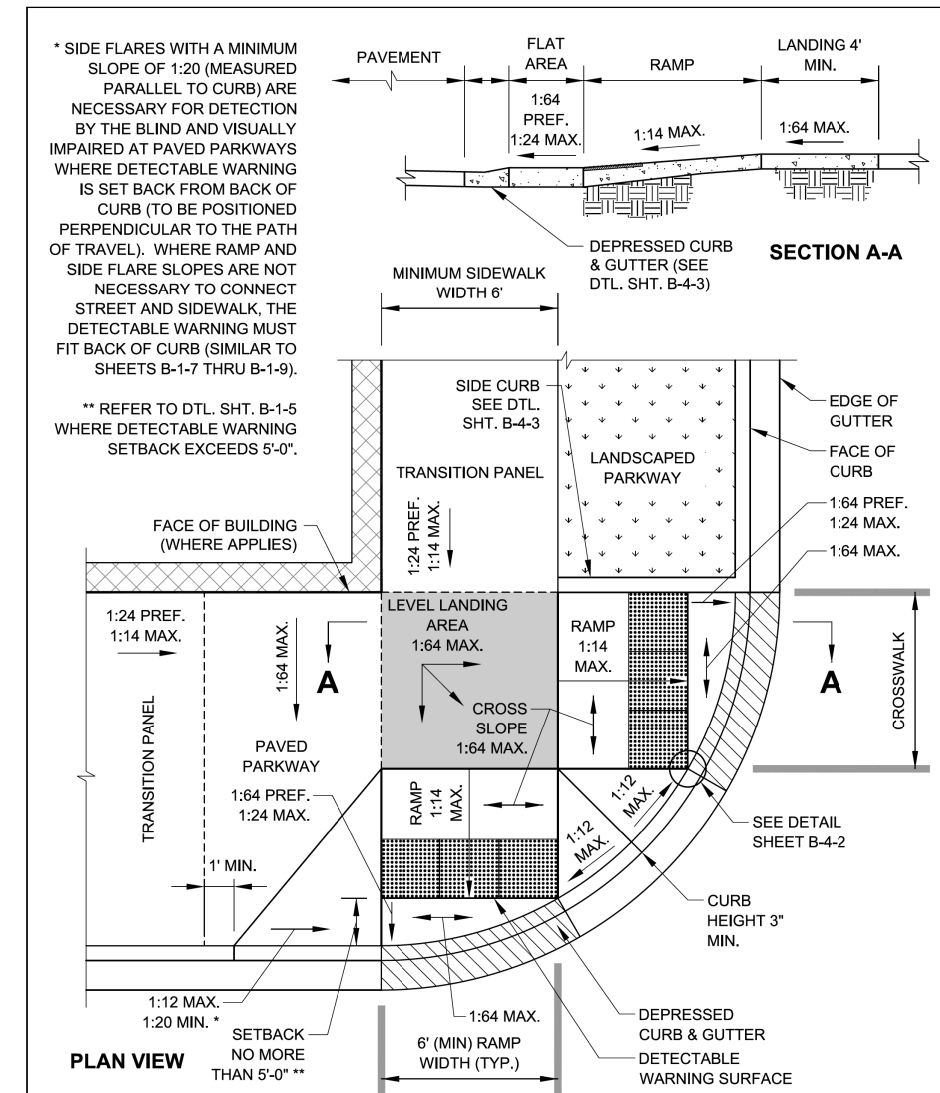
SHEET B-1-7: BLENDED TRANSITION

SHEET B-1-10: SHARED PERPENDICULAR RAMP AT CORNER

<p>City of Chicago Rahm Emanuel, Mayor Department of Transportation Division of Engineering www.cityofchicago.org</p>	DATE	REVISION	<p>CITY OF CHICAGO TYPICAL CORNER RAMP LAYOUTS <b>SHEET B-1-1</b></p> <p>SCALE: NOT TO SCALE DATE: 10/23/2008</p> <p>DRAWN BY: CDOT CHECKED BY: LCM</p>
	02/20/07	REVISION 1	
	11/15/07	REVISION 2	
	11/14/08	REVISION 3	
	11/02/09	REVISION 4	
	08/10/12	REVISION 5	



<p>City of Chicago Rahm Emanuel, Mayor Department of Transportation Division of Engineering www.cityofchicago.org</p>	DATE	REVISION	<p>CITY OF CHICAGO 2 PERPENDICULAR RAMPS AT CORNER <b>SHEET B-1-2</b></p> <p>SCALE: NOT TO SCALE DATE: 10/23/2008</p> <p>DRAWN BY: CDOT CHECKED BY: LCM</p>
	02/20/07	REVISION 1	
	11/15/07	REVISION 2	
	11/14/08	REVISION 3	
	11/02/09	REVISION 4	
	08/10/12	REVISION 5	



<p>City of Chicago Rahm Emanuel, Mayor Department of Transportation Division of Engineering www.cityofchicago.org</p>	DATE	REVISION	<p>CITY OF CHICAGO 2 PERPENDICULAR RAMPS AT CORNER WITH RAMPS IN CURB RADIUS <b>SHEET B-1-3</b></p> <p>SCALE: NOT TO SCALE DATE: 10/23/2008</p> <p>DRAWN BY: CDOT CHECKED BY: LCM</p>
	02/20/07	REVISION 1	
	11/15/07	REVISION 2	
	11/14/08	REVISION 3	
	11/02/09	REVISION 4	
	08/10/12	REVISION 5	

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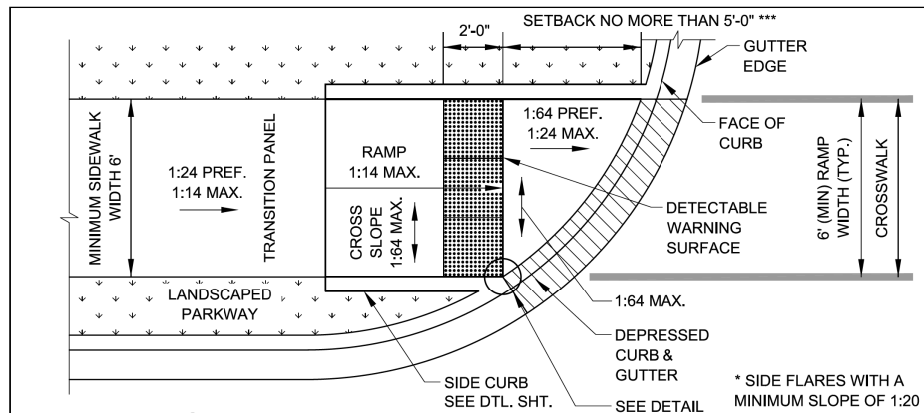
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PLOT DATE = 10/23/2014	DATE - 10/24/2014	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

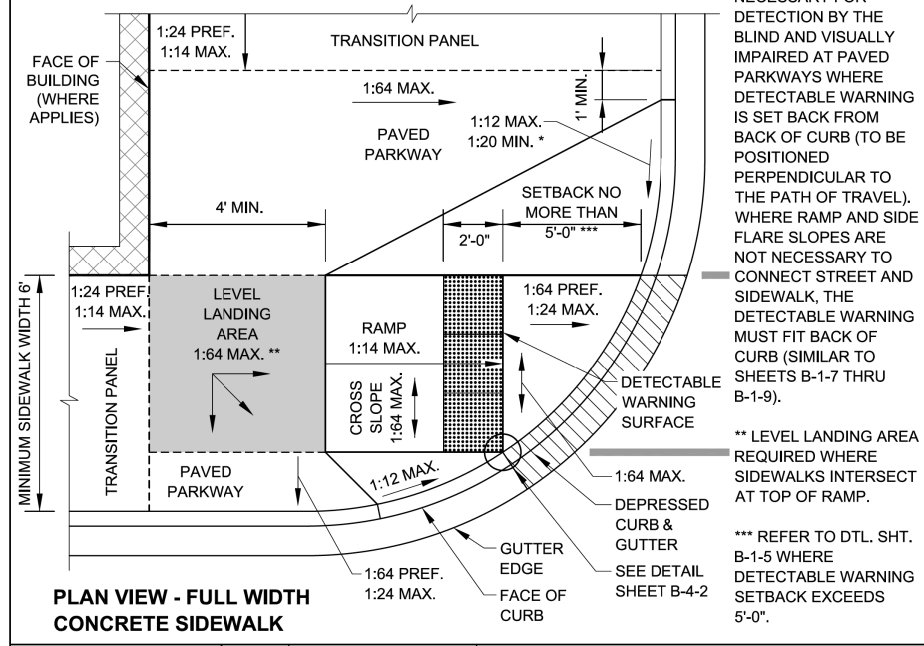
CITY OF CHICAGO  
ADA STANDARDS

SCALE: 1" = 3' SHEET 1 OF 6 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2013-012R	COOK	385	128
CONTRACT NO. 60W30				
ILLINOIS FED. AID PROJECT				

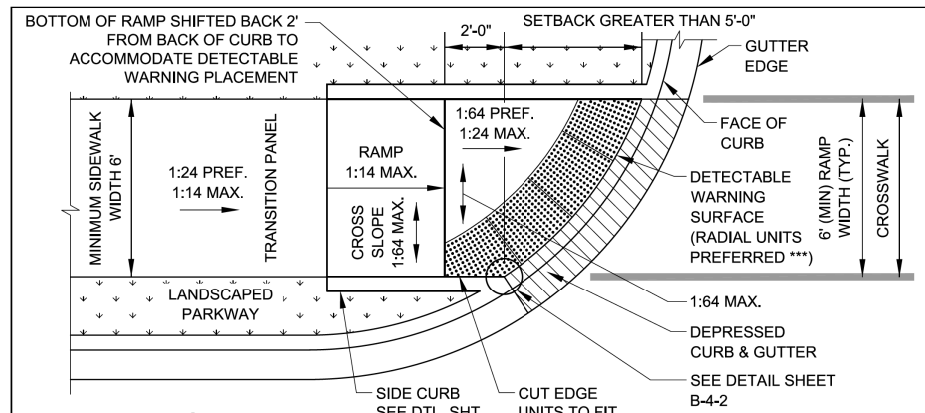


**PLAN VIEW - SIDEWALK THROUGH PARKWAY**

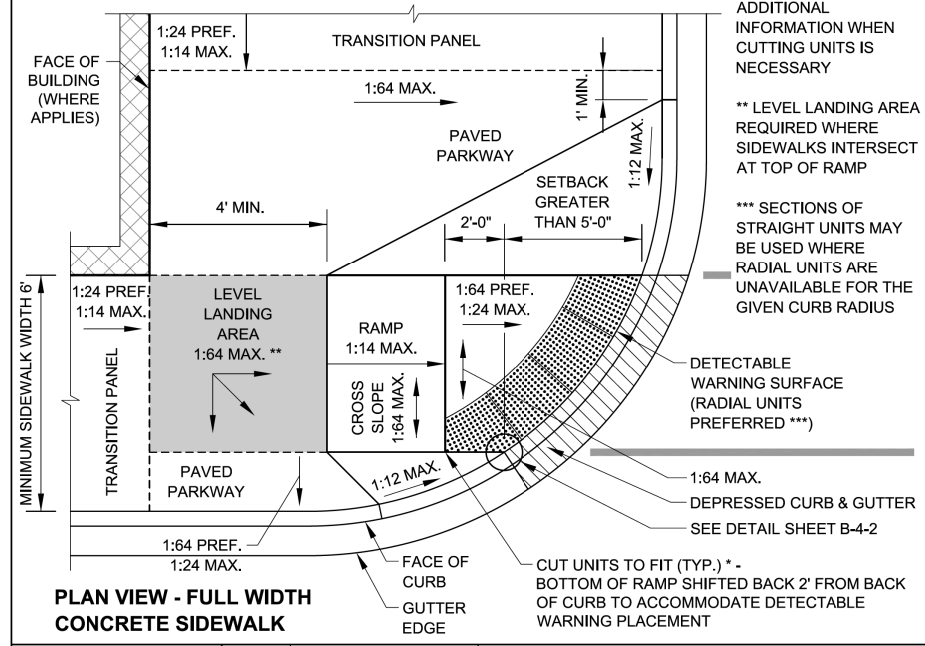


**PLAN VIEW - FULL WIDTH CONCRETE SIDEWALK**

 City of Chicago Rahm Emanuel, Mayor Department of Transportation Division of Engineering www.cityofchicago.org	DATE	REVISION	CITY OF CHICAGO PERPENDICULAR RAMP AT CORNER IN CURB RADIUS WITH SINGLE CROSSING <b>SHEET B-14</b> SCALE: NOT TO SCALE DATE: 10/23/2008 DRAWN BY: CDOT CHECKED BY: LCM
	02/20/07	REVISION 1	
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	11/02/09	REVISION 4	
08/10/12	REVISION 5		

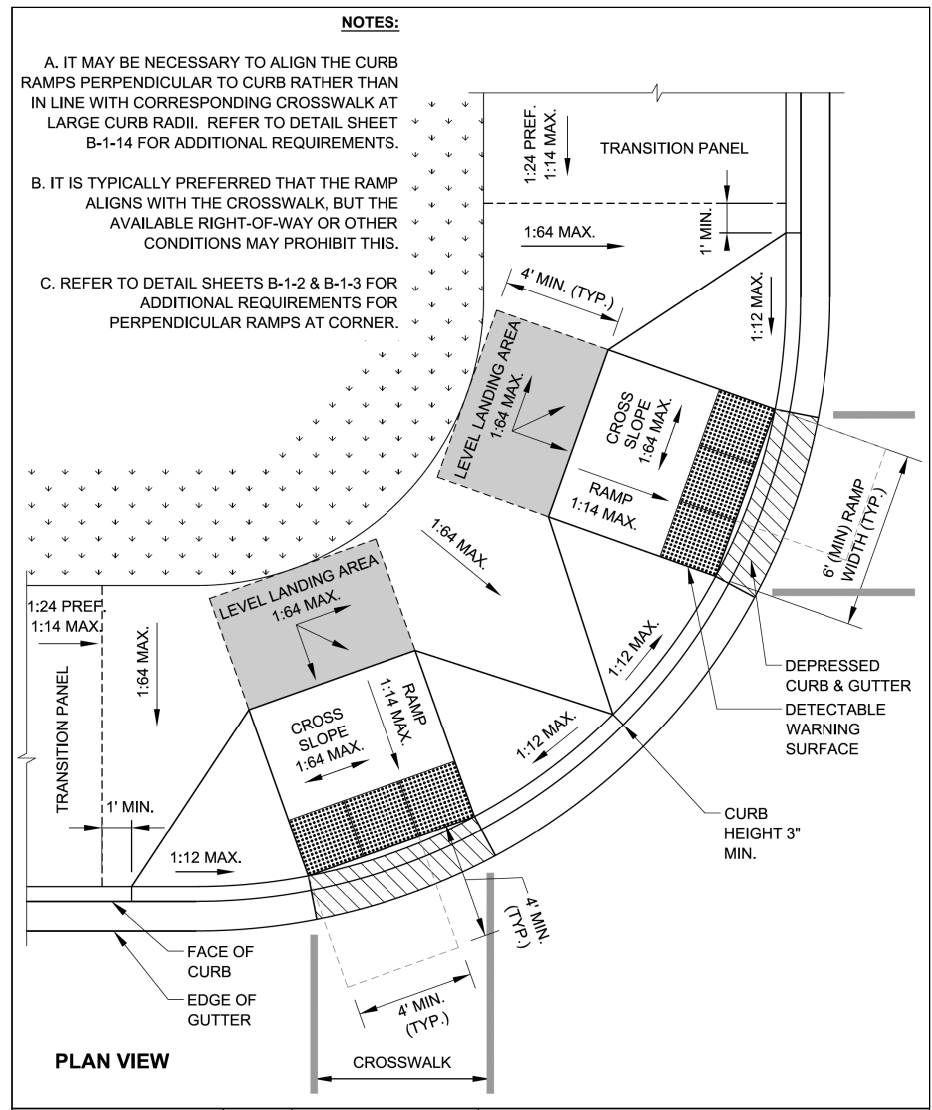


**PLAN VIEW - SIDEWALK THROUGH PARKWAY**



**PLAN VIEW - FULL WIDTH CONCRETE SIDEWALK**

 City of Chicago Rahm Emanuel, Mayor Department of Transportation Division of Engineering www.cityofchicago.org	DATE	REVISION	CITY OF CHICAGO PERPENDICULAR RAMP AT CORNER IN CURB RADIUS WITH DETECTABLE WARNING SETBACK GREATER THAN 5' <b>SHEET B-1-5</b> SCALE: NOT TO SCALE DATE: 10/23/2008 DRAWN BY: CDOT CHECKED BY: LCM
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	11/15/07	REVISION 2	
	11/14/08	REVISION 3	
	11/02/09	REVISION 4	
08/10/12	REVISION 5		



**PLAN VIEW**

 City of Chicago Rahm Emanuel, Mayor Department of Transportation Division of Engineering www.cityofchicago.org	DATE	REVISION	CITY OF CHICAGO PERPENDICULAR RAMP AT CORNER WITH LARGE CURB RADIUS <b>SHEET B-1-12</b> SCALE: NOT TO SCALE DATE: 10/23/2008 DRAWN BY: CDOT CHECKED BY: LCM
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	11/15/07	REVISION 2	
	11/14/08	REVISION 3	
	11/02/09	REVISION 4	
08/10/12	REVISION 5		

**NOTES:**

- A. IT MAY BE NECESSARY TO ALIGN THE CURB RAMP PERPENDICULAR TO CURB RATHER THAN IN LINE WITH CORRESPONDING CROSSWALK AT LARGE CURB RADII. REFER TO DETAIL SHEET B-1-14 FOR ADDITIONAL REQUIREMENTS.
- B. IT IS TYPICALLY PREFERRED THAT THE RAMP ALIGNS WITH THE CROSSWALK, BUT THE AVAILABLE RIGHT-OF-WAY OR OTHER CONDITIONS MAY PROHIBIT THIS.
- C. REFER TO DETAIL SHEETS B-1-2 & B-1-3 FOR ADDITIONAL REQUIREMENTS FOR PERPENDICULAR RAMPS AT CORNER.

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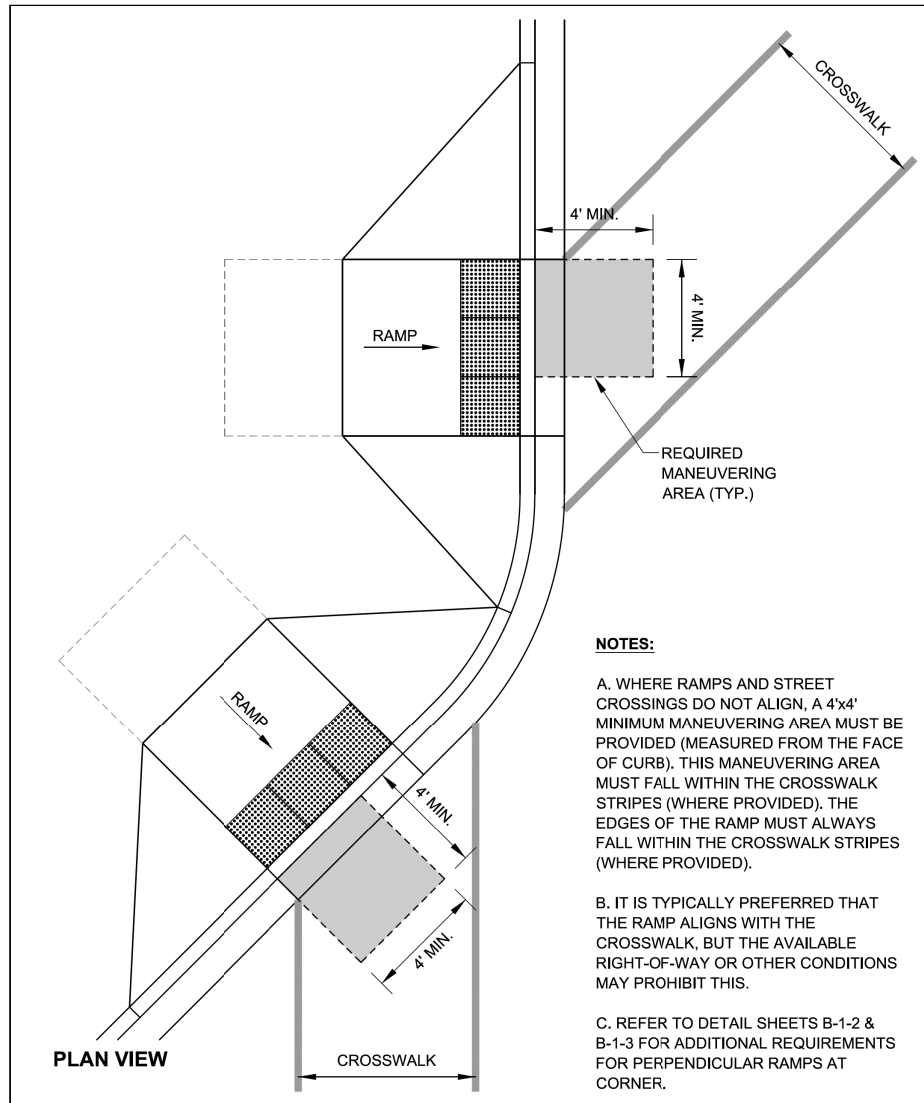
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CITY OF CHICAGO  
 ADA STANDARDS**

SCALE: 1" = 3' SHEET 2 OF 6 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2013-012R	COOK	385	129
CONTRACT NO. 60W30			ILLINOIS FED. AID PROJECT	



**NOTES:**

A. WHERE RAMPS AND STREET CROSSINGS DO NOT ALIGN, A 4'x4' MINIMUM MANEUVERING AREA MUST BE PROVIDED (MEASURED FROM THE FACE OF CURB). THIS MANEUVERING AREA MUST FALL WITHIN THE CROSSWALK STRIPES (WHERE PROVIDED). THE EDGES OF THE RAMP MUST ALWAYS FALL WITHIN THE CROSSWALK STRIPES (WHERE PROVIDED).

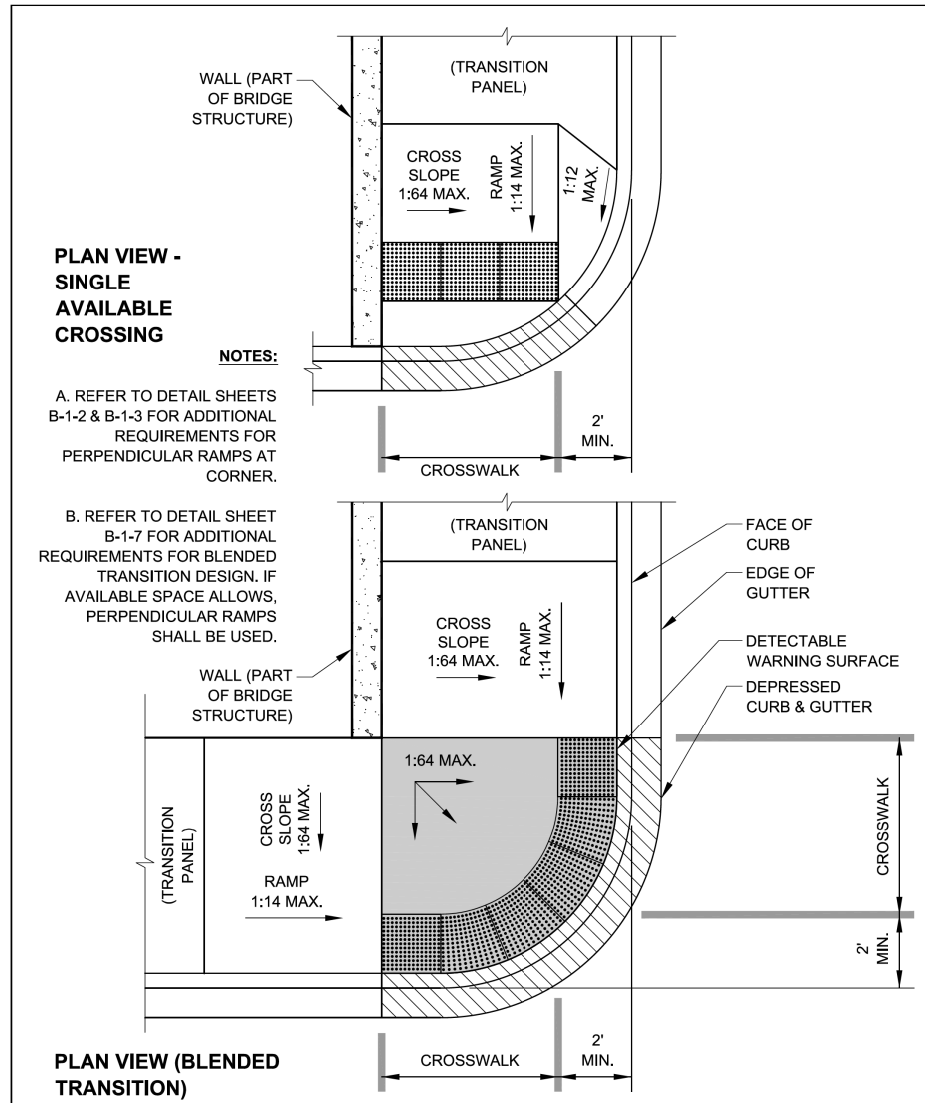
B. IT IS TYPICALLY PREFERRED THAT THE RAMP ALIGNS WITH THE CROSSWALK, BUT THE AVAILABLE RIGHT-OF-WAY OR OTHER CONDITIONS MAY PROHIBIT THIS.

C. REFER TO DETAIL SHEETS B-1-2 & B-1-3 FOR ADDITIONAL REQUIREMENTS FOR PERPENDICULAR RAMPS AT CORNER.

PLAN VIEW

CROSSWALK

<p>City of Chicago Rahm Emanuel, Mayor Department of Transportation Division of Engineering www.cityofchicago.org</p>	DATE	REVISION	<p>CITY OF CHICAGO RAMPS THAT DO NOT ALIGN WITH CROSSWALK <b>SHEET B-1-14</b></p> <p>SCALE: NOT TO SCALE DATE: 10/23/2008</p> <p>DRAWN BY: CDOT CHECKED BY: LCM</p>
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	11/15/07	REVISION 2	
	11/14/08	REVISION 3	
	11/02/09	REVISION 4	
08/10/12	REVISION 5		



**PLAN VIEW - SINGLE AVAILABLE CROSSING**

**NOTES:**

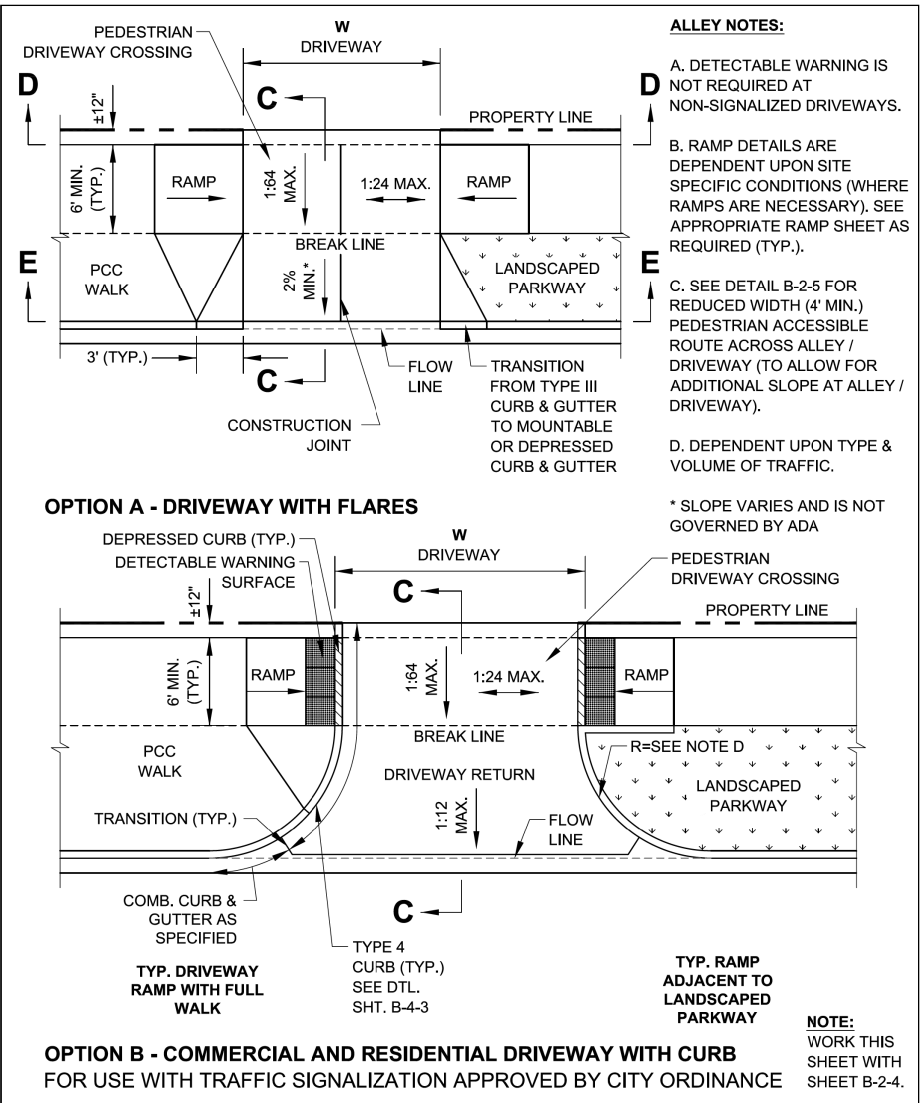
A. REFER TO DETAIL SHEETS B-1-2 & B-1-3 FOR ADDITIONAL REQUIREMENTS FOR PERPENDICULAR RAMPS AT CORNER.

B. REFER TO DETAIL SHEET B-1-7 FOR ADDITIONAL REQUIREMENTS FOR BLENDED TRANSITION DESIGN. IF AVAILABLE SPACE ALLOWS, PERPENDICULAR RAMPS SHALL BE USED.

PLAN VIEW (BLENDED TRANSITION)

CROSSWALK

<p>City of Chicago Rahm Emanuel, Mayor Department of Transportation Division of Engineering www.cityofchicago.org</p>	DATE	REVISION	<p>CITY OF CHICAGO ON-GRADE RAMP AT BRIDGE OR OVERPASS <b>SHEET B-1-21</b></p> <p>SCALE: NOT TO SCALE DATE: 10/23/2008</p> <p>DRAWN BY: CDOT CHECKED BY: LCM</p>
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	11/15/07	REVISION 2	
	11/14/08	REVISION 3	
	11/02/09	REVISION 4	
08/10/12	REVISION 5		



**OPTION A - DRIVEWAY WITH FLARES**

**OPTION B - COMMERCIAL AND RESIDENTIAL DRIVEWAY WITH CURB FOR USE WITH TRAFFIC SIGNALIZATION APPROVED BY CITY ORDINANCE**

**ALLEY NOTES:**

A. DETECTABLE WARNING IS NOT REQUIRED AT NON-SIGNALIZED DRIVEWAYS.

B. RAMP DETAILS ARE DEPENDENT UPON SITE SPECIFIC CONDITIONS (WHERE RAMPS ARE NECESSARY). SEE APPROPRIATE RAMP SHEET AS REQUIRED (TYP.).

C. SEE DETAIL B-2-5 FOR REDUCED WIDTH (4' MIN.) PEDESTRIAN ACCESSIBLE ROUTE ACROSS ALLEY / DRIVEWAY (TO ALLOW FOR ADDITIONAL SLOPE AT ALLEY / DRIVEWAY).

D. DEPENDENT UPON TYPE & VOLUME OF TRAFFIC.

\*SLOPE VARIES AND IS NOT GOVERNED BY ADA

NOTE: WORK THIS SHEET WITH SHEET B-2-4.

<p>City of Chicago Rahm Emanuel, Mayor Department of Transportation Division of Engineering www.cityofchicago.org</p>	DATE	REVISION	<p>CITY OF CHICAGO DRIVEWAY CONSTRUCTION PLAN VIEWS <b>SHEET B-2-3</b></p> <p>SCALE: NOT TO SCALE DATE: 10/23/2008</p> <p>DRAWN BY: CDOT CHECKED BY: LCM</p>
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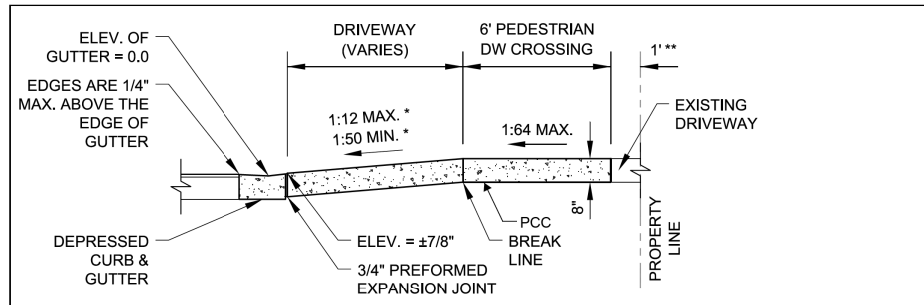
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CITY OF CHICAGO  
ADA STANDARDS

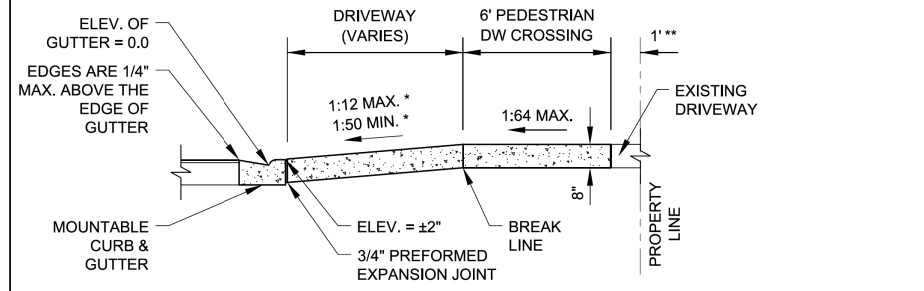
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2013-012R	COOK	385	130
CONTRACT NO. 60W30			ILLINOIS FED. AID PROJECT	

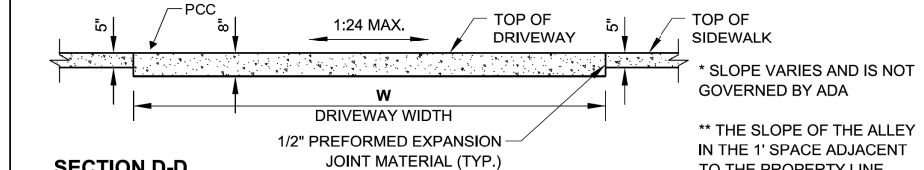




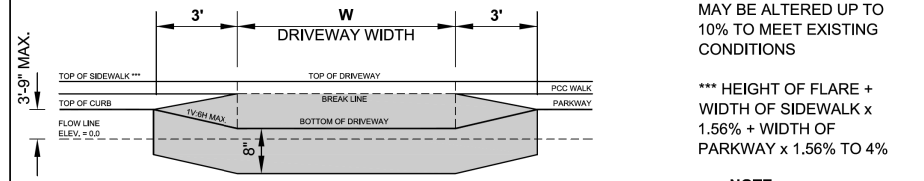
**SECTION C-C: SECTION SHOWING DEPRESSED CURB & GUTTER**



**SECTION C-C: SECTION SHOWING MOUNTABLE CURB & GUTTER**

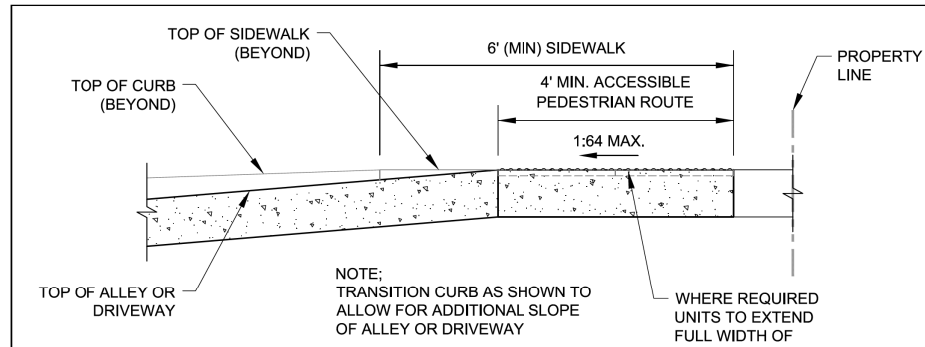


**SECTION D-D**

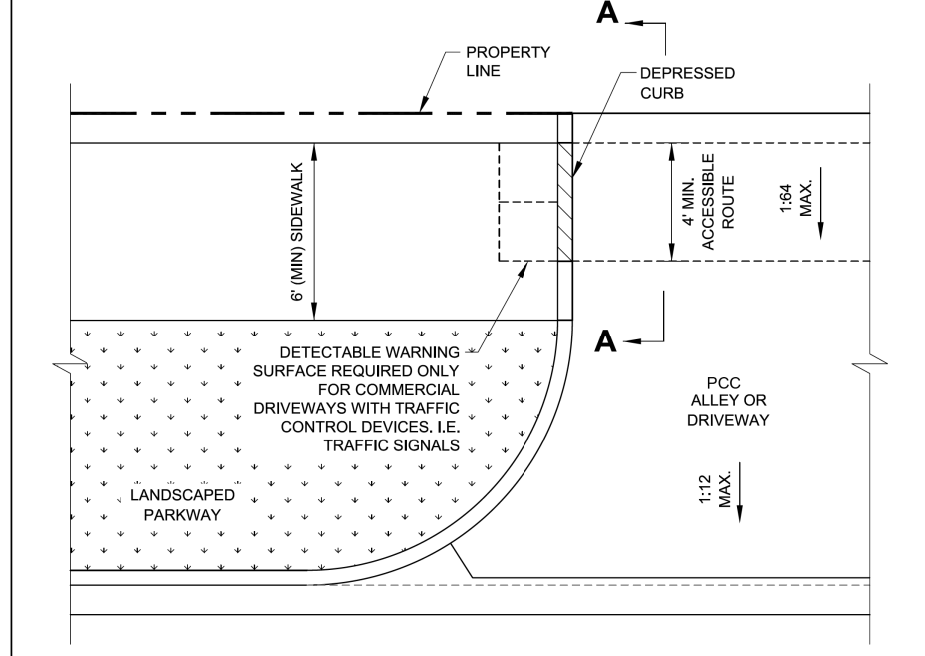


**SECTION E-E**

 City of Chicago Rahm Emanuel, Mayor Department of Transportation Division of Engineering www.cityofchicago.org	DATE	REVISION	CITY OF CHICAGO DRIVEWAY CONSTRUCTION SECTIONS <b>SHEET B-2-4</b> SCALE: NOT TO SCALE DATE: 10/23/2008 DRAWN BY: CDOT CHECKED BY: GK
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	11/14/08	REVISION 3	
	11/02/09	REVISION 4	
	08/10/12	REVISION 5	
01/01/14	REVISION 6		



**SECTION A-A**



**PLAN VIEW**

 City of Chicago Rahm Emanuel, Mayor Department of Transportation Division of Engineering www.cityofchicago.org	DATE	REVISION	CITY OF CHICAGO ALLEY & DRIVEWAY DETAIL FOR REDUCED WIDTH PEDESTRIAN ACCESS ROUTE <b>SHEET B-2-5</b> SCALE: NOT TO SCALE DATE: 10/23/2008 DRAWN BY: CDOT CHECKED BY: GK
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	11/15/07	REVISION 2	
	11/14/08	REVISION 3	
	11/02/09	REVISION 4	
	08/10/12	REVISION 5	
01/01/14	REVISION 6		

**GENERAL NOTES:**

1. THE DETECTABLE WARNING USED SHALL BE CHOSEN FROM THE CHICAGO DEPARTMENT OF TRANSPORTATION LIST OF APPROVED DETECTABLE WARNING PRODUCTS (AVAILABLE ON THE CITY OF CHICAGO WEBSITE). IT IS NOT ACCEPTABLE TO INSTALL TWO DIFFERENT DETECTABLE WARNING PRODUCTS ADJACENT TO ONE ANOTHER AT ANY LOCATION. IN THE CENTRAL BUSINESS DISTRICT, GRANITE OR OTHER SPECIALTY PAVING MATERIALS MAY BE SUBMITTED TO THE COMMISSIONER FOR APPROVAL.
2. THE DETECTABLE WARNING MUST BE INSTALLED A MAXIMUM OF 8" OR LESS FROM FACE OF CURB (SEE DETAIL SHEET B-4-2).
3. THE DETECTABLE WARNING MUST COVER FULL WIDTH OF RAMP EXCLUDING SIDE FLARES FOR A MINIMUM UNOBSTRUCTED DEPTH OF 24". THE DETECTABLE WARNING LOCATED ON THE SURFACES OF RAMPS IS TYPICALLY ORIENTED PERPENDICULAR TO THE RUN OF THE RAMP UNLESS SPECIAL CIRCUMSTANCES OCCUR (SEE DETAIL SHEET B-1-5). THE DETECTABLE WARNING MUST BE PROVIDED FOR A MINIMUM DEPTH OF 24" FOR THE ENTIRE LENGTH OF THE SIDEWALK WHERE THE SIDEWALK IS FLUSH WITH THE STREET (DEPRESSED CURB OR FLUSH TRANSITION). IF IT IS NECESSARY TO CUT A UNIT(S) IN THE PROVISION OF A COMPLIANT RAMP OR SIDEWALK WITH 24" MINIMUM DEPTH OF DETECTABLE WARNING, THE UNITS SHALL BE CUT IN A NEAT AND WORKMAN LIKE MANNER PER MANUFACTURER'S REQUIREMENTS WITH A MINIMUM OF THREE PINS OR ANCHOR POINTS (WHERE APPLICABLE). THE UNITS SHALL BE ARRANGED SO THAT THE CUT UNITS ARE LARGE ENOUGH TO BE PROPERLY AND ADEQUATELY SECURED. CUT UNITS SHALL NOT BE USED UNLESS ALL OTHER DESIGN OPTIONS HAVE BEEN EXHAUSTED. THE USE OF SALVAGE PIECES FROM UNITS THAT ARE CUT WILL NOT BE PERMITTED WITHOUT WRITTEN APPROVAL OF THE COMMISSIONER. CUT UNIT SALVAGE PIECES NOT APPROVED FOR USE MUST BE REMOVED FROM THE SITE AND DISPOSED OF PROPERLY.
4. WHERE APPLICABLE, A COMBINATION OF STRAIGHT AND RADIAL DETECTABLE WARNING UNITS MAY BE USED ON COMPOUND AND LARGE RADII. CONTRACTOR MUST MAKE THIS DETERMINATION AND VERIFY IN FIELD.
5. THE DETECTABLE WARNING MUST CONTRAST WITH ADJACENT PAVEMENT. IF LIGHT COLORED PAVEMENT IS USED THE DETECTABLE WARNING COLOR SHALL BE RED. IF A DARK COLORED PAVEMENT IS USED THE DETECTABLE WARNING COLOR SHALL BE YELLOW. CONTRACTOR TO VERIFY THAT PROPER CONTRAST IS OBTAINED.
6. PRIOR TO PLACING CONCRETE FOR DEPRESSED CURBS, RAMPS, OR SIDEWALKS THE CONTRACTOR SHALL VERIFY THAT LAYOUT OR DESIGN COMPLIES WITH THE REQUIREMENTS OF THE CDOT ADA STANDARDS.
7. RAMP WIDTH MUST BE A MINIMUM OF 6'-0" AND IN INCREMENTS OF 1'-0", EXCEPT WHEN USING THE PERPENDICULAR RAMP AT CORNER (OR OTHER SPECIAL CDOT APPROVED CONDITIONS), WHICH HAS A MINIMUM WIDTH OF 4'-0".
8. THE MAXIMUM ALLOWABLE RAMP RUNNING SLOPE IS 1:14, MEASURED AT ANY PORTION OF THE RAMP. IF POSSIBLE, A MORE GRADUAL SLOPE SHALL BE USED. GRADE BREAKS AT THE TOP AND BOTTOM OF RAMPS SHALL BE PERPENDICULAR TO THE DIRECTION OF RAMP RUN.
9. THE MAXIMUM ALLOWABLE RAMP CROSS SLOPE IS 1:64, MEASURED AT ANY PORTION OF THE RAMP. IF POSSIBLE, A MORE GRADUAL SLOPE SHALL BE USED.
10. THE MAXIMUM ALLOWABLE RAMP LANDING SLOPE IS 1:64, MEASURED AT ANY LOCATION AND IN ANY DIRECTION ON THE LANDING. THE RAMP LANDING WIDTH SHALL MATCH THE FULL WIDTH OF THE RAMP FOR A MINIMUM UNOBSTRUCTED DEPTH OF 4'-0". RAMP LANDINGS SHALL BE PROVIDED AT THE TOP AND/OR BOTTOM OF RAMPS WHERE TURNING IS REQUIRED.
11. RAMP SIDE FLARES SHALL BE INSTALLED AT ANY LOCATION WHERE THE SURFACE ADJACENT TO THE RAMP SURFACE IS INTENDED FOR PEDESTRIAN USE. TRIPPING HAZARDS, INCLUDING STEPS, DROP-OFFS, OR CURBS SHALL NOT BE LOCATED WITHIN THE LIMITS OF THE SIDEWALK. RAMP SIDE FLARES ARE NOT REQUIRED WHERE THE SURFACE ADJACENT TO THE RAMP SURFACE IS LANDSCAPED OR IS OCCUPIED BY A BARRIER THAT BLOCKS PEDESTRIAN ACCESS. EXCEPTIONS TO THIS RULE MAY BE SUBMITTED TO THE COMMISSIONER FOR APPROVAL.

 City of Chicago Rahm Emanuel, Mayor Department of Transportation Division of Engineering www.cityofchicago.org	DATE	REVISION	CITY OF CHICAGO GENERAL NOTES <b>SHEET B-3-2</b> SCALE: NOT TO SCALE DATE: 10/23/2008 DRAWN BY: CDOT CHECKED BY: LCM
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION


CITY OF CHICAGO  
ADA STANDARDS

SCALE: N.T.S. SHEET 4 OF 6 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2013-012R	COOK	385	131
CONTRACT NO. 60W30				
ILLINOIS FED. AID PROJECT				

**GENERAL NOTES (CONTINUED):**

12. UTILITIES, SUCH AS LIGHT POLES, TRAFFIC POLES AND HYDRANTS, MAY BE LOCATED IN THE FLARE OF THE RAMP BUT ARE NOT ALLOWED ON THE RAMP SURFACE OR LANDING AREAS. EXISTING UTILITY STRUCTURE LIDS MAY REMAIN WITHIN THE FLARE OR ON THE SURFACE OF THE RAMP IF THE REQUIREMENTS OF GENERAL NOTE #19 ARE MET.
13. ALL LOCATIONS WITH TYPE 4 OR TYPE B CURB (EXCEPT ALLEY APRONS) SHALL BE CONSTRUCTED AS CURB AND GUTTER TYPE BV.12 THROUGH THE LIMITS OF THE CORNER AND THE CURB RAMPS.
14. ALTERATIONS SHALL NOT DECREASE THE ACCESSIBILITY TO EXISTING FACILITIES, SIDEWALKS LEADING TO EXISTING FACILITIES, OR DOOR OR GATE ACCESS POINTS TO FACILITIES. THE ELEVATION AT THE EXISTING PROPERTY LINE OR FACILITY ACCESS POINT SHALL BE MAINTAINED AT A MINIMUM. ANY ALTERATIONS ADJACENT TO OR AFFECTING A FACILITY ACCESS POINT SHALL RESULT IN IMPROVED ACCESS OR AT A MINIMUM A REPLICATION OF EXISTING CONDITIONS, INCLUDING SIDEWALK SLOPES AND SURFACE CONDITIONS. FACILITIES INCLUDE, BUT ARE NOT LIMITED TO PRIVATE BUSINESSES, PUBLIC BUILDINGS, RESIDENCES, BUS STOPS, PUBLIC BENCHES, PAY PHONES, AND PARKING METERS.
15. THE MINIMUM CROSSWALK WIDTH IS 6'-0". CROSSWALKS SHALL BE LOCATED AS SHOWN IN THE PLAN SHEETS DEPENDING ON THE TYPE OF CURB RAMP USED. BEYOND THE CURB FACE AT THE BASE OF CURB RAMPS, A CLEAR SPACE OF 4'-0" BY 4'-0" MINIMUM SHALL BE PROVIDED WITHIN THE STRIPES OF THE CROSSWALK (WHERE PROVIDED).
16. IF SIDEWALK AND ALLEY ARE AT THE SAME GRADE, A RAMP IS NOT REQUIRED. IF SIDEWALK AND DRIVEWAY ARE AT THE SAME GRADE, A RAMP IS NOT REQUIRED BUT DETECTABLE WARNING UNITS ARE STILL REQUIRED IF THE DRIVEWAY HAS TRAFFIC CONTROL DEVICES (I.E. TRAFFIC SIGNALS).
17. MAIN LINE SIDEWALK SHALL HAVE A MAXIMUM CROSS SLOPE NOT TO EXCEED 1:64 FOR THE FULL WIDTH OF WALK UNLESS OTHERWISE APPROVED BY THE COMMISSIONER. WHERE TURNING IS REQUIRED AND WHERE SIDEWALKS INTERSECT, THE SLOPE OF THE SIDEWALK SHALL NOT EXCEED 1:64 IN ANY DIRECTION.
18. MAIN LINE SIDEWALK RUNNING SLOPES SHALL NOT EXCEED 1:24 OR THE GENERAL GRADE ESTABLISHED FOR THE ADJACENT STREET, WHICH EVER IS HIGHER.
19. THERE SHALL BE NO VERTICAL LEVEL DIFFERENCES BETWEEN SURFACES GREATER THAN 1/4" ON THE MAIN LINE SIDEWALK. THERE SHALL BE NO HORIZONTAL GAPS OR OPENINGS GREATER THAN 1/2" ON THE MAIN LINE SIDEWALK.
20. WHERE OBSTRUCTIONS EXIST ON THE MAINLINE SIDEWALK, THE CLEAR WIDTH OF USEABLE SIDEWALK SHALL NOT BE LESS THAN 4'-0". OBSTRUCTIONS INCLUDE, BUT ARE NOT LIMITED TO SIDEWALK BENCHES, FIRE HYDRANTS, SIGNAL OR LIGHT POLES, NEWSPAPER DISPENSERS, TRASH RECEPTACLES, AND UTILITY PEDESTALS.
21. CURB RAMPS AND LANDING (KEYSTONE) TO BE CONSTRUCTED WITH 8" THICK CONCRETE AT ALL TRAFFIC SIGNALIZED INTERSECTIONS AND INDUSTRIAL STREET INTERSECTIONS. AT ALL OTHER LOCATIONS, 5" THICK CONCRETE TO BE USED.
22. DEPRESSED CURB, RAMP, OR SIDEWALK DESIGNS OR LAYOUTS SHALL MAINTAIN OR IMPROVE EXISTING DRAINAGE AND THE EXISTING INTERSECTION GEOMETRY SHALL NOT BE MODIFIED WITHOUT CDOT APPROVAL.
23. ALL CONSTRUCTION DOCUMENTS MUST BE STAMPED BY A LICENSED ARCHITECT/LANDSCAPE ARCHITECT/ENGINEER TO CERTIFY THAT THEY ARE IN ACCORDANCE WITH THE AMERICANS WITH DISABILITIES ACT (ADA) AND ALL CODES AND BUILDING ORDINANCES OF THE CITY OF CHICAGO AND THE STATE OF ILLINOIS.
24. NO DEVIATIONS FROM THESE STANDARDS ARE ALLOWED WITHOUT WRITTEN APPROVAL FROM THE COMMISSIONER.

	DATE	REVISION	CITY OF CHICAGO GENERAL NOTES (CONTINUED) <b>SHEET B-3-3</b>	SCALE: NOT TO SCALE DATE: 10/23/2008	DRAWN BY: CDOT CHECKED BY: GK
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	01/01/14	REVISION 6			

**ADA COMPLIANCE AND TRANSITION GUIDELINES**

POLICY STATEMENT: ANY ALTERATION OF THE PUBLIC WAY MUST BE RESTORED IN AN ADA COMPLIANT MANNER

**I. STREET/ALLEY RESTORATION**

FOR ANY PROJECT WHERE, WITHIN THE PROJECT LIMITS, A CROSSWALK IS ENCOUNTERED OR WHERE THE PROJECT LIMITS TERMINATE WITHIN 4' OR LESS OF A CROSSWALK, THOSE CROSSWALKS AND THE ASSOCIATED CURB RAMPS MUST BE IMPROVED TO CURRENT ADA STANDARDS IF THEY ARE NOT COMPLIANT (SEE APPENDIX A.)

WHEN A PROJECT CALLS FOR ONLY AN INTERSECTION TO BE REPAVED, THE INTERSECTION LIMITS AS DEFINED BY THE AREA OUTLINED BY OUTERMOST CROSSWALK LINES AND ADJACENT CURB FACES AND ALL ADJOINING CROSSWALKS AND CURB RAMPS MUST BE IMPROVED TO CURRENT ADA STANDARDS IF THEY ARE NOT COMPLIANT (SEE APPENDIX A).

WHEN WORK IS LIMITED TO A SINGLE CORNER OF AN INTERSECTION, THE CURB RAMP MUST BE IMPROVED TO CURRENT ADA STANDARDS AND THE ADJACENT PAVEMENT MUST BE RESURFACED, AS NECESSARY TO PROVIDE FOR A FLUSH TRANSITION (SEE APPENDIX A).

WHEN ADA WORK IS LIMITED TO A SINGLE CORNER OF AN INTERSECTION, THE ADJACENT PAVEMENT MUST BE RESTORED TO THE 1/4-POINT OF THE ROADWAY.

FOR ANY CONSTRUCTION WHERE, WITHIN THE PROJECT LIMITS, AN ALLEY APRON IS ENCOUNTERED, THE ASSOCIATED CURB RAMPS, ALLEY APRON, AND SIDEWALKS MUST BE IMPROVED TO CURRENT ADA STANDARDS IF THEY ARE NOT COMPLIANT (SEE APPENDIX A).

**II. SIDEWALK INSTALLATION / REPAIRS / RECONSTRUCTION**

THE LIMITS OF ANY MAINLINE SIDEWALK REPLACEMENT, GREATER THAN TEN FEET (10') IN LENGTH, THAT ABUT AN EXISTING RAMP, KEYSTONE, TRANSITION PANEL, AND/OR LANDING AREA (THIS TOTAL LENGTH INCLUDES THE PRIOR ELEMENTS), SHALL BE EXTENDED TO INCLUDE THE AFFECTED RAMPS AND THESE RAMPS SHALL BE RECONSTRUCTED TO CURRENT ADA STANDARDS. IN ADDITION, ALL NEWLY PLACED SIDEWALK TEN FEET (10') OR MORE IN LENGTH SHALL BE CONSTRUCTED IN ACCORDANCE WITH ALL CURRENT APPLICABLE STANDARDS WHICH INCLUDE PROVIDING A MINIMUM FOUR FEET (4') WIDTH ACCESSIBLE PATHWAY WITH A CROSS SLOPE NOT TO EXCEED 1:64 (SEE APPENDIX A).

**III. GUIDELINES FOR TRANSITIONING TO EXISTING NON-COMPLIANT CONDITION**

NEW SIDEWALK PLACEMENTS GREATER THAN TEN FEET IN CONTIGUOUS LENGTH:

THE LIMITS OF ANY MAINLINE SIDEWALK REPLACEMENT, GREATER THAN TEN FEET (10') IN LENGTH, MUST BE EXTENDED FOR A MINIMUM FIVE ADDITIONAL FEET (5') EITHER SIDE IN ORDER TO PROVIDE A TRANSITION TO MATCH THE EXISTING SIDEWALK. THE LENGTH OF TRANSITION SHALL BE LENGTHENED AS NECESSARY TO ENSURE THAT THE RUNNING SLOPE OF THE TRANSITION DOES NOT EXCEED A SLOPE OF 1:24 (PREFERRED) OR 1:14 (MAXIMUM) AT ANY POINT.


NEW SIDEWALK REPLACEMENTS TEN FEET OR LESS IN CONTIGUOUS LENGTH (REPAIRS):

IT IS ACCEPTABLE PRACTICE TO MATCH ADJACENT SIDEWALKS AT THE EXISTING SLOPE.

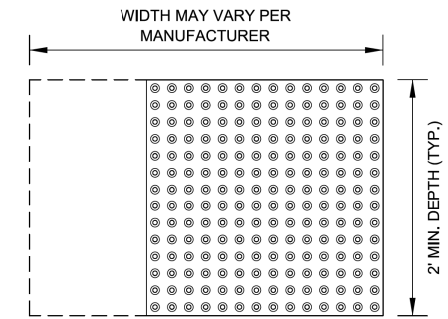
**CURB RAMP REPLACEMENTS**

WHEN REPLACING AN ADA RAMP, THE SIDEWALK REPLACEMENT MUST EXTEND BEYOND THE LIMITS OF THE LANDING AREA AND/OR THE "KEYSTONE" A MINIMUM OF AN ADDITIONAL FIVE FEET (5') ON EITHER SIDE IN ORDER TO PROVIDE A TRANSITION TO MATCH THE EXISTING SIDEWALK. THE TRANSITION PANEL SHALL BE LENGTHENED AS NECESSARY TO ENSURE THAT THE RUNNING SLOPE OF THE TRANSITION PANEL DOES NOT EXCEED A SLOPE OF 1:24 (PREFERRED) OR 1:14 (MAXIMUM) AT ANY POINT.

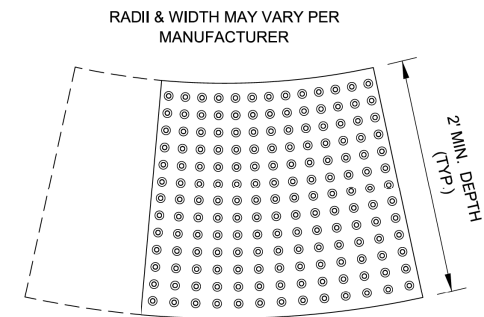
NO EXCEPTIONS TO THE ABOVE WILL BE ALLOWED WITHOUT WRITTEN APPROVAL FROM THE COMMISSIONER.

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	08/10/12	REVISION 5			
	01/01/14	REVISION 6			

**STRAIGHT DETECTABLE WARNING UNITS**




**RADIAL DETECTABLE WARNING UNITS**



**DETECTABLE WARNING UNIT SIZES**

- VERIFY ALL DIMENSIONS WITH THE PRODUCT MANUFACTURER.
- IF USING RADIAL UNITS, VERIFY THAT THE CURB RADIUS MATCHES AVAILABLE UNIT RADII WITH THE PRODUCT MANUFACTURER.
- APPROVED LIST OF DETECTABLE WARNING PRODUCTS CAN BE FOUND ON CDOT'S WEBSITE ([www.cityofchicago.org](http://www.cityofchicago.org)).

	DATE	REVISION	CITY OF CHICAGO DETECTABLE WARNING UNIT SIZES <b>SHEET B-4-1</b>	SCALE: NOT TO SCALE DATE: 10/23/2008	DRAWN BY: CDOT CHECKED BY: LCM
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	11/02/09	REVISION 4			
	08/10/12	REVISION 5			

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

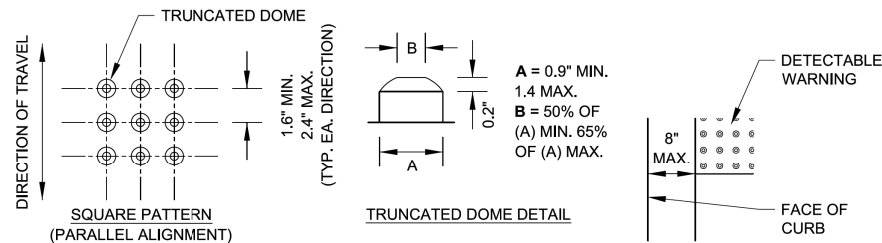
**CITY OF CHICAGO  
ADA STANDARDS**

SCALE: N.T.S. SHEET 5 OF 6 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2013-012R	COOK	385	132
CONTRACT NO. 60W30				
ILLINOIS FED. AID PROJECT				

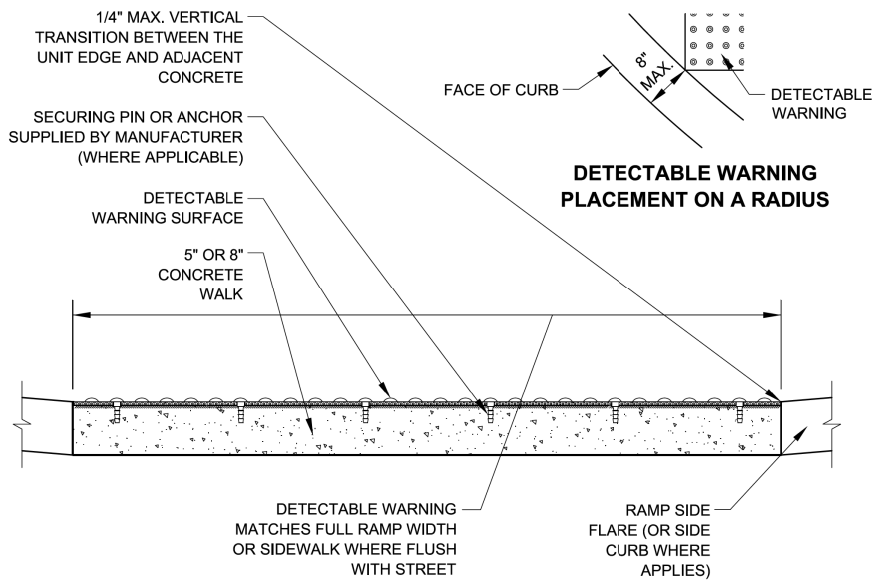
**GENERAL NOTE:**

THE ROWS OF DOMES IN THE DETECTABLE WARNING MATERIAL MUST BE ALIGNED WITH THE PATH OF WHEELCHAIR TRAVEL WHICH IS REQUIRED TO BE PERPENDICULAR TO THE GRADE BREAK AT THE BOTTOM OF THE RAMP TO PERMIT TRACKING BETWEEN DOME ROWS. ON BLENDED TRANSITIONS OR FLUSH TRANSITIONS, WHERE RADIAL UNITS ARE SITUATED ABOUT THE CURB RADIUS, DOME ORIENTATION IS NOT SIGNIFICANT.



**UNIT PATTERN & DOME DETAIL**

**TYPICAL DETECTABLE WARNING PLACEMENT**

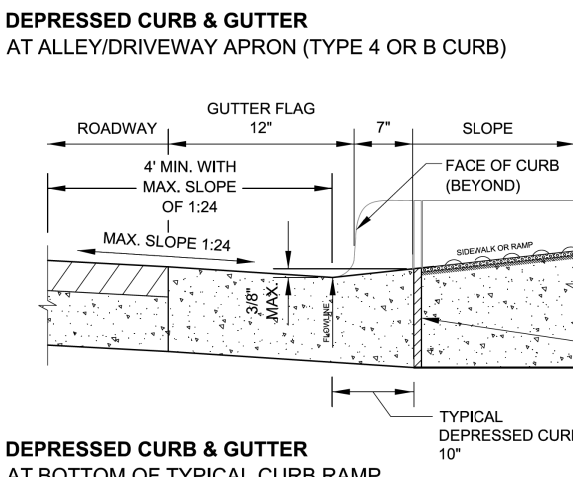
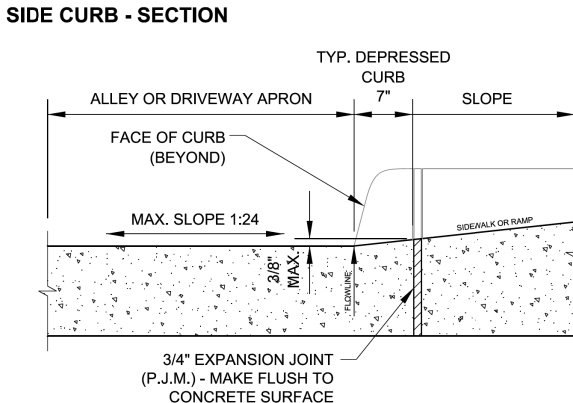
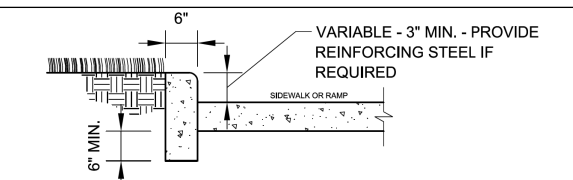


**DETECTABLE WARNING UNIT SECTION**



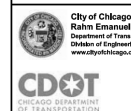
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02/20/07	REVISION 1
11/15/07	REVISION 2
11/14/08	REVISION 3
11/02/09	REVISION 4
08/10/12	REVISION 5

CITY OF CHICAGO  
DETECTABLE WARNING UNIT DETAILS  
**SHEET B-4-2**  
SCALE: NOT TO SCALE  
DATE: 10/23/2008  
DRAWN BY: CDOT  
CHECKED BY: LCM



**NOTES FOR CURB & GUTTER DETAILS THIS SHEET:**

- A. CROSS SLOPE AT DEPRESSED CURB & GUTTER NOT TO EXCEED 1:64.
- B. DETECTABLE WARNING SURFACE AT DRIVEWAYS REQUIRED ONLY FOR COMMERCIAL DRIVEWAYS WITH TRAFFIC CONTROL DEVICES, I.E. SIGNALS.
- C. REFER TO REGULATIONS FOR OPENINGS, CONSTRUCTION AND REPAIR IN THE PUBLIC WAY (CDOT) FOR ADDITIONAL REQUIREMENTS FOR CURB AND GUTTER INSTALLATION.
- D. RAMP SIDE FLARES SHALL BE INSTALLED AT ANY LOCATION WHERE THE SURFACE ADJACENT TO THE RAMP SURFACE IS INTENDED FOR PEDESTRIAN USE. TRIPPING HAZARDS, INCLUDING STEPS, DROP-OFFS, OR SIDE CURBS SHALL NOT BE LOCATED WITHIN THE LIMITS OF THE SIDEWALK.
- E. 'P.J.M.' THIS SHEET REFERS TO PREFORMED JOINT MATERIAL.



DATE	REVISION
02/20/07	REVISION 1
11/15/07	REVISION 2
11/14/08	REVISION 3
11/02/09	REVISION 4
08/10/12	REVISION 5

CITY OF CHICAGO  
CURB & GUTTER DETAILS  
**SHEET B-4-3**  
SCALE: NOT TO SCALE  
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DRAWN BY: CDOT  
CHECKED BY: LCM

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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CITY OF CHICAGO  
ADA STANDARDS

SCALE: N.T.S. SHEET 6 OF 6 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2013-012R	COOK	385	133
CONTRACT NO. 60W30				
ILLINOIS FED. AID PROJECT				

**PAVEMENT MARKING SCHEDULE**

LOCATION	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS													
	SO FT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT
TAYLOR STREET	117	1739	424	152	103	1139					872	74		111
TAYLOR STREET ENTRANCE RAMP							332				815	40	65	54
TAYLOR STREET EXIT RAMP						18	239		398		33	38		73
RUBLE STREET						0					98	47	160	98
I-90/94 SOUTHBOUND							4741	1710	1668	162				
I-90/94 NORTHBOUND							1251	313						
ROUNDED TOTAL	117	1739	424	152	103	1157	6563	2023	2066	162	1818	199	225	336

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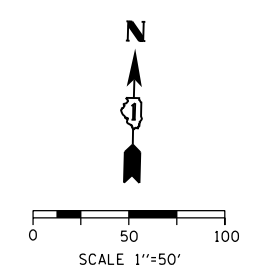
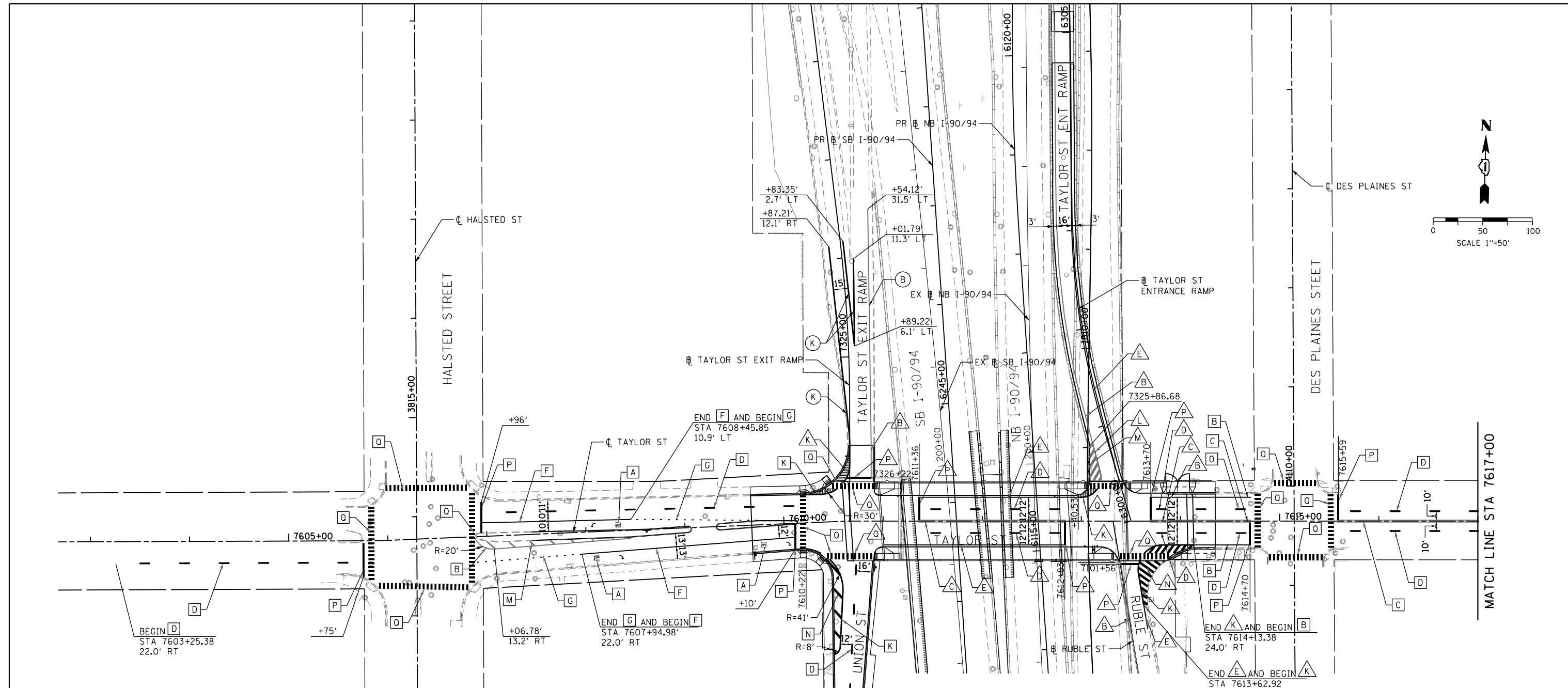


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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>PAVEMENT MARKING SCHEDULE</b>			
SCALE: NONE	SHEET 1 OF 1 SHEETS	STA.	TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2013-012R	COOK	385	134
<b>CONTRACT NO. 60W30</b>				
ILLINOIS FED. AID PROJECT				



**PAVEMENT MARKING NOTES**

- ALL FINAL PAVEMENT MARKING MATERIALS PLACED ON PCC PAVEMENT SHALL BE POLYUREA TYPE I EXCEPT WHERE NOTED IN THE PLANS.
- ALL FINAL PAVEMENT MARKING MATERIALS PLACED ON BITUMINOUS PAVEMENT SHALL BE THERMOPLASTIC EXCEPT WHERE NOTED IN THE PLANS.
- ALL FINAL PAVEMENT MARKING SYMBOLS SHALL BE OF SMALL SIZE.
- ALL DAMAGE TO EXISTING PAVEMENT MARKINGS OR RAISED REFLECTIVE PAVEMENT MARKERS OUTSIDE OF THE IMPROVEMENT LIMITS SHOWN ON THE PLANS SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
- BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RECORD AND RETAIN ALL EXISTING PAVEMENT MARKINGS AND MARKERS FOR FUTURE REFERENCE. EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE DIRECTED BY THE ENGINEER.
- THE RESIDENT ENGINEER SHALL CONTACT MATTHEW DAEDA, EXPRESSWAY TRAFFIC CONTROL SUPERVISOR AT 847-705-4155 A MINIMUM OF 2 WEEKS PRIOR TO PLACEMENT OF PERMANENT PAVEMENT MARKINGS.

- SEE PAVEMENT MARKING DETAIL SHEETS FOR ADDITIONAL INFORMATION.
- TEMPORARY PAVEMENT MARKINGS SHALL BE INSTALLED FOR AN INTERIM PERIOD FOLLOWING COMPLETION OF THE ROADWAY'S CONCRETE BASE, PRIOR TO THE PLACEMENT OF FINAL ASPHALT SURFACE PER THE DIRECTION OF THE ENGINEER. TEMPORARY CROSSWALK MARKINGS MAY BE PLACED WITH TWO 6-INCH LINES IN PLACE OF THE CONTINENTAL STYLE DURING THE INTERIM PERIOD.
- FOR ADDITIONAL DETAILS, SEE CITY OF CHICAGO TYPICAL PAVEMENT MARKINGS TC-24.
- ALL MEDIAN NOSES SHALL HAVE YELLOW PAVEMENT MARKINGS.
- THE STATION OR OFFSET FOR STOP BAR LOCATIONS IS GIVEN AT THE MIDDLE OF THE STOP BAR.
- A MINIMUM DISTANCE OF 4 FEET SHALL BE MAINTAINED BETWEEN THE EDGE OF THE CROSSWALK AND THE EDGE OF THE STOP BAR CLOSEST TO IT UNLESS OTHERWISE NOTED IN THE PLANS.
- EDGE LINES ON THE TAYLOR ST ENTRANCE RAMP SHALL BE PLACED IN ORDER TO PROVIDE A MINIMUM OF A 16-FOOT RAMP TRAVEL LANE. EDGE LINES WILL BE APPROXIMATELY 3-FEET FROM THE TOE OF THE EXISTING RAMP PARAPET.

**LEGEND**

PAVEMENT MARKING MATERIAL		PAVEMENT MARKING TYPE	
○	EPOXY PAVEMENT MARKING	A	LETTERS AND SYMBOLS (WHITE)
◇	TEMPORARY PAVEMENT MARKING	B	4" YELLOW LINE
□	THERMOPLASTIC PAVEMENT MARKING	C	4" DOUBLE YELLOW CENTERLINE
△	POLYUREA PAVEMENT MARKING TYPE I	D	4" WHITE LINE (6' DASH, 18' SKIP)
⬡	PREFORMED THERMOPLASTIC PAVEMENT MARKING	E	4" WHITE LINE
		F	6" WHITE LINE
		G	6" WHITE LINE (2' DASH, 6' SKIP)
		H	6" WHITE LINE (3' DASH, 9' SKIP)
		I	6" WHITE LINE (45° DIAGONALS) 20' C-C
		J	6" YELLOW LINE
		K	8" WHITE LINE
		L	8" YELLOW LINE
		M	12" YELLOW LINE (45 DEGREE DIAGONAL)
		N	12" WHITE LINE (45 DEGREE DIAGONAL)
		O	12" WHITE LINE (2' DASH, 2' SKIP)
		P	24" WHITE STOP BAR
		Q	24" WHITE CROSSWALK, 6' WIDTH 4' C-C
		R	24" WHITE CROSSWALK, 8' WIDTH 4' C-C

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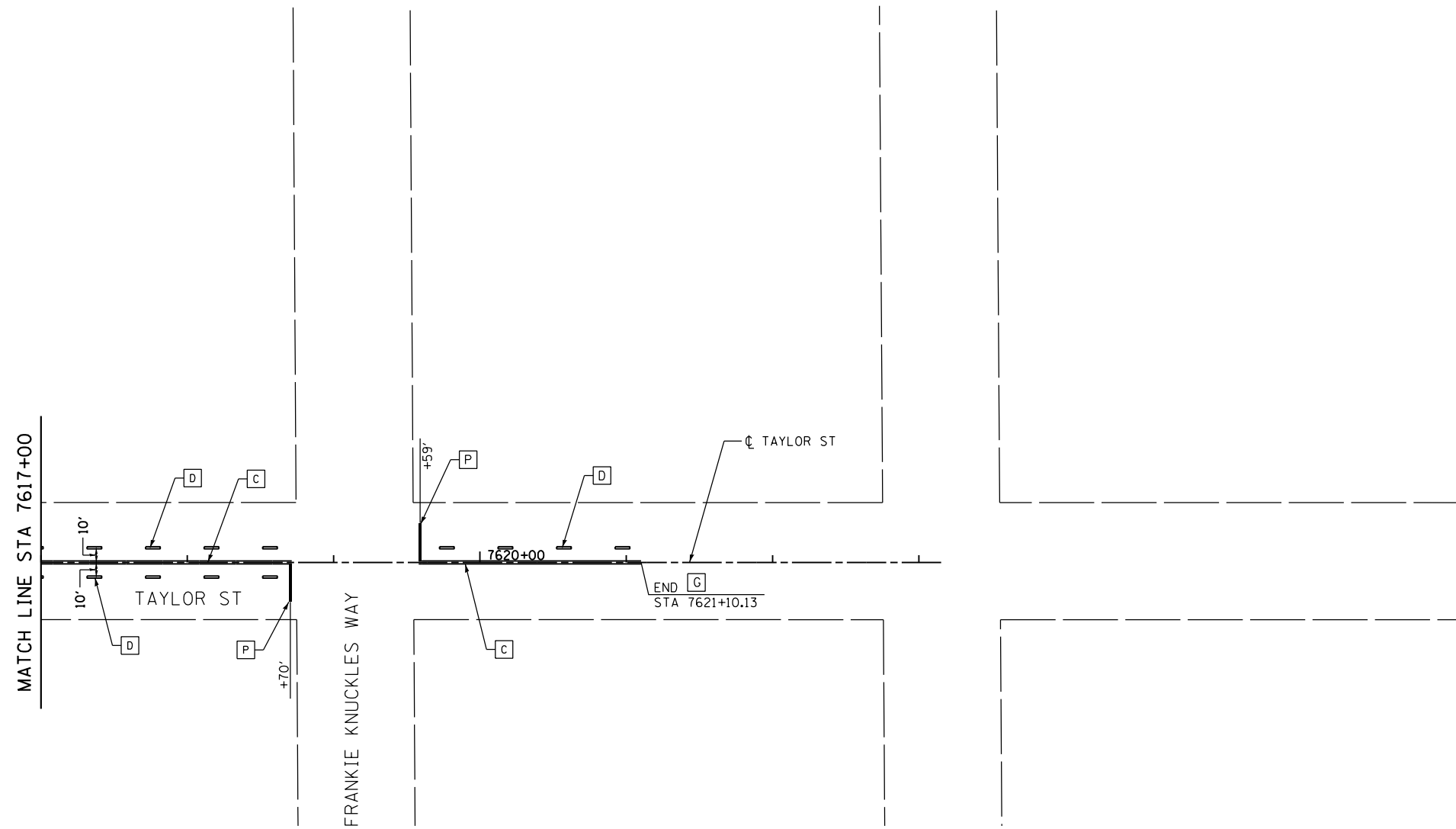
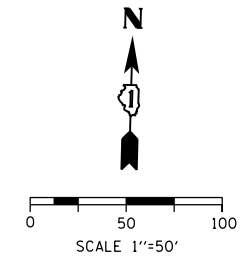
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING PLAN  
TAYLOR STREET**

SCALE: 1" = 50'    SHEET 1 OF 2 SHEETS    STA.    TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2013-012R	COOK	385	135
CONTRACT NO. 60W30			ILLINOIS FED. AID PROJECT	



**PAVEMENT MARKING NOTES**

1. ALL FINAL PAVEMENT MARKING MATERIALS PLACED ON PCC PAVEMENT SHALL BE POLYUREA TYPE I EXCEPT WHERE NOTED IN THE PLANS.
2. ALL FINAL PAVEMENT MARKING MATERIALS PLACED ON BITUMINOUS PAVEMENT SHALL BE THERMOPLASTIC EXCEPT WHERE NOTED IN THE PLANS.
3. ALL FINAL PAVEMENT MARKING SYMBOLS SHALL BE OF SMALL SIZE.
4. ALL DAMAGE TO EXISTING PAVEMENT MARKINGS OR RAISED REFLECTIVE PAVEMENT MARKERS OUTSIDE OF THE IMPROVEMENT LIMITS SHOWN ON THE PLANS SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
5. BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RECORD AND RETAIN ALL EXISTING PAVEMENT MARKINGS AND MARKERS FOR FUTURE REFERENCE. EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE DIRECTED BY THE ENGINEER.
6. THE RESIDENT ENGINEER SHALL CONTACT MATTHEW DAEDA, EXPRESSWAY TRAFFIC CONTROL SUPERVISOR AT 847-705-4155 A MINIMUM OF 2 WEEKS PRIOR TO PLACEMENT OF PERMANENT PAVEMENT MARKINGS.

7. TEMPORARY PAVEMENT MARKINGS SHALL BE INSTALLED FOR AN INTERIM PERIOD FOLLOWING COMPLETION OF THE ROADWAY'S CONCRETE BASE, PRIOR TO THE PLACEMENT OF FINAL ASPHALT SURFACE PER THE DIRECTION OF THE ENGINEER. TEMPORARY CROSSWALK MARKINGS MAY BE PLACED WITH TWO 6-INCH LINES IN PLACE OF THE CONTINENTAL STYLE DURING THE INTERIM PERIOD.
8. FOR ADDITIONAL DETAILS, SEE CITY OF CHICAGO TYPICAL PAVEMENT MARKINGS TC-24.
9. ALL MEDIAN NOSES SHALL HAVE YELLOW PAVEMENT MARKINGS.
10. THE STATION OR OFFSET FOR STOP BAR LOCATIONS IS GIVEN AT THE MIDDLE OF THE STOP BAR.
11. A MINIMUM DISTANCE OF 4 FEET SHALL BE MAINTAINED BETWEEN THE EDGE OF THE CROSSWALK AND THE EDGE OF THE STOP BAR CLOSEST TO IT UNLESS OTHERWISE NOTED IN THE PLANS.

**LEGEND**

**PAVEMENT MARKING MATERIAL**

- EPOXY PAVEMENT MARKING
- TEMPORARY PAVEMENT MARKING
- THERMOPLASTIC PAVEMENT MARKING
- POLYUREA PAVEMENT MARKING TYPE I
- PREFORMED THERMOPLASTIC PAVEMENT MARKING

**PAVEMENT MARKING TYPE**

- A - LETTERS AND SYMBOLS (WHITE)
- B - 4" YELLOW LINE
- C - 4" DOUBLE YELLOW CENTERLINE
- D - 4" WHITE LINE (6' DASH, 18' SKIP)
- E - 4" WHITE LINE
- F - 6" WHITE LINE
- G - 6" WHITE LINE (2' DASH, 6' SKIP)
- H - 6" WHITE LINE (3' DASH, 9' SKIP)
- I - 6" WHITE LINE (45° DIAGONALS) 20' C-C
- J - 6" YELLOW LINE
- K - 8" WHITE LINE
- L - 8" YELLOW LINE
- M - 12" YELLOW LINE (45 DEGREE DIAGONAL)
- N - 12" WHITE LINE (45 DEGREE DIAGONAL)
- O - 12" WHITE LINE (2' DASH, 2' SKIP)
- P - 24" WHITE STOP BAR
- Q - 24" WHITE CROSSWALK, 6' WIDTH 4' C-C
- R - 24" WHITE CROSSWALK, 8' WIDTH 4' C-C

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING PLAN  
TAYLOR STREET**

SCALE: 1" = 50' SHEET 2 OF 2 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2013-012R	COOK	385	136
CONTRACT NO. 60W30				
ILLINOIS FED. AID PROJECT				

**PAVEMENT MARKING NOTES**

- ALL FINAL PAVEMENT MARKING MATERIALS PLACED ON PCC PAVEMENT SHALL BE POLYUREA TYPE I EXCEPT WHERE NOTED IN THE PLANS.
- ALL FINAL PAVEMENT MARKING MATERIALS PLACED ON BITUMINOUS PAVEMENT SHALL BE THERMOPLASTIC EXCEPT WHERE NOTED IN THE PLANS.
- ALL FINAL PAVEMENT MARKING SYMBOLS SHALL BE OF SMALL SIZE.
- ALL DAMAGE TO EXISTING PAVEMENT MARKINGS OR RAISED REFLECTIVE PAVEMENT MARKERS OUTSIDE OF THE IMPROVEMENT LIMITS SHOWN ON THE PLANS SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
- BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RECORD AND RETAIN ALL EXISTING PAVEMENT MARKINGS AND MARKERS FOR FUTURE REFERENCE. EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE DIRECTED BY THE ENGINEER.
- THE RESIDENT ENGINEER SHALL CONTACT EXPRESSWAY TRAFFIC CONTROL SUPERVISOR AT 847-705-4155 AND ARTERIAL TRAFFIC CONTROL SUPERVISOR AT 847-705-4470 A MINIMUM OF 2 WEEKS PRIOR TO PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
- PARTIAL STATIONS PROVIDED REFER TO MAINLINE I-290 UNLESS OTHERWISE NOTED.
- MAINLINE AND RAMP LANE WIDTHS ARE 12' AND 11', RESPECTIVELY, UNLESS OTHERWISE NOTED.
- SEE PAVEMENT MARKING DETAIL SHEETS FOR ADDITIONAL INFORMATION.
- STATIONS AND OFFSETS ARE FROM EXISTING I-90/94 BASELINES.

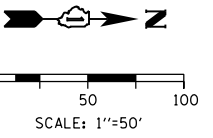
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**PAVEMENT MARKING MATERIAL**

- EPOXY PAVEMENT MARKING
- ◇ PAVEMENT MARKING TAPE, TYPE III
- THERMOPLASTIC PAVEMENT MARKING
- △ POLYUREA PAVEMENT MARKING TYPE I

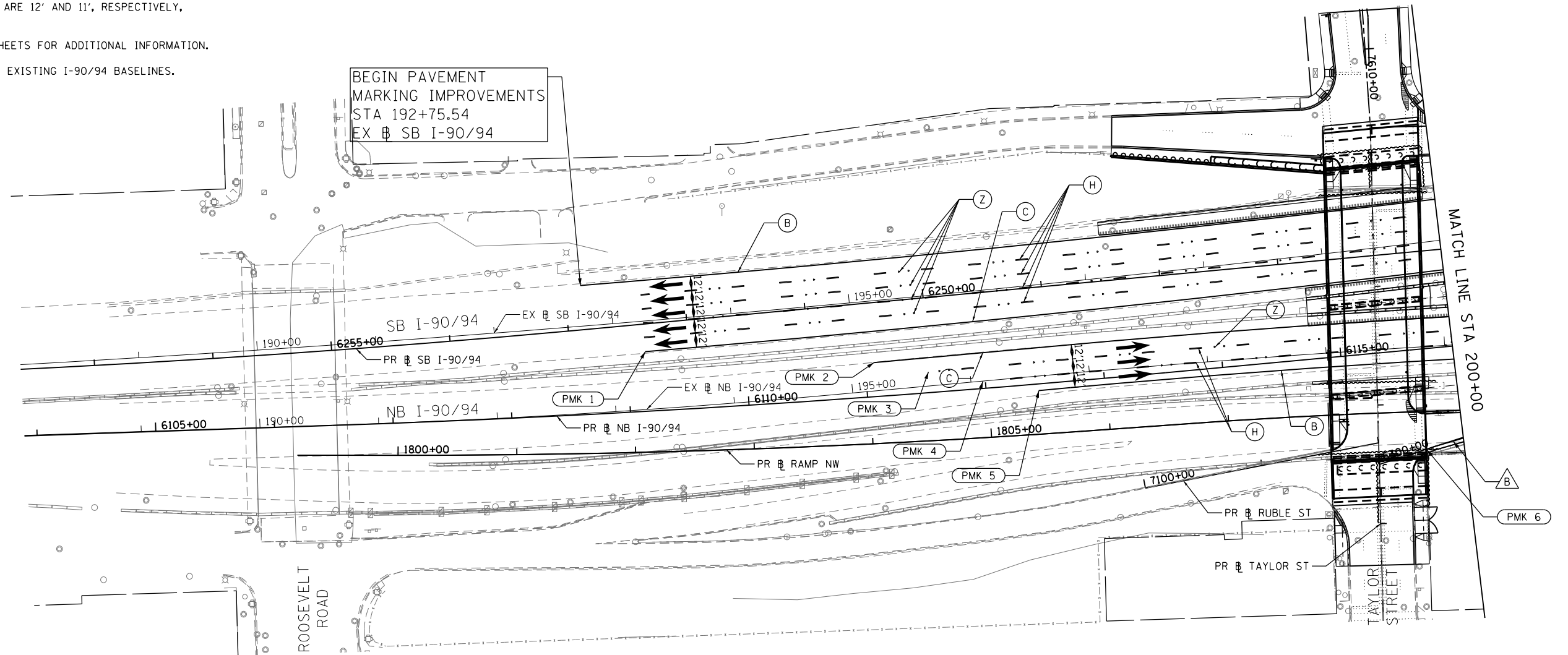
**PAVEMENT MARKING TYPE**

- A - LETTERS AND SYMBOLS (WHITE)
- B - 4" WHITE EDGE LINE
- C - 4" YELLOW LINE
- D - 4" DOUBLE YELLOW CENTERLINE
- E - 4" WHITE (6' DASH, 18' SKIP)
- F - 4" YELLOW (6' DASH, 18' SKIP)
- G - 4" WHITE (2' DASH, 6' SKIP)
- H - 5" WHITE (10' DASH, 30' SKIP)
- I - 6" WHITE SOLID LINE
- J - 6" WHITE (2' DASH, 6' SKIP)
- K - 6" WHITE 45° DIAGONALS SPACED @ 20' CENTERS
- L - 8" WHITE EDGE LINE
- M - 8" WHITE DOTTED LANE LINE, 3' DASH, 9' SKIP
- N - 12" WHITE 45° DIAGONALS SPACED @ 20' CENTERS
- O - 12" WHITE 45° DIAGONALS SPACED @ 30' CENTERS
- P - 12" WHITE 45° DIAGONALS SPACED @ 50' CENTERS
- Q - 12" YELLOW 45° DIAGONALS SPACED @ 50' CENTERS
- R - 12" YELLOW 45° DIAGONALS SPACED @ 500' CENTERS
- S - 12" WHITE CHEVRONS SPACED @ 30' CENTERS
- T - 24" WHITE STOP BAR
- U - 24" WHITE CROSSWALK, 6' WIDTH, SPACED @ 4' CENTERS
- Y - RAISED REFLECTIVE PAVEMENT MARKER (BRIDGE) (1-WAY CRYSTAL / OPAQUE)
- Z - RAISED REFLECTIVE PAVEMENT MARKER (1-WAY CRYSTAL / OPAQUE)



BEGIN PAVEMENT MARKING IMPROVEMENTS  
STA 192+75.54  
EX @ SB I-90/94

- PMK 1 - BEGIN (C)  
STA 193+25.50, 25.72' RT  
(EX @ SB I-90/94)
- PMK 2 - BEGIN (C)  
STA 195+20.13, 23.80' LT  
(EX @ NB I-90/94)
- PMK 3 - BEGIN (H) AND (Z)  
STA 195+65.10, 11.80' LT  
(EX @ NB I-90/94)
- PMK 4 - BEGIN (H) AND (Z)  
STA 196+10.07, 0.20' RT  
(EX @ NB I-90/94)
- PMK 5 - BEGIN (B)  
STA 196+56.25, 12.20' RT  
(EX @ NB I-90/94)
- PMK 5 - BEGIN (A)  
STA 199+79.49, 86.63' RT  
(EX @ NB I-90/94)



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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

MAINLINE PAVEMENT MARKING PLAN

SCALE: 1"=50' SHEET 1 OF 3 SHEETS STA. 188+00 TO STA. 200+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2013-012R	COOK	385	137
CONTRACT NO. 60W30			ILLINOIS FED. AID PROJECT	

**PAVEMENT MARKING NOTES**

- ALL FINAL PAVEMENT MARKING MATERIALS PLACED ON PCC PAVEMENT SHALL BE POLYUREA TYPE I EXCEPT WHERE NOTED IN THE PLANS.
- ALL FINAL PAVEMENT MARKING MATERIALS PLACED ON BITUMINOUS PAVEMENT SHALL BE THERMOPLASTIC EXCEPT WHERE NOTED IN THE PLANS.
- ALL FINAL PAVEMENT MARKING SYMBOLS SHALL BE OF SMALL SIZE.
- ALL DAMAGE TO EXISTING PAVEMENT MARKINGS OR RAISED REFLECTIVE PAVEMENT MARKERS OUTSIDE OF THE IMPROVEMENT LIMITS SHOWN ON THE PLANS SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
- BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RECORD AND RETAIN ALL EXISTING PAVEMENT MARKINGS AND MARKERS FOR FUTURE REFERENCE. EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE DIRECTED BY THE ENGINEER.
- THE RESIDENT ENGINEER SHALL CONTACT EXPRESSWAY TRAFFIC CONTROL SUPERVISOR AT 847-705-4155 AND ARTERIAL TRAFFIC CONTROL SUPERVISOR AT 847-705-4470 A MINIMUM OF 2 WEEKS PRIOR TO PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
- PARTIAL STATIONS PROVIDED REFER TO MAINLINE I-290 UNLESS OTHERWISE NOTED.
- MAINLINE AND RAMP LANE WIDTHS ARE 12' AND 11', RESPECTIVELY, UNLESS OTHERWISE NOTED.
- SEE PAVEMENT MARKING DETAIL SHEETS FOR ADDITIONAL INFORMATION.
- STATIONS AND OFFSETS ARE FROM EXISTING I-90/94 BASELINES, UNLESS OTHERWISE NOTED.

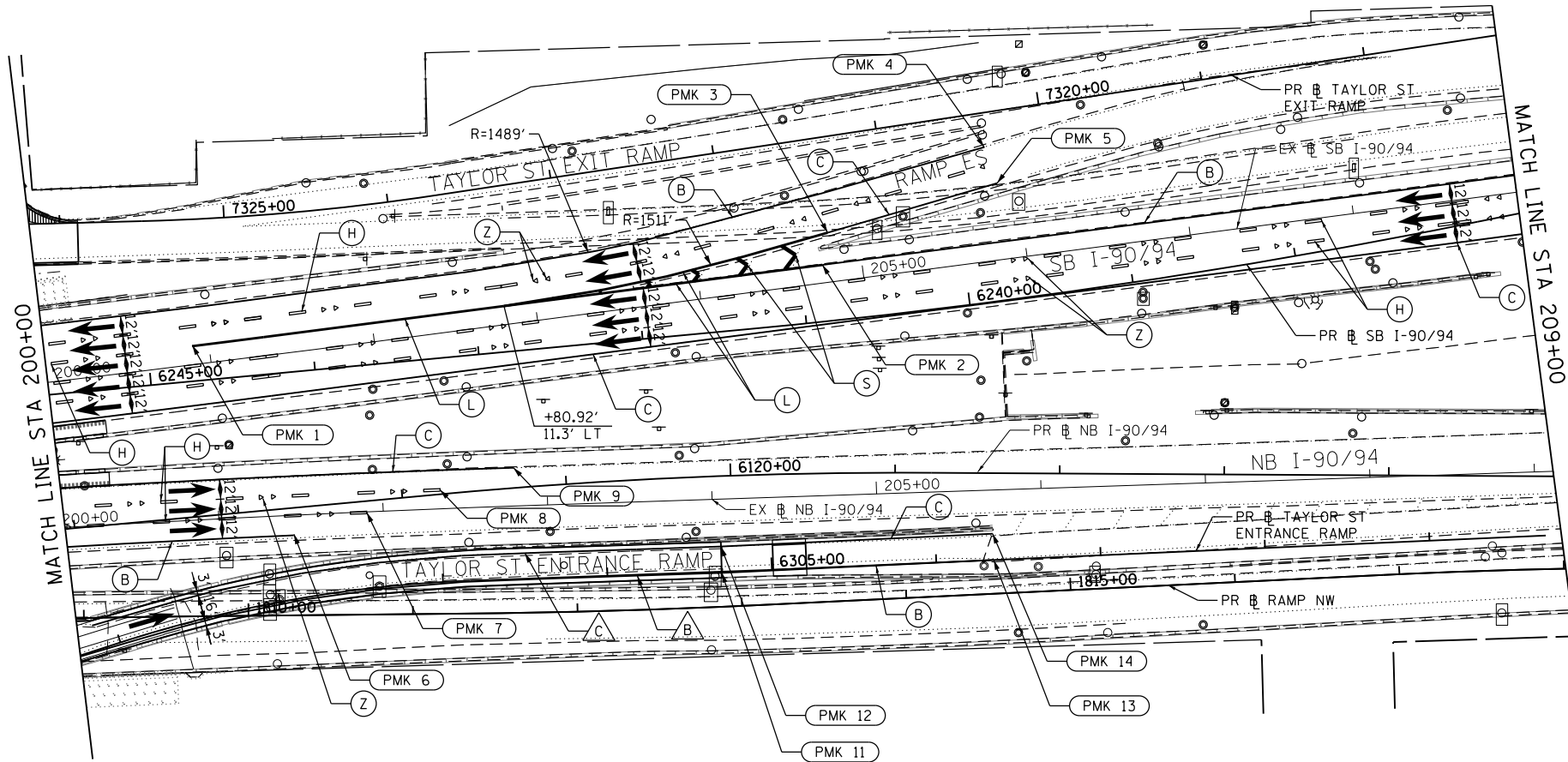
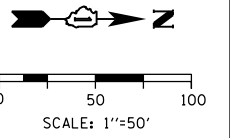
**LEGEND**

**PAVEMENT MARKING MATERIAL**

- EPOXY PAVEMENT MARKING
- ◇ PAVEMENT MARKING TAPE, TYPE III
- THERMOPLASTIC PAVEMENT MARKING
- △ POLYUREA PAVEMENT MARKING TYPE I

**PAVEMENT MARKING TYPE**

- A - LETTERS AND SYMBOLS (WHITE)
- B - 4" WHITE EDGE LINE
- C - 4" YELLOW LINE
- D - 4" DOUBLE YELLOW CENTERLINE
- E - 4" WHITE (6' DASH, 18' SKIP)
- F - 4" YELLOW (6' DASH, 18' SKIP)
- G - 4" WHITE (2' DASH, 6' SKIP)
- H - 5" WHITE (10' DASH, 30' SKIP)
- I - 6" WHITE SOLID LINE
- J - 6" WHITE (2' DASH, 6' SKIP)
- K - 6" WHITE 45° DIAGONALS SPACED @ 20' CENTERS
- L - 8" WHITE EDGE LINE
- M - 8" WHITE DOTTED LANE LINE, 3' DASH, 9' SKIP
- N - 12" WHITE 45° DIAGONALS SPACED @ 20' CENTERS
- O - 12" WHITE 45° DIAGONALS SPACED @ 30' CENTERS
- P - 12" WHITE 45° DIAGONALS SPACED @ 500' CENTERS
- Q - 12" YELLOW 45° DIAGONALS SPACED @ 50' CENTERS
- R - 12" YELLOW 45° DIAGONALS SPACED @ 500' CENTERS
- S - 12" WHITE CHEVRONS SPACED @ 30' CENTERS
- T - 24" WHITE STOP BAR
- U - 24" WHITE CROSSWALK, 6' WIDTH, SPACED @ 4' CENTERS
- Y - RAISED REFLECTIVE PAVEMENT MARKER (BRIDGE) (1-WAY CRYSTAL / OPAQUE)
- Z - RAISED REFLECTIVE PAVEMENT MARKER (1-WAY CRYSTAL / OPAQUE)



- PMK 1 - BEGIN (L) STA 200+89.77, 11.25' LT (EX SB I-90/94)
- PMK 2 - END (L) AND BEGIN (B) STA 204+76.03, 10.96' LT (EX SB I-90/94)
- PMK 3 - END (L) AND BEGIN (C) STA 204+81.79, 29.96' LT (EX SB I-90/94)
- PMK 4 - END (B) STA 205+82.82, 69.18' LT (EX SB I-90/94)
- PMK 5 - END (C) STA 205+87.76, 46.44' LT (EX SB I-90/94)
- PMK 6 - END (B) STA 201+45.04, 12.19' RT (EX NB I-90/94)
- PMK 7 - END (H) STA 201+89.99, 0.34' RT (EX NB I-90/94)
- PMK 8 - END (H) STA 202+35.07, 11.48' LT (EX NB I-90/94)
- PMK 9 - END (C) STA 202+80.06, 23.28' LT (EX NB I-90/94)
- PMK 11 - END (B) AND BEGIN (B) STA 6304+69.54, 0.72' RT (PR TAYLOR ENT RAMP)
- PMK 12 - END (C) AND BEGIN (C) STA 6304+69.53, 15.29' LT (PR TAYLOR ENT RAMP)
- PMK 13 - END (B) STA 6306+34.99, 0' RT (PR TAYLOR ENT RAMP)
- PMK 14 - END (C) STA 6306+34.99, 16' LT (PR TAYLOR ENT RAMP)

FILE PATH = C:\Users\dishevoz\Desktop\60W30\_PLOT\DI60W30-SHT-PMK-ML-02.dgn



D160W30-SHT-PMK-ML-02.dgn	DESIGNED - ZND	REVISED -
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PLOT DATE = 10/23/2014	DATE - 10/24/2014	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**MAINLINE PAVEMENT MARKING PLAN**

SCALE: 1"=50' SHEET 2 OF 3 SHEETS STA. 200+00 TO STA. 209+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2013-012R	COOK	385	138
CONTRACT NO. 60W30				
ILLINOIS FED. AID PROJECT				



### PAVEMENT MARKING NOTES

- ALL FINAL PAVEMENT MARKING MATERIALS PLACED ON PCC PAVEMENT SHALL BE POLYUREA TYPE I EXCEPT WHERE NOTED IN THE PLANS.
- ALL FINAL PAVEMENT MARKING MATERIALS PLACED ON BITUMINOUS PAVEMENT SHALL BE THERMOPLASTIC EXCEPT WHERE NOTED IN THE PLANS.
- ALL FINAL PAVEMENT MARKING SYMBOLS SHALL BE OF SMALL SIZE.
- ALL DAMAGE TO EXISTING PAVEMENT MARKINGS OR RAISED REFLECTIVE PAVEMENT MARKERS OUTSIDE OF THE IMPROVEMENT LIMITS SHOWN ON THE PLANS SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
- BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RECORD AND RETAIN ALL EXISTING PAVEMENT MARKINGS AND MARKERS FOR FUTURE REFERENCE. EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE DIRECTED BY THE ENGINEER.
- THE RESIDENT ENGINEER SHALL CONTACT EXPRESSWAY TRAFFIC CONTROL SUPERVISOR AT 847-705-4155 AND ARTERIAL TRAFFIC CONTROL SUPERVISOR AT 847-705-4470 A MINIMUM OF 2 WEEKS PRIOR TO PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
- PARTIAL STATIONS PROVIDED REFER TO MAINLINE I-290 UNLESS OTHERWISE NOTED.
- MAINLINE AND RAMP LANE WIDTHS ARE 12' AND 11', RESPECTIVELY, UNLESS OTHERWISE NOTED.
- SEE PAVEMENT MARKING DETAIL SHEETS FOR ADDITIONAL INFORMATION.
- STATIONS AND OFFSETS ARE FROM EXISTING I-90/94 BASELINES.

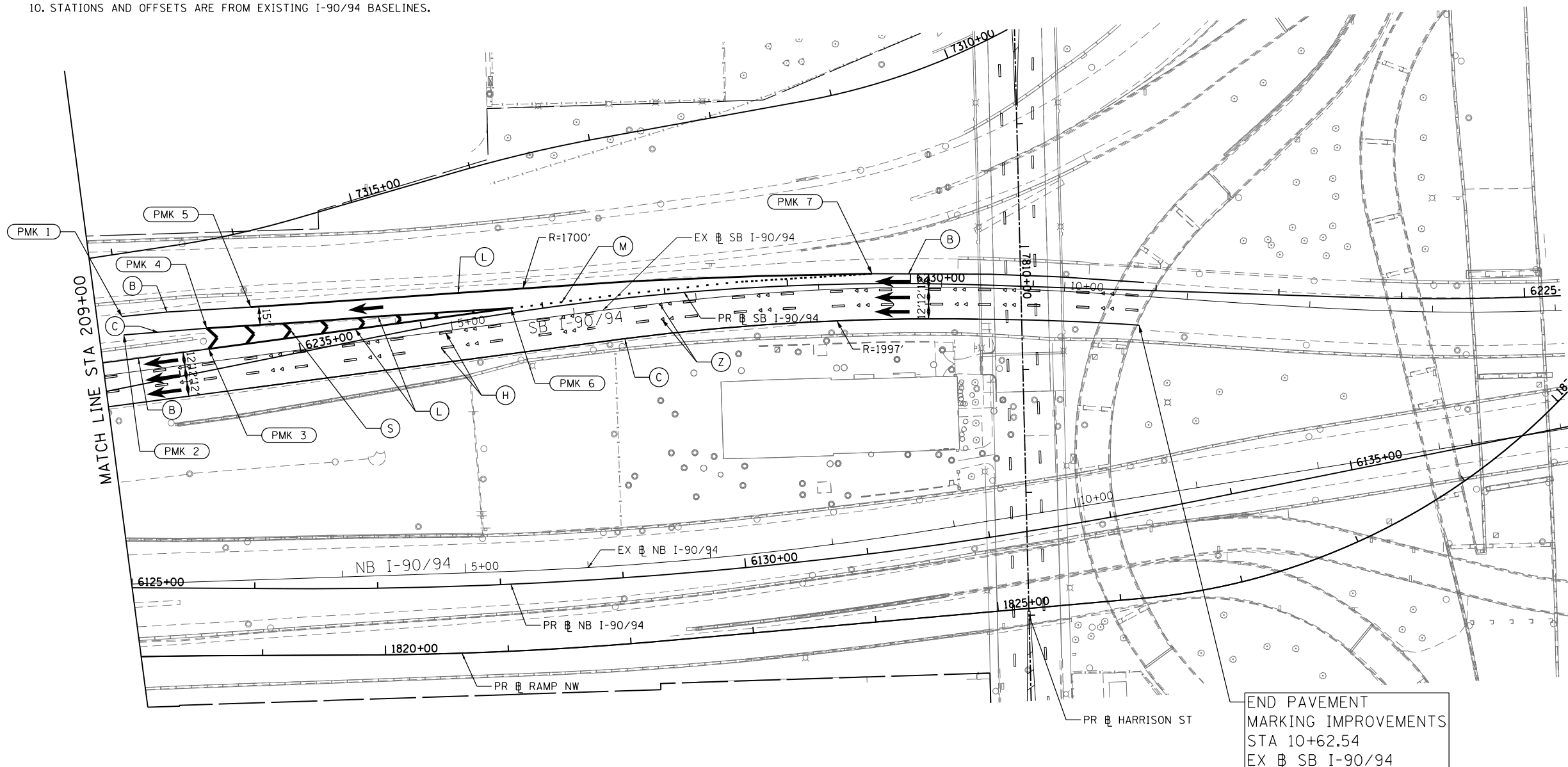
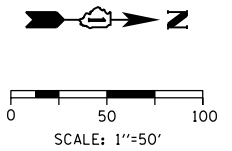
### LEGEND

#### PAVEMENT MARKING MATERIAL

- EPOXY PAVEMENT MARKING
- ◇ PAVEMENT MARKING TAPE, TYPE III
- THERMOPLASTIC PAVEMENT MARKING
- △ POLYUREA PAVEMENT MARKING TYPE I

#### PAVEMENT MARKING TYPE

- A - LETTERS AND SYMBOLS (WHITE)
- B - 4" WHITE EDGE LINE
- C - 4" YELLOW LINE
- D - 4" DOUBLE YELLOW CENTERLINE
- E - 4" WHITE (6' DASH, 18' SKIP)
- F - 4" YELLOW (6' DASH, 18' SKIP)
- G - 4" WHITE (2' DASH, 6' SKIP)
- H - 5" WHITE (10' DASH, 30' SKIP)
- I - 6" WHITE SOLID LINE
- J - 6" WHITE (2' DASH, 6' SKIP)
- K - 6" WHITE 45° DIAGONALS SPACED @ 20' CENTERS
- L - 8" WHITE EDGE LINE
- M - 8" WHITE DOTTED LANE LINE, 3' DASH, 9' SKIP
- N - 12" WHITE 45° DIAGONALS SPACED @ 20' CENTERS
- O - 12" WHITE 45° DIAGONALS SPACED @ 30' CENTERS
- P - 12" WHITE 45° DIAGONALS SPACED @ 50' CENTERS
- Q - 12" YELLOW 45° DIAGONALS SPACED @ 50' CENTERS
- R - 12" YELLOW 45° DIAGONALS SPACED @ 500' CENTERS
- S - 12" WHITE CHEVRONS SPACED @ 30' CENTERS
- T - 24" WHITE STOP BAR
- U - 24" WHITE CROSSWALK, 6' WIDTH, SPACED @ 4' CENTERS
- Y - RAISED REFLECTIVE PAVEMENT MARKER (BRIDGE) (1-WAY CRYSTAL / OPAQUE)
- Z - RAISED REFLECTIVE PAVEMENT MARKER (1-WAY CRYSTAL / OPAQUE)



- PMK 1 - BEGIN (B)  
STA 209+20.40, 45.69' LT  
(EX SB I-90/94)
- PMK 2 - BEGIN (C)  
STA 209+20.00, 30.71' LT  
(EX SB I-90/94)
- PMK 3 - END (B) AND BEGIN (L)  
STA 209+87.00, 10.41' LT  
(EX SB I-90/94)
- PMK 4 - END (C) AND BEGIN (L)  
STA 209+87.52, 27.35' LT  
(EX SB I-90/94)
- PMK 5 - END (B) AND BEGIN (L)  
STA 3+39.78, 39.76' LT  
(EX SB I-90/94)
- PMK 6 - END (L) AND BEGIN (M)  
STA 5+49.50, 11.47' LT  
(EX SB I-90/94)
- PMK 7 - END (L) AND (M) AND BEGIN (B)  
STA 8+43.67, 11.58' LT  
(EX SB I-90/94)

END PAVEMENT  
MARKING IMPROVEMENTS  
STA 10+62.54  
EX SB I-90/94

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DI60W30-SHT-PMK-ML-03.dgn  
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DESIGNED - ZND  
DRAWN - ZND  
CHECKED - NUH  
DATE - 10/24/2014

REVISED -  
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

MAINLINE PAVEMENT MARKING PLAN

SCALE: 1"=50' SHEET 3 OF 3 SHEETS STA. 209+00 TO STA. 15+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2013-012R	COOK	385	139
CONTRACT NO. 60W30			ILLINOIS FED. AID PROJECT	

**SIGNING SCHEDULE**

LOCATION	SIGN NO.	LEGEND / DESCRIPTION	CODE	ACTION	LOCATION (STATION / OFFSET) TAYLOR STREET STATIONING		EXISTING PANEL DIMENSIONS		PROPOSED PANEL DIMENSIONS		NUMBER OF POSTS	REMOVE SIGN PANEL - TYPE 1	REMOVE SIGN PANEL ASSEMBLY - TYPE A	REMOVE SIGN PANEL ASSEMBLY - TYPE B	MILE POST MARKER ASSEMBLY	SIGN PANEL - TYPE 1	SIGN PANEL - TYPE 1 (SPECIAL)	SIGN PANEL - TYPE 2	SIGN PANEL - TYPE 3	TELESCOPING STEEL SIGN SUPPORT	BASE FOR TELESCOPING STEEL SIGN SUPPORT	TELESCOPING STEEL SIGN SUPPORT (SPECIAL)		
					EXISTING	PROPOSED	WIDTH (FT)	HEIGHT (FT)	WIDTH (FT)	HEIGHT (FT)														
TAYLOR STREET	EB-01-LP	RIGHT LANE MUST TURN RIGHT	R3-7R	PROPOSED SIGN	-	-	7607+54.00	39.0' RT			3.00	3.00				9.00								
	--	NO LEFT TURN		REMOVE SIGN	7608+61	0.4' RT	-	-	2.00	2.50			1											
	EB-02-ST	ONE WAY	R6-1R	PROPOSED SIGN	-	-	7608+61.00	2.0' RT			3.00	1.00	1			3.00								
	EB-03-LP	RIGHT TURN ONLY	R3-5R	REMOVE AND REPLACE SIGN	7609+70	31.0' RT	7609+70.00	31.0' RT			2.50	3.00		7.50		7.50								
	EB-04-LP	NO PARKING TOW ZONE	R7-201-4	REMOVE AND REPLACE SIGN							1.50	1.50		2.25		2.25								
	EB-05-LP	ONE WAY	R6-2L	REMOVE AND REPLACE SIGN	7610+26	43.0' RT	7610+24.42	42.1' RT			2.00	2.50		5.00		5.00								
	EB-06-LP	ONE WAY	R6-2R	REMOVE AND REPLACE SIGN							2.00	2.50		5.00		5.00								
	EB-07-SA	STREET NAME OVERHEAD - S UNION AV	D3-2	REMOVE AND REPLACE SIGN	7610+96	41.0' RT	7610+94.92	46.1' RT			6.00	1.50		9.00		9.00								
	EB-08-SP	ONE WAY	R6-2R	REMOVE AND REPLACE SIGN							2.00	2.50		5.00		5.00								
	EB-09-TS	EAST	M3-2	REMOVE AS PART OF EXISTING STRUCTURAL REMOVAL AND REPLACE							2.00	1.00				2.00								
	EB-10-TS	90	M1-1	REMOVE AS PART OF EXISTING STRUCTURAL REMOVAL AND REPLACE	7610+97	39.0' RT	7610+94.92	46.1' RT			2.00	2.00	1			4.00					13.25	1		
	EB-11-TS	94	M1-1	REMOVE AS PART OF EXISTING STRUCTURAL REMOVAL AND REPLACE							2.00	2.00				4.00								
	EB-12-TS	DIRECTIONAL ARROW (RIGHT)	M6-1R	REMOVE AS PART OF EXISTING STRUCTURAL REMOVAL AND REPLACE							1.75	1.25				2.19								
	EB-13-LP	WEST	M3-4	REMOVE AND REPLACE SIGN							2.00	1.00		2.00		2.00								
	EB-14-LP	90	M1-1	REMOVE AND REPLACE SIGN							2.00	2.00		4.00		4.00								
	EB-15-LP	94	M1-1	REMOVE AND REPLACE SIGN	7612+15	40.0' RT	7612+07.00	40.0' RT			2.00	2.00		4.00		4.00								
	EB-16-LP	DIRECTIONAL ARROW (LEFT)	M6-1L	REMOVE AND REPLACE SIGN							1.75	1.25		2.19		2.19								
	EB-17-LP	NO PARKING TOW ZONE	R7-201-4	REMOVE AND REPLACE SIGN							1.50	1.50		2.25		2.25								
	EB-18-TS	ONE WAY	R6-2L	REMOVE AND REPLACE SIGN							2.00	2.50				5.00								
	EB-19-TS	ONE WAY	R6-2R	REMOVE AND REPLACE SIGN	7613+29	31' RT	7613+12.35	28.7' RT			2.00	2.50	1		1	5.00				14.00	1			
	EB-20-TS	NO LEFT TURN	R3-2	REMOVE AND REPLACE SIGN							2.00	2.00				4.00								
	EB-21-SP	ONE WAY	R6-1L	REMOVE AND REPLACE SIGN	7613+32	41.0' RT	7613+30.79	40.0' RT			3.00	1.00		3.00		3.00								
	EB-22-SP	ONE WAY	R6-1R	REMOVE AND REPLACE SIGN							3.00	1.00		3.00		3.00								
	EB-23-SA	STREET NAME OVERHEAD - S RUBLE ST	D3-2	REMOVE AND REPLACE SIGN							6.00	1.50		9.00		9.00								
	EB-24-SP	ONE WAY	R6-2L	REMOVE AND REPLACE SIGN	7613+95	36.0' RT	7613+84.58	43.8' RT			2.00	2.50		5.00		5.00								
	EB-25-SP	ONE WAY	R6-2R	REMOVE AND REPLACE SIGN							2.00	2.50		5.00		5.00								
	WB-01-SA	STREET NAME OVERHEAD - S UNION AV	D3-2	REMOVE AND REPLACE SIGN	7610+32	38.0' LT	7610+32.82	41.9' LT			6.00	1.50		9.00		9.00								
	WB-02-LP	EAST	M3-2	REMOVE AND REPLACE SIGN							2.00	1.00		2.00		2.00								
	WB-03-LP	90	M1-1	REMOVE AND REPLACE SIGN							3.00	3.00		9.00		9.00								
	WB-04-LP	94	M1-1	REMOVE AND REPLACE SIGN	7612+11	40.0' LT	7612+01.68	40.0' LT			3.00	3.00		9.00		9.00								
WB-05-LP	ADVANCE TURN ARROW (LEFT)	M5-1L	REMOVE AND REPLACE SIGN							1.75	1.25		2.19		2.19									
WB-06-LP	NO PARKING TOW ZONE	R7-201-4	REMOVE AND REPLACE SIGN							1.50	1.50		2.25		2.25									
WB-07-SA	STREET NAME OVERHEAD - S RUBLE ST	D3-2	REMOVE AND REPLACE SIGN	7613+03	40.0' LT	7613+01.78	40.0' LT			6.00	1.50		9.00		9.00									
WB-08-SA	NO LEFT TURN	R3-2	REMOVE AND REPLACE SIGN							2.00	2.00		4.00		4.00									
(ROUNDED) SUBTOTAL												120	1	1	0	116	43	0	0	28	2	0		

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DESIGNED - NJH  
 DRAWN - NJH  
 CHECKED - OPS  
 DATE - 10/24/2014

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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**SIGNING SCHEDULE**

SCALE: NONE      SHEET 1 OF 2 SHEETS      STA.      TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2013-012R	COOK	385	140
CONTRACT NO. 60W30				
ILLINOIS FED. AID PROJECT				

**SIGNING SCHEDULE**

LOCATION	SIGN NO.	LEGEND / DESCRIPTION	CODE	ACTION	LOCATION (STATION / OFFSET) TAYLOR STREET STATIONING		EXISTING PANEL DIMENSIONS		PROPOSED PANEL DIMENSIONS		NUMBER OF POSTS	REMOVE SIGN PANEL - TYPE 1 (SQ FT)	REMOVE SIGN PANEL ASSEMBLY - TYPE A (EACH)	REMOVE SIGN PANEL ASSEMBLY - TYPE B (EACH)	MILE POST MARKER ASSEMBLY (EACH)	SIGN PANEL - TYPE 1 (SQ FT)	SIGN PANEL - TYPE 1 (SPECIAL) (SQ FT)	SIGN PANEL - TYPE 2 (SQ FT)	SIGN PANEL - TYPE 3 (SQ FT)	TELESCOPING STEEL SIGN SUPPORT (FT)	BASE FOR TELESCOPING STEEL SIGN SUPPORT (EACH)	TELESCOPING STEEL SIGN SUPPORT (SPECIAL) (FT)
					EXISTING	PROPOSED	WIDTH (FT)	HEIGHT (FT)	WIDTH (FT)	HEIGHT (FT)												
TAYLOR STREET EXIT RAMP	ES-01-SP	DO NOT ENTER	R5-1	REMOVE AND REPLACE SIGN	7610+96	41.0' LT	7611+04.00	40.0' LT				6.25				6.25						
	ES-02-SP	ST. IGNATIUS HISTORIC LANDMARK	CUSTOM	REMOVE AND REPLACE SIGN								4.00				4.00						
	ES-03-SP	DO NOT ENTER	R5-1	REMOVE AND REPLACE SIGN								9.00				9.00						
	ES-04-SP	ONE WAY	R6-1L	REMOVE AND REPLACE SIGN	7610+32	38.0' LT	7610+32.82	41.9' LT				3.00				3.00						
	ES-05-SP	ONE WAY	R6-1R	REMOVE AND REPLACE SIGN								3.00				3.00						
	ES-06-SP	ONE WAY	R6-1L	REMOVE AND REPLACE SIGN								3.00				3.00						
	ES-07-SP	ONE WAY	R6-1R	REMOVE AND REPLACE SIGN	7610+96	41.0' LT	7611+04.00	40.0' LT				3.00				3.00						
TAYLOR STREET ENTRANCE RAMP	NT-01-TS(S)	WEST	M3-4	REMOVE AS PART OF EXISTING STRUCTURAL REMOVAL AND REPLACE																		
	NT-02-TS(S)	90	M1-1	REMOVE AS PART OF EXISTING STRUCTURAL REMOVAL AND REPLACE	7613+07	47.0' LT	7613+06.61	50.1' LT														
	NT-03-TS(S)	94	M1-1	REMOVE AS PART OF EXISTING STRUCTURAL REMOVAL AND REPLACE																		
	NT-04-TS(S)	DIRECTIONAL ARROW (RIGHT)	M6-1R	REMOVE AS PART OF EXISTING STRUCTURAL REMOVAL AND REPLACE																		
	NT-05-TS(S)	PROHIBITED/BUCKLE UP	R5-I100	REMOVE AS PART OF EXISTING STRUCTURAL REMOVAL AND REPLACE	7613+09	51.0' LT	7613+06.75	59.2' LT			1							20.00				12.00
RUBLE STREET	RU-01-LP	WEST	M3-4	REMOVE AND REPLACE SIGN								2.00				2.00						
	RU-02-LP	90	M1-1	REMOVE AND REPLACE SIGN	7613+71	93.0' RT	7613+71.00	93.0' RT				4.00				4.00						
	RU-03-LP	94	M1-1	REMOVE AND REPLACE SIGN								4.00				4.00						
	RU-04-LP	DIRECTIONAL ARROW (STRAIGHT)	M6-3	REMOVE AND REPLACE SIGN								2.19				2.19						
	RU-05-SA	STREET NAME OVERHEAD - W TAYLOR ST	D3-2	REMOVE AND REPLACE SIGN	7613+70	32.0' LT	7613+82.00	38.0' LT				9.00				9.00						
UNION STREET	UN-01-SP	EAST	M3-2	REMOVE AND REPLACE SIGN								2.00				2.00						
	UN-02-SP	90	M1-1	REMOVE AND REPLACE SIGN	7610+37	52.0' RT	7610+37.27	52.2' RT				4.00				4.00						
	UN-03-SP	94	M1-1	REMOVE AND REPLACE SIGN								4.00				4.00						
	UN-04-SP	DIRECTIONAL ARROW (LEFT)	M6-1L	REMOVE AND REPLACE SIGN								2.19				2.19						
	UN-05-SA	STREET NAME OVERHEAD - W TAYLOR ST	D3-2	REMOVE AND REPLACE SIGN								9.00				9.00						
I-90/94	SB-01-LP	MILE POST MARKER ASSEMBLY		REMOVE AND REPLACE SIGN	7612+06.00	101.93' LT	7612+06.00	101.93' LT				2.00										
	SB-02-WP	SPEED LIMIT 45	R2-1	REMOVE AND REPLACE SIGN	7612+00.00	73.49' LT	7612+00.00	73.49' LT						1				12.00				
NW FLYOVER RAMP	--	I-290 WEST EISENHOWER EXPY WEST SUBURBS	SHOWN FOR INFORMATION ONLY	REMOVE AS PART OF EXISTING STRUCTURAL REMOVAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	--	CONGRESS PKWY CHICAGO LOOP		REMOVE AS PART OF EXISTING STRUCTURAL REMOVAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	NW-01-BM	I-290 WEST EISENHOWER EXPY AURORA		PROPOSED SIGN	-	-	7613+07.54	-	-	-	21.00	12.50	-	-	-	-	-	262.50	-	-	-	
	NW-02-BM	CONGRESS PKWY EXIT ONLY		PROPOSED SIGN	-	-	7613+26.34	-	-	-	15.50	7.00	-	-	-	-	-	108.50	-	-	-	
	NW-03-BM	EXIT 51 I		PROPOSED SIGN	-	-	7613+26.34	-	-	-	13.00	2.50	-	-	-	-	-	32.50	-	-	-	
(ROUNDED) SUBTOTAL												76	0	1	1	68	18	32	404	0	0	31
TOTAL												196	1	2	1	184	61	32	404	28	2	31

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 PLOT DATE = 10/24/2014

DESIGNED - NJH  
 DRAWN - NJH  
 CHECKED - OPS  
 DATE - 10/24/2014

REVISED -  
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 REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**SIGNING SCHEDULE**

SCALE: NONE SHEET 2 OF 2 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2013-012R	COOK	385	141
CONTRACT NO. 60W30			ILLINOIS FED. AID PROJECT	

**W Taylor St**  
1000 S

**S Ruble St**  
652 W

**S Union Av**  
700 W

St. Ignatius  
Historic  
Landmark  
↑

ONE  
WAY  
←

ONE  
WAY  
→

D3-2  
(72"x18")  
RU-05-SA: STA 7613+82.00  
UN-05-SA: STA 7610+37.27

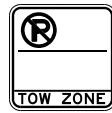
D3-2  
(72"x18")  
EB-23-SA: STA 7613+84.58  
WB-07-SA: STA 7613+01.78

D3-2  
(72"x18")  
EB-07-SA: STA 7610+94.92  
WB-01-SA: STA 7610+32.82

CUSTOM  
SEE SHEET NO.144 FOR ADDITIONAL DETAILS  
(24"x24")  
ES-02-SP: STA 7611+04.00

R6-2L  
(24"x30")  
EB-05-LP: STA 7610+24.42  
EB-18-TS: STA 7613+12.35  
EB-24-SP: STA 7613+84.58

R6-2R  
(24"x30")  
EB-06-LP: STA 7610+24.42  
EB-08-SP: STA 7610+94.92  
EB-19-TS: STA 7613+12.35  
EB-25-SP: STA 7613+84.58



R7-201-4  
(18"x18")  
EB-04-LP: STA 7609+70.00  
EB-17-LP: STA 7612+07.00  
WB-06-LP: STA 7612+01.68



R5-1  
\*(30"x30") AND (36"x36")\*\*  
ES-01-SP: STA 7611+04.00 \*  
ES-03-SP: STA 7610+32.82 \*\*

EAST

M3-2  
(24"x12")  
EB-09-TS: STA 7610+94.92  
WB-02-LP: STA 7612+01.68  
UN-01-SP: STA 7610+37.27

WEST

M3-4  
(24"x12")  
NT-01-TS(S): STA 7613+06.61  
RU-01-LP: STA 7613+71.00  
EB-13-LP: STA 7612+07.00



M6-1L  
(21"x15")  
EB-16-LP: STA 7612+07.00  
UN-04-SP: STA 7610+37.27



M6-1R  
(21"x15")  
EB-12-TS: STA 7610+94.92  
NT-04-TS(S): STA 7613+06.61



M5-1L  
(21"x15")  
WB-05-LP: STA 7612+01.68



M1-1  
\*(24"x24") AND (36"x36")\*\*  
EB-10-TS: STA 7610+94.92 \*  
EB-14-LP: STA 7612+07.00 \*  
WB-03-LP: STA 7612+01.68 \*\*  
NT-02-TS(S): STA 7613+06.61\*  
RU-02-LP: STA 7613+71.00 \*  
UN-02-SP: STA 7610+37.27 \*



M1-1  
\*(24"x24") AND (36"x36")\*\*  
EB-11-TS: STA 7610+94.92 \*  
EB-15-LP: STA 7612+07.00 \*  
WB-04-LP: STA 7612+01.68 \*\*  
NT-03-TS(S): STA 7613+06.61\*  
RU-03-LP: STA 7613+71.00 \*  
UN-03-SP: STA 7610+37.27 \*



R3-2  
(24"x24")  
EB-20-TS: STA 7613+12.35  
WB-08-SA: STA 7613+01.78



R6-1L  
(36"x12")  
EB-21-SP: STA 7613+30.79  
ES-04-SP: STA 7610+32.82  
ES-06-SP: STA 7611+04.00



R6-1R  
(36"x12")  
EB-02-ST: STA 7608+61.00  
EB-22-SP: STA 7613+30.79  
ES-05-SP: STA 7610+32.82  
ES-07-SP: STA 7611+04.00

**SIGN NUMBERING CODE  
EXAMPLE**

DIRECTION OF TRAFFIC	WB-03-LP	MOUNTING TYPE
WB - WESTBOUND TAYLOR STREET		ST - STEEL POST
EB - EASTBOUND TAYLOR STREET		TS - TELESCOPING STEEL
NW - NORTHWEST RAMP		LP - LIGHT POLE BANDING
NT - TAYLOR ENTRANCE RAMP		SP - SIGNAL POLE BANDING
ES - TAYLOR EXIT RAMP		SA - SIGNAL POLE MAST ARM
UN - UNION STREET		BM - BRIDGE MOUNTED
RU - RUBLE STREET		PP - PEDESTRIAN PUSH BUTTON
SB - SOUTHBOUND I-90/94		BS - BREAKAWAY STEEL
		WP - WOOD POST
		OH - OVERHEAD
		TM - TRUSS SUPPORT MOUNTED
		(S) - (SPECIAL)

**NOTES:**

1. FOR CDOT SIGN PANEL DETAILS SEE THE MOST CURRENT EDITION OF "THE FIELD MANUAL FOR SIGN INSTALLATION GUIDE" AND "SIGN FABRICATION AND INSTALLATIONS" MANUALS.

RIGHT LANE  
MUST  
TURN RIGHT

R3-7R  
(36"x36")  
EB-01-LP: STA 7607+54.00



R3-5R  
(30"x36")  
EB-03-LP: STA 7609+70.00



M6-3  
(21"x15")  
RU-04-LP: STA 7613+71.00

SPEED  
LIMIT  
45

R2-1  
(36"x48")  
SB-02-WP: STA 7612+00.00

USE  
PROHIBITED  
BY  
MOTOR DRIVEN CYCLES  
FARM IMPLEMENTS  
PEDESTRIANS  
NON-MOTORIZED TRAFFIC  
BUCKLE UP!

R5-1100  
(48"x60")  
NT-05-TS(S): STA 7613+06.75

MILE  
5  
2  
4

MILE POST MARKER ASSEMBLY  
(12"x48")  
SB-01-LP: STA 7612+06.00



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PLOT SCALE = 10.0000 / in.  
PLOT DATE = 10/23/2014

DESIGNED - NJH  
DRAWN - NJH  
CHECKED - OPS  
DATE - 10/24/2014

REVISED -  
REVISED -  
REVISED -  
REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

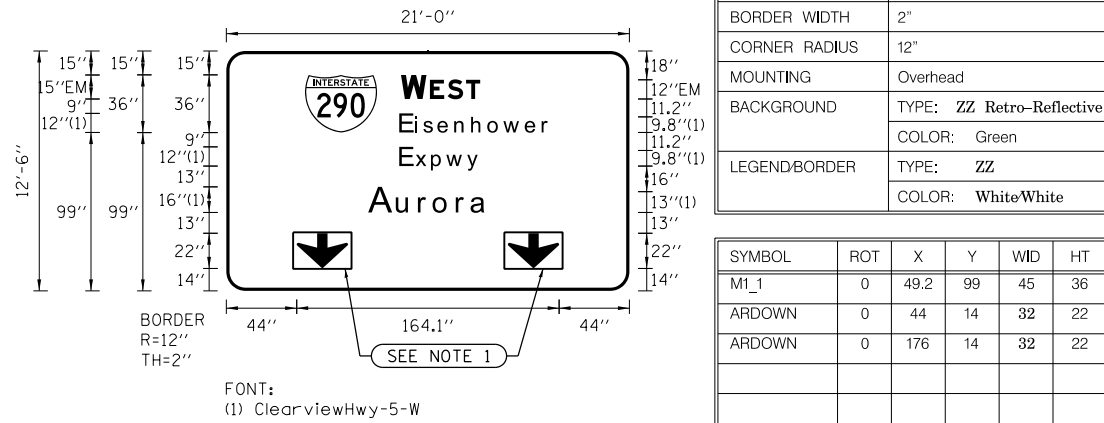
SIGNING PLAN  
SIGN PANEL DETAILS

SCALE: NONE SHEET 1 OF 4 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2013-012R	COOK	385	142
CONTRACT NO. 60W30				
ILLINOIS FED. AID PROJECT				

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**SIGN DETAIL**  
1:190



SIGN NUMBER	NW-01-B <
WIDTH x HGHT.	21'-0" x 12'-6"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Overhead
BACKGROUND	TYPE: ZZ Retro-Reflective COLOR: Green
LEGEND/BORDER	TYPE: ZZ COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT
M1_1	0	49.2	99	45	36
ARDOWN	0	44	14	32	22
ARDOWN	0	176	14	32	22

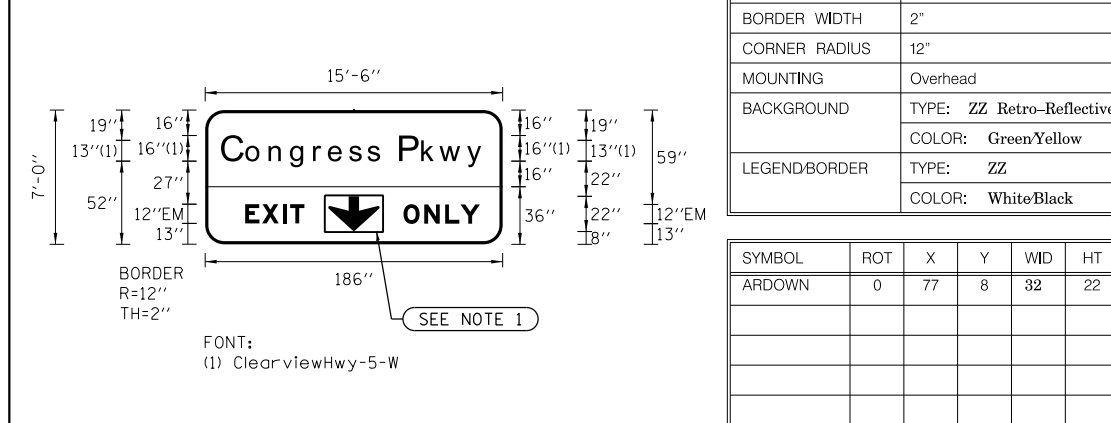
Dimensions are in inches.tenths  
Letter locations are panel edge to lower left corner

FONT:  
(1) ClearviewHwy-5-W

**LETTER POSITIONS (X)**

W	E	S	T							LENGTH	SERIES-SIZE
109.2	127.3	138.3	149.9							49.5	EM 2000
WEST											
Eisenhower Expwy											
Aurora											
AURORA											

**SIGN DETAIL**  
1:190



SIGN NUMBER	NW-02-BM
WIDTH x HGHT.	15'-6" x 7'-0"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Overhead
BACKGROUND	TYPE: ZZ Retro-Reflective COLOR: Green/Yellow
LEGEND/BORDER	TYPE: ZZ COLOR: White/Black

SYMBOL	ROT	X	Y	WID	HT
ARDOWN	0	77	8	32	22

Dimensions are in inches.tenths  
Letter locations are panel edge to lower left corner

FONT:  
(1) ClearviewHwy-5-W

**LETTER POSITIONS (X)**

C	o	n	g	r	e	s	s	P	k	w	y	LENGTH	SERIES-SIZE
11.4	26.4	40.9	54.3	68.8	78	90.9	102.4	122.7	136.3	147.5	164.5	163.3	16,13/10.6
Congress Pkwy													
EXIT ONLY													

**NOTE:**  
1. ALL ARROWS (DOWN OR 45°) USED ON OVERHEAD SIGNS SHALL BE DEMOUNTABLE. THE COST OF DEMOUNTABLE ARROWS SHALL BE INCLUDED IN THE COST OF SIGN PANEL.

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DI160W30-sht-Sign-02.dgn  
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PLOT DATE = 10/23/2014

DESIGNED - AFC  
DRAWN - NSA  
CHECKED - NJH  
DATE - 10/24/2014  
REVISED -  
REVISED -  
REVISED -  
REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

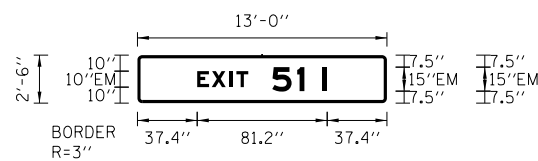
**SIGNING PLAN  
SIGN PANEL DETAILS**  
SCALE: NONE SHEET 2 OF 4 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2013-012R	COOK	385	143

CONTRACT NO. 60W30  
ILLINOIS FED. AID PROJECT

**SIGN DETAIL**

1:190



Dimensions are in inches,tenths  
Letter locations are paneledge to lower left corner

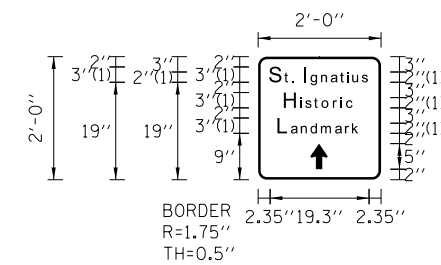
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WIDTH x HGHT.	13'-0" x 2'-6"
BORDER WIDTH	2"
CORNER RADIUS	3"
MOUNTING	Overhead
BACKGROUND	TYPE: ZZ Retro-Reflective
	COLOR: Green
LEGEND/BORDER	TYPE: ZZ
	COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT

LETTER POSITIONS (X)		LENGTH	SERIES/SIZE								
E	X	I	T							EM 2000	
37.4	46.5	57.7	61.9							31.9	10
5	1	I									EM 2000
84.3	99.9	115.6								34.4	15

**SIGN DETAIL**

1:190



Dimensions are in inches,tenths  
Letter locations are paneledge to lower left corner

SIGN NUMBER	ES-02-LP
WIDTH x HGHT.	2'-0" x 2'-0"
BORDER WIDTH	0.5"
CORNER RADIUS	1.75"
MOUNTING	Ground
BACKGROUND	TYPE: AP - Reflective
	COLOR: Brown
LEGEND/BORDER	TYPE: AP - Reflective
	COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT
AR_Type D	0	10.2	2	3.3	5

LETTER POSITIONS (X)		LENGTH	SERIES/SIZE																						
S	t	.	I	g	n	a	t	i	u	s												ClearviewHwy-5-W			
2.3	5.3	6.6	9.1	10.5	12.5	14.4	16.2	17.6	18.6	20.4												19.3	3,21.6		
H	i	s	t	o	r	i	c																ClearviewHwy-5-W		
5.3	8.3	9.4	11.1	12.6	14.8	16.3	17.4																13.4	3,21.6	
L	a	n	d	m	a	r	k																ClearviewHwy-5-W		
4.1	6.6	8.5	10.4	12.5	15.2	17.2	18.5																	15.9	3,21.6

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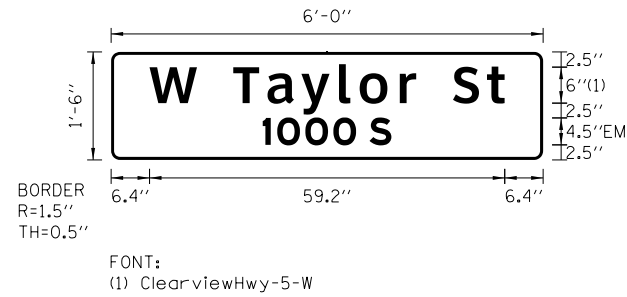
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DESIGNED - AFC	REVISED -
DRAWN - NSA	REVISED -
CHECKED - NJH	REVISED -
DATE - 10/24/2014	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>SIGNING PLAN SIGN PANEL DETAILS</b>			
SCALE: NONE	SHEET 3	OF 4 SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2013-012R	COOK	385	144
CONTRACT NO. 60W30				
ILLINOIS FED. AID PROJECT				

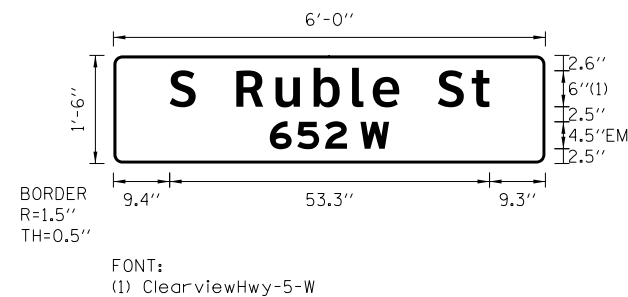


SIGN NUMBER	RU-05-SA, UN-05-SA
WIDTH x HGHT.	6'-0" x 1'-6"
BORDER WIDTH	0.5"
CORNER RADIUS	1.5"
MOUNTING	Ground
BACKGROUND	TYPE: AP - Reflective COLOR: Green
LEGEND/BORDER	TYPE: AP - Reflective COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT

Dimensions are in inches.tenths  
Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)												LENGTH	SERIESSIZE	
W		T	a	y	l	o	r		S	t				ClearviewHwy-5-W
6.4	14.4	20.4	26.1	31.7	38	41.5	48.1	50.9	57	62.7				59.2 64.9
1	0	0	0		S									EM 2000
25.3	27.7	32.4	37.1	40.8	43.1									21.5 4.5

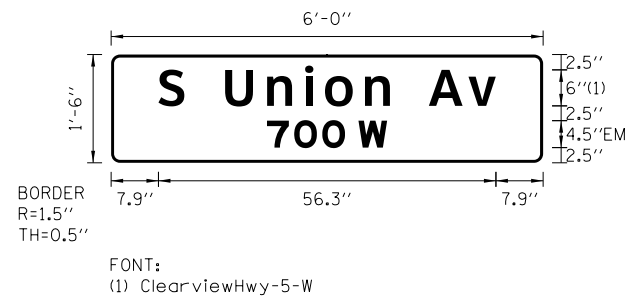


SIGN NUMBER	EB-23-SA, WB-07-SA
WIDTH x HGHT.	6'-0" x 1'-6"
BORDER WIDTH	0.5"
CORNER RADIUS	1.5"
MOUNTING	Ground
BACKGROUND	TYPE: AP - Reflective COLOR: Green
LEGEND/BORDER	TYPE: AP - Reflective COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT

Dimensions are in inches.tenths  
Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)												LENGTH	SERIESSIZE	
S		R	u	b	l	e		S	t					ClearviewHwy-5-W
9.4	13.7	20.5	27	33.4	39.8	43.2	47.7	54.1	59.7					53.3 64.9
6	5	2		W										EM 2000
26.1	30.7	35.3	38.9	41.2										19.9 4.5



SIGN NUMBER	EB-07-SA, WB-01-SA
WIDTH x HGHT.	6'-0" x 1'-6"
BORDER WIDTH	0.5"
CORNER RADIUS	1.5"
MOUNTING	Ground
BACKGROUND	TYPE: AP - Reflective COLOR: Green
LEGEND/BORDER	TYPE: AP - Reflective COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT

Dimensions are in inches.tenths  
Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)												LENGTH	SERIESSIZE	
S		U	n	i	o	n		A	v					ClearviewHwy-5-W
7.9	12.2	19	26	32.3	35.7	42.3	46.5	53	59.6					56.3 64.9
7	0	0		W										EM 2000
26	30.5	35.2	39	41.2										20 4.5

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DRAWN - OPS  
CHECKED - NJH  
DATE - 10/24/2014

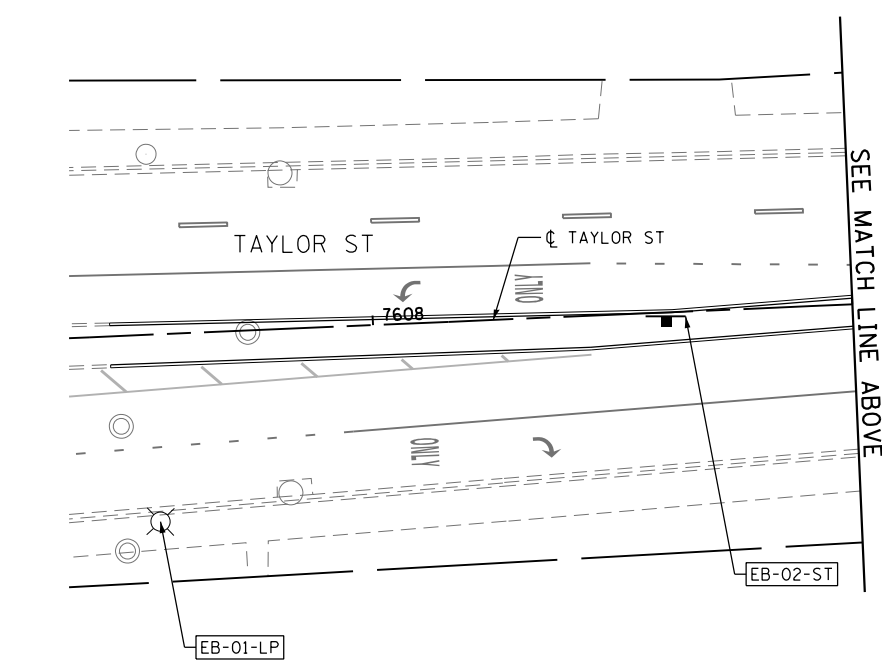
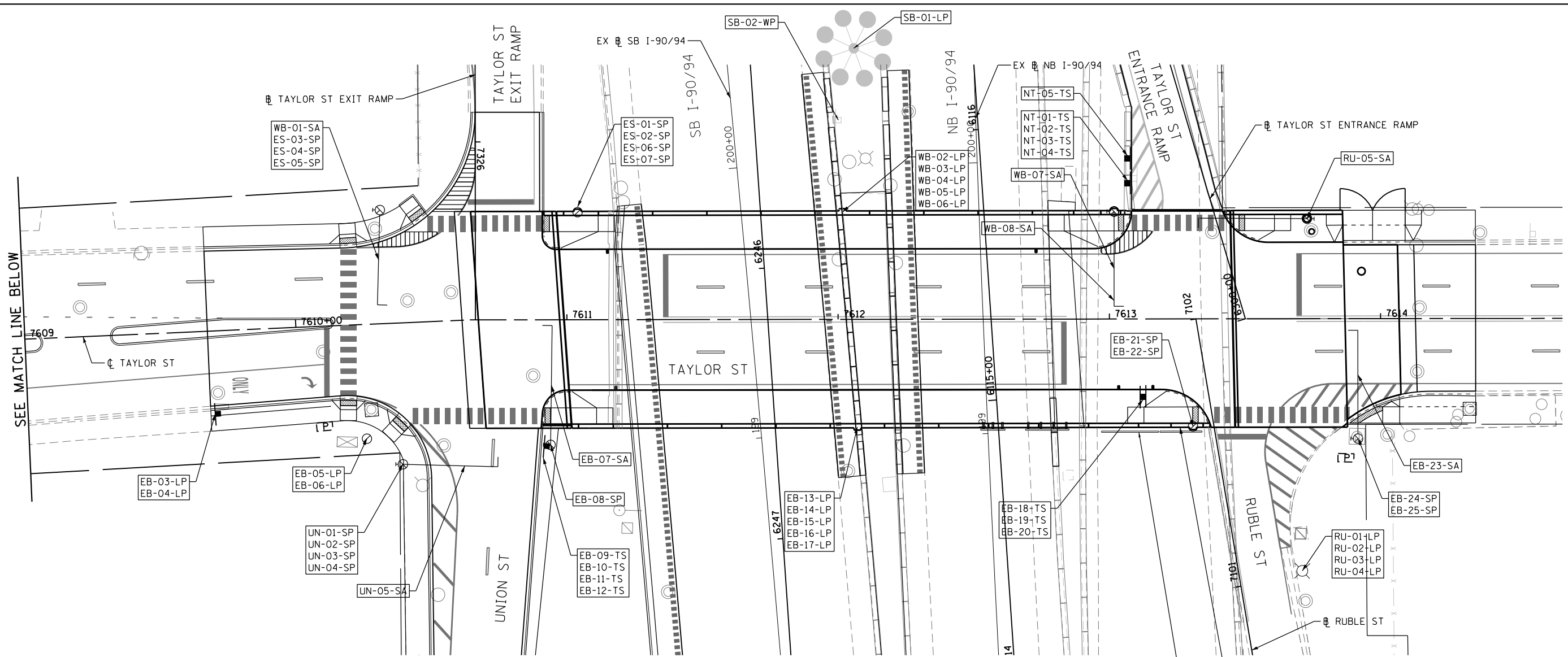
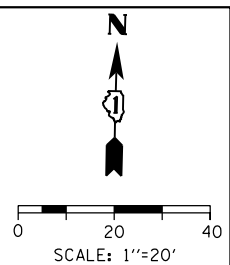
REVISED -  
REVISED -  
REVISED -  
REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SIGNING PLAN  
SIGN PANEL DETAILS

SCALE: NONE SHEET 4 OF 4 SHEETS STA. TO STA.

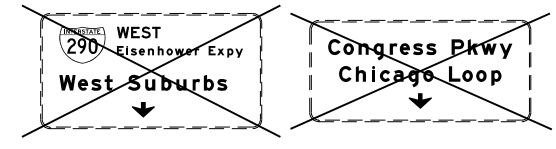
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90/94	2013-012R	COOK	385	145
CONTRACT NO. 60W30			ILLINOIS FED. AID PROJECT	



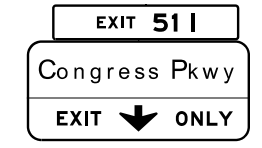
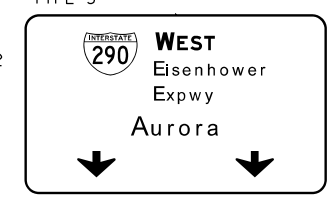
**NOTES:**

1. THE COSTS OF REMOVE OVERHEAD SIGN STRUCTURE - BRIDGE MOUNTED AND REMOVE SIGN PANEL - TYPE 3 SHALL IN BE INCLUDED IN THE COST OF REMOVAL OF EXISTING STRUCTURES. NO ADDITIONAL COMPENSATION IS ALLOWED.
2. SEE SIGN PANEL LAYOUT FOR DETAILS AND STRUCTURAL PLANS FOR SIGN PANEL PLACEMENT AND CONNECTION DETAILS

REMOVE SIGN PANEL - TYPE 3 (ATTACHED TO FENCE) SEE NOTE 1



SIGN PANEL - TYPE 3 (NW-01-BM) (NW-02-BM) (NW-03-BM) SEE NOTE 2



**SIGN NUMBERING CODE**

**EXAMPLE**

DIRECTION OF TRAFFIC	WB-03-LP	MOUNTING TYPE
WB - WESTBOUND TAYLOR STREET		ST - STEEL POST
EB - EASTBOUND TAYLOR STREET		TS - TELESCOPING STEEL
NW - NORTHWEST RAMP		LP - LIGHT POLE BANDING
NT - TAYLOR ENTRANCE RAMP		SP - SIGNAL POLE BANDING
ES - TAYLOR EXIT RAMP		SA - SIGNAL POLE MAST ARM
UN - UNION STREET		BM - BRIDGE MOUNTED
RU - RUBLE STREET		PP - PEDESTRIAN PUSH BUTTON
SB - SOUTHBOUND I-90/94		BS - BREAKAWAY STEEL
SIGN PANEL NUMBER		WP - WOOD POST
		OH - OVERHEAD
		TM - TRUSS SUPPORT MOUNTED
		(S) - SPECIAL

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PLOT DATE = 12/4/2014	DATE - 12/05/14	REVISED -

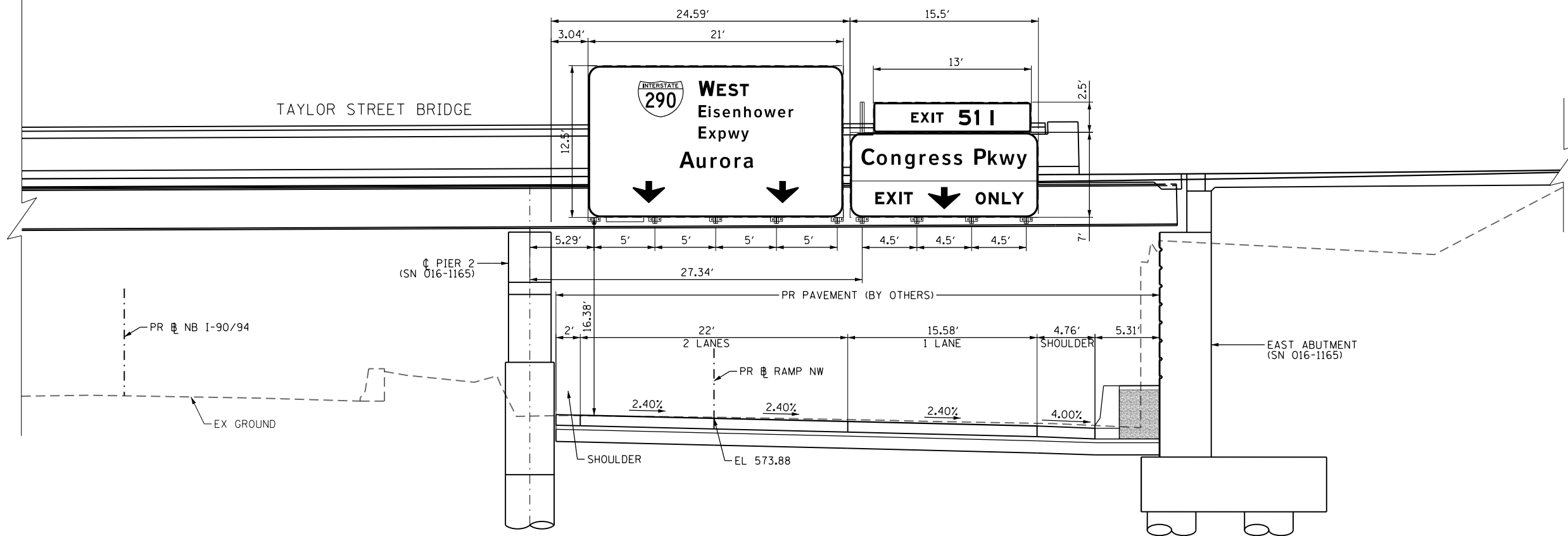
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SIGNING PLAN  
TAYLOR STREET**

SCALE: 1" = 20' SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2013-012R	COOK	385	146
CONTRACT NO. 60W30				
ILLINOIS FED. AID PROJECT				





**PROPOSED BRIDGE MOUNT  
STA 6114 + 89.82 (PR NB I-90/94)**

**NOTES:**

1. THE DOWN ARROW SHALL BE PLACED APPROXIMATELY OVER THE CENTER OF EACH TRAVEL LANE.
2. SEE SHEET NO. 143 AND 144 FOR SIGN PANEL DETAILS.

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DI60W30-sht-Sign-BM-Placement  
USER NAME = ChiuA  
PLOT SCALE = 5.0000' / in.  
PLOT DATE = 10/23/2014

DESIGNED - AFC  
DRAWN - ZND  
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DATE - 10/24/2014

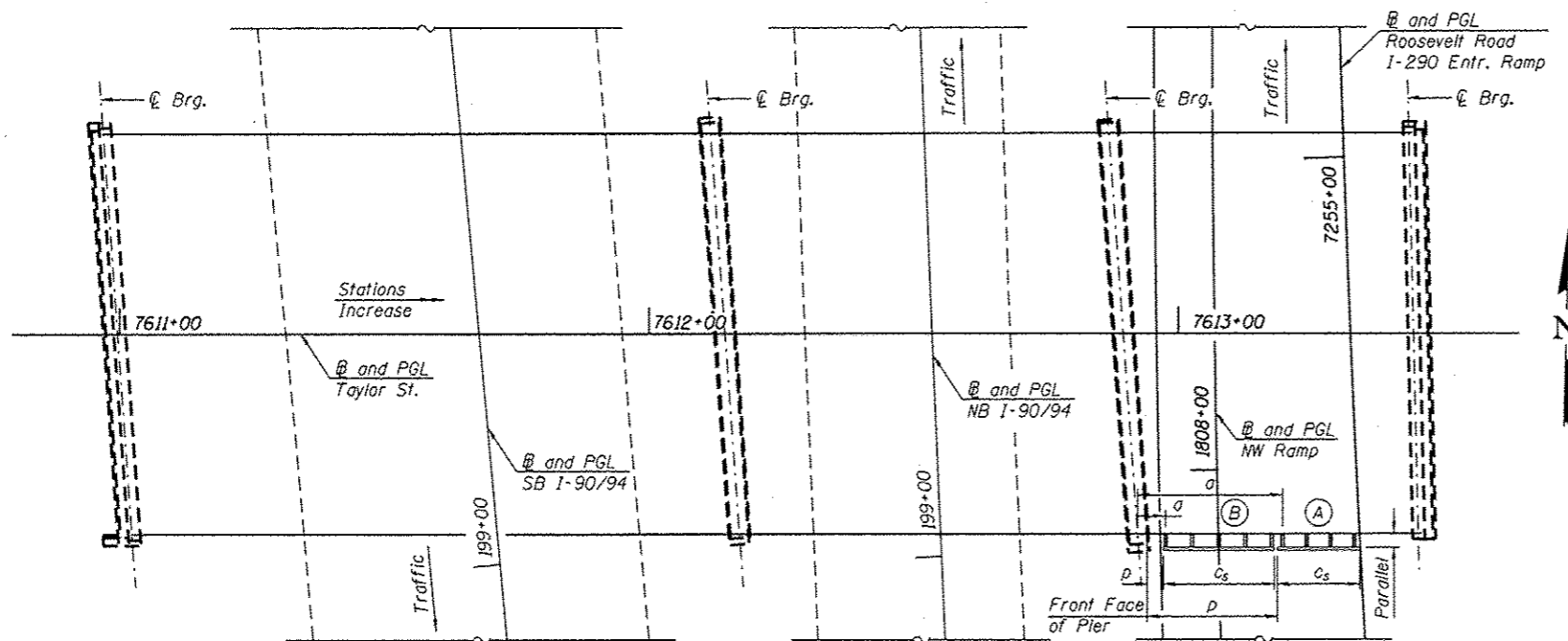
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

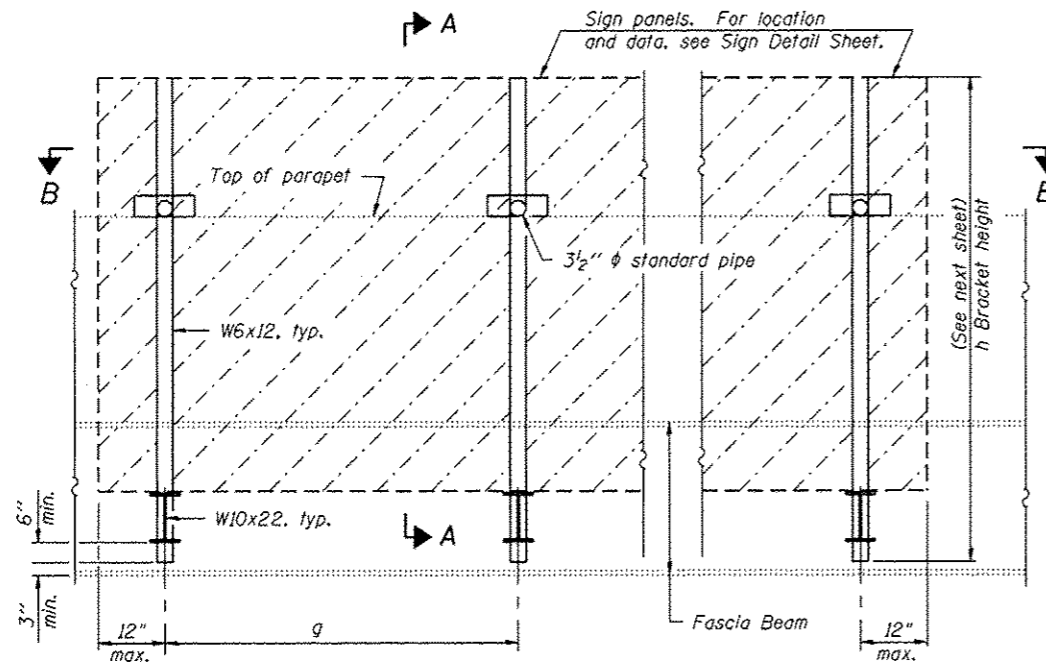
**OVERHEAD SIGN STRUCTURES  
SIGN PANEL PLACEMENT**

SCALE: NTS      SHEET 1 OF 1 SHEETS      STA.      TO STA.

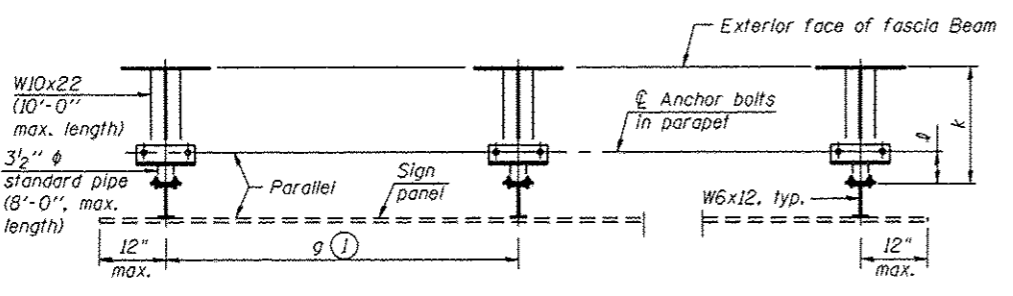
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2013-012R	COOK	385	147
CONTRACT NO. 60W30				
ILLINOIS FED. AID PROJECT				



PLAN



TYPICAL FRONT ELEVATION



SECTION B-B

(Shown: For sign skew  $\leq 15^\circ$ , all brackets constant)



Amish T. Bhatt 10/24/14  
 AMISH T. BHATT  
 LICENSE EXPIRES 11/30/2014

INDEX OF SHEETS

- SST-1 Bridge Mount Sign Structures General Plan and Elevation
- SST-2 Bridge Mount Sign Structures and Connection Details
- SST-3 Bridge Mount Sign Structures Connection Details

NOTES:

- "a" is measured from  $\phi$  bearing along  $\phi$  of fascia girder to center of bracket.
- "p" is measured from front face of pier along  $\phi$  of fascia girder to edge of sign.
- $c_s$  = sign width.
- For Section A-A, see sheet SST-2.
- $c_s$  is pay item limit for Overhead Sign Structure-Bridge Mounted.

Structure Number	Sign Skew Angle (L) or (R)	Bridge Station	Bridge Structure Number	Contract Route Designation	a	$c_s$	g	No. of Brackets (Total)	p
1B016I094L052.2A	0°	7613+26.34	016-1165	NB I-90/94	27'-4 1/2"	15'-6"	4'-6"	4	24'-7 1/8"
1B016I094L052.2B	0°	7613+07.54	016-1165	NB I-90/94	5'-3 1/2"	21'-0"	5'-0"	5	3'-0 1/2"

Dimensions a & g may vary as approved by the Engineer, see ①.

GENERAL NOTES

SPECIFICATIONS:  
 DESIGN: AASHTO Standard Specifications for Structural Supports for Highway Signs, Luminaires and Traffic Signals. ("AASHTO Specifications") ②  
 CONSTRUCTION: Current (at time of letting) Illinois Department of Transportation Standard Specifications for Road and Bridge Construction, Supplemental Specifications and Special Provisions. ("Standard Specifications")  
 LOADING: 90 M.P.H. WIND VELOCITY  
 MINIMUM CLEARANCE: 3" greater than bridge members at all locations. (All Obstructions)  
 WELDING: All welds to be continuous unless otherwise shown. All welding to be done in accordance with current AWS D1.1 Structural Welding Code (Steel) and the Standard Specifications.  
 MATERIALS: All Structural Steel Pipe shall be ASTM A53 Grade B with a minimum yield of 35,000 p.s.i., or A500 Grade B or C with a minimum yield of 46,000 p.s.i. If A500 pipe is substituted for A53, then the outside diameter shall be as detailed and wall thickness greater than or equal to A53. All Structural Steel Plates and Shapes shall conform to AASHTO M270 Gr. 36, Gr. 50 (M183, M223 Gr. 50).  
 HIGH STRENGTH BOLTS: All bolts, washers, nuts and locknuts shall satisfy the requirements of ASTM designation A307 unless noted as "H.S." which shall require AASHTO M164 (A325), ASTM A449, or approved alternate. All fasteners shall be hot dip galvanized per AASHTO M232 unless otherwise specified.

GALVANIZING: All Steel Grating, Plates, Shapes and Pipe shall be Hot Dip Galvanized after fabrication in accordance with AASHTO M111. Painting is not permitted.

ANCHOR RODS: All-threaded rod shall conform to ASTM F1554 Grade 105, 3/4"  $\phi$  x 12" long, each with one plate washer and locknut and be hot dip galvanized per AASHTO M232. They shall be either cast into the concrete or epoxy grouted in accordance with Section 584 of the Standard Specifications. Minimum embedment in concrete shall be 9".

- Bracket spacing  $g \leq 6'-0"$ , max. Spacing shall be uniform if possible but may vary  $\pm 6"$  to miss existing obstruction (rail post, light poles, web stiffeners, splice plates, etc.). Adjust bracket lengths accordingly on skewed structures.
- Any design modifications shall be based on the current version of applicable specifications and submitted for the Engineer's approval.

TOTAL BILL OF MATERIAL

OVERHEAD SIGN STRUCTURE-BRIDGE MOUNTED	Foot	37
--	------	----

016165-60W30-SST-1

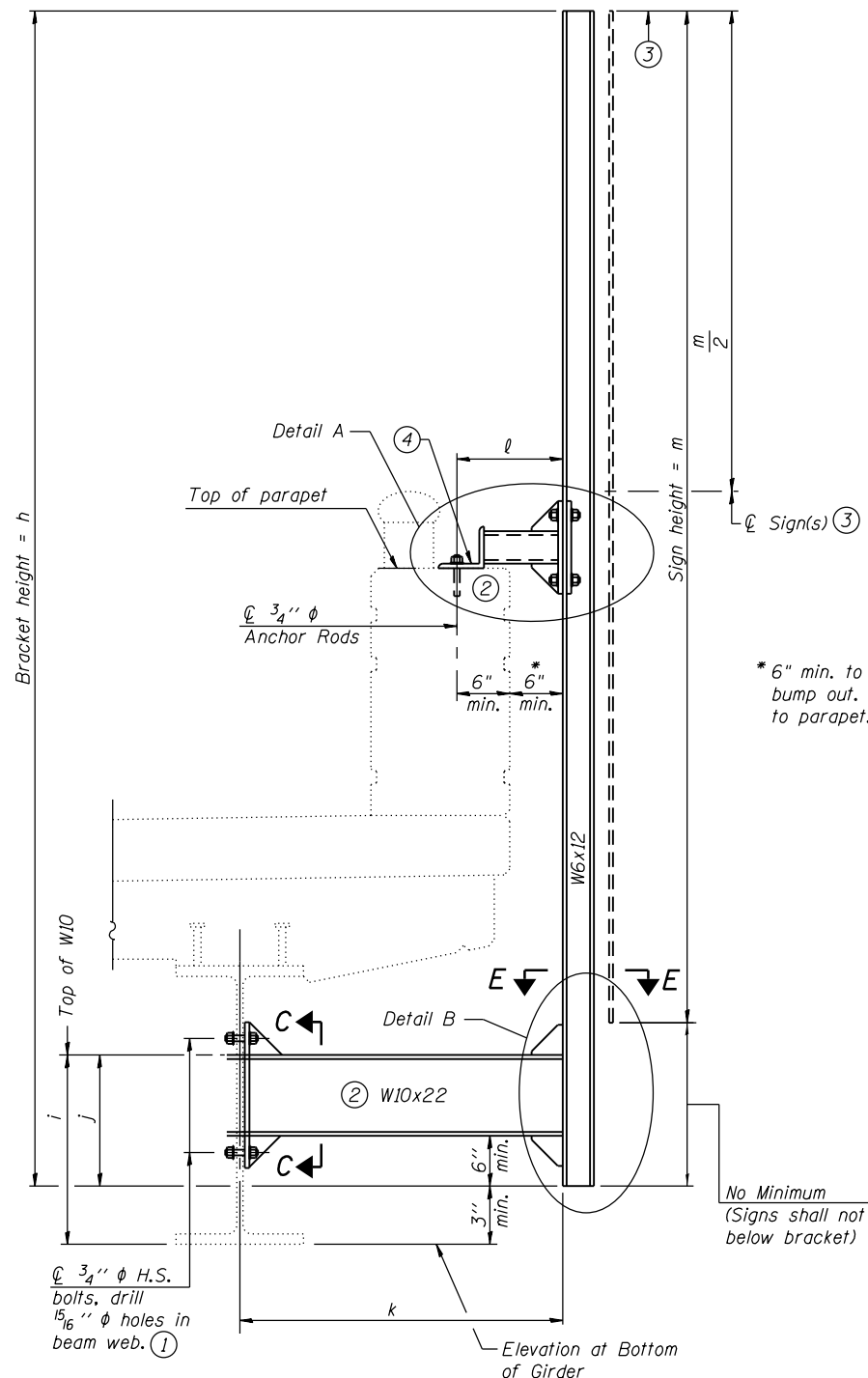


USER NAME * BhattA	DESIGNED - EJO	REVISED
	CHECKED - DD	REVISED
PLOT SCALE * N.T.S.	DRAWN - BRD	REVISED
PLOT DATE * 10/23/2014	CHECKED - ATB	REVISED

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

BRIDGE MOUNT SIGN STRUCTURES GENERAL PLAN AND ELEVATION  
 STRUCTURE NO. 016-1165  
 SHEET NO. SST1 OF SST3 SHEETS

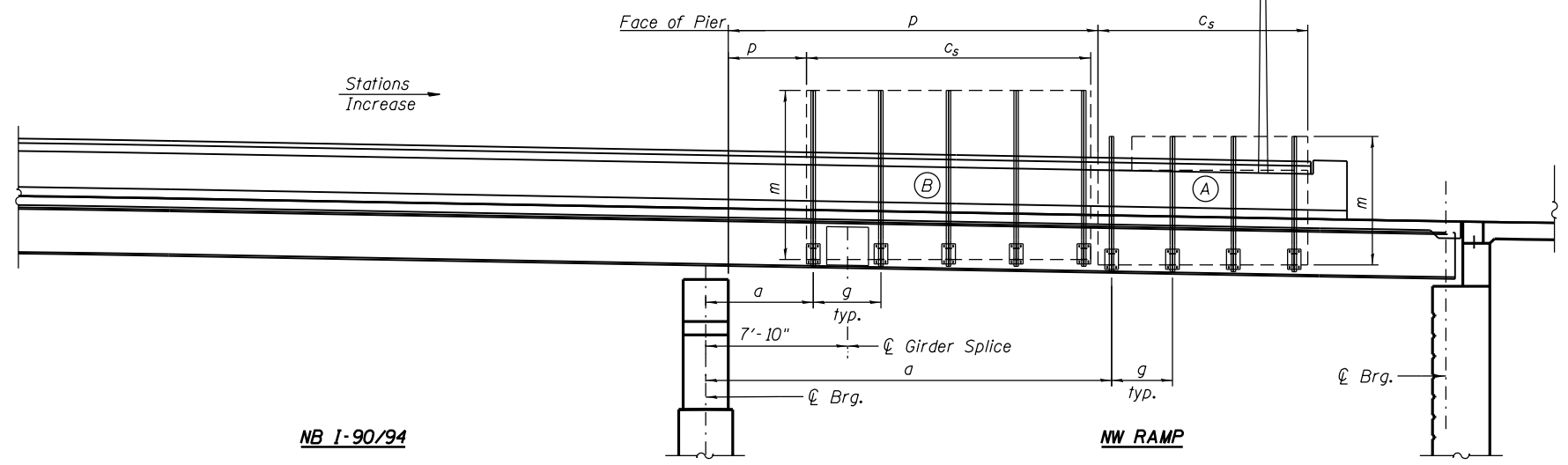
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2013-012R	COOK	385	148
CONTRACT NO. 60W30			ILLINOIS FED. AID PROJECT	



**SECTION A-A**

\* 6" min. to light pole bump out. 16" min. to parapet.

No Minimum  
(Signs shall not extend below bracket)



**ELEVATION**  
(Looking North)

- ① Holes in new steel members may be drilled in the fabrication shop or in the field. Field drill existing members.
- ② For attachment details of 3/2" pipe and W10x22, see other sections as applicable.
- ③ Sign shall not extend more than 6" above top of bracket, and this dimension may vary to keep sign level if bridge is on grade or vertical curve. Multiple signs of various heights shall share a common horizontal centerline and use equal bracket heights. If no sign is attached to a W6x12 vertical (bracket only supporting walkway), dimension h shall be the same as an adjacent bracket with a sign attached, unless Engineer specifically directs shorter brackets due to locational restraints on future uses. (See Detail A for minimum bracket height.)
- ④ For bridge mounted sign structures installed on new bridges with railing, during design, bracket spacing must be coordinated with railing post spacing and the Contractor must install upper brackets prior to railing installation. For bridge mounted sign structures installed on existing bridges with railing, during design, brackets spacing must be coordinated with railing post spacing and the Contractor must temporarily remove sections of railing to facilitate upper bracket installation. If it is determined during design that existing railings can't be removed, alternate upper connection details must be developed for the contract plans and approved by the Bureau of Bridges and Structures.

**NOTES:**

- 1. Installations not within dimensional limits shown require special analysis for all components and must be submitted to the Bureau of Bridges and Structures for approval.
- 2. Contractor shall field check all pertinent existing bridge dimensions shown on plans before submitting shop drawings.
- 3. All holes in bridge girders should be located in the middle half of the member. There shall be no holes drilled in the lower quarter of the member's depth. Proposed exceptions must be approved by the Bureau of Bridges and Structures.
- 4. The Engineer may adjust dimension "i" to meet the above condition and to keep the sign level.
- 5. For Details A & B, Sections C-C, and E-E, see Sheet SST-3.

Structure Number	Bridge Station	h	i	j	k max. (10'-0" max.)	l max. (8'-0" max.)	m (15'-0" max.)
1B0161094L052.2A	7613+26.34	10'-0"	2'-1 1/8"	1'-10 1/8"	3'-7"	2'-0"	9'-6"
1B0161094L052.2B	7613+07.54	12'-6"	2'-1 1/8"	1'-10 1/8"	3'-7"	2'-0"	12'-6"

0161165-60W30-SST-2



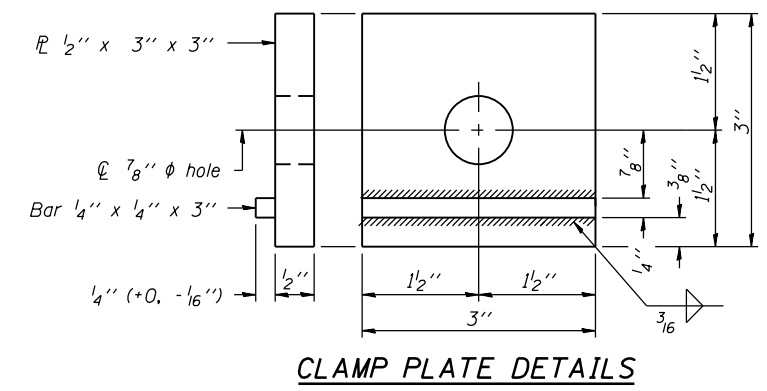
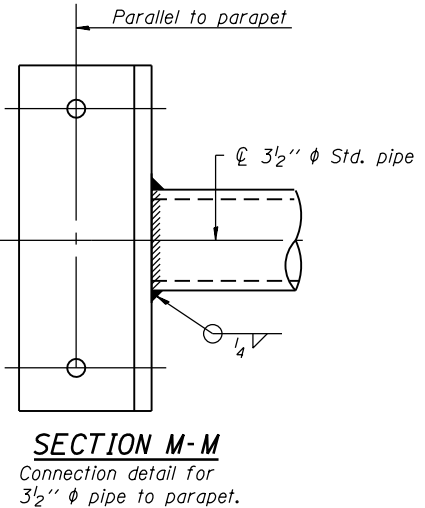
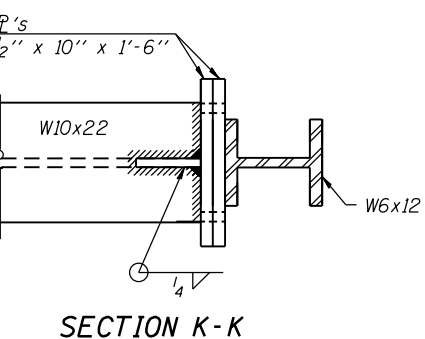
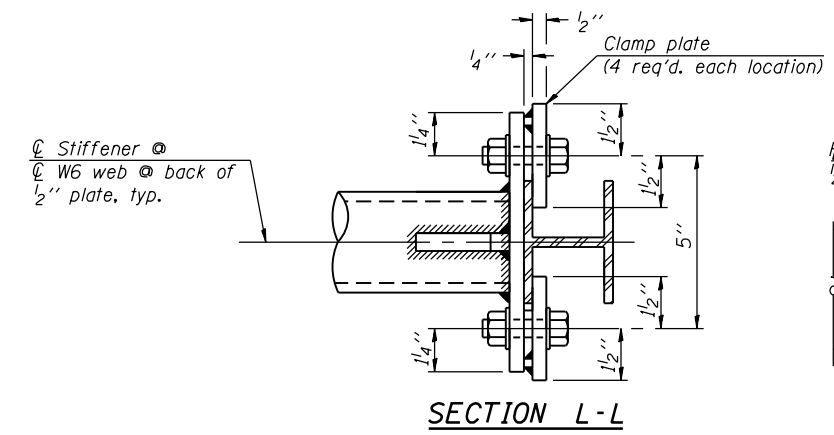
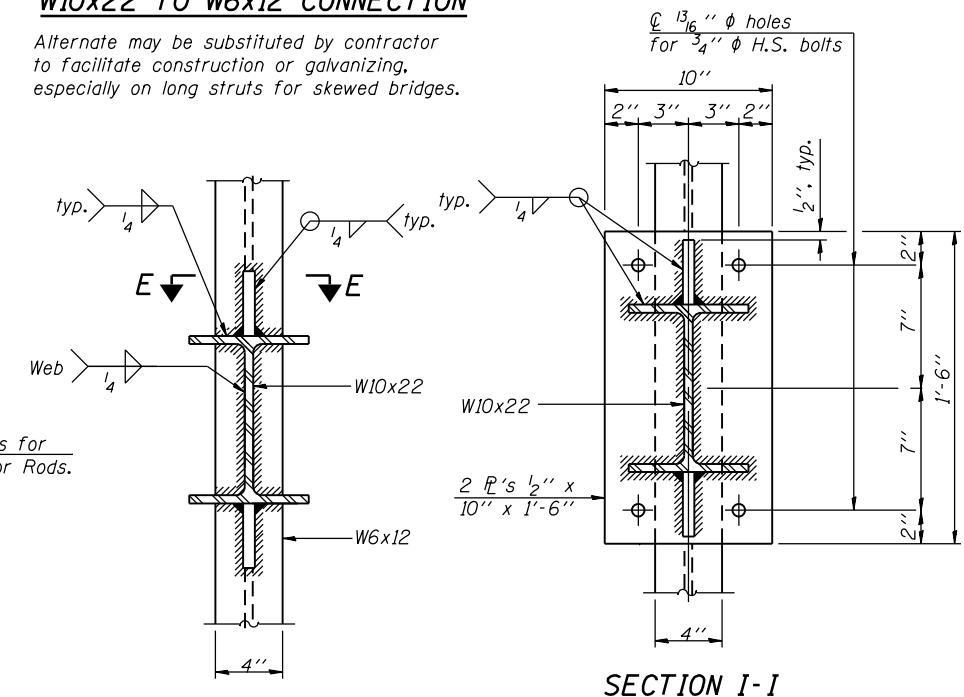
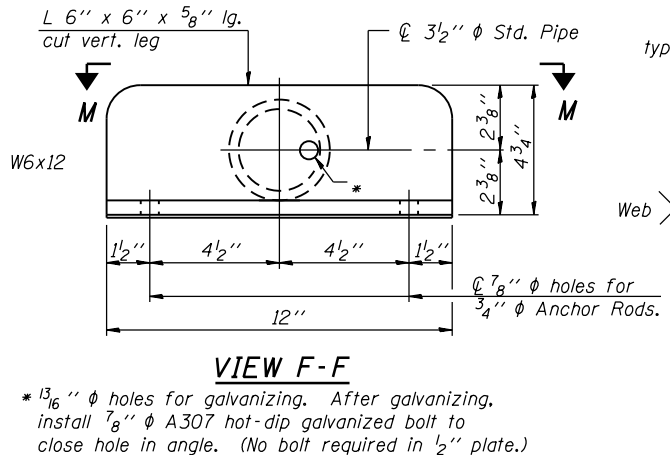
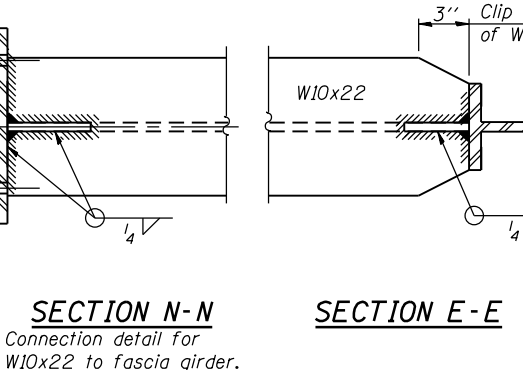
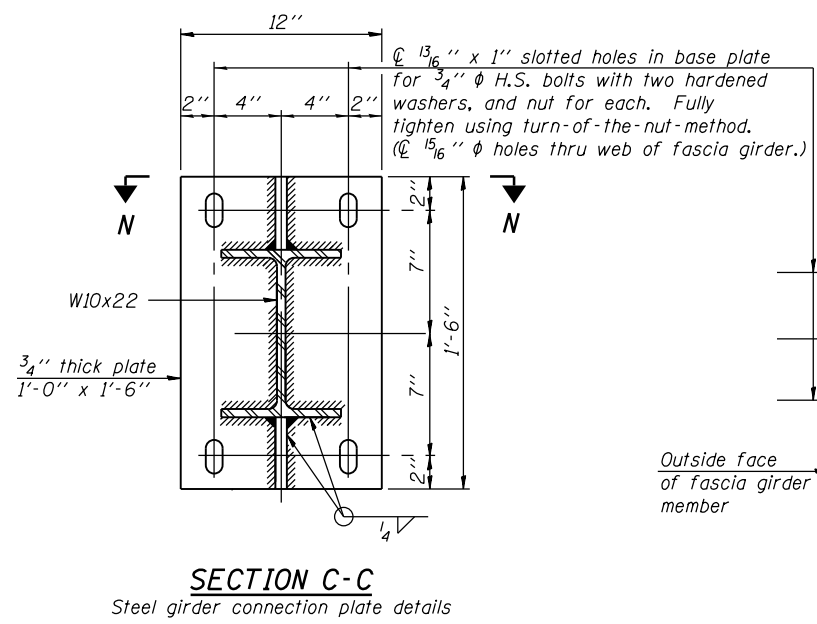
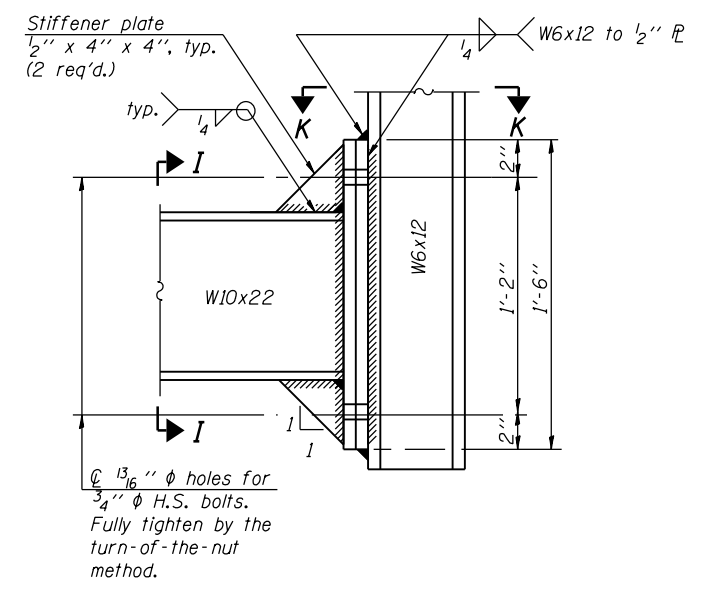
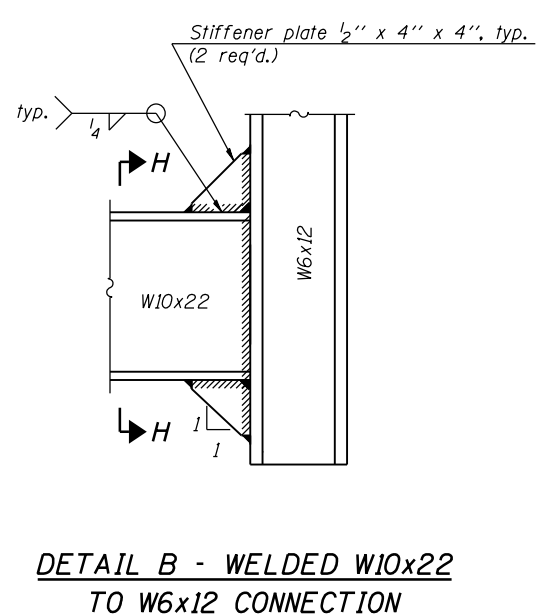
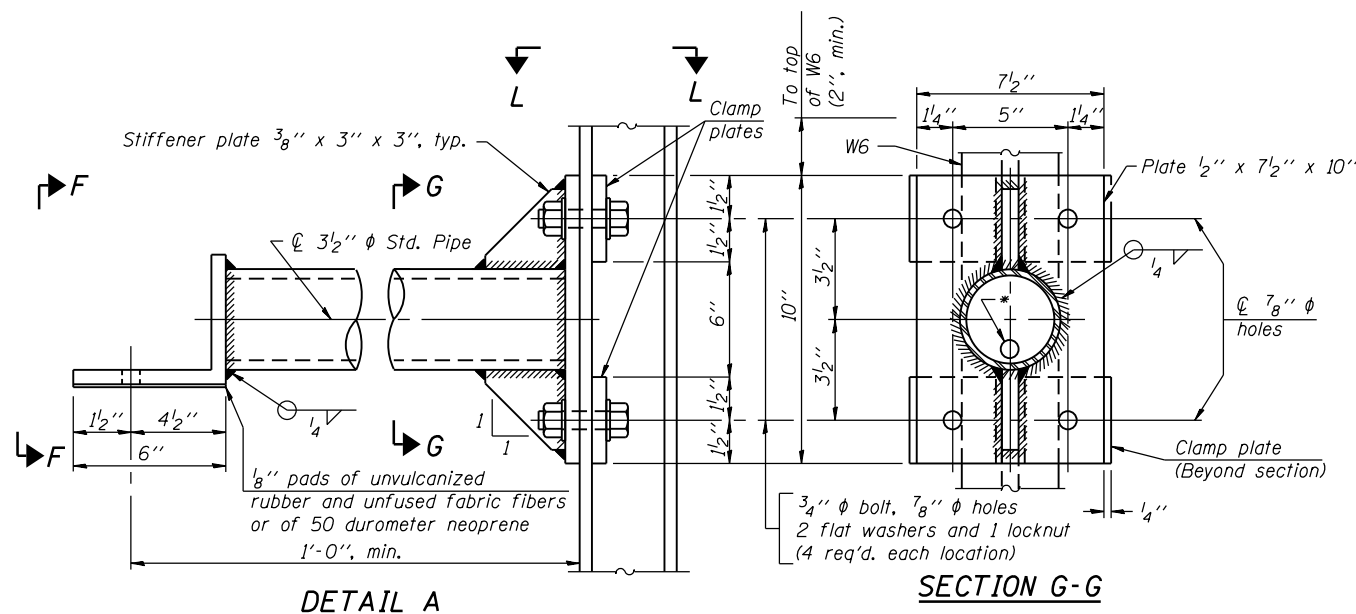
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PLOT SCALE = N.T.S.	CHECKED - DD	REVISED
PLOT DATE = 10/23/2014	DRAWN - BRD	REVISED
	CHECKED - ATB	REVISED

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**BRIDGE MOUNT SIGN STRUCTURES AND CONNECTION DETAILS**  
**STRUCTURE NO. 016-1165**

SHEET NO. SST2 OF SST3 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2013-012R	COOK	385	149
CONTRACT NO. 60W30			ILLINOIS FED. AID PROJECT	



0161165-60W30-SST-3



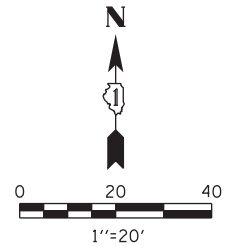
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CHECKED - DD	REVISIONS	
PLOT SCALE = N.T.S.	DRAWN - BRD	REVISED
PLOT DATE = 10/23/2014	CHECKED - ATB	REVISED

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

BRIDGE MOUNT SIGN STRUCTURES CONNECTION DETAILS  
 STRUCTURE NO. 016-1165

SHEET NO. SST3 OF SST3 SHEETS

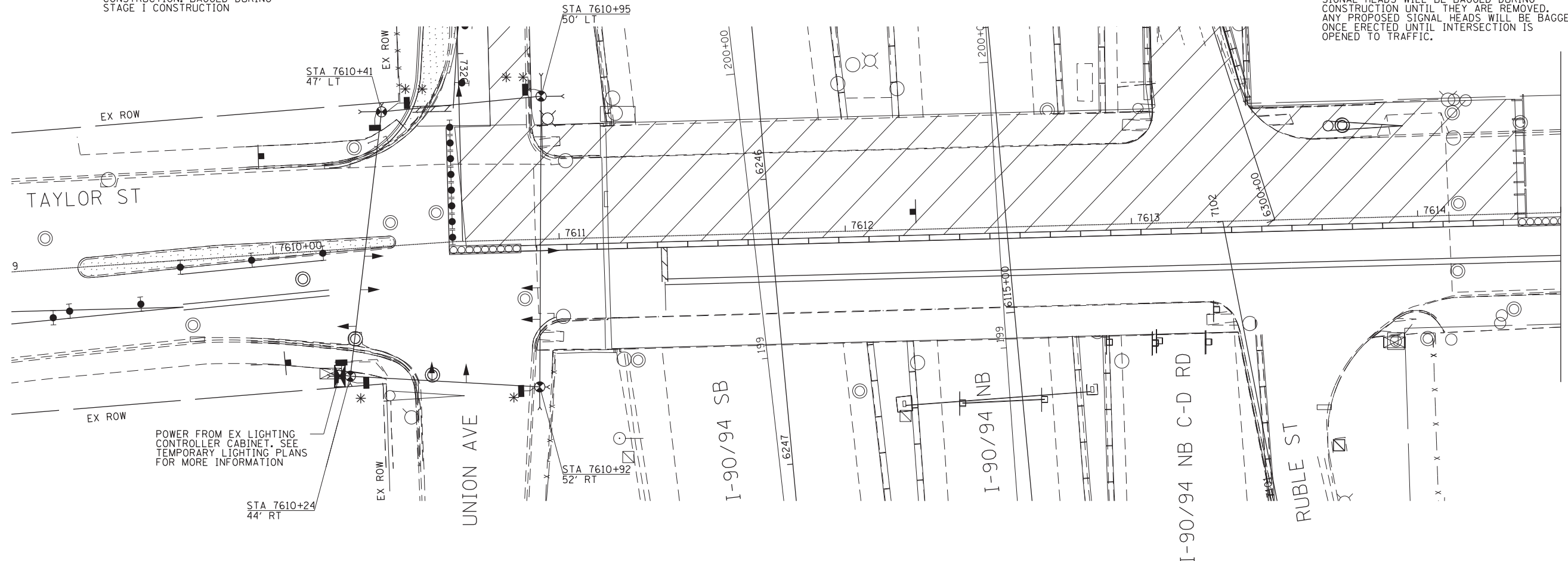
F.A.I. RE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2013-012R	COOK	385	150
CONTRACT NO. 60W30			ILLINOIS FED. AID PROJECT	



**CONSTRUCTION NOTES**

THE NORTH AND SOUTH LEGS OF THE RUBLE STREET INTERSECTION WILL BE CLOSED DURING ALL STAGES OF CONSTRUCTION AND THE EXISTING TRAFFIC SIGNAL EQUIPMENT WILL NOT BE OPERATIONAL. ALL EXISTING TRAFFIC SIGNAL HEADS WILL BE BAGGED DURING CONSTRUCTION UNTIL THEY ARE REMOVED. ANY PROPOSED SIGNAL HEADS WILL BE BAGGED ONCE ERECTED UNTIL INTERSECTION IS OPENED TO TRAFFIC.

- \* - OPERATIONAL ONLY DURING STAGE I CONSTRUCTION, BAGGED DURING STAGE II CONSTRUCTION
- \*\* - OPERATIONAL ONLY DURING STAGE II CONSTRUCTION, BAGGED DURING STAGE I CONSTRUCTION



POWER FROM EX LIGHTING CONTROLLER CABINET. SEE TEMPORARY LIGHTING PLANS FOR MORE INFORMATION

MATCHLINE STA 7614+50  
SEE SHEET 152

**NOTES FOR TEMPORARY TRAFFIC SIGNALS:**

1. ALL CONTROL EQUIPMENT AND COMMUNICATION DEVICES FOR THE TEMPORARY TRAFFIC SIGNAL(S) SHALL BE FURNISHED BY THE CONTRACTOR.
2. ONLY CONTROLLERS SUPPLIED BY ONE OF THE DISTRICT APPROVED CLOSED LOOP EQUIPMENT MANUFACTURERS WILL BE APPROVED FOR USE AT TEMPORARY SIGNAL LOCATIONS. ALL CONTROLLERS USED FOR TEMPORARY TRAFFIC SIGNALS SHALL BE FULLY ACTUATED NEMA MICROPROCESSOR BASED WITH RS232 DATA ENTRY PORTS, INSTALLED IN A NEMA TS1 OR TS2 CABINET. ONLY ONE BRAND OF CONTROLLER WILL BE ACCEPTED FOR ANY ONE CONTRACT.
3. ALL TRAFFIC SIGNAL SECTIONS AND PEDESTRIAN SIGNAL SECTIONS SHALL BE LED AND 12" (300mm) DIAMETER. HEADS SHALL BE PLACED AS INDICATED ON THE TEMPORARY TRAFFIC SIGNAL PLAN OR AS DIRECTED BY THE ENGINEER. PEDESTRIAN SIGNALS SHALL INCLUDE SOLID INTERNATIONAL SYMBOLS. PEDESTRIAN SIGNALS WITH COUNTDOWN TIMERS SHALL BE USED WHEN THE EXISTING INSTALLATION UTILIZES COUNTDOWN TYPE OR AS DIRECTED BY THE ENGINEER. COUNTDOWN TYPE PEDESTRIAN SIGNALS ARE NOT TO BE INSTALLED AT A RAILROAD INTERSECTION. THE CONTRACTOR SHALL FURNISH ENOUGH CABLE SLACK TO RELOCATE HEADS TO ANY POSITION ON THE SPAN WIRE OR AT LOCATIONS ILLUSTRATED ON THE PLANS FOR CONSTRUCTION STAGING. THE TEMPORARY TRAFFIC SIGNAL SHALL REMAIN IN OPERATION DURING ALL SIGNAL HEAD RELOCATIONS. EACH TEMPORARY TRAFFIC SIGNAL HEAD SHALL HAVE ITS OWN CABLE FROM THE CONTROLLER CABINET TO THE SIGNAL HEAD.
4. ALL EXISTING STREET NAME AND INTERSECTION REGULATORY SIGNS SHALL BE REMOVED FROM EXISTING POLES, RELOCATED AND SECURELY FASTENED TO THE SIGNAL SPAN WIRE OR WOOD POLE AS DIRECTED BY THE ENGINEER.
5. ANY TEMPORARY SIGNAL WITHIN AN EXISTING CLOSED LOOP TRAFFIC SIGNAL SYSTEM SHALL BE INTERCONNECTED TO THAT SYSTEM USING SIMILAR BRAND CONTROL EQUIPMENT.
6. THE TEMPORARY TRAFFIC SIGNAL SHALL HAVE THE SIGNAL HEAD DISPLAYS, SIGNAL HEAD PLACEMENTS AND CONTROLLER PHASING MATCH THE EXISTING TRAFFIC SIGNAL, AT THE TIME OF THE TURN ON, IF NO TRAFFIC STAGING IS IN PLACE OR WILL NOT BE STAGED ON THE DAY OF THE TURN ON.
7. UNINTERRUPTABLE POWER SUPPLY (UPS) SYSTEMS SHALL BE INSTALLED AND MADE OPERATIONAL AT TEMPORARY TRAFFIC SIGNAL INSTALLATIONS WHERE UPS IS INSTALLED AT THE EXISTING TRAFFIC SIGNAL, TEMPORARY TRAFFIC SIGNALS AT RAILROAD INTERSECTIONS, AND TEMPORARY TRAFFIC SIGNALS AT INTERSECTIONS WITH FIRE STATION ACTUATED EMERGENCY VEHICLE PRE-EMPTION, OR WHEN INDICATED ON THE PLANS.
8. TRAFFIC SIGNAL MANAGEMENT SYSTEMS SHALL BE MAINTAINED IN OPERATION AS INDICATED ON THE PLANS OR AS DIRECTED BY THE ENGINEER. REQUIRED EQUIPMENT SHALL BE AS SHOWN ON THE PLANS AND THE CONTRACTOR SHALL PLACE THE EQUIPMENT IN OPERATION TO THE SATISFACTION OF THE ENGINEER AND THE AGENCY RESPONSIBLE FOR THE TRAFFIC SIGNAL MANAGEMENT SYSTEM.
8. TRAFFIC SIGNAL MANAGEMENT SYSTEMS SHALL BE MAINTAINED IN OPERATION AS INDICATED ON THE PLANS OR AS DIRECTED BY THE ENGINEER. REQUIRED EQUIPMENT SHALL BE AS SHOWN ON THE PLANS AND THE CONTRACTOR SHALL PLACE THE EQUIPMENT IN OPERATION TO THE SATISFACTION OF THE ENGINEER AND THE AGENCY RESPONSIBLE FOR THE TRAFFIC SIGNAL MANAGEMENT SYSTEM.
9. DETECTION AT TEMPORARY TRAFFIC SIGNALS SHALL BE INCLUDED FOR ALL APPROACHES OF THE INTERSECTION UNLESS INDICATED OTHERWISE ON THE PLANS. THE DETECTION SYSTEM MUST MEET THE SPECIFICATIONS OF DISTRICT 1 AND THE CONTRACTOR SHALL PLACE THE DETECTORS INTO OPERATION TO THE SATISFACTION OF THE ENGINEER.
10. CONTRACTOR MUST CONTACT FRANK KELLY AT THE OFFICE OF EMERGENCY MANAGEMENT AND COMMUNICATIONS (OEMC) PRIOR TO THE REMOVAL OF ANY SIGNAL EQUIPMENT TO COORDINATE THE REMOVAL AND REINSTALLATION OF OEMC EQUIPMENT AT THIS LOCATION BY OEMC STAFF. FRANK KELLY'S CONTACT IS PROVIDED BELOW.  
  
FRANK KELLY  
312-746-9238  
Frank.Kelly@cityofchicago.org
11. EXISTING TRAFFIC SIGNALS TO REMAIN SHALL BE COVERED AND BAGGED DURING CONSTRUCTION, UNLESS IN USE.
12. REFER TO SHEET 157 FOR REMOVAL OF EXISTING SIGNAL EQUIPMENT.

RESTORATION OF WORK AREA, RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO SNOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

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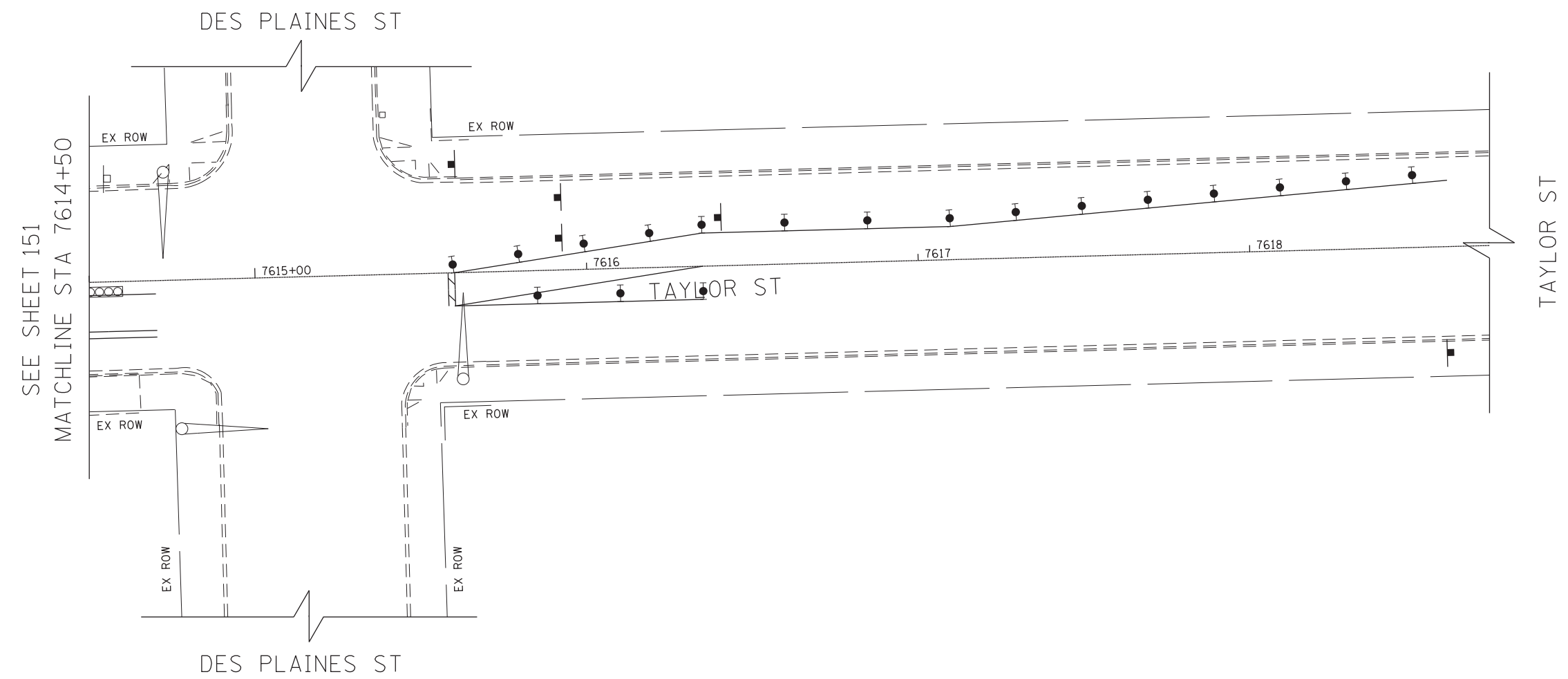
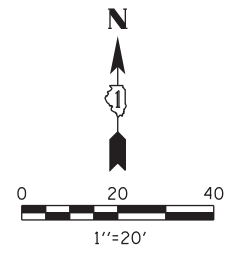
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PLOT DATE = 10/21/2014	DATE - 10/24/2014	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>TEMPORARY TRAFFIC SIGNAL PLAN (STAGE 1)</b>			
<b>TAYLOR ST AND UNION AVE</b>			
SCALE: 1" = 20'	SHEET	OF SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2013-012R	COOK	385	151
ILLINOIS FED. AID PROJECT			CONTRACT NO. 60W30	

CONSTRUCTION NOTES  
 EXISTING TRAFFIC SIGNALS AT DES PLAINES STREET WILL REMAIN IN OPERATION DURING CONSTRUCTION



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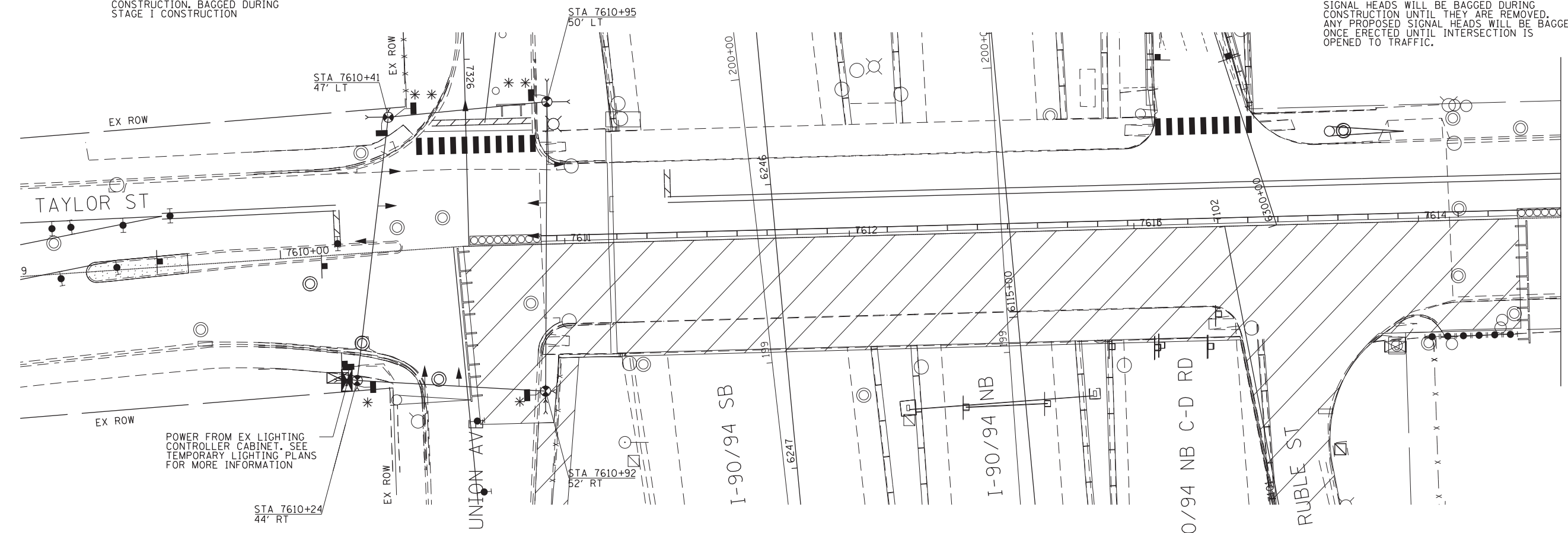
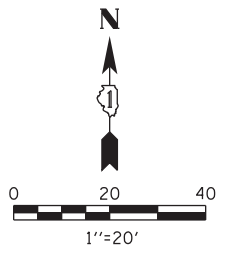
REFER TO SHEET 151 FOR TRAFFIC SIGNAL NOTES

RESTORATION OF WORK AREA, RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

	D:\60W30-sht-Ts-Tmp-02.dgn USER NAME = bjholman PLOT SCALE = 20.0000' / in. PLOT DATE = 10/21/2014	DESIGNED - RPJ DRAWN - BJH CHECKED - JMG DATE - 10/24/2014	REVISED - REVISED - REVISED - REVISED -	<b>STATE OF ILLINOIS          DEPARTMENT OF TRANSPORTATION</b>	<b>TEMPORARY TRAFFIC SIGNAL PLAN (STAGE 1)          TAYLOR ST AND DES PLAINES ST</b>				F.A.I. RTE. 90/94	SECTION 2013-012R	COUNTY COOK	TOTAL SHEETS 385	SHEET NO. 152
	SCALE: 1" = 20'    SHEET    OF    SHEETS    STA.    TO STA.					CONTRACT NO. 60W30 ILLINOIS FED. AID PROJECT							

- \* - OPERATIONAL ONLY DURING STAGE I CONSTRUCTION, BAGGED DURING STAGE II CONSTRUCTION
- \*\* - OPERATIONAL ONLY DURING STAGE II CONSTRUCTION, BAGGED DURING STAGE I CONSTRUCTION

**CONSTRUCTION NOTES**  
 THE NORTH AND SOUTH LEGS OF THE RUBLE STREET INTERSECTION WILL BE CLOSED DURING ALL STAGES OF CONSTRUCTION AND THE EXISTING TRAFFIC SIGNAL EQUIPMENT WILL NOT BE OPERATIONAL. ALL EXISTING TRAFFIC SIGNAL HEADS WILL BE BAGGED DURING CONSTRUCTION UNTIL THEY ARE REMOVED. ANY PROPOSED SIGNAL HEADS WILL BE BAGGED ONCE ERECTED UNTIL INTERSECTION IS OPENED TO TRAFFIC.



POWER FROM EX LIGHTING CONTROLLER CABINET, SEE TEMPORARY LIGHTING PLANS FOR MORE INFORMATION

MATCHLINE STA 7614+50  
SEE SHEET 154

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REFER TO SHEET 151 FOR TRAFFIC SIGNAL NOTES

RESTORATION OF WORK AREA, RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.



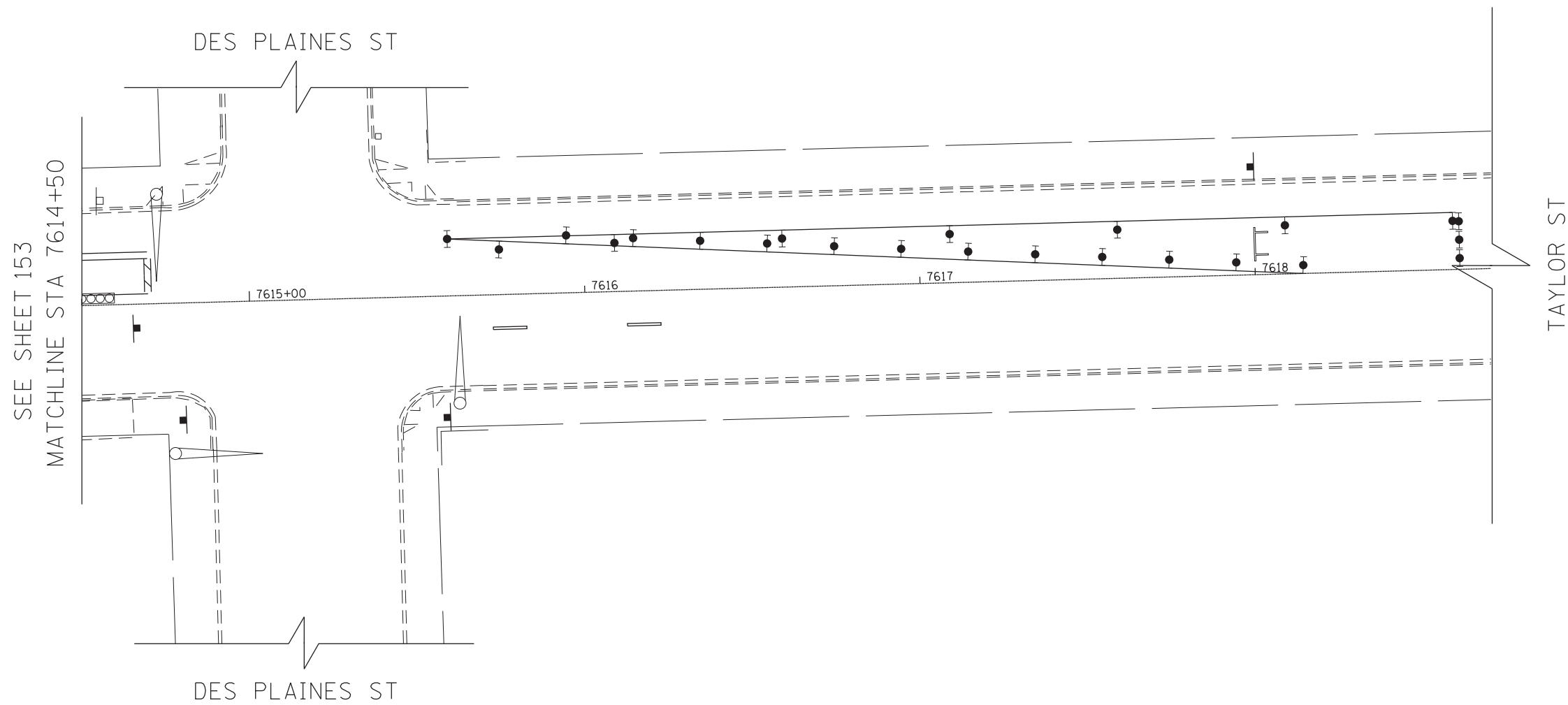
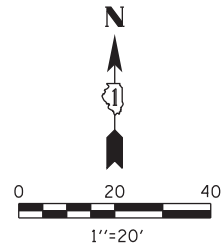
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PLOT DATE = 10/21/2014	DATE - 10/24/2014	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>TEMPORARY TRAFFIC SIGNAL PLAN (STAGE 2)</b>			
<b>TAYLOR ST AND UNION AVE</b>			
SCALE: 1" = 20'	SHEET	OF	SHEETS
STA.		TO	STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2013-012R	COOK	385	153
CONTRACT NO. 60W30				
ILLINOIS FED. AID PROJECT				

CONSTRUCTION NOTES  
 EXISTING TRAFFIC SIGNALS AT DES PLAINES STREET WILL REMAIN IN OPERATION DURING CONSTRUCTION



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REFER TO SHEET 151 FOR TRAFFIC SIGNAL NOTES

RESTORATION OF WORK AREA, RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.



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PLOT SCALE = 20.0000' / in.	CHECKED - JMG	REVISED -
PLOT DATE = 10/21/2014	DATE - 10/24/2014	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL PLAN (STAGE 2)  
 TAYLOR ST AND DES PLAINES ST

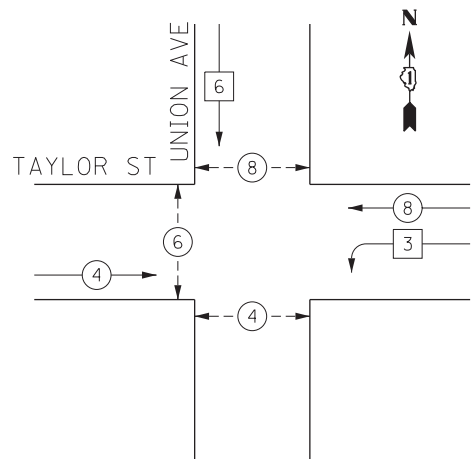
SCALE: 1" = 20' SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2013-012R	COOK	385	154
CONTRACT NO. 60W30			ILLINOIS FED. AID PROJECT	



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CONTROLLER SEQUENCE

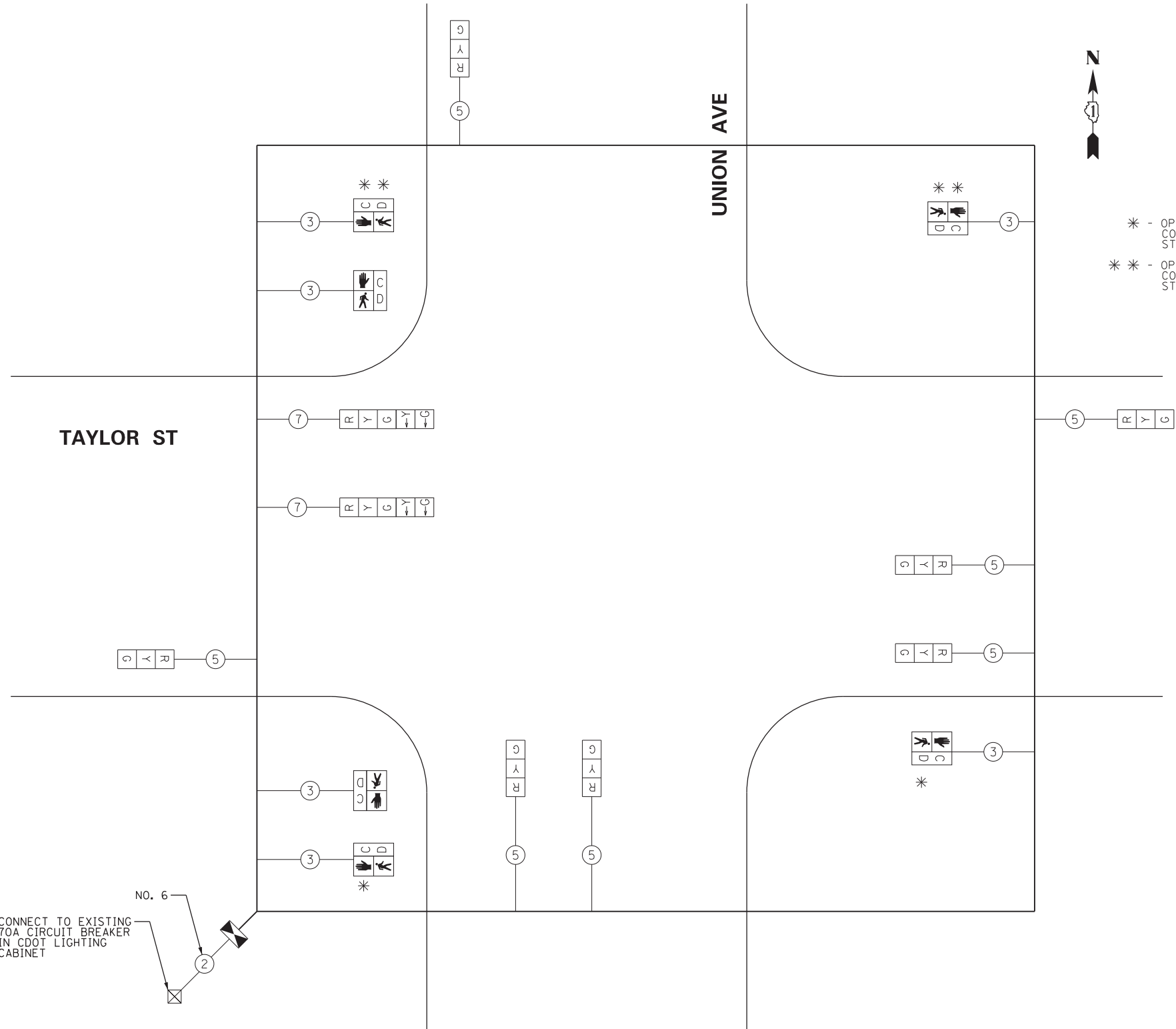


PHASE DESIGNATION DIAGRAM

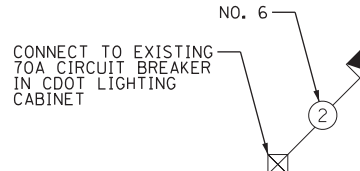
- LEGEND
- ⊙ DUAL ENTRY PHASE
  - ⊠ SINGLE ENTRY PHASE
  - ◊ OL OVERLAP
  - ⊙ PEDESTRIAN PHASE
  - \* NUMBER REFERS TO ASSOCIATED PHASE



- \* - OPERATIONAL ONLY DURING STAGE I CONSTRUCTION, BAGGED DURING STAGE II CONSTRUCTION
- \*\* - OPERATIONAL ONLY DURING STAGE II CONSTRUCTION, BAGGED DURING STAGE I CONSTRUCTION



TEMPORARY CABLE PLAN (ALL STAGES)



I.D.O.T.  
TRAFFIC SIGNAL INSTALLATION  
ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	WATTAGE		% OPERATIONS	TOTAL WATTAGE
		INCAND.	LED		
SIGNAL (RED)	9	135	17	0.50	76.50
(YELLOW)	9	135	25	0.25	56.25
(GREEN)	9	135	15	0.25	33.75
ARROW	4	135	12	0.10	4.80
PED. SIGNAL	6	90	25	1.00	150.00
CONTROLLER	1	100	100	1.00	100.00
ILLUM. SIGN			25	0.50	
VIDEO SYSTEM		150		1.00	

ENERGY COSTS TO: TOTAL = 421.30

ILLINOIS DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS/DISTRICT 1  
201 WEST CENTER COURT/SCHAUMBURG, IL 60196

ENERGY SUPPLY: CONTACT: \_\_\_\_\_  
PHONE: \_\_\_\_\_  
COMPANY: COM ED

RESTORATION OF WORK AREA, RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDING IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

NOTE:  
CONTRACTOR MUST PROVIDE CDOT A TEMPORARY TIMING SCHEDULE FOR THEIR APPROVAL BASED ON THE PHASE DESIGNATION DIAGRAM. CONTRACTOR SHALL THEN INSTALL CDOT APPROVED SIGNAL TIMING FOR TEMPORARY SIGNAL OPERATION AT THIS LOCATION. THIS WORK SHALL NOT BE PAID FOR SEPARATELY AND SHALL BE CONSIDERED INCLUDED IN THE "TEMPORARY TRAFFIC SIGNAL INSTALLATION" PAY ITEM.



DI60W30-sht-Ts-Tmp-05.dgn  
USER NAME = bjholman  
PLOT SCALE = 1:8000 / 1" = 100'  
PLOT DATE = 10/21/2014

DESIGNED - RPJ  
DRAWN - BJH  
CHECKED - JMG  
DATE - 10/24/2014

REVISED -  
REVISED -  
REVISED -  
REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TEMPORARY CABLE PLAN AND SEQUENCE OF OPERATION (ALL STAGES)  
TAYLOR ST AND UNION AVE

SCALE: NONE SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2013-012R	COOK	385	155
CONTRACT NO. 60W30				
ILLINOIS FED. AID PROJECT				

# TRAFFIC SIGNAL LEGEND

ITEM	REMOVAL	EXISTING	PROPOSED	ITEM	REMOVAL	EXISTING	PROPOSED	ITEM	REMOVAL	EXISTING	PROPOSED
CONTROLLER CABINET				EMERGENCY VEHICLE LIGHT DETECTOR				ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1/C, UNLESS NOTED OTHERWISE			
RAILROAD CONTROL CABINET				CONFIRMATION BEACON				COAXIAL CABLE			
COMMUNICATIONS CABINET				HANDHOLE				VENDOR CABLE FOR CAMERA			
MASTER CONTROLLER				HEAVY DUTY HANDHOLE				COPPER INTERCONNECT CABLE, NO. 18 3 PAIR TWISTED, SHIELDED			
MASTER MASTER CONTROLLER				DOUBLE HANDHOLE				FIBER OPTIC CABLE NO. 62.5/125, MM12F			
UNINTERRUPTIBLE POWER SUPPLY				JUNCTION BOX				FIBER OPTIC CABLE NO. 62.5/125, MM12F SM12F			
SERVICE INSTALLATION, (P) POLE OR (G) GROUND MOUNT				GALVANIZED STEEL CONDUIT IN TRENCH (T) OR PUSHED (P)				FIBER OPTIC CABLE NO. 62.5/125, MM12F (NUMBER OF FIBERS & TYPE TO BE NOTED ON PLANS)			
TELEPHONE CONNECTION (P) POLE OR (G) GROUND MOUNT				TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE				GROUND ROD AT (C) CONTROLLER, (H) HANDHOLE, (P) POST, (M) MAST ARM, OR (S) SERVICE			
STEEL MAST ARM ASSEMBLY AND POLE				COMMON TRENCH				CONTROLLER CABINET AND FOUNDATION TO BE REMOVED			
ALUMINUM MAST ARM ASSEMBLY AND POLE				COILABLE NONMETALLIC CONDUIT (EMPTY)				STEEL MAST ARM POLE AND FOUNDATION TO BE REMOVED			
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE				SYSTEM ITEM				ALUMINUM MAST ARM POLE AND FOUNDATION TO BE REMOVED			
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH PTZ CAMERA				INTERSECTION ITEM				STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE AND FOUNDATION TO BE REMOVED			
SIGNAL POST				REMOVE ITEM				SIGNAL POST AND FOUNDATION TO BE REMOVED			
TEMPORARY WOOD POLE (CLASS 5 OR BETTER) 45 FOOT (13.7m) MINIMUM				RELOCATE ITEM				INTERSECTION & SAMPLING (SYSTEM) DETECTOR			
GUY WIRE				ABANDON ITEM				SAMPLING (SYSTEM) DETECTOR			
SIGNAL HEAD				12" (300mm) TRAFFIC SIGNAL SECTION				EXISTING INTERSECTION LOOP DETECTOR			
SIGNAL HEAD CONSTRUCTION STAGES (NUMBERS INDICATE THE CONSTRUCTION STAGE)				12" (300mm) RED WITH 8" (200mm) YELLOW AND GREEN TRAFFIC SIGNAL FACE				PROPOSED INTERSECTION AND SAMPLING (SYSTEM) DETECTOR			
SIGNAL HEAD WITH BACKPLATE				SIGNAL FACE				EXISTING PREFORMED INTERSECTION LOOP DETECTOR			
SIGNAL HEAD OPTICALLY PROGRAMMED				SIGNAL FACE WITH BACKPLATE, "P" INDICATES PROGRAMMED HEAD				PROPOSED INTERSECTION AND SAMPLING (SYSTEM) DETECTOR			
FLASHER INSTALLATION (S DENOTES SOLAR POWER)				12" (300mm) PEDESTRIAN SIGNAL HEAD WALK/DON'T WALK SYMBOL				PREFORMED INTERSECTION AND SAMPLING (SYSTEM) DETECTOR			
PEDESTRIAN SIGNAL HEAD				12" (300mm) PEDESTRIAN SIGNAL HEAD INTERNATIONAL SYMBOL, OUTLINED				PREFORMED SAMPLING (SYSTEM) DETECTOR			
PEDESTRIAN PUSHBUTTON DETECTOR				12" (300mm) PEDESTRIAN SIGNAL HEAD INTERNATIONAL SYMBOL, SOLID				RAILROAD CONTROL CABINET			
ACCESSIBLE PEDESTRIAN PUSHBUTTON DETECTOR				PEDESTRIAN SIGNAL HEAD, INTERNATIONAL SYMBOL, WITH COUNTDOWN TIMER				RAILROAD CANTILEVER MAST ARM			
ILLUMINATED SIGN "NO LEFT TURN"				RADIO INTERCONNECT				FLASHING SIGNAL			
ILLUMINATED SIGN "NO RIGHT TURN"				RADIO REPEATER				CROSSING GATE			
DETECTOR LOOP, TYPE I				DENOTES NUMBER OF CONDUCTORS, ELECTRIC CABLE NO. 14, UNLESS NOTED OTHERWISE, ALL DETECTOR LOOP CABLE TO BE SHIELDED				CROSSBUCK			
PREFORMED DETECTOR LOOP				GROUND CABLE IN CONDUIT NO. 6 SOLID COPPER (GREEN)							
MICROWAVE VEHICLE SENSOR											
VIDEO DETECTION CAMERA											
VIDEO DETECTION ZONE											
PAN, TILT, ZOOM CAMERA											
WIRELESS DETECTOR SENSOR											
WIRELESS ACCESS POINT											

## RAILROAD SYMBOLS

EXISTING	PROPOSED

FILE PATH = p:\388035-projects\americas\transporation\60269938-Circle\Phase1\000-CAD\006-Roadway\Sheets\60W30-Contract\0160W30-sht-Ts-Tmp-06.dgn



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PLOT SCALE = 10.0000 / in.	CHECKED - JMG	REVISED -
PLOT DATE = 10/21/2014	DATE - 10/24/2014	REVISED -

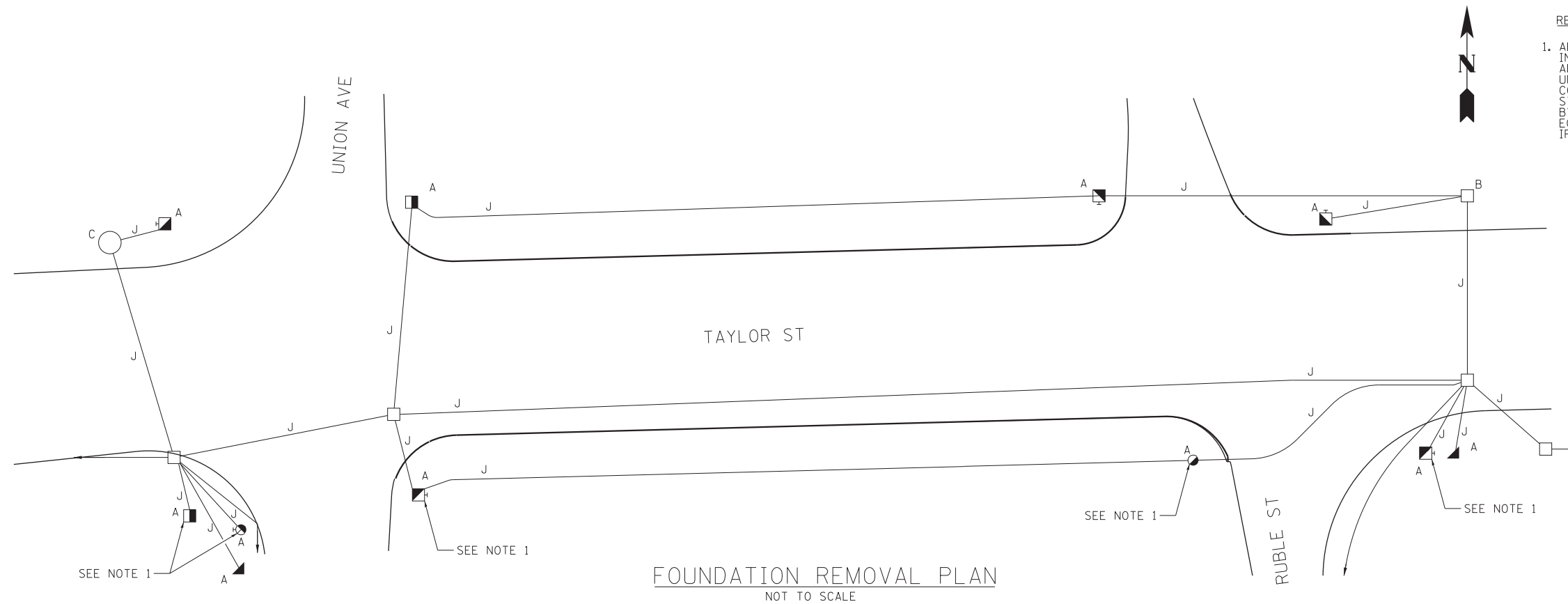
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IDOT TRAFFIC SIGNAL LEGEND**

SCALE: NONE    SHEET    OF    SHEETS    STA.    TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2013-012R	COOK	385	156
CONTRACT NO. 60W30			ILLINOIS FED. AID PROJECT	

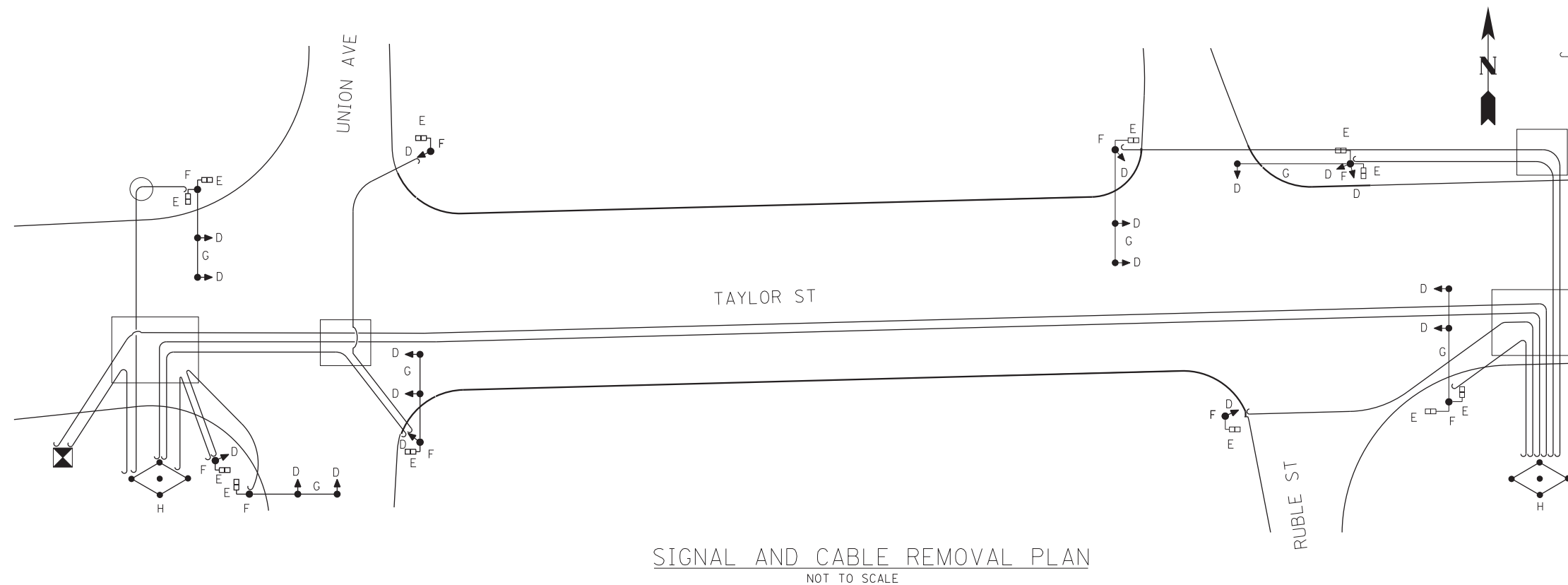
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**REMOVAL NOTES**

1. ALL LIGHTING EQUIPMENT AT THIS LOCATION INCLUDING THE FOUNDATION, POLE, MAST ARM, AND LUMINAIRE MUST REMAIN IN OPERATION UNTIL THE NORTH SIDE OF THE BRIDGE IS CONSTRUCTED AND TRAFFIC IS MOVED TO STAGE 2 OF CONSTRUCTION, AND AS DIRECTED BY THE ENGINEER. EXISTING TRAFFIC SIGNAL EQUIPMENT AT THIS LOCATION SHALL BE BAGGED IF NOT IN USE, AS DIRECTED BY THE ENGINEER.

**FOUNDATION REMOVAL PLAN**  
NOT TO SCALE



**REMOVAL LEGEND**

- A - BREAKDOWN FOUNDATION
- B - BREAKDOWN MANHOLE
- C - BREAKDOWN HANDHOLE
- D - REMOVE TRAFFIC SIGNAL
- E - REMOVE PEDESTRIAN SIGNAL
- F - REMOVE TRAFFIC SIGNAL POST OR POLE
- G - REMOVE TRAFFIC SIGNAL MAST ARM
- H - REMOVE TRAFFIC SIGNAL CONTROLLER
- J - ABANDON CONDUIT
- - CABLE TO BE REMOVED

**SIGNAL AND CABLE REMOVAL PLAN**  
NOT TO SCALE

A			
DATE		REVISION	
SUPERSEDES DRAWING NO.:			
TRAFFIC CONTROL SIGNALS TAYLOR ST, UNION AVE & RUBLE ST			
CITY OF CHICAGO DEPARTMENT OF TRANSPORTATION DIVISION OF ELECTRICAL OPERATIONS			
DRAFTSMAN:	CHIEF DRAFTSMAN:	ENGINEER: R. JACOX	
SUPERVISING ENGINEER:	ELEC. DESIGN ENGR.		DWG. NO. 22442 A
ENGINEER OF ELECTRICITY:			
GEN'L SUPT. OF ELECTRICITY:			
DEPUTY COMMISSIONER:			
SIZE:	SCALE: AS NOTED	DATE: 10/24/2014	
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS
90/94	2013-012R	COOK	385
			SHEET NO. 157
CONTRACT NO. 60W30			
ILLINOIS FED. AID PROJECT			



D160W30-sht-Ts-Pr-01.dgn  
USER NAME = bjholmon  
PLOT SCALE = 20.0000' / in.  
PLOT DATE = 10/21/2014

DESIGNED - RPJ  
DRAWN - BJH  
CHECKED - JMG  
DATE - 10/24/2014

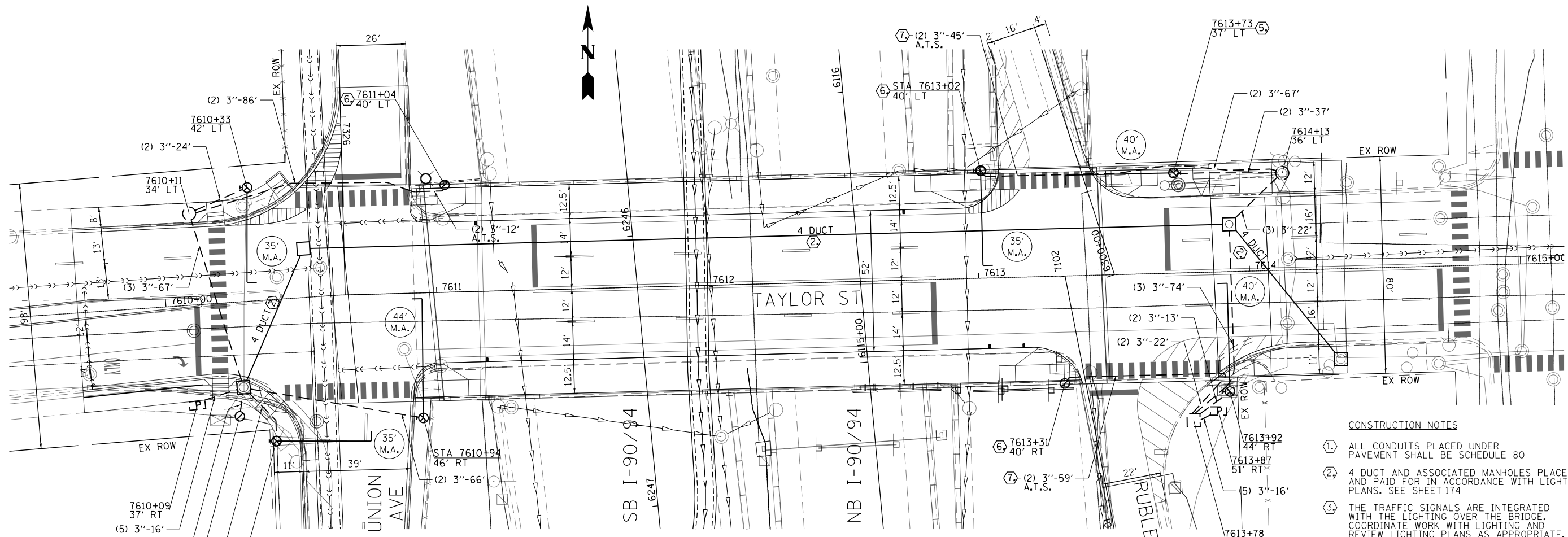
REVISED -  
REVISED -  
REVISED -  
REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL SIGNAL REMOVAL PLAN  
TAYLOR ST, UNION AVE, AND RUBLE ST**

SCALE: AS NOTED SHEET 1 OF 2 SHEETS STA. TO STA.

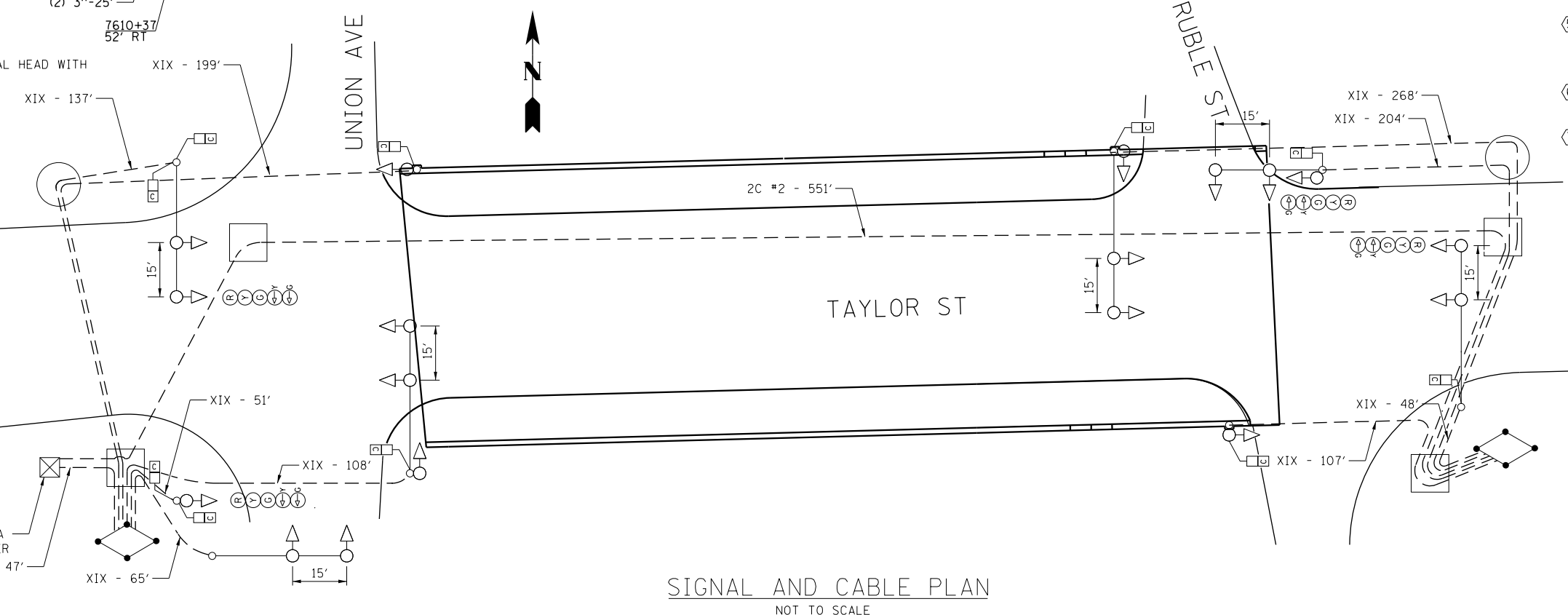
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- CONSTRUCTION NOTES**
- ALL CONDUITS PLACED UNDER PAVEMENT SHALL BE SCHEDULE 80
  - 4 DUCT AND ASSOCIATED MANHOLES PLACED AND PAID FOR IN ACCORDANCE WITH LIGHTING PLANS. SEE SHEET 1174
  - THE TRAFFIC SIGNALS ARE INTEGRATED WITH THE LIGHTING OVER THE BRIDGE. COORDINATE WORK WITH LIGHTING AND REVIEW LIGHTING PLANS AS APPROPRIATE.
  - TRAFFIC SIGNAL AND COMBINATION POLES MOUNTED ON BRIDGE ARE INTEGRAL TO THE BRIDGE STRUCTURE PARAPET WALL. SEE STRUCTURAL PLANS FOR DETAILS AND FINAL LOCATION OF FOUNDATIONS.
  - TRAFFIC SIGNAL TO BE LOCATED IN VALLEY OF EXISTING SHEET PILING TO MAXIMIZE SPACE FOR SIGNAL FOUNDATION. COORDINATE LOCATION OF HOLE IN VAULT DECK WITH STRUCTURAL PLANS AND CONDITIONS IN FIELD. SEE SHEET S25C.
  - 14' OF CONDUIT EMBEDDED IN STRUCTURE, 3" INCLUDED FOR EACH SIGNAL POLE ATTACHED TO STRUCTURE
  - PORTIONS OF THE NEW CONDUIT RUNS WILL BE ROUTED THROUGH THE EXISTING EAST ABUTMENT WALL, THE VAULTED AREA BEHIND THE ABUTMENT WALL AND THE EAST APPROACH BENT WALL AS SHOWN. THE CONTRACTOR SHALL PERFORM ALL WORK REQUIRED TO INSTALL AND SUPPORT THESE CONDUITS THROUGH THESE EXISTING STRUCTURES. THE COST OF THIS WORK WILL NOT BE PAID FOR SEPARATELY AND SHALL BE INCLUDED IN THE COST OF THE "CONDUIT ATTACHED TO STRUCTURE, PVC COATED GALVANIZED STEEL" PAY ITEM OF THE DIAMETER SPECIFIED.

**SIGNAL AND CABLE LEGEND:**

☐ - LED PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN TIMER



DATE	REVISION
SUPERSEDES DRAWING NO.: 22442 DATED: 10-30-86	
<b>TRAFFIC CONTROL SIGNALS TAYLOR ST, UNION AVE &amp; RUBLE ST</b>	
CITY OF CHICAGO DEPARTMENT OF TRANSPORTATION DIVISION OF ELECTRICAL OPERATIONS	
DRAFTSMAN:	CHIEF DRAFTSMAN: ENGINEER: R. JACOX
SUPERVISING ENGINEER: ELEC. DESIGN ENGR.	DWC. NO. <b>22442</b>
ENGINEER OF ELECTRICITY:	
GEN'L Supt. OF ELECTRICITY:	
DEPUTY COMMISSIONER:	
SIZE:	SCALE: AS NOTED DATE: 12/05/14
F.A.I. R.E.:	SECTION COUNTY TOTAL SHEETS SHEET NO. 90/94 2013-012R COOK 385 158
CONTRACT NO. 60W30	
ILLINOIS FED. AID PROJECT	



D160W30-sht-Ts-Pr-02.DGN	DESIGNED - RPJ	REVISED -
USER NAME = bjholman	DRAWN - BUH	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED - JMG	REVISED -
PLOT DATE = 12/4/2014	DATE - 12/05/14	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL SIGNALS  
TAYLOR ST, UNION AVE, AND RUBLE ST**

SCALE: AS NOTED SHEET 2 OF 2 SHEETS STA. TO STA.

DIAL	CYCLE LENGTH	OFFSET	TIMES OF OPERATION	FLASH OPERATION
1	85"	58"	ALL TIMES	RΦ4, RΦ6, RΦ8
2				ALL ARROWS AND WALK/DON'T WALK OFF
3				

### DIAL 1

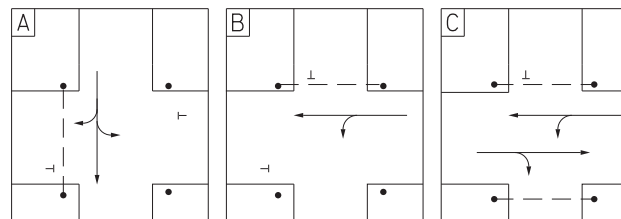
PHASE NUMBER	PHASE							
	1	2	3	4	5	6	7	8
DIRECTION	SBLT	NB	WBLT	EB	NBLT	SB	EBLT	WB
MINIMUM GREEN			28	19		25		50
VEHICLE EXTENSION			0					
MAX GREEN (MAX 1)			28					
YELLOW CHANGE			3	3		3		3
RED CLEARANCE				2		2		2
WALK				7		13		38
PED CLEARANCE				12		12		12
RECALL								
SPLITS			31	24		30		55

### DIAL 2

PHASE NUMBER	PHASE							
	1	2	3	4	5	6	7	8
DIRECTION	SBLT	NB	WBLT	EB	NBLT	SB	EBLT	WB
MINIMUM GREEN								
VEHICLE EXTENSION								
MAX GREEN (MAX 1)								
YELLOW CHANGE								
RED CLEARANCE								
WALK								
PED CLEARANCE								
RECALL								
SPLITS								

### DIAL 3

PHASE NUMBER	PHASE							
	1	2	3	4	5	6	7	8
DIRECTION	SBLT	NB	WBLT	EB	NBLT	SB	EBLT	WB
MINIMUM GREEN								
VEHICLE EXTENSION								
MAX GREEN (MAX 1)								
YELLOW CHANGE								
RED CLEARANCE								
WALK								
PED CLEARANCE								
RECALL								
SPLITS								



## CITY OF CHICAGO DEPARTMENT OF TRANSPORTATION

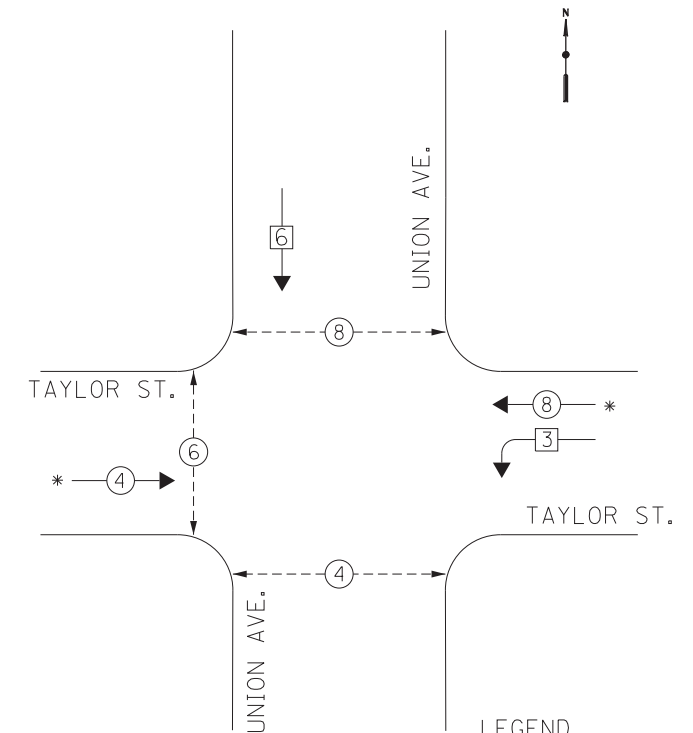
### S. UNION AVENUE & W. TAYLOR STREET

#### TRAFFIC SIGNAL TIMING SCHEDULE

DESIGNED BY: RPJ	APPROVED:	PAGE ___ OF ___
DATE: 2014/09/24	TRAFFIC ENGINEER:	
CHECKED BY: BJH		
DATE: 2014/10/20		

SENT: \_\_\_\_\_ INSTALLED: \_\_\_\_\_

#### CONTROLLER SEQUENCE



- LEGEND**
- ⊕ → DUAL ENTRY PHASE
  - ⊕ → SINGLE ENTRY PHASE
  - ⊕ → OVERLAP
  - ⊕ → PEDESTRIAN PHASE
  - # NUMBER REFERS TO ASSOCIATED PHASE
  - \* COORDINATED PHASE

### S. UNION AVENUE & W. TAYLOR STREET

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D160W30-sht-Ts-Pr-05.dgn  
USER NAME = bjholmen  
PLOT SCALE = 1:0000 / in.  
PLOT DATE = 10/21/2014

DESIGNED - RPJ  
DRAWN - BJH  
CHECKED - JMG  
DATE - 10/24/2014

REVISED -  
REVISED -  
REVISED -  
REVISED -

### STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

#### TRAFFIC SIGNAL TIMING SCHEDULE TAYLOR ST AND UNION AVE

SCALE: NONE SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2013-012R	COOK	385	159
CONTRACT NO. 60W30			ILLINOIS FED. AID PROJECT	

DIAL	CYCLE LENGTH	OFFSET	TIMES OF OPERATION	FLASH OPERATION
1	85"	14"	ALL TIMES	RΦ2, RΦ4, RΦ8
2				ALL ARROWS AND WALK/DON'T WALK OFF
3				

### DIAL 1

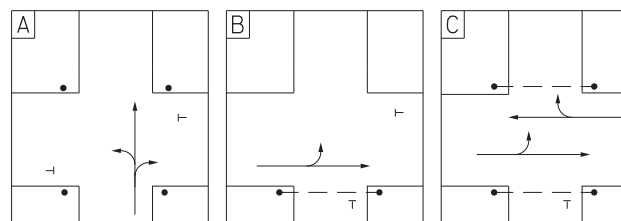
PHASE NUMBER	PHASE							
	1	2	3	4	5	6	7	8
DIRECTION	SBLT	NB	WBLT	EB	NBLT	SB	EBLT	WB
MINIMUM GREEN		27		48			28	17
VEHICLE EXTENSION							0	
MAX GREEN (MAX 1)							28	
YELLOW CHANGE		3		3			3	3
RED CLEARANCE		2		2				2
WALK				35				7
PED CLEARANCE				13				10
RECALL								
SPLITS		32		53			31	22

### DIAL 2

PHASE NUMBER	PHASE							
	1	2	3	4	5	6	7	8
DIRECTION	SBLT	NB	WBLT	EB	NBLT	SB	EBLT	WB
MINIMUM GREEN								
VEHICLE EXTENSION								
MAX GREEN (MAX 1)								
YELLOW CHANGE								
RED CLEARANCE								
WALK								
PED CLEARANCE								
RECALL								
SPLITS								

### DIAL 3

PHASE NUMBER	PHASE							
	1	2	3	4	5	6	7	8
DIRECTION	SBLT	NB	WBLT	EB	NBLT	SB	EBLT	WB
MINIMUM GREEN								
VEHICLE EXTENSION								
MAX GREEN (MAX 1)								
YELLOW CHANGE								
RED CLEARANCE								
WALK								
PED CLEARANCE								
RECALL								
SPLITS								



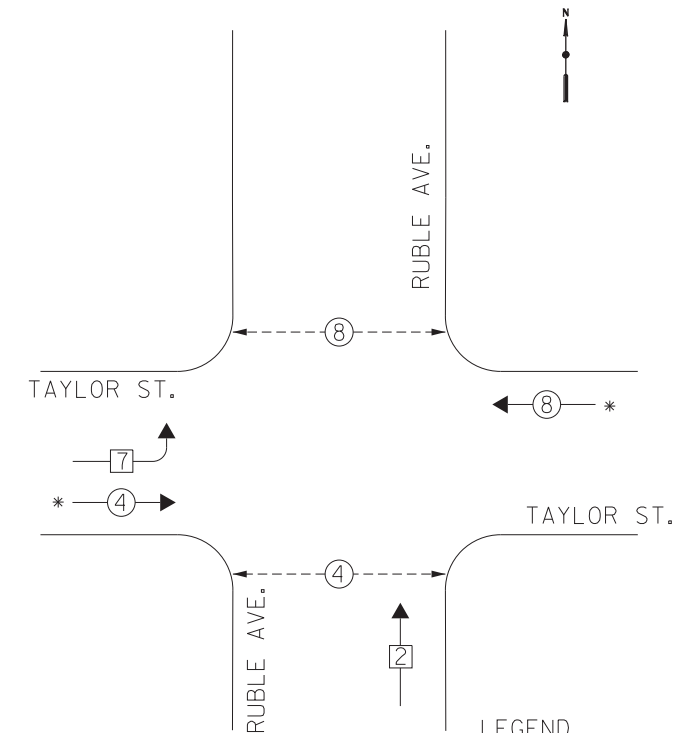
## S. RUBLE AVENUE & W. TAYLOR STREET

### TRAFFIC SIGNAL TIMING SCHEDULE

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DATE: 2014/09/24	TRAFFIC ENGINEER:	
CHECKED BY: BJH		
DATE: 2014/10/20		

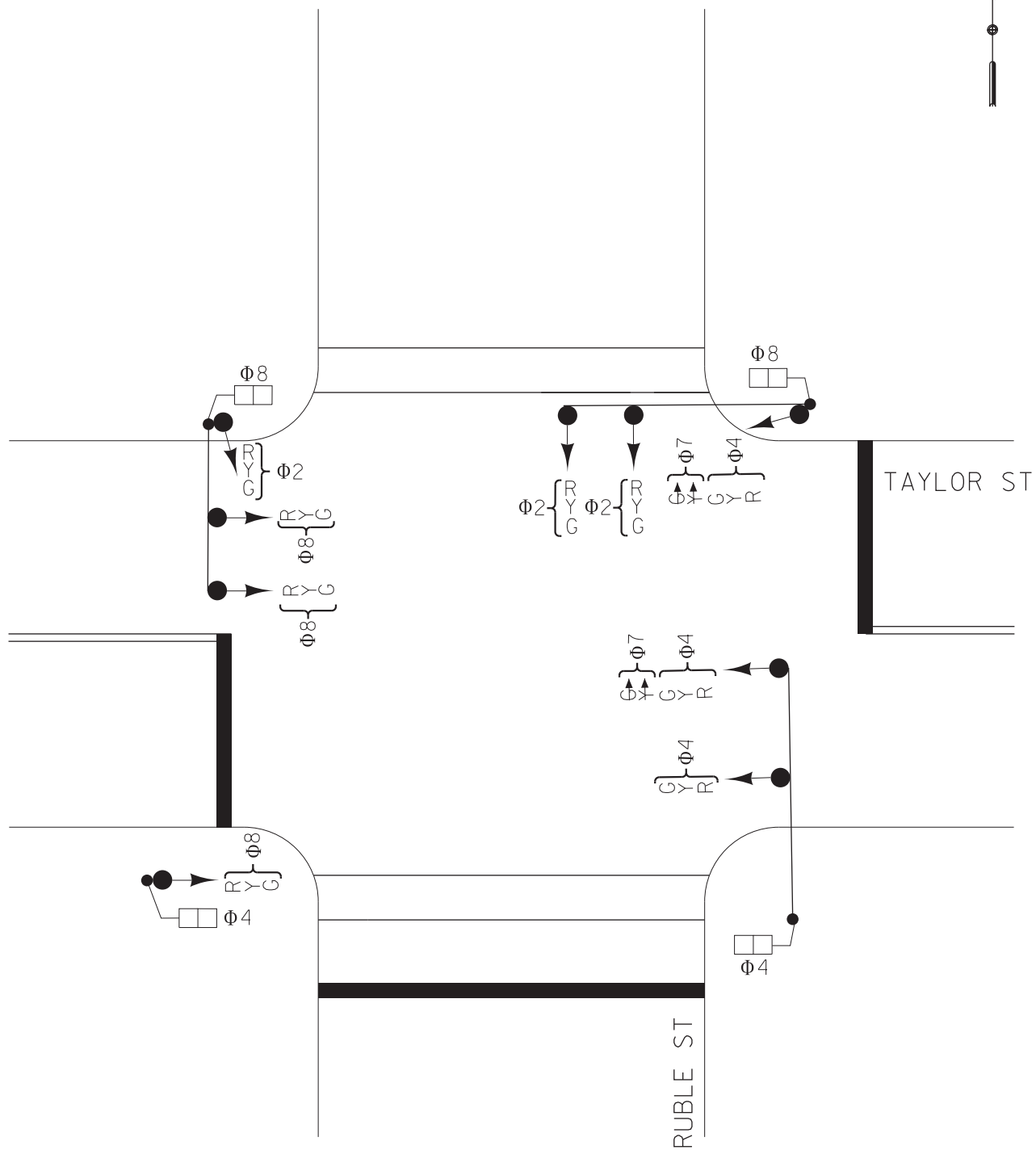
SENT: \_\_\_\_\_ INSTALLED: \_\_\_\_\_

### CONTROLLER SEQUENCE



#### LEGEND

- ⊕ DUAL ENTRY PHASE
- ⊞ SINGLE ENTRY PHASE
- ◊ OL OVERLAP
- ⊞ PEDESTRIAN PHASE
- # NUMBER REFERS TO ASSOCIATED PHASE
- \* COORDINATED PHASE



## S. RUBLE AVENUE & W. TAYLOR STREET

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D160W30-sht-Ts-Pr-06.dgn  
USER NAME = bjholm  
PLOT SCALE = 1.0000' / 1in.  
PLOT DATE = 10/21/2014

DESIGNED - RPJ  
DRAWN - BJH  
CHECKED - JMG  
DATE - 10/24/2014

REVISED -  
REVISED -  
REVISED -  
REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

### TRAFFIC SIGNAL TIMING SCHEDULE TAYLOR ST AND RUBLE ST

SCALE: NONE SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2013-012R	COOK	385	160
CONTRACT NO. 60W30			ILLINOIS FED. AID PROJECT	

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PROPOSED	PRESENT	
		SIGNAL, TRAFFIC 3 SECTION 1-WAY ADJUSTABLE, 12" OR AS NOTED
		SIGNAL, TRAFFIC 3 SECTION 2-WAY ADJUSTABLE, 12" OR AS NOTED
		SIGNAL OPTICALLY PROGRAMMED
		SIGNAL, PEDESTRIAN, DON'T WALK/WALK
		SIGNAL FACE ARROW, 12" COLOR AS NOTED
		SIGNAL FACE, 1 SECTION YELLOW/GREEN ARROW DUAL INDICATION
		PUSH BUTTON, PEDESTRIAN
		SIGN, ILLUMINATED, WITH MESSAGE OR SYMBOL AS INDICATED
		MAST ARM, MONOTUBE, STEEL. SIZE AS INDICATED (SEE DWG. #870)
		MAST ARM, TRUSS, ALUMINUM. SIZE AS INDICATED
		CONTROLLER, TRAFFIC SIGNAL. PEDESTAL OR BASE MOUNTED AS INDICATED
		CONTROLLER, STREET LIGHTING. PEDESTAL OR BASE MOUNTED. (DWG. 876 or 880)
		CONTROLLER, STREET LIGHTING. POLE MOUNTED (DWG. #11940)
		POLE, WOOD. COMMONWEALTH EDISON COMPANY, SERVICE
		POLE, CITY STEEL, ANCHOR BASE, 34'-6", 7 GA. 10" DIA. AND 15" B.C. 24"X7" FND. W/1 1/4" ANCHOR RODS DRG. #818.
		POLE, CITY STEEL, ANCHOR BASE, 34'-6", 3 GA. 10" DIA. AND 15" B.C. 24"X9" FND. W/1 1/4" ANCHOR RODS DRG. #818 (16', 20' or 26' M.A.)
		POLE, CITY STEEL, ANCHOR BASE, 34'-6", 3 GA., 11" DIA. AND 17 1/4" B.C. 30"X9" FND. W/1 1/4" ANCHOR RODS DRG. #816. (30' M.A.)
		POLE, CITY STEEL, ANCHOR BASE 34'-6", 3 GA. 12 1/2" DIA. AND 16 1/2" B.C. 30"X11" FND. W/1 1/2" ANCHOR RODS DRG. #817. (35', 40' or 44' M.A.)
		POLE, CITY STEEL, ANCHOR BASE, 32'-6", 3 GA. 10" DIA., WITH 3 GA. BAL. HSG. BASE AND 17 1/4" B. C. ON 30"X9" FND. W/ 11/4" ANCHOR RODS DRG. #816.
		POLE, CITY STEEL, ANCHOR BASE, 20', 27'-6", 29'-6", 7 GA. WITH STEEL BAL. HSG. BASE AND FND. W/10" D. B.C. AND 1" ANCHOR RODS DRG. #716.
		POLE, CITY STEEL, ANCHOR BASE, 20', 27'-6", 29'-6", 3 GA., WITH STEEL BAL. HSG. BASE AND FND. W/10" D. B.C. AND 1" ANCHOR RODS DRG. #719.
		POLE, CITY STEEL, ANCHOR BASE, 20', 27'-6", 29'-6" 7 GA., AND FND. WITH 10" B.C. AND 1" ANCHOR RODS DRG. #11408B.
		POLE, CITY STEEL, ANCHOR BASE, 20', 27'-6", 29'-6" 3 GA., AND FND. WITH 10" B.C. AND 1" ANCHOR RODS DRG. #11408B.
		POLE, CITY STEEL, ANCHOR BASE, 32'-6", 7 GA., AND FND. WITH 11 1/2" B.C. AND 1" ANCHOR RODS DRG. #753.
		POLE, CITY STEEL, ANCHOR BASE, 32'-6", 3 GA., AND FND. WITH 11 1/2" B.C. AND 1" ANCHOR RODS DRG. #753.
		POLE, CITY STEEL, ANCHOR BASE, 32'-6" 7 GA., ALUM. BHB AND FND. WITH 15" B.C.-24"X7" WITH 1" ANCHOR RODS DRG. #691.
		POLE, CITY STEEL, ANCHOR BASE, 32'-6", 3 GA., ALUM. BHB AND FND. WITH 15" B.C. 24"X7" WITH 1" ANCHOR RODS DRG. #691.
		POLE, CITY ALUMINUM, WITH ROUND BAL. HSG. BASE, 25', 28', or 30' ON FND. WITH 14" B.C., ACQUIRED FROM CHICAGO PARK DISTRICT.
		POLE, CITY STEEL, EMBEDDED, 4"X 9"X 35' 7 GA., TAPERED TUBULAR. (DWG. #658)
		POLE, CITY STEEL, EMBEDDED, 4"X 9"X 35' 3 GA., TAPERED TUBULAR. (DWG. #658)
		POLE, CITY STEEL, EMBEDDED. (ACQUIRED FROM CTA)
		COLUMN, ELEVATED STRUCTURE
		POLE, WOOD. (SIZE AS NOTED)
		POLE, FOUNDATION WITH ELBOWS AS INDICATED. (SIZE AS NOTED)
		POLE, ORNAMENTAL OR OTHER, AS INDICATED ON THE PLANS

PROPOSED	PRESENT	
		HANDHOLE, HEAVY DUTY, 36" I.D. (DWG.#866)
		HANDHOLE, CIRCULAR WITH 24" FRAME & COVER, 30" I.D. (#867)
		MANHOLE, CITY 3'X4'X4' DWG. #729 or 730; 4'X6'X6' DWG. #732 or 733.
		FOUNDATION, CONTROLLER OR PEDESTAL, 13" B.C., 20"X5' (DWG. #709)
		FOUNDATION, TRAFFIC CONTROLLER DWG. #854. F.A. TERMINAL FND. DWG. #11972
		FOUNDATION, TRAFFIC TYPE "P", BASE MOUNT. (DWG. #888)
		FOUNDATION, CONTROLLER STREET LIGHT, SPECIAL, 100A & 200A. (DWG.#876 & # 880)
		FOUNDATION, TRANSCLOSURE; TRANSCLOSURE HOUSING. (DWG.# 583 & #891)
		CONTROLLER, UNDERPASS LIGHTING 120V. & 240V. (DWG. #860 & #861)
		MANHOLE, UTILITY, E=COMMONWEALTH EDISON; T=ILL. BELL TEL.; G=PEOPLES GAS; W=CITY WATER; P=CHGO PARK DISTRICT; CTA=C.T.A.; S= SEWER
		JUNCTION BOX, IN PAVEMENT (DWG. #815)
		DETECTOR LOOP IN PAVEMENT
		CONDUIT or P.V.C., NUMBER, SIZE & TYPE. (AS NOTED)
		CONDUIT or P.V.C. ENCASED IN CONCRETE. (SECTION or NUMBER OF CONDUIT INDICATED)
		LUMINAIRE, H.P.S.V. 400W LAMP, 240V, SEMI-CUTOFF
		LUMINAIRE, H.P.S.V. 400W LAMP, 240V, CUTOFF
		LUMINAIRE, H.P.S.V. 310W LAMP, 240V
		LUMINAIRE, H.P.S.V. 310W LAMP 240V, CUTOFF
		LUMINAIRE, H.P.S.V. 150W LAMP, 240V
		LUMINAIRE, H.P.S.V. 150W LAMP, 120V
		LUMINAIRE, H.P.S.V. 250W LAMP, 120V, (ALLEY LIGHT)
		LUMINAIRE, H.P.S.V. 250W LAMP, 120V
		TERMINAL, CABINET F.A. & P.C.
		FIRE ALARM BOX, MOUNTED
		FIRE ALARM BOX, POLE MOUNTED
		CABLE, TRAFFIC SIGNAL, COMMUNICATION, 1-PAIR #14 SHIELDED, IN CONDUIT
		CABLE, TRAFFIC SIGNAL POWER SUPPLY, 2/C- #4, 600 V. EPR. IN CONDUIT
		CABLE, TRAFFIC SIGNAL POWER SUPPLY, 2 1/C-#2 or #1/0 600V. EPR IN CONDUIT
		CABLE, TRAFFIC SIGNAL POWER SUPPLY, 2/C-#10 or #6, 600V NSRI, IN CONDUIT
		CABLE, TRAFFIC SIGNAL, 7/C-#12 or #14, 600V, EPR IN CONDUIT
		CABLE, TRAFFIC SIGNAL, 10/C-#12 or #14, 600V, EPR IN CONDUIT
		CABLE, TRAFFIC SIGNAL, 14/C-#12 600V. EPR IN CONDUIT
		CABLE, TRAFFIC SIGNAL, 19/C-#12 or #14, 600V, EPR IN CONDUIT
		CABLE, STREET LIGHT, 2 1/C-#6, 600V. RINS IN PARKWAY
		CABLE, STREET LIGHT, 2 1/C-#6, 600V. RINS IN CONDUIT
		CABLE, STREET LIGHT, 2 1/C-#6 EPRN 600V. & 1 1/C-#8 GREEN, TRIPLEXED, IN CONDUIT
		CABLE, STREET LIGHT, 3 1/C-#1/0, or #2/0, or #4, 600V. EPR IN CONDUIT
		WIRE, STREET LIGHT, 2 1/C-#6, HDNS. AERIAL
		WIRE, STREET LIGHT, 2 1/C-#6 & 1 1/C #8, HDNS. AERIAL
		CABLE, STREET LIGHT AERIAL, 3 1/C-#4 or #2 SELF SUPPORTING, 600V EPR
		WIRE, F.A. & P.C. AERIAL, 1/C-#10, NUMERAL DENOTES QUANTITY
		CABLE, F.A. & P.C. AERIAL, W/ MESSENGER #19-(NUMBER OF PAIRS AS INDICATED)
		CABLE, F.A. & P.C. AERIAL, SELF SUPPORTING, #19-(NUMBER OF PAIRS AS INDICATED)
		CABLE, F.A. & P.C., IN CONDUIT, #19-(NUMBER OF PAIRS AS INDICATED)
		DOWNLIGHT ASSEMBLY. (DWG. #850)
		LIGHT, TRAFFIC SAFETY ISLAND
		FLASHING BEACON & DOWNLIGHT

ORNAMENTAL LUMINAIRES		
PROPOSED	EXISTING	
		310W PENDANT (240V)
		400W PENDANT (240V)
		250W PENDANT (240V)
		150W ACORN (120V)
		150W ACORN (240V)
		50W ACORN (240V)
		100W ACORN (240V)
		150W GLOBE (240V)
		100W GLOBE (240V)
		50W GLOBE (240V)

C 04-01-02	REVISED/REDRAW	R. POOL/B.I.
B 12-4-01	ADDED ORNAMENTAL SYMBOLS	
A 8-6-96	REDRAWN	
DATE	REVISION	
<b>STANDARD CODE FOR TRAFFIC SIGNALS/ STREET LIGHTING</b>		
CITY OF CHICAGO		
DEPT. OF STREETS AND SANITATION BUREAU OF ELECTRICITY DIVISION OF ELECTRICAL ENGINEERING		
DRAFTSMAN: R. IVY	CHIEF DRAFTSMAN: R. CARTER	ENGINEER: R. POOL/R.C/W.T.
SUPERVISING ENGINEER:	ELEC. DESIGN ENGR.	DWG. NO.
ENGINEER OF ELECTRICITY:		826
GEN'L. S'Y. OF CONSTRUCTION:		
DEPUTY COMMISSIONER:		
SIZE: 22" X 36"	SCALE:	DATE:



D160W30-sht-Ts-Std-01.dgn	DESIGNED - BJH	REVISED -
USER NAME = bjholman	DRAWN - BJH	REVISED -
PLOT SCALE = 1:8000 / 1"	CHECKED - RPJ	REVISED -
PLOT DATE = 10/21/2014	DATE - 10/24/2014	REVISED -

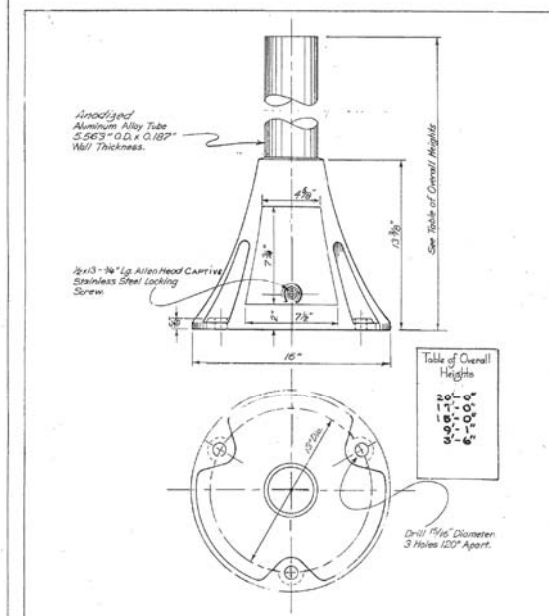
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CDOT STANDARD DRAWINGS**

SCALE: NONE SHEET 1 OF 8 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2013-012R	COOK	385	161
CONTRACT NO. 60W30			ILLINOIS FED. AID PROJECT	

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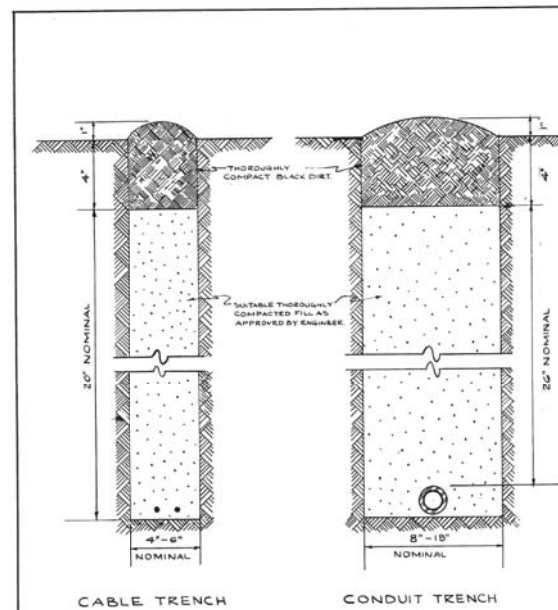


**ALUMINUM PEDESTAL BASE WITH HANDHOLE**  
for  
Street Lighting Controller, Traffic Signal  
Controller and Traffic Signal Head

REVISED	DESCRIPTION	DATE
A	CHANGED OVERALL HEIGHTS 3'-2 1/2"	5-9-60
B	REVISED TABLE OF OVERALL HEIGHTS	6-30-60
C	REVISED SPECIFICATION NUMBER	12-21-60
D	REVISED TABLE OF OVERALL HEIGHTS	1-29-63
E	REVISED DRAWING DIMENSIONS	6-4-64
F	REVISED OVERALL HEIGHTS	7-18-71
G	REVISED OVERALL HEIGHTS	10-16-78
H	REVISED OVERALL HEIGHTS	5-4-79

**CITY OF CHICAGO**  
DEPT. OF STREETS AND SANITATION  
DIVISION OF ELECTRICAL ENGINEERING

DRAWN BY: S. COLLEY  
CHECKED BY: J. BURKE  
DESIGNED BY: R. MIZUSAKI  
DATE: 6-13-60  
DWG. NO.: 526



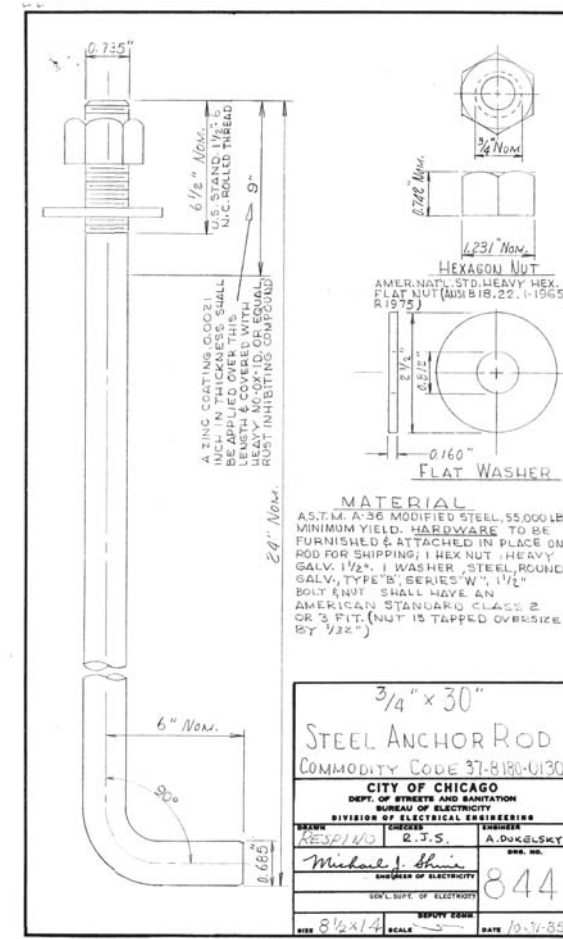
**NOTE**  
EXCESS SOIL FROM TRENCH TO BE COMPLETELY REMOVED FROM SITE AS SOON AS PRACTICABLE.  
BLACK DIRT TO BE TAMPED & THOROUGHLY COMPACTED AS SHOWN.

**STANDARD METHOD FOR BACKFILLING CABLE & CONDUIT TRENCHES IN DODGED PARKWAY & LAWNS**

REVISED	DESCRIPTION	DATE
A	DRAWN	6-13-60
B	CHECKED	6-13-60
C	ENGINEER	6-13-60
D	DESIGNED	6-13-60
E	SUPV. OF WORK	6-13-60
F	DATE	6-13-60

**CITY OF CHICAGO**  
DEPT. OF STREETS AND SANITATION  
DIVISION OF ELECTRICAL ENGINEERING

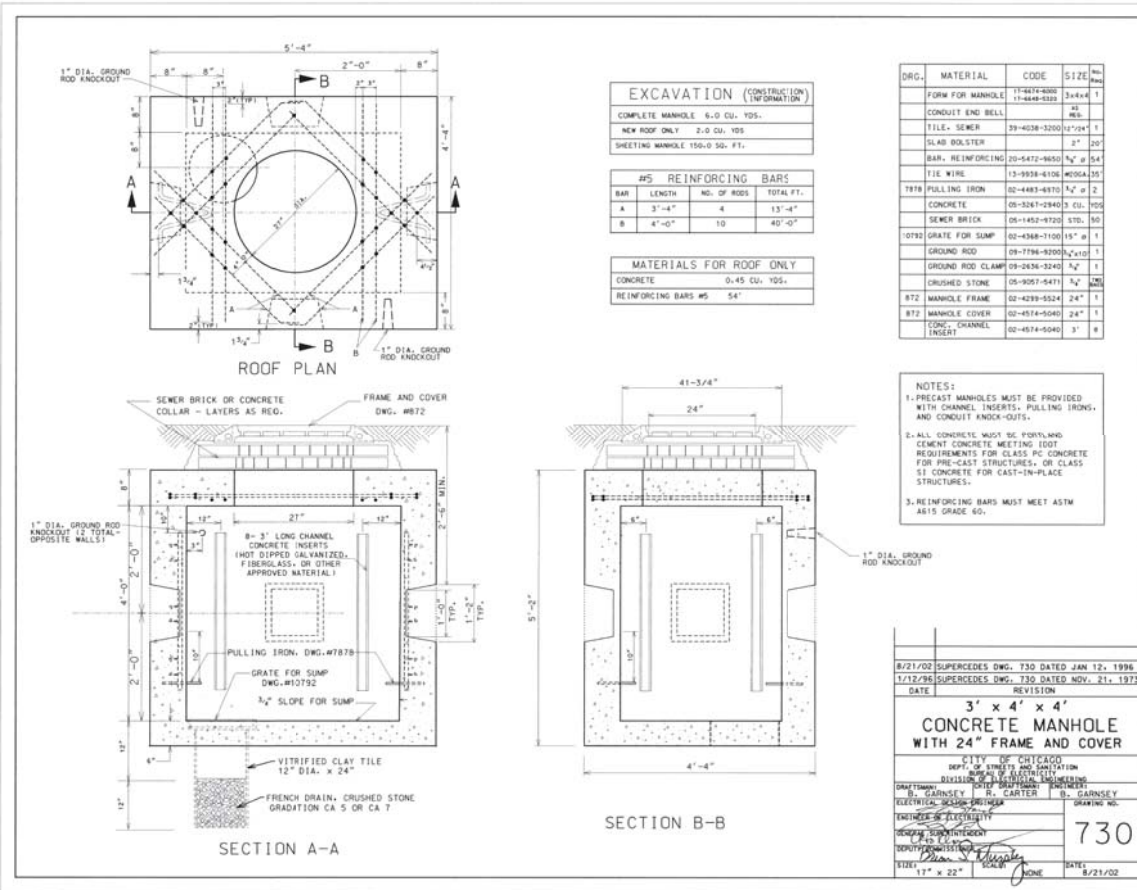
DATE: 7-14-61  
SCALE: 1/4"



**3/4" x 30"**  
**STEEL ANCHOR ROD**  
COMMODITY CODE 37-8180-0130

**CITY OF CHICAGO**  
DEPT. OF STREETS AND SANITATION  
BUREAU OF ELECTRICITY  
DIVISION OF ELECTRICAL ENGINEERING

DESIGNED BY: R. J. S.  
CHECKED BY: MICHAEL J. BLUM  
DATE: 10-31-85  
SCALE: 1/4"



**EXCAVATION (CONSTRUCTION)**  
COMPLETE MANHOLE 5.0 CU. YDS.  
NEW ROOF ONLY 2.0 CU. YDS.  
SHEETING MANHOLE 150.0 SQ. FT.

BAR	LENGTH	NO. OF RODS	TOTAL FT.
A	3'-4"	4	13'-4"
B	4'-0"	10	40'-0"

**MATERIALS FOR ROOF ONLY**  
CONCRETE 0.45 CU. YDS.  
REINFORCING BARS #5 54'

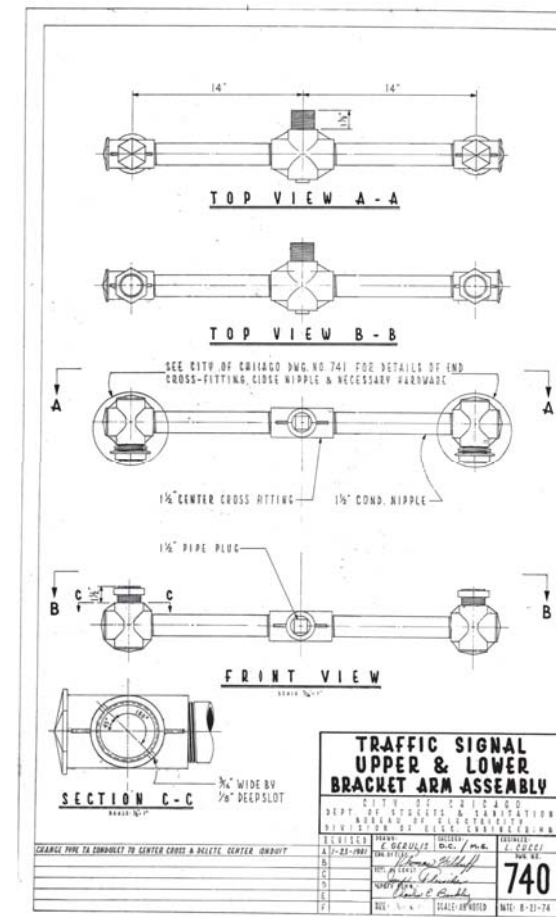
DRG.	MATERIAL	CODE	SIZE	QTY
	FORM FOR MANHOLE	11-0017-0000	3'-4" x 4"	1
	CONDUIT END BELL	11-0000-0000	#4	1
	TILE - SEWER	29-4038-3300	12" x 12" x 1'	1
	SLAB BOLSTER		2"	20'
	BAR, REINFORCING	20-5472-9000	#4 @ 54"	
	TIE WIRE	13-9938-4106	MOSGAL 35	
	TIE IRON	02-4483-8370	1/2" @ 2'	
	CONCRETE	08-3247-2940	3 CU. YDS.	
	SEWER BRICK	08-1452-9720	STD. 50	
	GRATE FOR SUMP	02-4388-7100	15" x 1'	
	GROUND ROD	08-7788-8000	2" x 10'	
	GROUND ROD CLAMP	09-2026-3240	1/2" x 1'	
	CRUSHED STONE	08-9091-5471	1/2" @ 2'	
	872 MANHOLE FRAME	02-4299-5524	24" x 1'	
	872 MANHOLE COVER	02-4574-5040	24" x 1'	
	CONC. CHANNEL INSERT	02-4574-5040	3' x 1'	

**NOTES:**  
1. PRECAST MANHOLES MUST BE PROVIDED WITH CHANNEL INSERTS, PULLING IRONS, AND CONDUIT KNOCK-OUTS.  
2. ALL CONCRETE MUST BE PORTLAND CEMENT CONCRETE MEETING DOT REQUIREMENTS FOR CLASS PC CONCRETE FOR PRE-CAST STRUCTURES, OR CLASS ST CONCRETE FOR CAST-IN-PLACE STRUCTURES.  
3. REINFORCING BARS MUST MEET ASTM A615 GRADE 60.

**3' x 4' x 4' CONCRETE MANHOLE WITH 24" FRAME AND COVER**

**CITY OF CHICAGO**  
DEPT. OF STREETS AND SANITATION  
DIVISION OF ELECTRICAL ENGINEERING

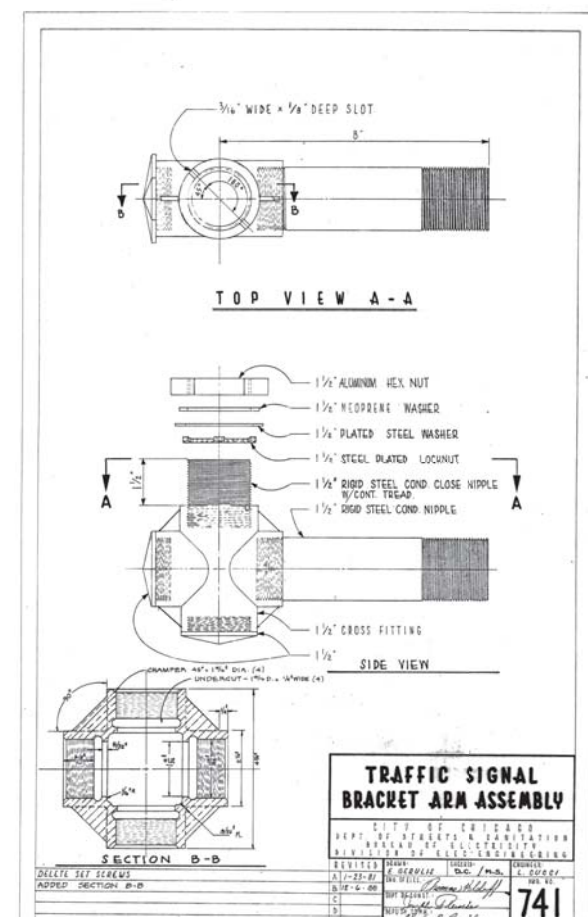
DESIGNED BY: B. CARTER  
CHECKED BY: B. GARNSEY  
DATE: 8/21/02  
DWG. NO.: 730



**TRAFFIC SIGNAL UPPER & LOWER BRACKET ARM ASSEMBLY**

**CITY OF CHICAGO**  
DEPT. OF STREETS AND SANITATION  
DIVISION OF ELECTRICAL ENGINEERING

DESIGNED BY: R. J. S.  
CHECKED BY: MICHAEL J. BLUM  
DATE: 10-31-85  
SCALE: 1/4"



**TRAFFIC SIGNAL BRACKET ARM ASSEMBLY**

**CITY OF CHICAGO**  
DEPT. OF STREETS AND SANITATION  
DIVISION OF ELECTRICAL ENGINEERING

DESIGNED BY: R. J. S.  
CHECKED BY: MICHAEL J. BLUM  
DATE: 10-31-85  
SCALE: 1/4"



DI60W30-sht-Ts-Std-02.dgn	DESIGNED - BJH	REVISED -
USER NAME = bjholm	DRAWN - BJH	REVISED -
PLOT SCALE = 1,0000' / 1"	CHECKED - RPJ	REVISED -
PLOT DATE = 10/21/2014	DATE - 10/24/2014	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**CDOT STANDARD DRAWINGS**

SCALE: NONE SHEET 2 OF 8 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2013-012R	COOK	385	162
CONTRACT NO. 60W30			ILLINOIS FED. AID PROJECT	



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**HEXAGON NUT**  
AREA NUTS, 1/2" HEAVY HEX. 1/2" DIA. (A325 & 1/2" S. 1 - 1975)

**FLAT WASHER**  
AREA NUTS, 1/2" DIA. 1/2" THICK (A325 & 1/2" S. 1 - 1975)

**LOCK WASHER**  
AREA NUTS, 1/2" DIA. 1/2" THICK (A325 & 1/2" S. 1 - 1975)

**MATERIAL:**  
ASTM A 307 UNFINISHED STEEL, 55 000 LB. MINIMUM FIELD.  
HARDWARE TO BE GALVANIZED OR ATTACHED IN PLACE OR HOT DIP GALVANIZED.  
2 DIA. NUTS, HEAVY, 1/2" DIA. 1/2" THICK.  
1 WASHER, STEEL, 1/2" DIA. 1/2" THICK. SERIES "M". (1/2" DIA. NUTS, LOCK, STEEL, GALV., HEAVY SPRING, REGULAR, 1/2" DIA. NUTS SHALL HAVE AN AMERICAN STANDARD CLASS 2.0 S. 1 (1/2" DIA. TAPPED HOLES) AS SHOWN.

**1 1/2" x 60" STEEL ANCHOR ROD**  
COMMODITY CODE 37-818-0240

REVISION	DATE	BY	DESCRIPTION
1			ISSUED FOR CONSTRUCTION
2			REVISED PER COMMENTS
3			REVISED PER COMMENTS
4			REVISED PER COMMENTS
5			REVISED PER COMMENTS
6			REVISED PER COMMENTS
7			REVISED PER COMMENTS
8			REVISED PER COMMENTS
9			REVISED PER COMMENTS
10			REVISED PER COMMENTS

806

**EXCAVATION (CONSTRUCTION)**  
COMPLETE MANHOLE 5.0 CU. YDS.  
NEW ROOF ONLY 2.0 CU. YDS.  
SHEETING MANHOLE 100.0 SQ. FT.

**#5 REINFORCING BARS**

BAR	LENGTH	NO. OF BARS	TOTAL FT.
A	2'-9"	8	22'-0"
B	4'-0"	4	16'-0"

**MATERIALS FOR ROOF ONLY**  
CONCRETE 0.5 CU. YDS.  
REINFORCING BARS #5 38'

**NOTES:**  
1. PRECAST MANHOLES MUST BE PROVIDED WITH CHANNEL INSERTS, PULLING IRONS, AND CONDUIT KNOCK-OUTS.  
2. ALL CONCRETE MUST BE PORTLAND CEMENT CONCRETE MEETING 100% REQUIREMENTS FOR CLASS FC CONCRETE FOR PRE-CAST STRUCTURES, OR CLASS S1 CONCRETE FOR CAST-IN-PLACE STRUCTURES.  
3. REINFORCING BARS MUST MEET ASTM A615 GRADE 60.

**3' x 4' x 4' CONCRETE MANHOLE WITH 30" FRAME AND COVER**

CITY OF CHICAGO  
DEPT. OF STREETS AND SANITATION  
BUREAU OF ELECTRICAL ENGINEERING  
DIVISION OF ELECTRICAL ENGINEERING  
DESIGNED BY: J. H. CARTER  
CHECKED BY: B. GARNETT  
IN CHARGE OF DIVISION: B. GARNETT  
DATE: 8/21/02

729

**COMPLETE COMMODITY CODE NO. 05-6610-5310M**

CODE NO.	MATERIALS	SIZE	QUAN.
01	05-6610-5312	PRE-CAST HANDHOLE 36" x 36"	1
02	05-6610-5312	PRE-CAST ROOF & FLOOR	2
03	05-9075-5470	STONE 1/2" CRUSHED	5
04	05-1452-9720	BRICK	24
05	02-4299-5524	FRAME, MANHOLE 30"	1
06	02-4574-5624	COVER, MANHOLE 30"	1
07	09-7796-9312	GROUND ROD 1/2" x 12'	1
08	09-2636-3240	GROUND CLAMP	1
09	31-05-5082-5330	SONG TUBE 36"	1
10	31-05-5082-5342	SONG TUBE 48"	1
11	31-05-3267-2940	CONC. REIN-FIX CU. YD.	1
12	33-20-5472-9630	REINFORCING BAR #5 1 1/2' x 40'	1
13	33-20-5472-9630	REINFORCING BAR #5 1 1/2' x 16'	1
14	33-20-5472-9640	REINFORCING BAR #4 1 1/2' x 8'	1
15	33-57-0770-0020	MESH 16" x 6" x 1'	1

**CONSTRUCTION NOTES:**  
1 - 8" BED OF STONE FOR DRAINAGE.  
2 - ALL METALLIC CONDUIT(S) ENTERING HANDHOLE SHALL EXTEND MIN. 1' & MAX. OF 3" INSIDE INNER WALL & BE EQUIPPED WITH AN APPROVED TYPE THREADED GROUNDING BUSHING.

**DETAIL-ROOF & FLOOR OF HANDHOLE**

CITY OF CHICAGO  
DEPT. OF STREETS AND SANITATION  
BUREAU OF ELECTRICAL ENGINEERING  
DIVISION OF ELECTRICAL ENGINEERING  
DESIGNED BY: J. H. CARTER  
CHECKED BY: B. GARNETT  
IN CHARGE OF DIVISION: B. GARNETT  
DATE: 8/21/02

871

**CONDUIT INSTALLATION UNDER PAVED STREET**

**INSTALLATION METHOD OF INSTALLING CONDUIT UNDER PAVED ROADWAY**

CITY OF CHICAGO  
DEPT. OF STREETS AND SANITATION  
BUREAU OF ELECTRICAL ENGINEERING  
DIVISION OF ELECTRICAL ENGINEERING  
DESIGNED BY: J. H. CARTER  
CHECKED BY: B. GARNETT  
IN CHARGE OF DIVISION: B. GARNETT  
DATE: 8/21/02

813

**CONDUIT INSTALLATION THROUGH EXISTING MANHOLE OR HANDHOLE WALL**

**INSTALLATION METHOD OF INSTALLING CONDUIT THRU MANHOLE WALL**

CITY OF CHICAGO  
DEPT. OF STREETS AND SANITATION  
BUREAU OF ELECTRICAL ENGINEERING  
DIVISION OF ELECTRICAL ENGINEERING  
DESIGNED BY: J. H. CARTER  
CHECKED BY: B. GARNETT  
IN CHARGE OF DIVISION: B. GARNETT  
DATE: 8/21/02

814



DI60W30-sht-Ts-Std-03.dgn	DESIGNED -	BJH	REVISED -	
USER NAME = bjohnson	DRAWN -	BJH	REVISED -	
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PLOT DATE = 10/21/2014	DATE -	10/24/2014	REVISED -	

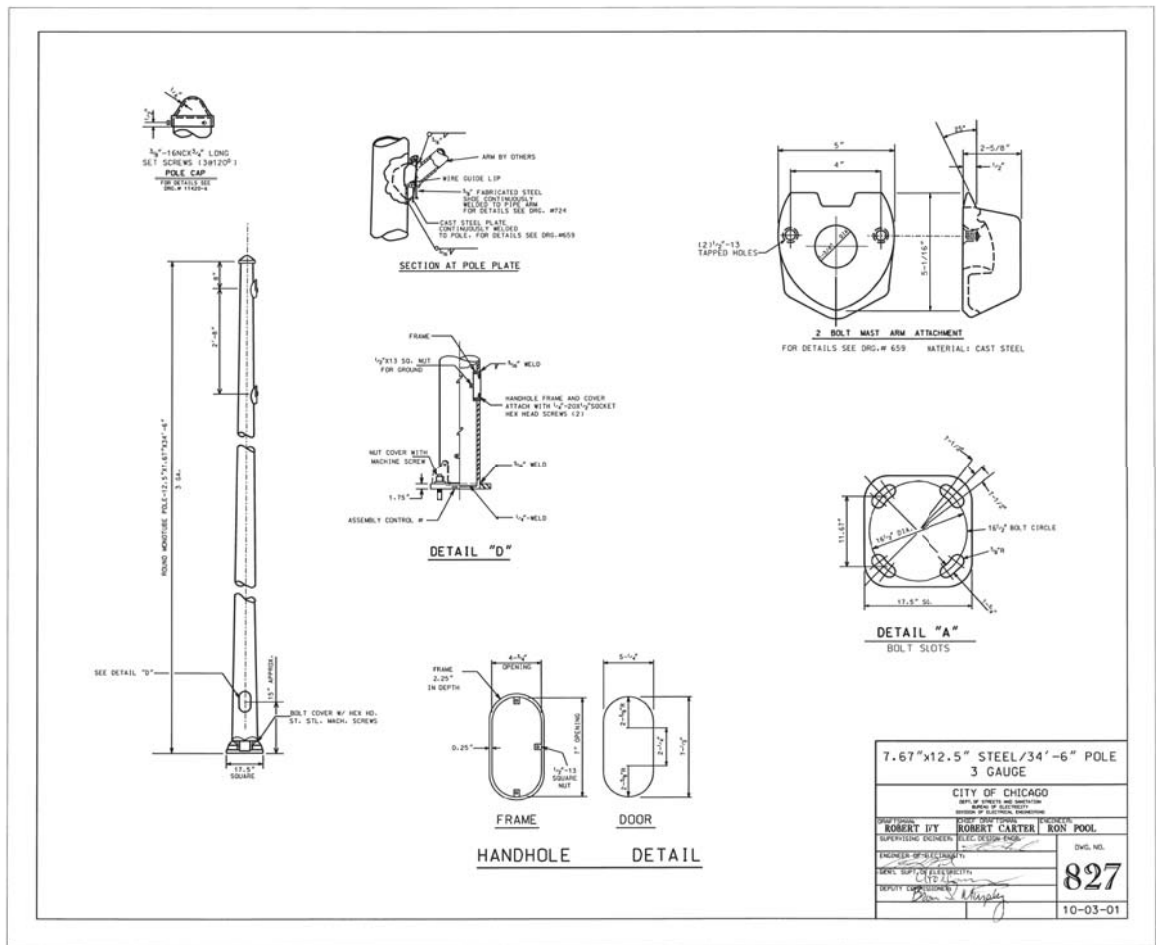
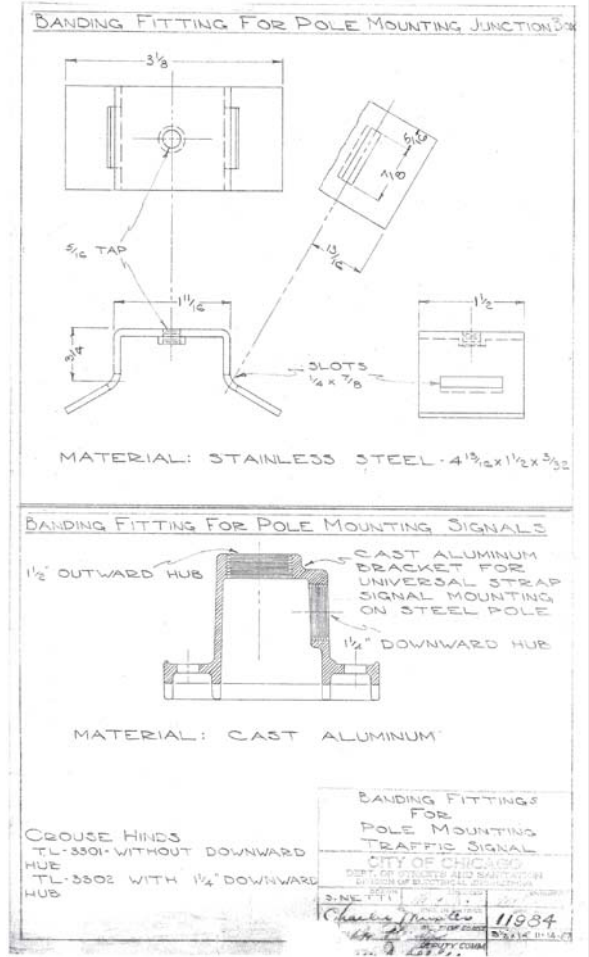
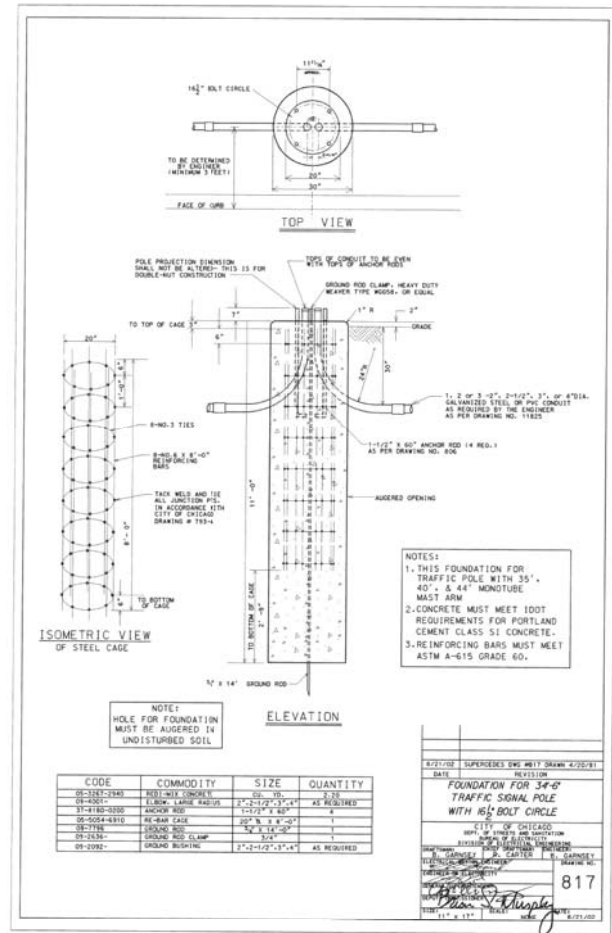
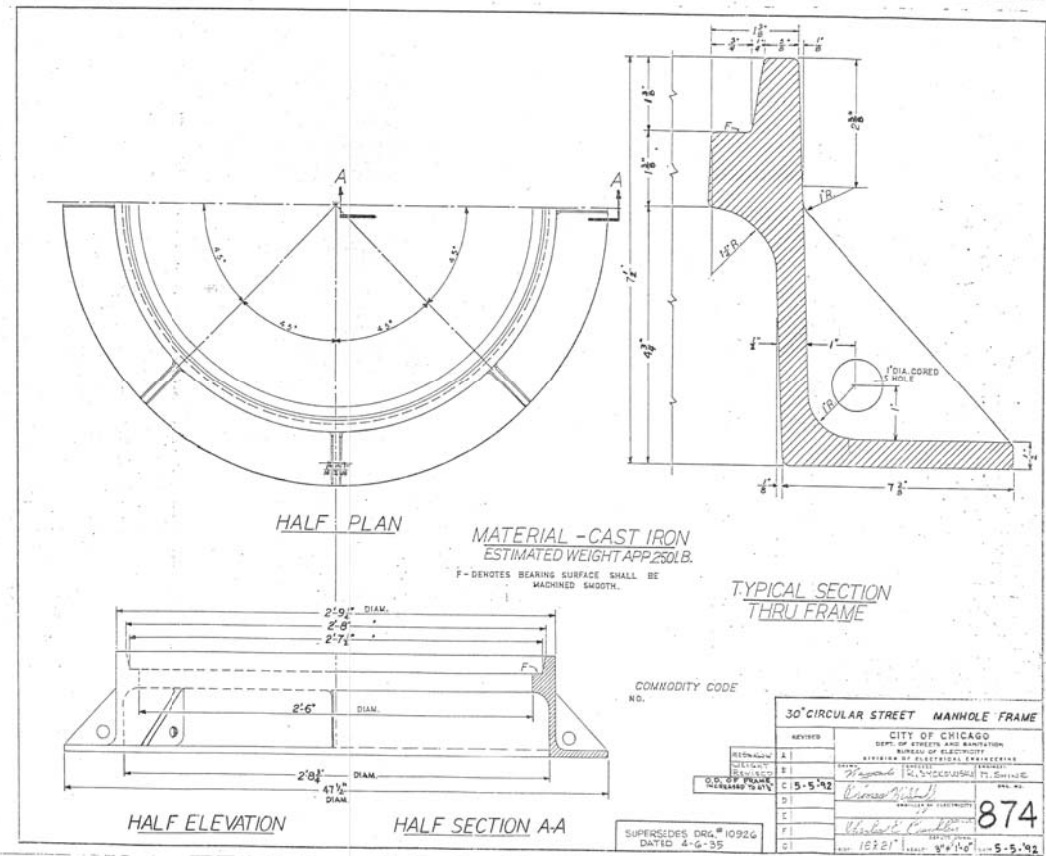
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CDOT STANDARD DRAWINGS

SCALE: NONE SHEET 3 OF 8 SHEETS STA. TO STA.

F.A.I. R.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2013-012R	COOK	385	163
				CONTRACT NO. 60W30
ILLINOIS FED. AID PROJECT				

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DI60W30-sht-Ts-Std-04.dgn  
 USER NAME = bjholman  
 PLOT SCALE = 1:0000 / 1" = 100'  
 PLOT DATE = 10/21/2014

DESIGNED - BJH  
 DRAWN - BJH  
 CHECKED - RPJ  
 DATE - 10/24/2014

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

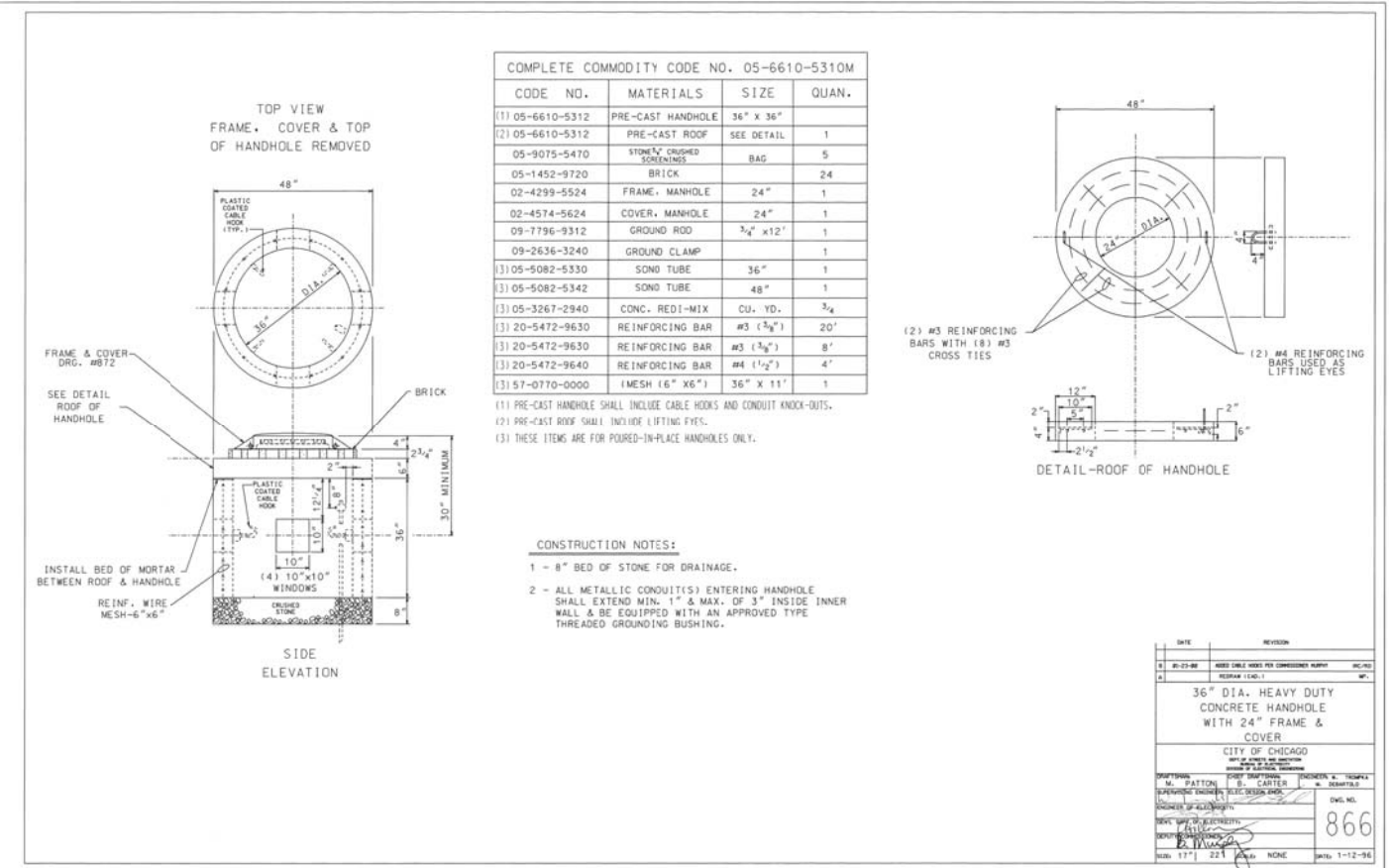
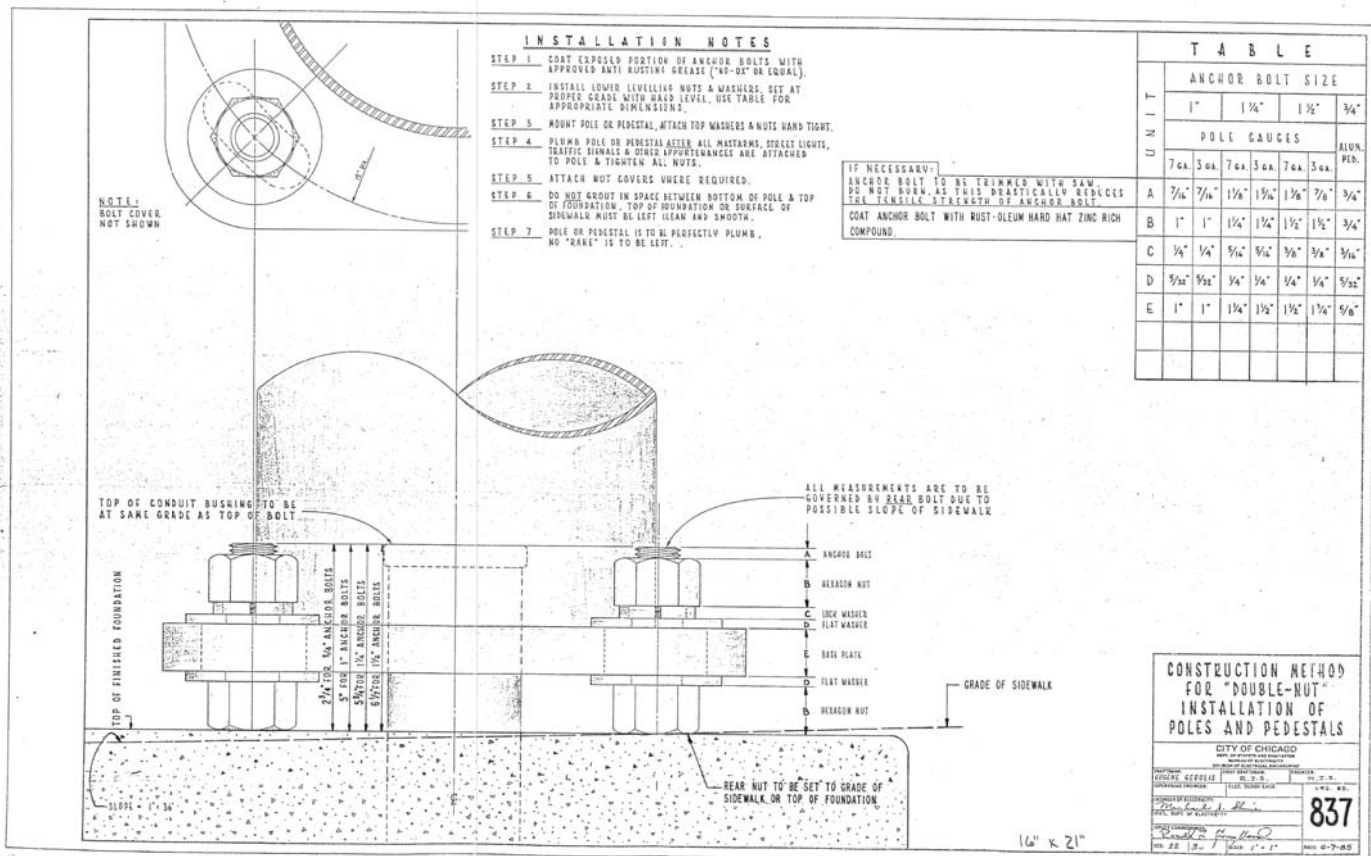
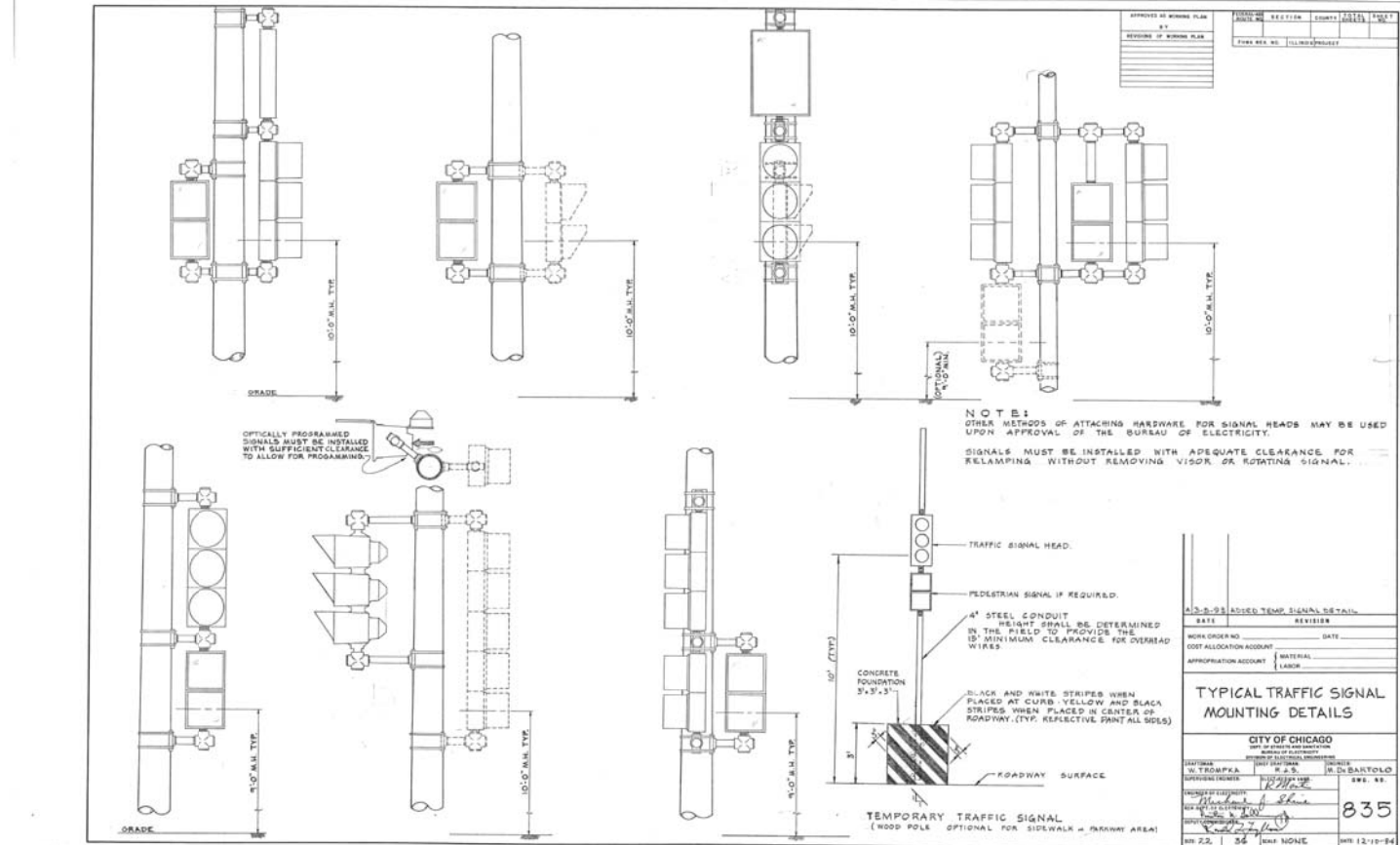
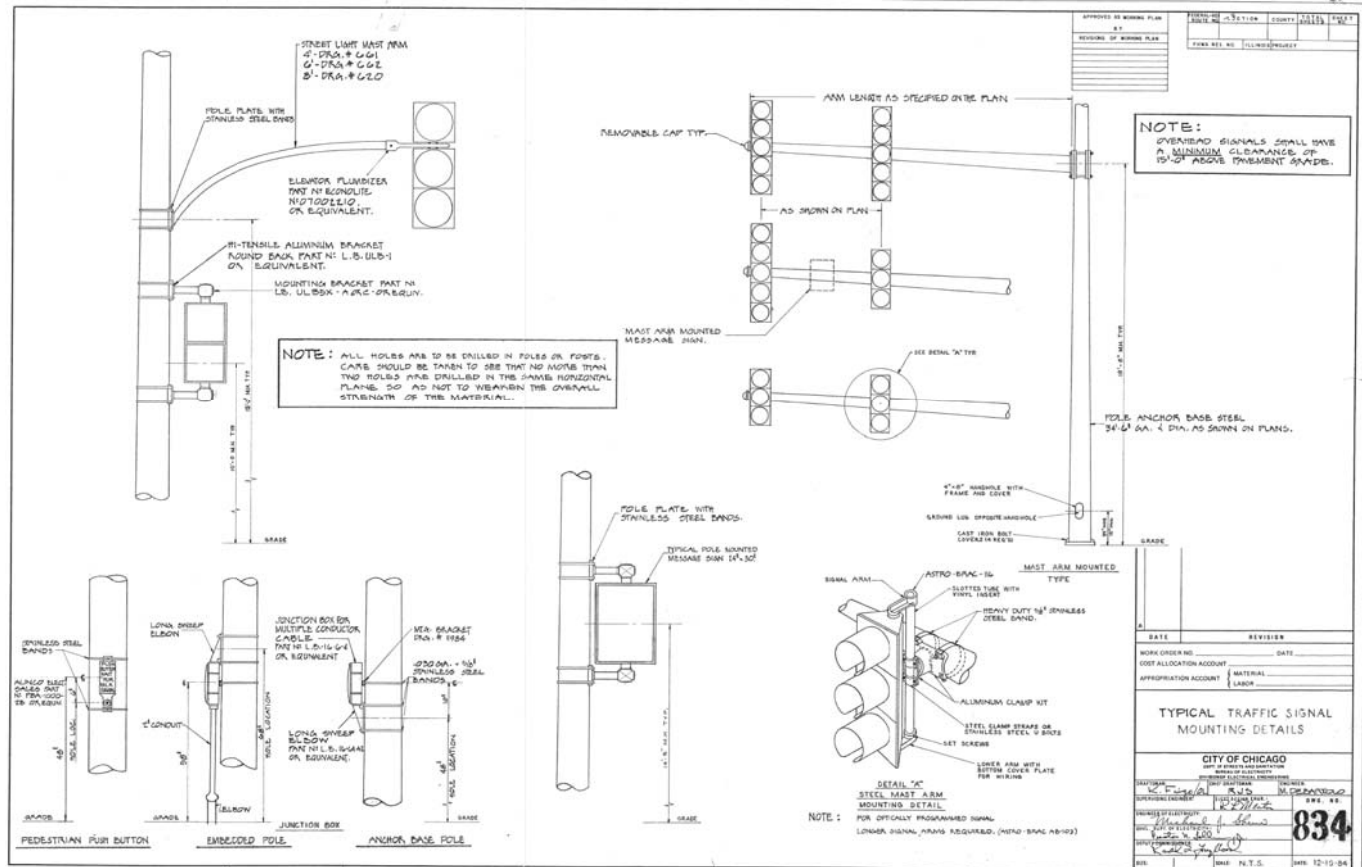
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

CDOT STANDARD DRAWINGS

SCALE: NONE SHEET 4 OF 8 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2013-012R	COOK	385	164
				CONTRACT NO. 60W30
ILLINOIS FED. AID PROJECT				

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DI60W30-sht-Ts-Std-05.dgn	DESIGNED - BJH	REVISED -
USER NAME = bholman	DRAWN - BJH	REVISED -
PLOT SCALE = 1:8000 / 1"	CHECKED - RPJ	REVISED -
PLOT DATE = 10/21/2014	DATE - 10/24/2014	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CDOT STANDARD DRAWINGS

SCALE: NONE SHEET 5 OF 8 SHEETS STA. TO STA.

F.A.I. RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2013-012R	COOK	385	165
CONTRACT NO. 60W30			ILLINOIS FED. AID PROJECT	

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**COMPLETE COMMODITY CODE NO. 05-6610-5310M**

CODE NO.	MATERIALS	SIZE	QUAN.
(1) 05-6610-5310	PRE-CAST HANDHOLE	30"X36"	1
(2) 05-9075-5470	STONE 3/4" CRUSHED	BAG	5
(2) 05-5082-5330	SOND TUBE	30"	1
(2) 05-5082-5342	SOND TUBE	42"	1
(2) 05-3267-2940	CONC. REDI-MIX	CU. YD.	1/2
(2) 57-0770-0000	6" X 6" MESH	36"X10'	1
05-1452-9720	BRICK		24
02-4299-5524	FRAME MANHOLE	24"	1
02-4574-5040	COVER, MANHOLE	24"	1
09-7796-9312	GROUND ROD	3/4"X12'	1
09-2630-3240	GROUND CLAMP		1

(1) PRE-CAST HANDHOLE SHALL INCLUDE CABLE HOOKS AND CONDUIT KNOCKOUTS.  
(2) THESE ITEMS ARE FOR Poured-IN-PLACE HANDHOLES ONLY.

**CONSTRUCTION NOTES:**

- 8" BED OF STONE FOR DRAINAGE.
- ALL METALLIC CONDUITS ENTERING HANDHOLE SHALL EXTEND MINIMUM 1" & MAXIMUM 3" INSIDE INNER WALL AND BE EQUIPPED WITH AN APPROVED TYPE OF THREADED GROUNDING BUSHING.

**30" DIA. CONCRETE HANDHOLE**  
CITY OF CHICAGO  
SUPERSEDES DWG # 10797 DATED 2-10-95  
87

ARM DATA

CLAMP RANGE (INCHES)	POLE END (INCHES)	SIGNAL END (INCHES)	LENGTH (FEET)	GAWB	WEIGHT (POUNDS)	TEST LOAD (POUNDS)	MAX. DEFLECTION (INCHES)
7.45-7.95	7.0	4.76	16	7	241	1700	6.5
7.45-7.95	7.0	4.20	20	7	274	1300	12.0
7.45-7.95	7.0	3.76	26	7	315	1000	24.0
8.45-8.95	8.0	3.80	30	7	409	1100	29.0
9.95-10.45	9.0	4.10	35	7	539	1200	36.0
9.95-10.45	9.0	3.40	40	7	559	1000	52.0
9.95-10.45	10.0	3.84	44	7		1200	57.0

**SIGNAL ARM ATTACHMENT DATA**

CLAMP RANGE	"A"	"B"	"C"	"D"	"E"
7.45" - 7.95"	7.25"	9.92"	10.80"	10.32"	1.00" X 7.50"
8.45" - 8.95"	9.00"	10.66"	13.06"	12.50"	1.00" X 8.00"
9.95" - 10.45"	10.25"	12.66"	15.30"	13.50"	1.25" X 8.50"

STEEL TRAFFIC SIGNAL MAST ARM-MONOTUBE  
CITY OF CHICAGO  
SUPERSEDES DWG # 870  
870

**24" Dia. Circular Manhole**  
FRAME & COVER WITH 4 1/8" O.D. FRAME  
CITY OF CHICAGO  
SUPERSEDES DWG # 10797 DATED 2-10-95  
872

**TYPE "P" FOUNDATION**  
FOR BASE MOUNTED  
TRAFFIC SIGNAL CONTROL CABINET  
CITY OF CHICAGO  
SUPERSEDES DWG # 888 DATED 3-23-95  
888

FILE PATH = p:\389035-pm\1\escom\line\local\p\w\ec\dw\0\Documents\01\_Americas\Transportation\62626938\_Circle\Phase\_1\1000\_CAD\005\_Roadway\Sheets\60W30\_sht-Ts-Std-07.dgn

**30" CIRCULAR STREET MANHOLE COVER**

REVISIONS:

REVISED	BY	DATE	DESCRIPTION
A	12-2-00		WEIGHT REVISED
B	09-17-05		WEIGHT REVISED
C	09-29-05		IDENTIFICATION LETTERS ON COVER CHANGED

CITY OF CHICAGO  
DEPT. OF STREETS AND SANITATION  
DIVISION OF ELECTRICAL ENGINEERING

10927

COMMODITY CODE: 02-4574-5680

**JUNCTION BOX FOR TRAFFIC SIGNAL & FIRE ALARM**

MATERIALS:

BODY, DOOR, ELBOW & PLATE: CAST ALUMINUM ALLOY. TERMINAL MTG. BRACKET: ALUMINUM ALLOY. SCREWS, HINGE PINS, BANDING BRACKET: STAINLESS STEEL. CORK GASKET 1/8" THICK, TO BE FURNISHED BETWEEN FLAT PLATE AND BODY. SPONGE NEOPRENE GASKET 1 1/2" x 7 1/4" x 1/8", TO BE FURNISHED BETWEEN DOOR AND BODY.

12268-A

**ELBOW CONDUIT, RIGID GALVANIZED STEEL, LARGE RADIUS**

NOTE: TWO THREAD PROTECTORS TO BE FURNISHED ON EACH ELBOW. PROTECTOR TO COVER A MINIMUM OF TEN THREADS.

REAR BOTH ENDS TO REMOVE BURRS

TABLE OF DIMENSIONS:

CONDUIT SIZE	A	B	C	COMMODITY CODE
1 1/2"	24"	35"	11"	09-4001-0510
2"	24"	35"	11"	09-4001-0520
2 1/2"	24"	35"	11"	09-4001-4126
3"	24"	35"	11"	09-4001-4128
3 1/2"	24"	35"	11"	09-4001-4230
4"	24"	35"	11"	09-4001-0003

**FOUNDATION FOR 30" ARTERIAL STREET LIGHT OR TRAFFIC SIGNAL POLE - 3 OR 7 GAUGE WITH 10" BOLT CIRCLE**

NOTES:

- 1.7 FOOT FOUNDATION FOR ARTERIAL STREET LIGHT POLE. UNLESS NOTED OTHERWISE, 8 FOOT FOUNDATION FOR TRAFFIC POLE WITH 16", 20", OR 24" HORIZONTAL MAST ARM.
- CONCRETE MUST MEET 100% REQUIREMENTS FOR PORTLAND CEMENT CLASS 51 CONCRETE.
- REINFORCING BARS MUST MEET ASTM A-615 GRADE 60.

818

**TRAFFIC CONTROL SIGNALS STRIP WIRING LAYOUT**

NOTES:

- SOLID BLUE - GREEN LIGHT
- SOLID BLACK - AMBER
- PULSE BLUE TR. RED

12268-A



D160W30-sht-Ts-Std-07.dgn  
USER NAME = bjholman  
PLOT SCALE = 1:8000 / 1"  
PLOT DATE = 10/21/2014

DESIGNED - BJH  
DRAWN - BJH  
CHECKED - RPJ  
DATE - 10/24/2014

REVISED -  
REVISED -  
REVISED -  
REVISED -

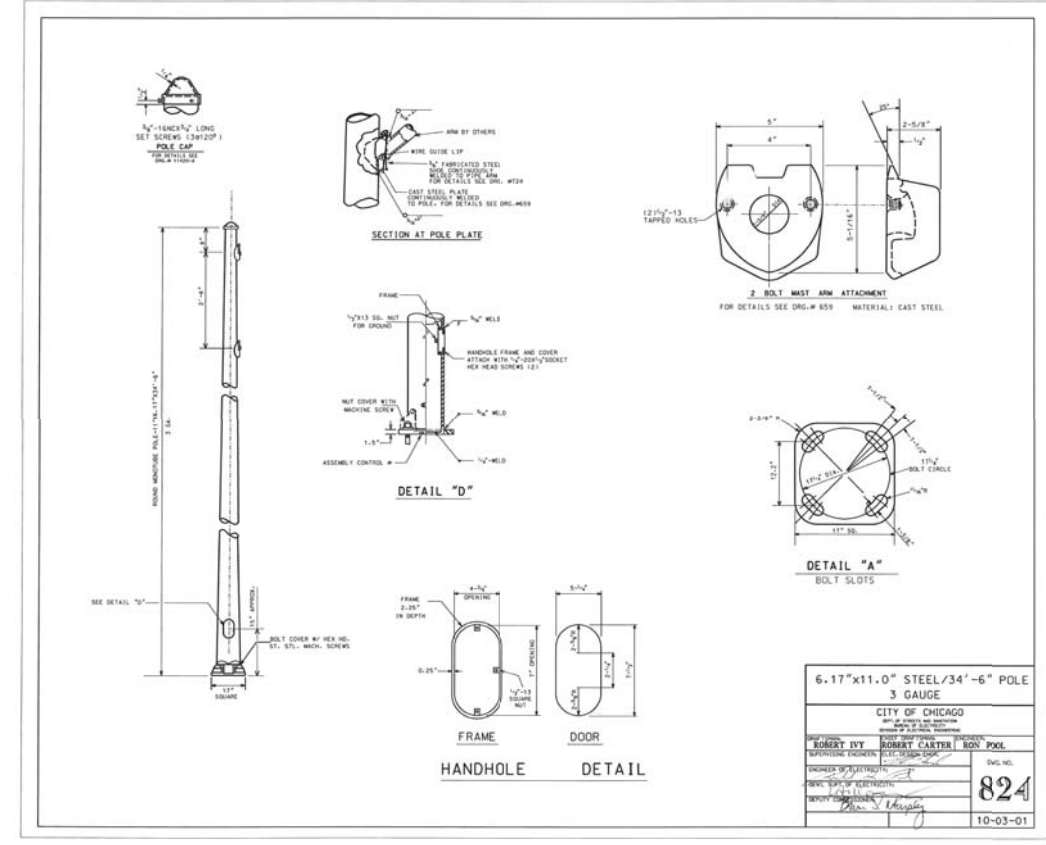
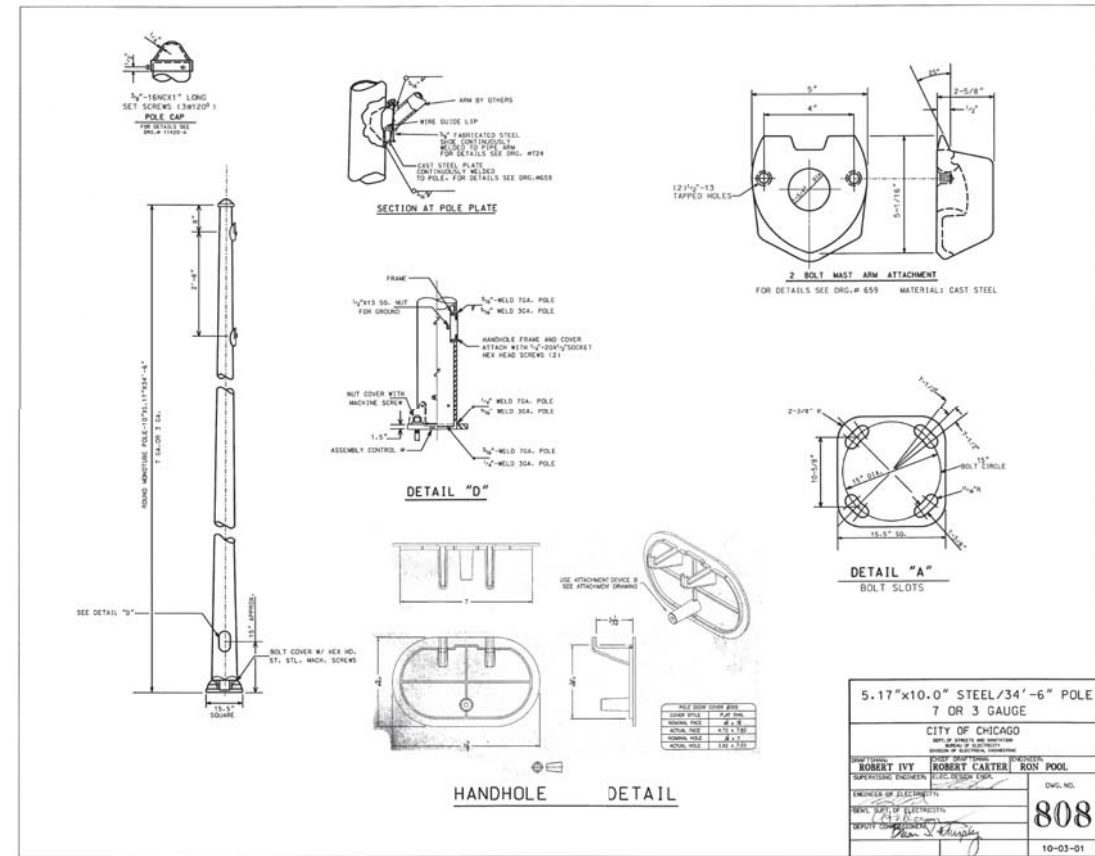
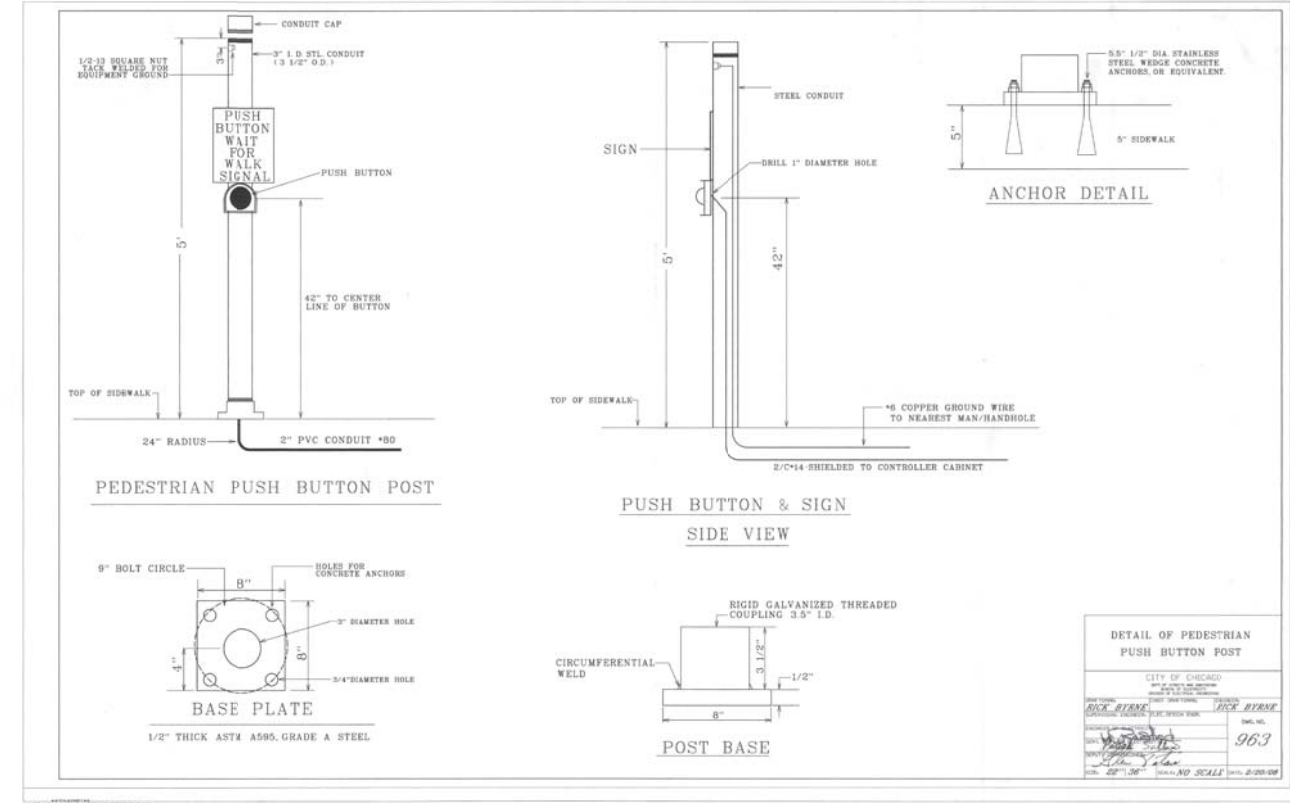
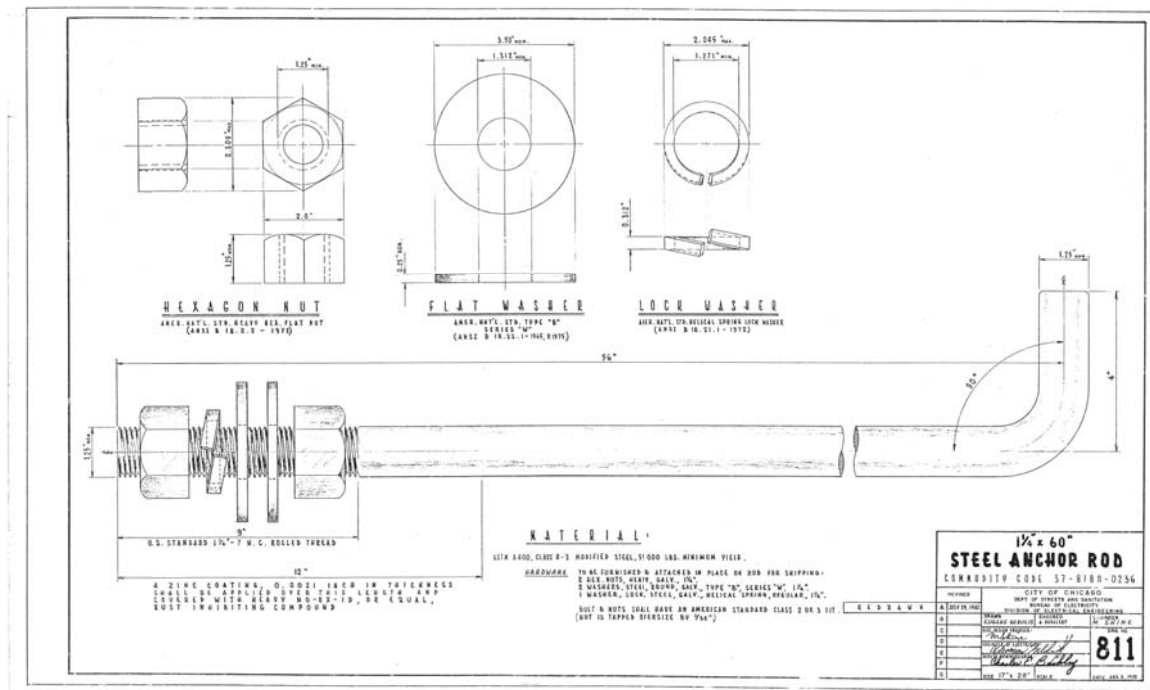
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CDOT STANDARD DRAWINGS

SCALE: NONE SHEET 7 OF 8 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2013-012R	COOK	385	167
CONTRACT NO. 60W30				
ILLINOIS FED. AID PROJECT				

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DI60W30-sht-Ts-Std-08.dgn	DESIGNED - BJH	REVISED -
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PLOT SCALE = 1:8000 / 1/8"	CHECKED - RPJ	REVISED -
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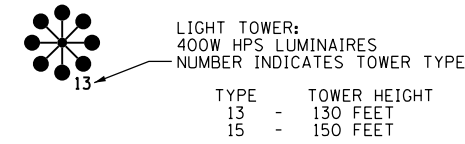
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CDOT STANDARD DRAWINGS

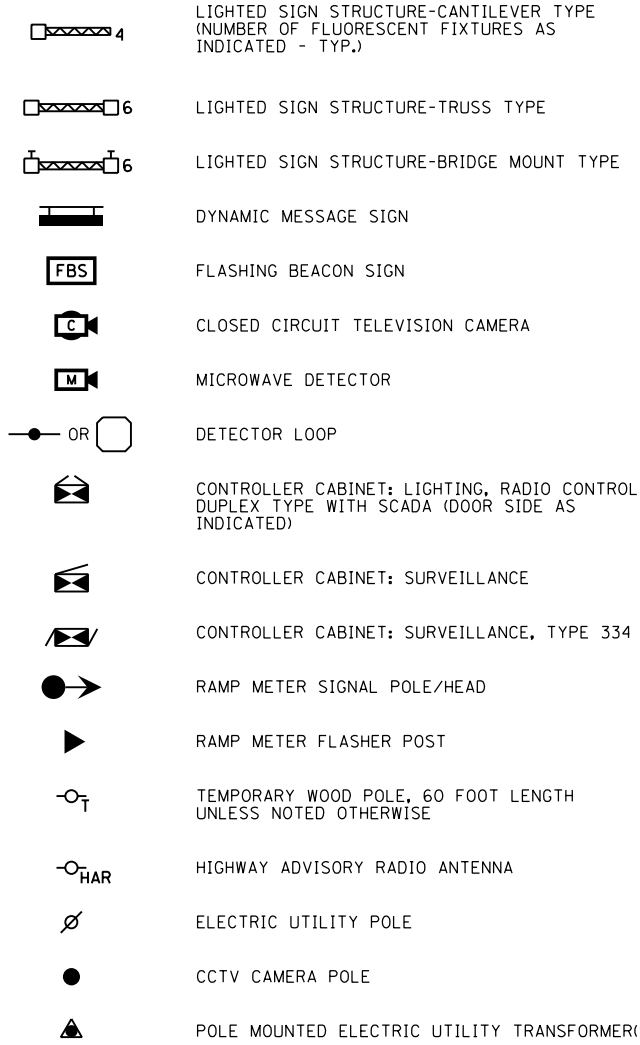
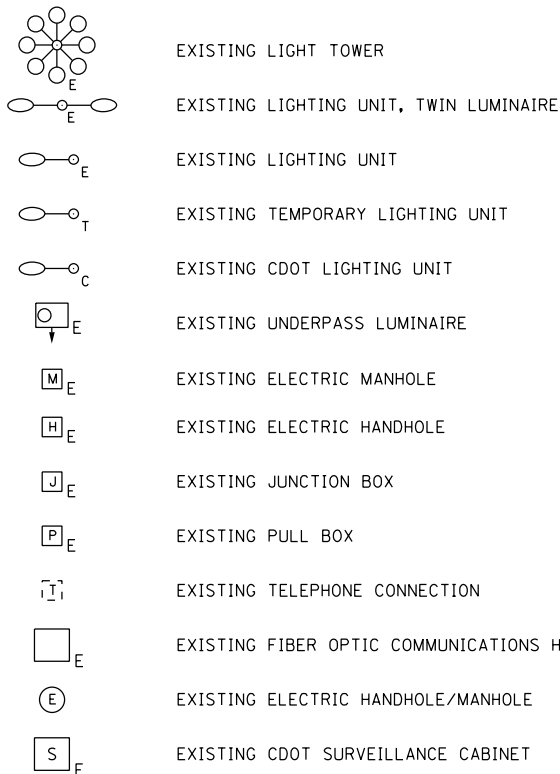
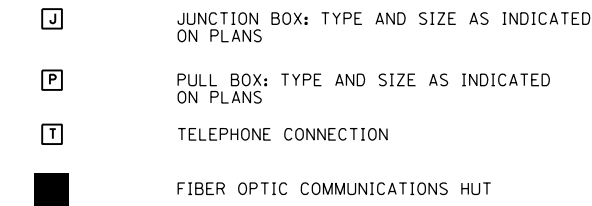
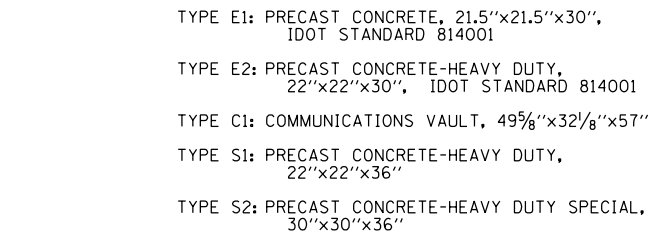
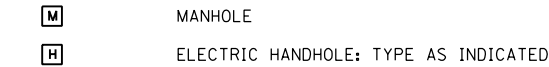
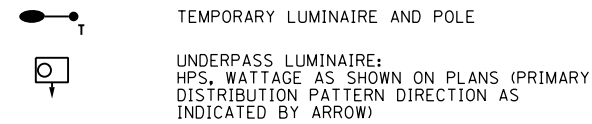
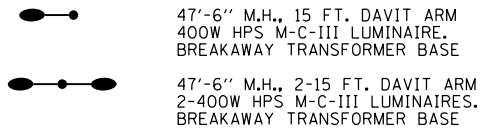
SCALE: NONE SHEET 8 OF 8 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 60W30			ILLINOIS FED. AID PROJECT	

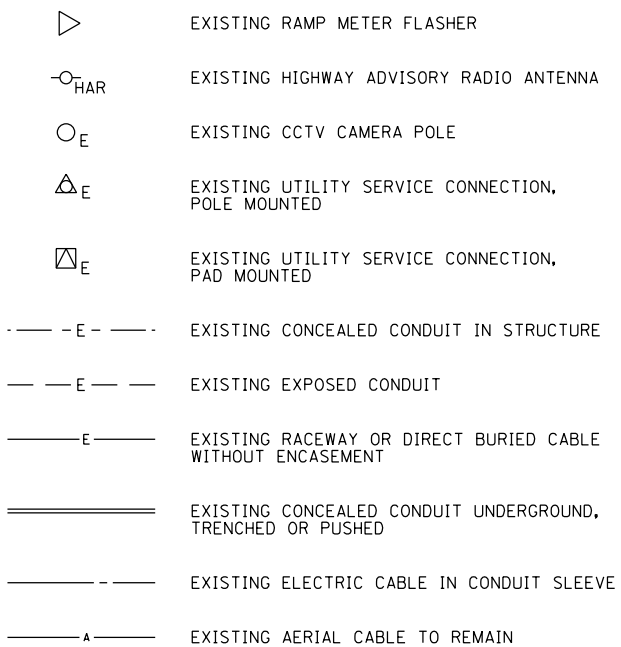
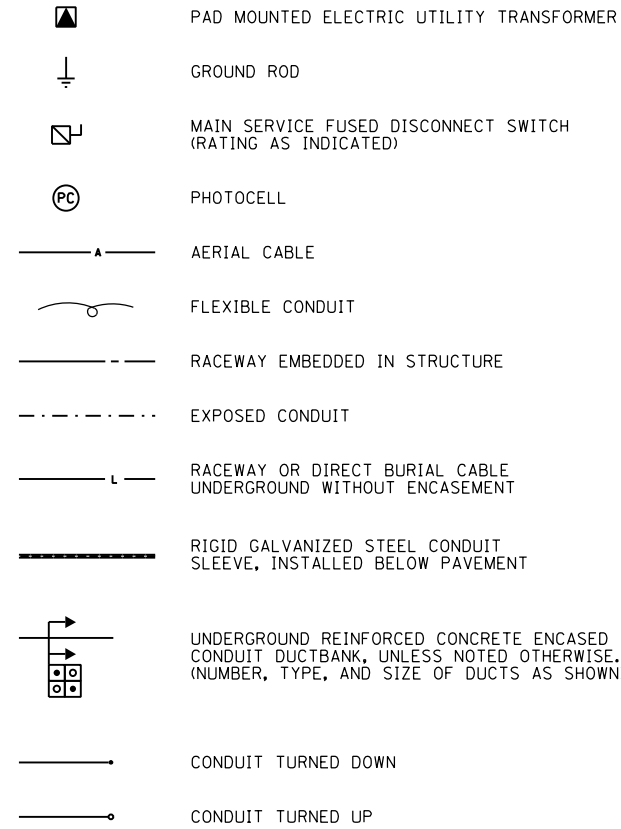
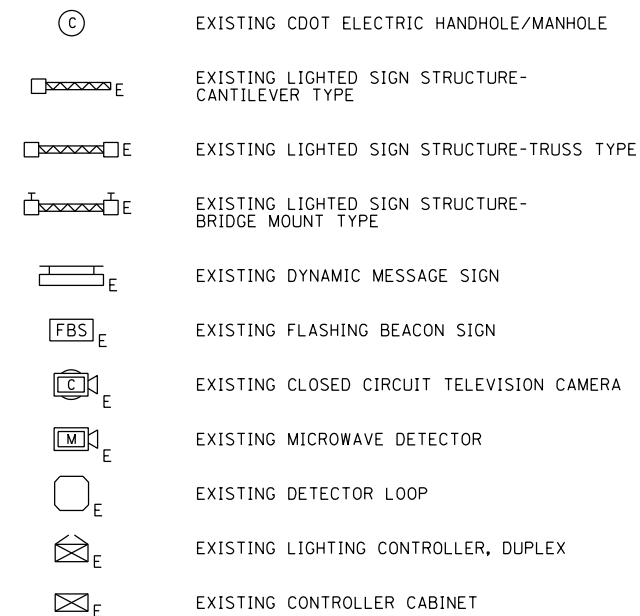
## ELECTRICAL SYMBOLS FOR PROPOSED WORK



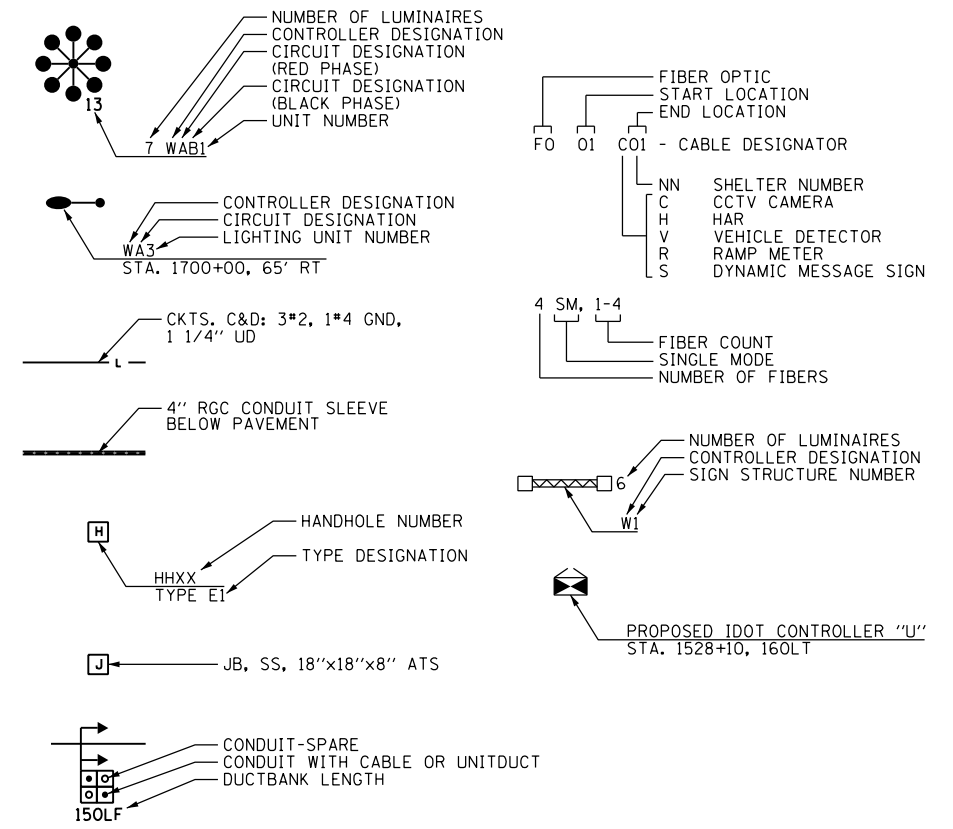
LIGHTING UNIT: TYPE AS INDICATED



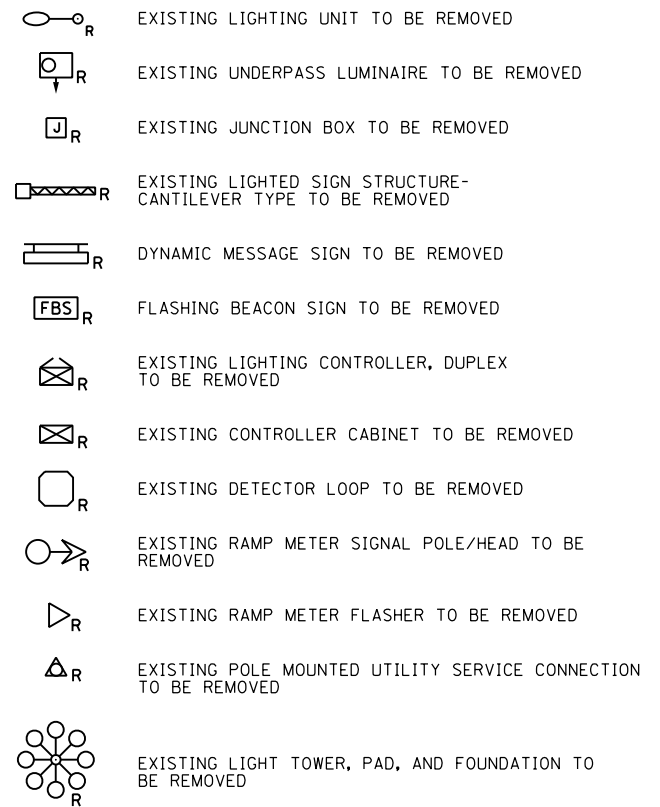
## ELECTRICAL SYMBOLS FOR EXISTING CONDITIONS



## GENERAL ELECTRICAL CALLOUTS



## TYPICAL EXISTING TO BE REMOVED SYMBOLS



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D160W30-sht-Light-01	DESIGNED - WDS	REVISED -
USER NAME = myersc	DRAWN - CAM	REVISED -
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PLOT DATE = 10/21/2014	DATE - 10/24/2014	REVISED -

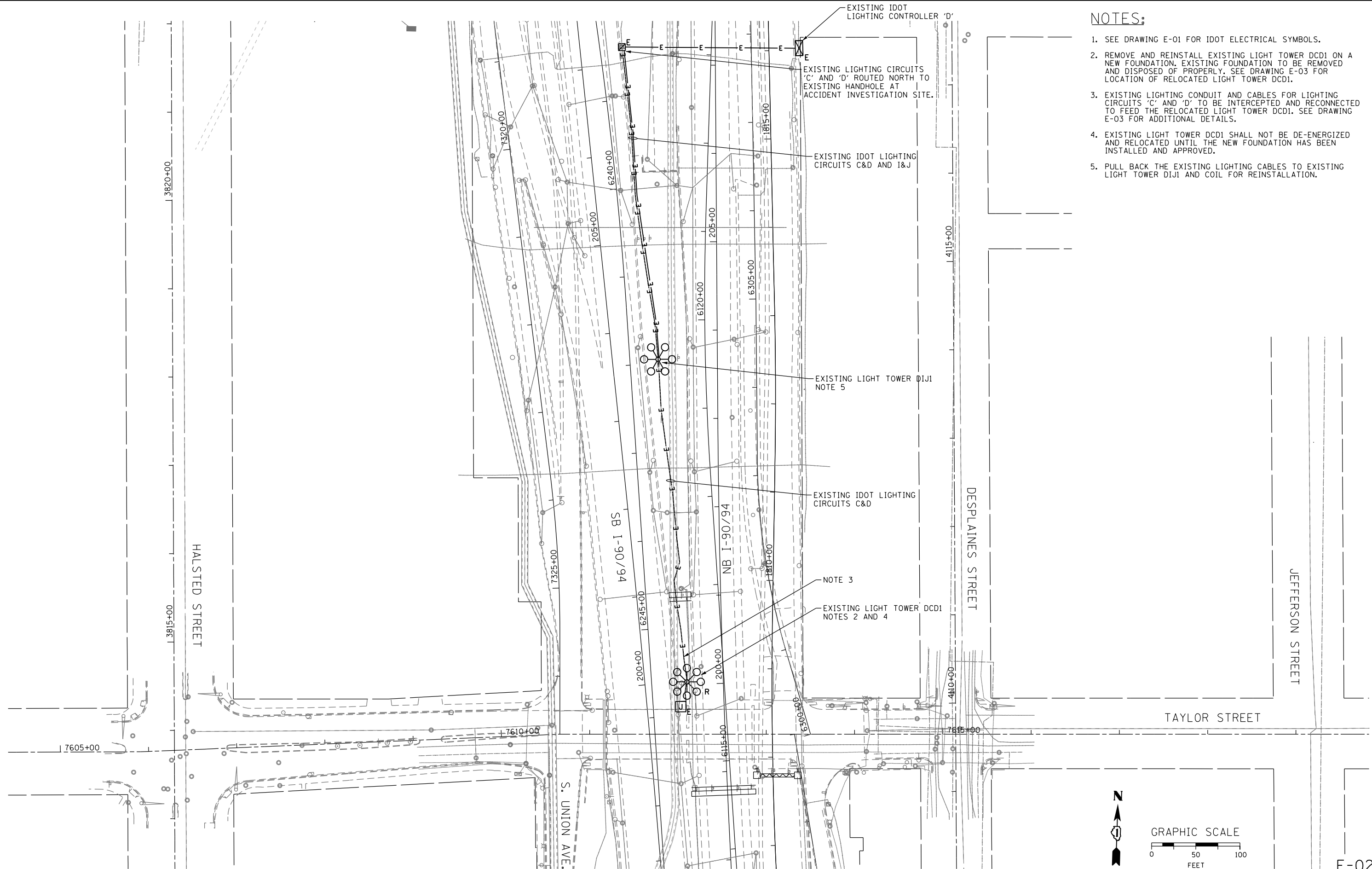
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

IDOT ELECTRICAL SYMBOLS

SCALE: N.T.S. SHEET 1 OF 12 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2013-012R	COOK	385	169
CONTRACT NO. 60W30				
ILLINOIS FED. AID PROJECT				

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**NOTES:**

1. SEE DRAWING E-01 FOR IDOT ELECTRICAL SYMBOLS.
2. REMOVE AND REINSTALL EXISTING LIGHT TOWER DCD1 ON A NEW FOUNDATION. EXISTING FOUNDATION TO BE REMOVED AND DISPOSED OF PROPERLY. SEE DRAWING E-03 FOR LOCATION OF RELOCATED LIGHT TOWER DCD1.
3. EXISTING LIGHTING CONDUIT AND CABLES FOR LIGHTING CIRCUITS 'C' AND 'D' TO BE INTERCEPTED AND RECONNECTED TO FEED THE RELOCATED LIGHT TOWER DCD1. SEE DRAWING E-03 FOR ADDITIONAL DETAILS.
4. EXISTING LIGHT TOWER DCD1 SHALL NOT BE DE-ENERGIZED AND RELOCATED UNTIL THE NEW FOUNDATION HAS BEEN INSTALLED AND APPROVED.
5. PULL BACK THE EXISTING LIGHTING CABLES TO EXISTING LIGHT TOWER DIJ1 AND COIL FOR REINSTALLATION.

E-02



DI60W30-sht-Light-02  
 USER NAME = myersc  
 PLOT SCALE = 100.0000' / in.  
 PLOT DATE = 10/21/2014

DESIGNED - WDS  
 DRAWN - CAM  
 CHECKED - WDS  
 DATE - 10/24/2014

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

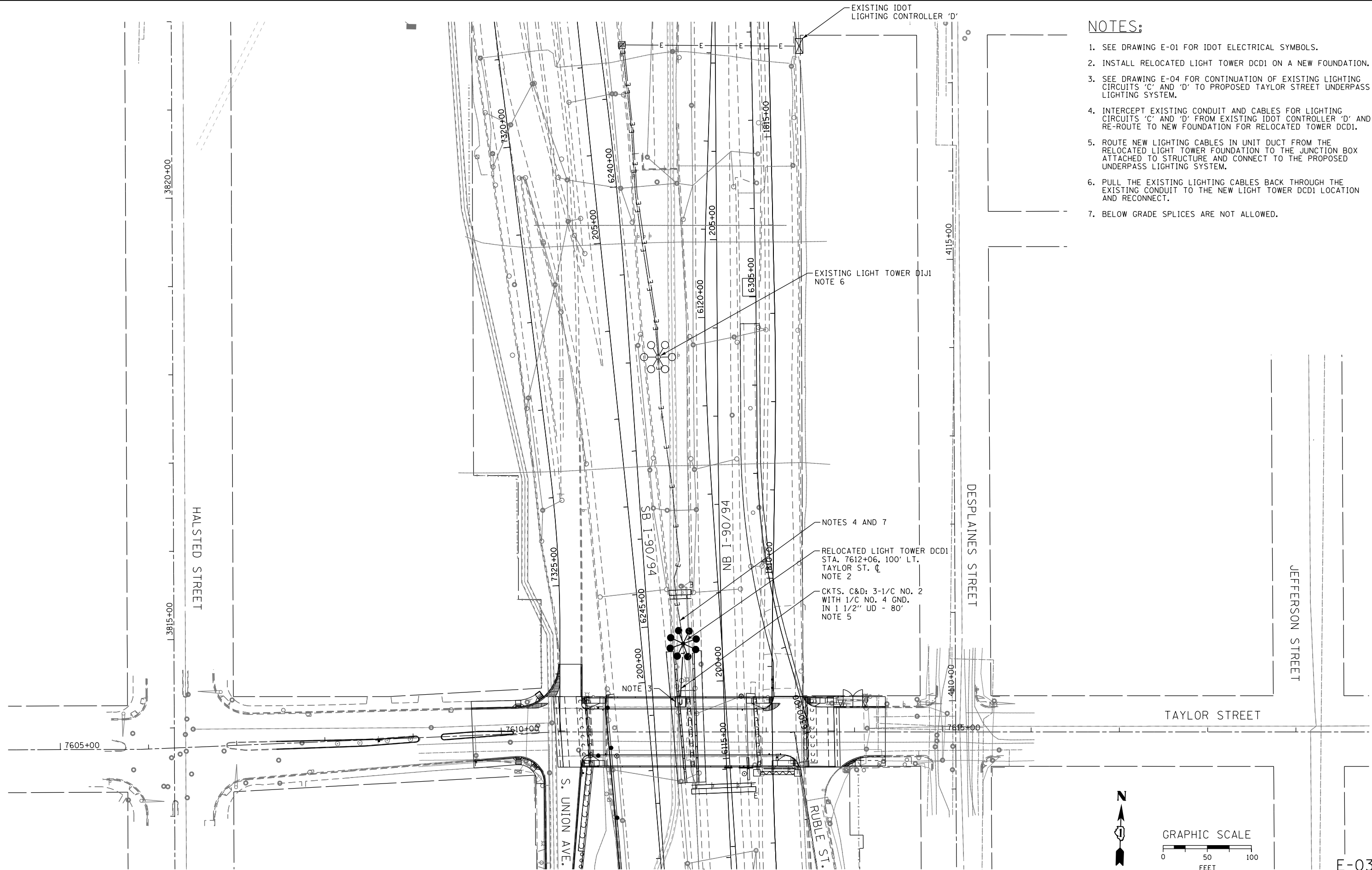
**I-90 EXISTING/DEMOLITION  
 LIGHTING PLAN**

SCALE: 1"=50' SHEET 2 OF 12 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2013-012R	COOK	385	170
CONTRACT NO. 60W30			ILLINOIS FED. AID PROJECT	

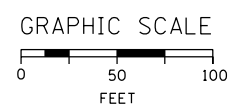


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**NOTES:**

1. SEE DRAWING E-01 FOR IDOT ELECTRICAL SYMBOLS.
2. INSTALL RELOCATED LIGHT TOWER DCD1 ON A NEW FOUNDATION.
3. SEE DRAWING E-04 FOR CONTINUATION OF EXISTING LIGHTING CIRCUITS 'C' AND 'D' TO PROPOSED TAYLOR STREET UNDERPASS LIGHTING SYSTEM.
4. INTERCEPT EXISTING CONDUIT AND CABLES FOR LIGHTING CIRCUITS 'C' AND 'D' FROM EXISTING IDOT CONTROLLER 'D' AND RE-ROUTE TO NEW FOUNDATION FOR RELOCATED TOWER DCD1.
5. ROUTE NEW LIGHTING CABLES IN UNIT DUCT FROM THE RELOCATED LIGHT TOWER FOUNDATION TO THE JUNCTION BOX ATTACHED TO STRUCTURE AND CONNECT TO THE PROPOSED UNDERPASS LIGHTING SYSTEM.
6. PULL THE EXISTING LIGHTING CABLES BACK THROUGH THE EXISTING CONDUIT TO THE NEW LIGHT TOWER DCD1 LOCATION AND RECONNECT.
7. BELOW GRADE SPLICES ARE NOT ALLOWED.



E-03



D160W30-sht-Light-03	DESIGNED - WDS	REVISED -
USER NAME = myersc	DRAWN - CAM	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - WDS	REVISED -
PLOT DATE = 10/23/2014	DATE - 10/24/2014	REVISED -

DESIGNED - WDS	REVISED -
DRAWN - CAM	REVISED -
CHECKED - WDS	REVISED -
DATE - 10/24/2014	REVISED -

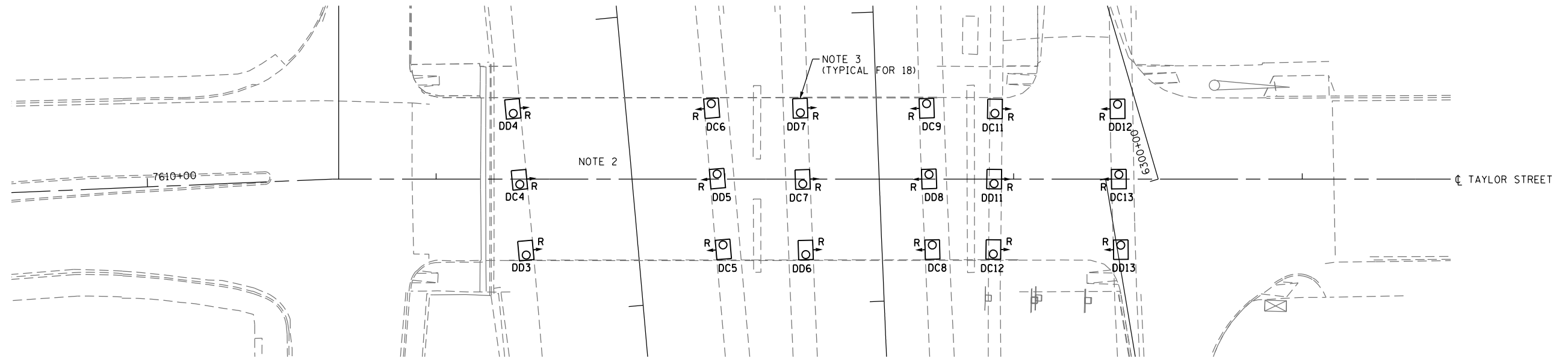
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**I-90 PROPOSED  
LIGHTING PLAN**

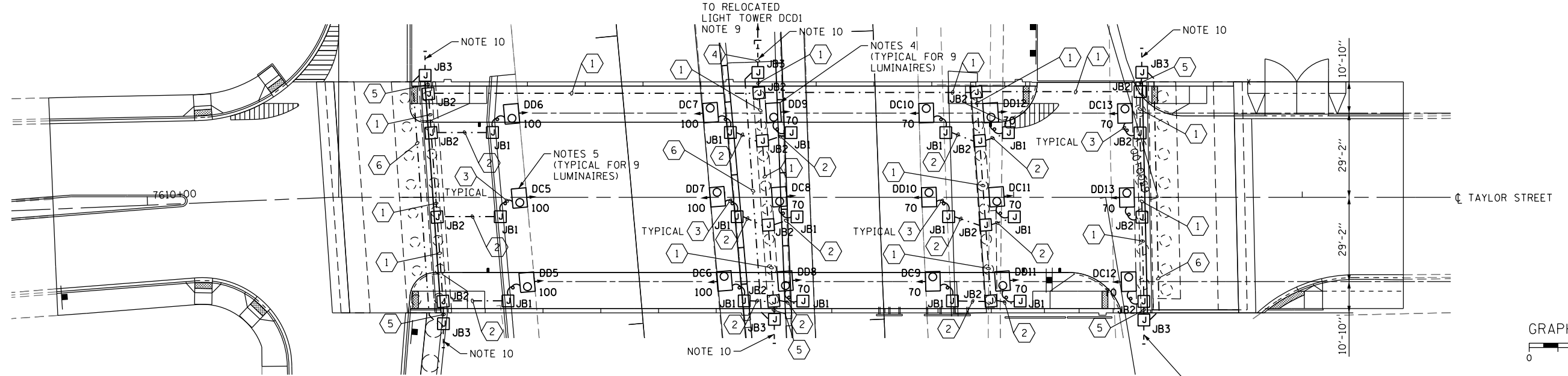
SCALE: 1"=50' SHEET 3 OF 12 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2013-012R	COOK	385	171
CONTRACT NO. 60W30			ILLINOIS FED. AID PROJECT	

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**EXISTING UNDERPASS LIGHTING PLAN**



**PROPOSED UNDERPASS LIGHTING PLAN**

**NOTES:**

- SEE DRAWING E-01 FOR IDOT ELECTRICAL SYMBOLS AND ABBREVIATIONS.
- LOCATIONS OF EXISTING ELECTRICAL EQUIPMENT SHOWN ON THIS DRAWING ARE APPROXIMATIONS AND MUST BE VERIFIED IN THE FIELD BY THE CONTRACTOR.
- THE REMOVAL OF EXISTING UNDERPASS LUMINAIRES MUST INCLUDE THE REMOVAL OF ALL CABLES, CONDUIT, JUNCTION BOXES, AND HARDWARE ASSOCIATED WITH THE EXISTING UNDERPASS LIGHTING. COST FOR THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED AS PART OF THE "REMOVAL OF LIGHTING UNIT, SALVAGE" PAY ITEM.
- SEE IDOT STANDARD DRAWING BE-902 FOR ADDITIONAL INSTALLATION DETAILS FOR PROPOSED PIER/ABUTMENT WALL MOUNTED UNDERPASS LUMINAIRES.
- SEE IDOT STANDARD DRAWING BE-900 FOR ADDITIONAL INSTALLATION DETAILS FOR PROPOSED SUSPENDED MOUNT UNDERPASS LUMINAIRES.
- ALL PROPOSED UNDERPASS LIGHTING UNITS SHOWN ON THIS DRAWING WILL BE FED FROM EXISTING IDOT LIGHTING CONTROLLER "D".
- SUSPENDED MOUNT UNDERPASS LUMINAIRES SETBACK FROM THE EDGE OF PAVEMENT SHALL BE 2 FEET.
- ALL VERTICAL CONDUIT RUNS ROUTED DOWN THE STRUCTURE SHALL BE INSTALLED ON THE INSIDE OF THE PIER FACING AWAY FROM TRAFFIC FLOW.
- SEE DRAWING E-03 FOR CONTINUATION OF LIGHTING CIRCUIT.
- SEE IDOT STANDARD DRAWINGS BE-900 AND BE-902 FOR ATTACHING 3" CONDUIT SLEEVE TO THE ABUTMENT/PIER AND ROUTING IT DOWN INTO GRADE FOR FUTURE USE, UNLESS OTHERWISE NOTED.

- 70 WATT, HPS UNDERPASS LUMINAIRE WITH TYPE 3 DISTRIBUTION
- 100 WATT, HPS UNDERPASS LUMINAIRE WITH TYPE 4 DISTRIBUTION

JUNCTION BOX SCHEDULE		
NO.	SIZE	DESCRIPTION
JB1	6"x6"x4"	STAINLESS STEEL, ATTACHED TO STRUCTURE, UNDERPASS LIGHTING
JB2	12"x10"x6"	STAINLESS STEEL, ATTACHED TO STRUCTURE, UNDERPASS LIGHTING
JB3	18"x18"x8"	STAINLESS STEEL, ATTACHED TO STRUCTURE, UNDERPASS LIGHTING

CABLE / CONDUIT SCHEDULE	
	3-1/C#10, 1-1/C#10 GND IN 1" DIA PVCC RGC ATTACHED TO STRUCTURE (CKTS AS INDICATED ON THIS DRAWING)
	2-1/C#10, 1-1/C#10 GND IN 1" DIA PVCC RGC ATTACHED TO STRUCTURE (CKTS AS INDICATED ON THIS DRAWING)
	2-1/C#10, 1-1/C#10 GND IN 1" DIA LIQUID TIGHT FLEXIBLE CONDUIT (CKTS AS INDICATED ON THIS DRAWING)
	3-1/C#2, 1-1/C#4 GND XLP TYPE USE CABLES IN A 1 1/2" UNIT DUCT (CKTS AS INDICATED ON THIS DRAWING)
	1" DIA. PVCC RGC ATTACHED TO STRUCTURE (EMPTY) FOR FUTURE USE
	3" DIA. PVCC RGC ATTACHED TO STRUCTURE (EMPTY) FOR FUTURE USE

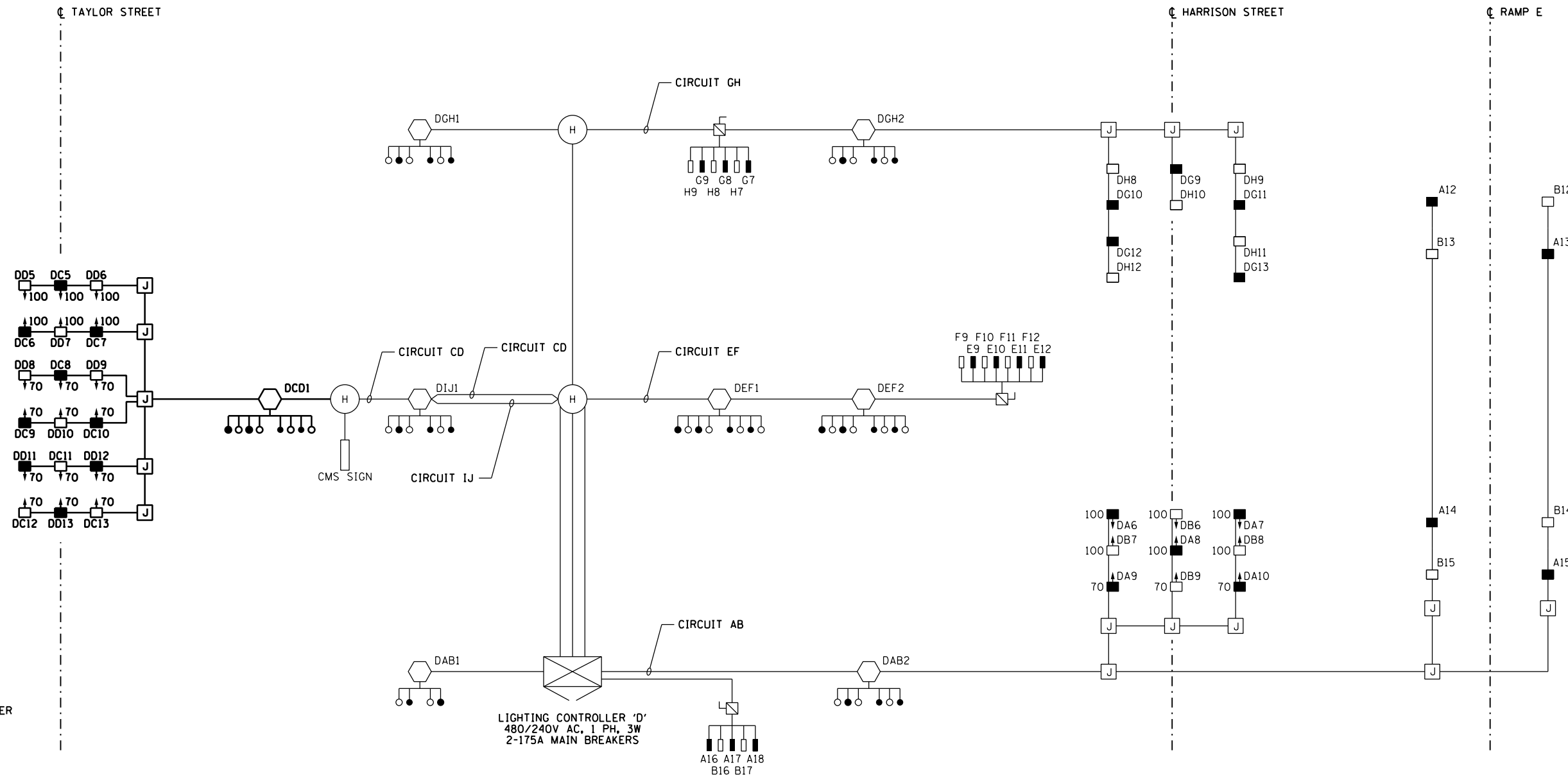


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PLOT DATE = 10/21/2014	DATE - 10/24/2014	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TAYLOR STREET UNDERPASS LIGHTING PLAN		F.A.I. RT#	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SCALE: 1"=20'		90/94	2013-012R	COOK	385	172
SHEET 4 OF 12 SHEETS		ILLINOIS FED. AID PROJECT		CONTRACT NO. 60W30		

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**SYMBOLS LEGEND**

- IDOT LIGHTING CONTROLLER
- HANDHOLE
- JUNCTION BOX
- HANDHOLE
- CMS SIGN
- UNDERPASS LIGHTING UNIT  
55 WATT HPS LUMINAIRE  
(BLACK PHASE - SOLID SYMBOL  
RED PHASE - OPEN SYMBOL)
- HIGH MAST LIGHT TOWER  
400 WATT HPS LUMINAIRE  
(BLACK PHASE - SOLID SYMBOL  
RED PHASE - OPEN SYMBOL)
- LIGHTED OVERHEAD SIGN STRUCTURE  
WITH 170 WATT FLUORESCENT  
LUMINAIRES, QUANTITY OF  
LUMINAIRES AS REQUIRED  
(BLACK PHASE - SOLID SYMBOL  
RED PHASE - OPEN SYMBOL)
- UNDERPASS LIGHTING UNIT  
70 OR 100 WATT HPS LUMINAIRE  
(BLACK PHASE - SOLID SYMBOL  
RED PHASE - OPEN SYMBOL)

LOAD TABLE LIGHTING CONTROLLER "D"					
CIRCUIT	BLACK PHASE		RED PHASE		
	AMPS	WATTS	AMPS	WATTS	
A	18.6	4,466	B	17.7	4,243
C	18.2	4,370	D	18.2	4,370
E	17.2	4,128	F	17.2	4,128
G	19.1	4,572	H	19.1	4,572
I	5.7	1,368	J	5.7	1,368
K	-	-	L	-	-
M	-	-	N	-	-
O	-	-	P	-	-
TOTAL	80.7	19,375	TOTAL	79.3	19,032



E-05



DESIGNED - WDS	REVISED -
USER NAME = myersc	DRAWN - CAM
PLOT SCALE = 40.0000' / in.	CHECKED - WDS
PLOT DATE = 10/21/2014	DATE - 10/24/2014

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

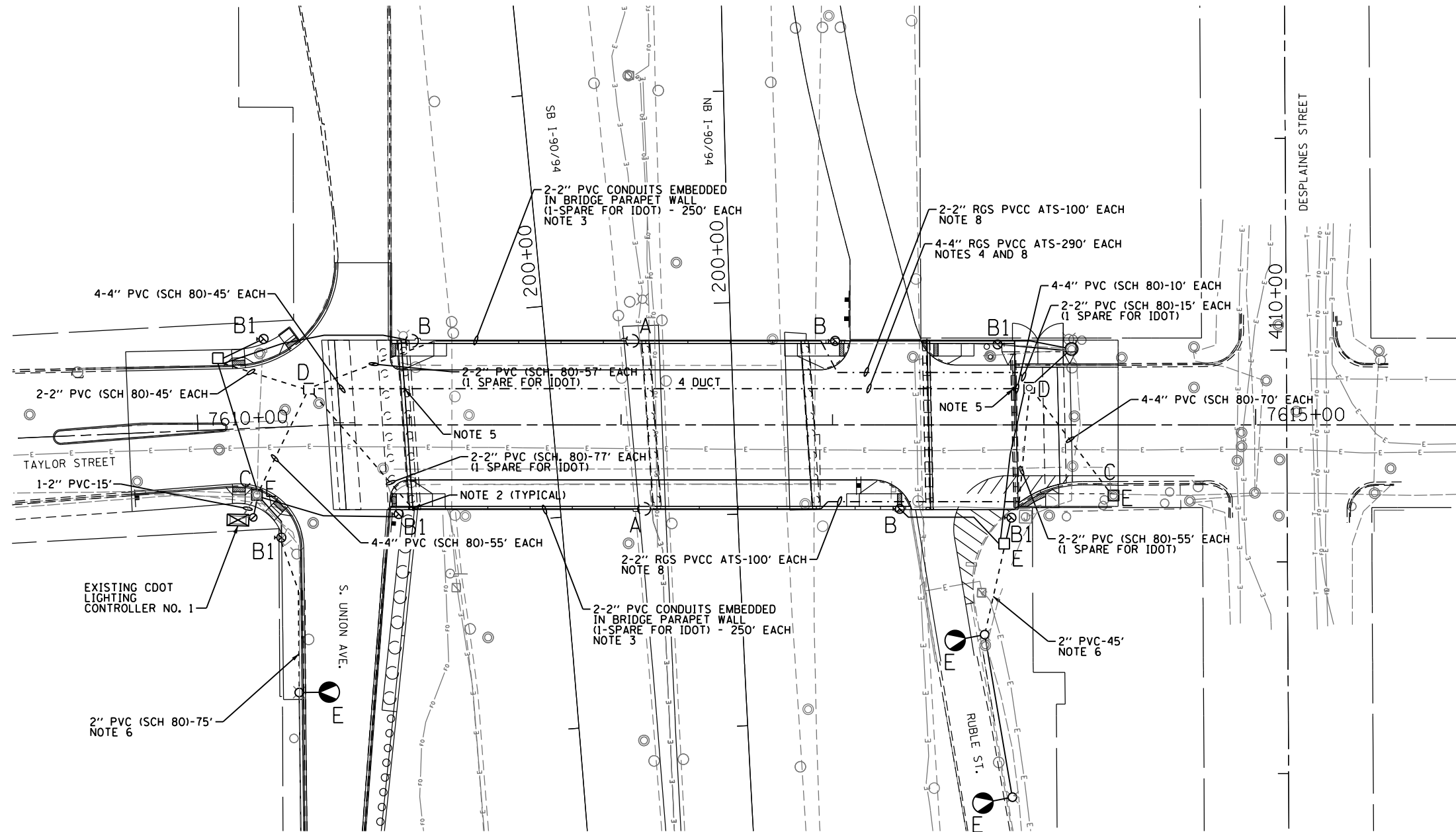
IDOT LIGHTING CONTROLLER 'D' WIRING DIAGRAM			
SCALE: N.T.S.	SHEET 5 OF 12 SHEETS	STA.	TO STA.

F.A.I. RTE. 90/94	SECTION 2013-012R	COUNTY COOK	TOTAL SHEETS 385	SHEET NO. 173
CONTRACT NO. 60W30				
ILLINOIS FED. AID PROJECT				

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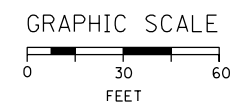
12/3/2014



**NOTES:**

- "A" LIGHT POLE FOUNDATION IS INTEGRAL TO THE BRIDGE STRUCTURE PARAPET WALL. SEE STRUCTURAL PLANS FOR DETAILS AND FINAL LOCATION OF FOUNDATION.
- "B" COMBINATION TRAFFIC SIGNAL/LIGHT POLE FOUNDATION INTEGRAL TO THE BRIDGE STRUCTURE PARAPET WALL. SEE STRUCTURAL AND TRAFFIC SIGNAL PLANS FOR DETAILS AND FINAL LOCATION OF FOUNDATION.
- "B1" COMBINATION TRAFFIC SIGNAL/LIGHT POLE FOUNDATION. SEE TRAFFIC SIGNAL PLANS FOR DETAILS AND FINAL LOCATION OF FOUNDATION.
- "C" DRILL EXISTING MANHOLE/HANDHOLE
- "D" PROVIDE 3'x4'x4' CONCRETE MANHOLE PER DWG. NO. 729 WITH 30" FRAME AND COVER PER DWG. NO. 874.
- "E" EXISTING TO REMAIN.

1. SEE TRAFFIC SIGNAL PLANS FOR THE LOCATION OF COMBINATION TRAFFIC SIGNAL/LIGHT POLE FOUNDATION. COORDINATE LIGHTING WORK WITH TRAFFIC SIGNAL WORK.
2. SEE DRAWING NO. E-11, EMBEDDED BRIDGE CONDUIT DETAIL-A FOR CONDUIT EXITING PARAPET WALL DETAILS.
3. PROVIDE TWO 2-INCH SCHEDULE 40 PVC CONDUITS IN BOTH BRIDGE PARAPET WALLS; ONE FOR THE LIGHTING CIRCUITS AND ONE SPARE. SEE STRUCTURAL PLANS FOR LOCATIONS, DETAILS AND INSTALLATION OF CONDUITS.
4. PROVIDE FOUR 4-INCH RIGID GALVANIZED STEEL PVC COATED CONDUITS ATTACHED TO STRUCTURE. THE CONDUITS SHALL BE MOUNTED UNDER THE BRIDGE DECK. SEE STRUCTURAL PLANS FOR LOCATION OF CONDUITS.
5. DEMARCATION POINT FOR TRANSITION FROM IN GROUND SCHEDULE 80 PVC CONDUIT TO PVC COATED RIGID STEEL CONDUIT ATTACHED TO STRUCTURE SHALL BE AT THE BRIDGE ABUTMENT ON THE WEST SIDE OF THE BRIDGE AND THE APPROACH BENT WALL ON THE EAST SIDE. SEE STRUCTURAL PLANS FOR LOCATION OF CONDUIT SLEEVES/OPENINGS IN THE ABUTMENT WALLS.
6. ROUTE NEW CONDUIT TO EXISTING LIGHTING UNIT AND MAKE THE NECESSARY CONNECTIONS TO INTERCEPT THE EXISTING CONDUIT ROUTED INTO THE LIGHT POLE FOUNDATION.
7. SEE CDOT DRAWING NO. 826 FOR SYMBOLS AND ABBREVIATIONS.
8. PORTIONS OF THE NEW CONDUIT RUNS WILL BE ROUTED THROUGH THE EXISTING EAST ABUTMENT WALL, THE VAULTED AREA BEHIND THE ABUTMENT WALL AND THE EAST APPROACH BENT WALL TO THE PROPOSED MANHOLE AS SHOWN. THE CONTRACTOR SHALL PERFORM ALL WORK REQUIRED TO INSTALL AND SUPPORT THESE CONDUITS THROUGH THESE EXISTING STRUCTURES. THE COST OF THIS WORK WILL NOT BE PAID FOR SEPARATELY AND SHALL BE INCLUDED IN THE COST OF THE "CONDUIT ATTACHED TO STRUCTURE, PVC COATED GALVANIZED STEEL" PAY ITEM OF THE DIAMETER SPECIFIED.

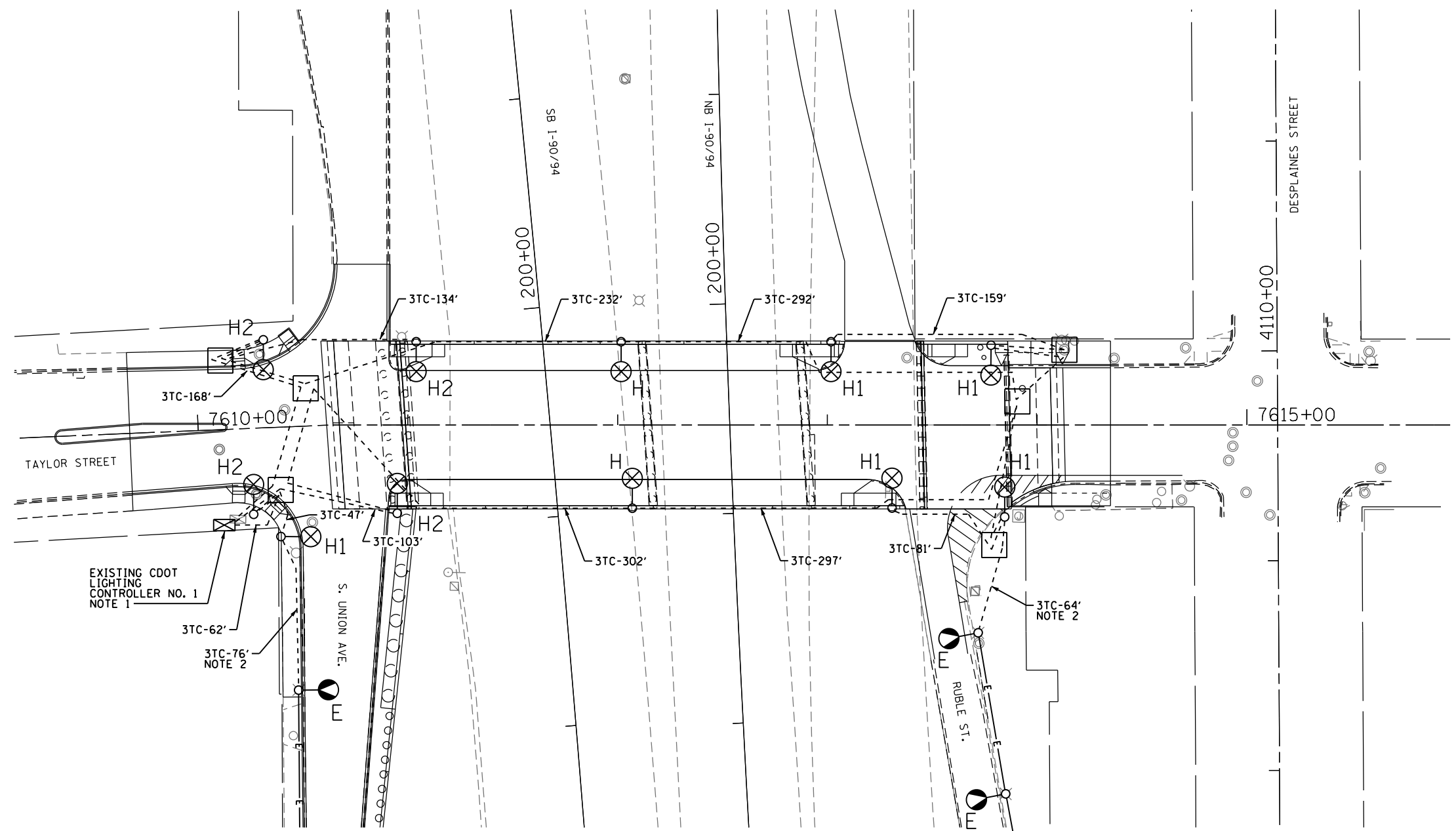


FOR LIGHTING CABLE AND EQUIPMENT INSTALLATION PLANS SEE DRAWING NO. E-07.  
 FOR LIGHTING REMOVAL PLANS SEE DRAWING NO. E-08.

DATE	REVISION
<b>CITY OF CHICAGO</b>	
DEPARTMENT OF TRANSPORTATION DIVISION OF ENGINEERING	
CONSULTANT: <b>AECOM</b> <small>303 EAST WACKER DRIVE, SUITE 1400 CHICAGO, IL 60601-5276 PHONE: (312) 373-7700 FAX: (312) 373-6800</small>	
WORK ORDER NO. _____	DATE _____
COST ALLOCATION ACCOUNT _____	
APPROPRIATION ACCOUNT _____	MATERIAL _____ LABOR _____
<b>TAYLOR STREET LIGHTING CONDUIT AND FOUNDATION PLAN</b>	
<b>CITY OF CHICAGO</b> <small>DEPT. OF TRANSPORTATION DIVISION OF ELECTRICAL OPERATIONS</small>	
DRAFTSMAN: CAM	CHIEF DRAFTSMAN: WDS
SUPERVISING ENGINEER: JPC	ELEC. DESIGN ENGR.
ENGINEER OF ELECTRICITY:	
GEN'L SUPT. OF ELECTRICITY:	
DEPUTY COMMISSIONER:	
SIZE: 22"   34"	SCALE: 1" = 30'
DATE: 12/05/14	DATE:
C.D.O.T. PROJECT NO.:	DWG. NO.:

E-06

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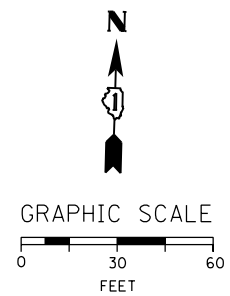
NEW 7,310 WATTS  
 OLD 7,310 WATTS  
 ATLAS NO. 0-24  
 GROUP NO. 1  
 (20) 195 WATT HPS @ 240V  
 (10) 341 WATT HPS @ 240V

EXISTING CDOT LIGHTING CONTROLLER NO. 1  
 NOTE 1

"H" INSTALL A CDOT FURNISHED STEEL POLE, LUMINAIRE AND MAST ARM PER DRAWING NOS. 620, 724, 762 AND 837.  
 "H1" INSTALL A CDOT FURNISHED MAST ARM AND LUMINAIRE ON A TRAFFIC SIGNAL/LIGHT COMBINATION POLE PER DRAWING NOS. 620 AND 724. SEE TRAFFIC SIGNAL PLANS FOR POLE LOCATIONS.  
 "H2" REINSTALL A CDOT FURNISHED MAST ARM AND LUMINAIRE ON A PERMANENT TRAFFIC SIGNAL/LIGHT COMBINATION POLE PER DRAWING NOS. 620 AND 724. SEE TRAFFIC SIGNAL PLANS FOR POLE LOCATIONS. SEE NOTE 3.

NOTES:

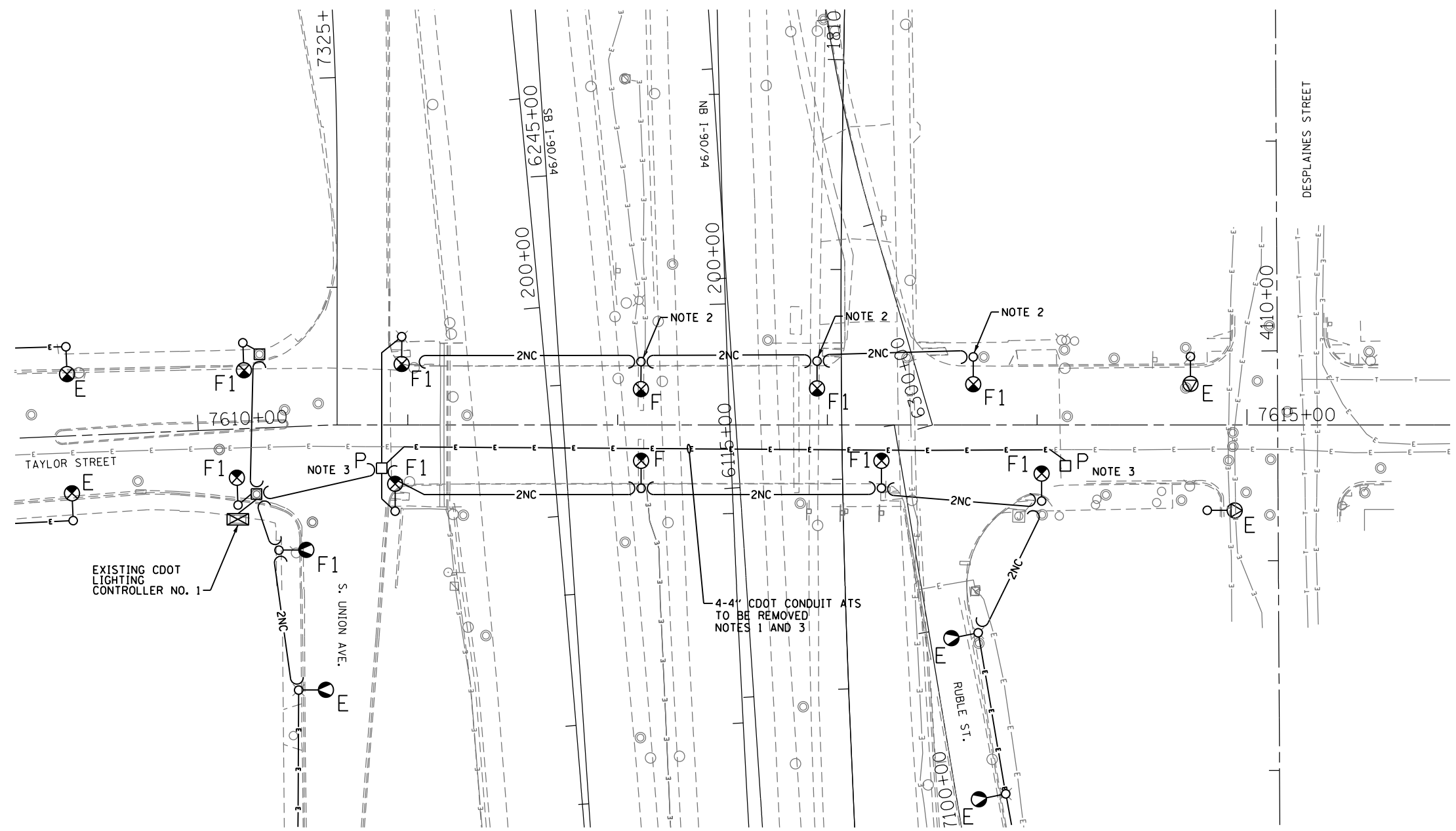
- ROUTE NEW LIGHTING CIRCUITS THROUGH CITY CONDUITS AND MANHOLES INTO THE EXISTING CDOT LIGHTING CONTROLLER AND MAKE THE NECESSARY CONNECTIONS TO THE EXISTING CIRCUIT BREAKERS. THIS WORK WILL NOT BE PAID FOR SEPARATELY AND SHALL BE INCLUDED IN THE COST OF THE "CABLE IN CONDUIT, TRIPLEX" PAY ITEM.
- CONNECT THE NEW LIGHTING CIRCUIT CABLES TO EXISTING CABLE LOCATED WITHIN THE EXISTING LIGHTING UNIT.
- CDOT FURNISHED MAST ARM AND LUMINAIRE TO BE REMOVED FROM TEMPORARY TRAFFIC SIGNAL POLE AND REINSTALLED ON A PERMANENT TRAFFIC SIGNAL POLE. SEE DRAWING E-09 FOR TEMPORARY LIGHTING PLANS.



FOR CONDUIT AND FOUNDATION PLANS SEE DRAWING NO. E-06.  
 FOR LIGHTING REMOVAL PLANS SEE DRAWING NO. E-08.

DATE	REVISION
<b>CITY OF CHICAGO</b> DEPARTMENT OF TRANSPORTATION DIVISION OF ENGINEERING	
<b>CONSULTANT:</b>  303 EAST WACKER DRIVE, SUITE 1400 CHICAGO, IL 60601-5276 PHONE: (312) 373-7700 FAX: (312) 373-6800	
WORK ORDER NO. _____	DATE _____
COST ALLOCATION ACCOUNT _____	
APPROPRIATION ACCOUNT _____	MATERIAL _____ LABOR _____
<b>TAYLOR STREET LIGHTING CABLE AND EQUIPMENT INSTALLATION PLAN</b>	
<b>CITY OF CHICAGO</b> DEPT. OF TRANSPORTATION DIVISION OF ELECTRICAL OPERATIONS	
DRAFTSMAN: CAM	CHIEF DRAFTSMAN: WDS
SUPERVISING ENGINEER: JPC	ELEC. DESIGN ENGR.
ENGINEER OF ELECTRICITY:	<b>E-07</b>
GEN'L SUPT. OF ELECTRICITY:	
DEPUTY COMMISSIONER:	
SIZE: 22"   34"	SCALE: 1" = 30'
DATE: 12/05/14	DATE:
C.D.O.T. PROJECT NO.:	DWG. NO.: 7 OF 12

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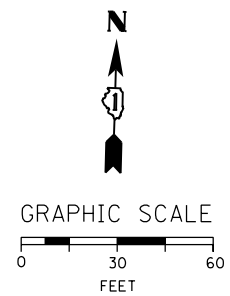
EXISTING CDOT LIGHTING CONTROLLER NO. 1

4-4" CDOT CONDUIT ATS TO BE REMOVED NOTES 1 AND 3

"E"	EXISTING TO REMAIN.
"F"	REMOVE AND SALVAGE EXISTING STEEL POLE, LUMINAIRE, MAST ARM COMPLETE.
"F1"	REMOVE AND SALVAGE EXISTING LUMINAIRE(S) AND MAST ARM(S). ANCHOR BASE STEEL POLE AND CONCRETE FOUNDATION TO BE REMOVED WITH TRAFFIC SIGNAL WORK.
"P"	REMOVE EXISTING MANHOLE COMPLETE.

**NOTES:**

1. THE EXISTING CDOT CONDUITS ATTACHED TO THE UNDERSIDE OF THE BRIDGE STRUCTURE MAY CONTAIN ASBESTOS MATERIALS. THE CONDUITS SHALL BE REMOVED AND DISPOSED OF PROPERLY PRIOR TO THE BRIDGE DEMOLITION. CONDUITS TESTED AND CONFIRMED TO CONTAIN ASBESTOS MUST BE REMOVED IN ACCORDANCE WITH THE SPECIAL PROVISION "REMOVAL OF ASBESTOS CEMENT CONDUIT". ASBESTOS CONDUIT REMOVAL SHALL BE PAID FOR UNDER THE "REMOVAL OF ASBESTOS CEMENT CONDUIT" PAY ITEM.
2. THE EXISTING LIGHTING UNITS ON THE SOUTH SIDE OF THE BRIDGE AND TAYLOR STREET SHALL REMAIN IN OPERATION TO ILLUMINATE THE ROADWAY IN STAGE 1 AND SHALL NOT BE REMOVED UNTIL STAGE 2. SEE DRAWING E-09 FOR TEMPORARY LIGHTING PLAN.
3. THE CITY CONDUITS AND MANHOLES SHALL NOT BE REMOVED UNTIL THE PROPOSED CITY CONDUITS AND CABLES ARE INSTALLED AND CONNECTED BY THE OEMC.

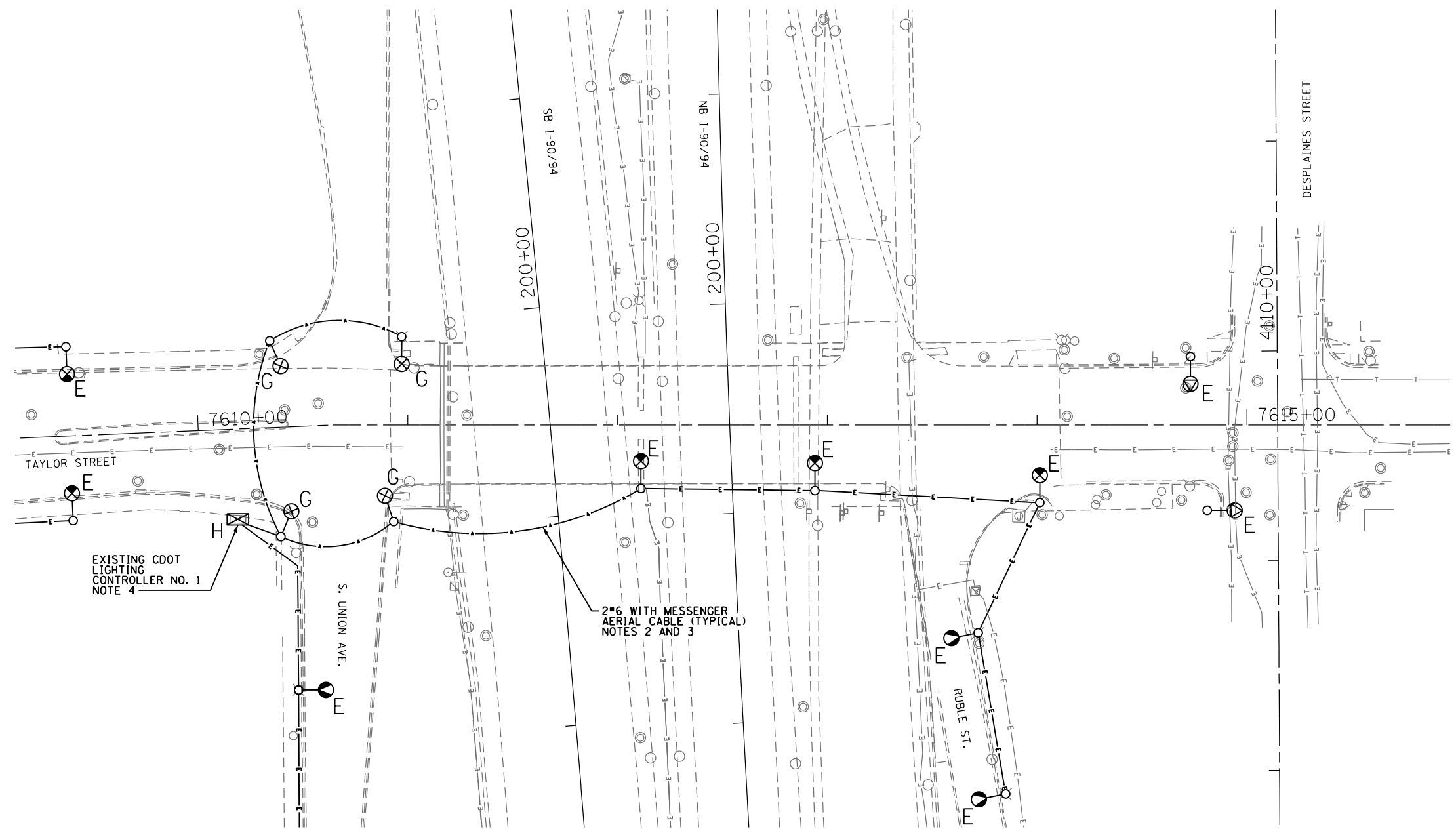


FOR CONDUIT AND FOUNDATION PLANS SEE DRAWING NO. E-06.  
FOR LIGHTING CABLE AND EQUIPMENT INSTALLATION PLANS SEE DRAWING NO. E-07.

DATE	REVISION
<b>CITY OF CHICAGO</b>	
DEPARTMENT OF TRANSPORTATION DIVISION OF ENGINEERING	
CONSULTANT: <b>AECOM</b> <small>303 EAST WACKER DRIVE, SUITE 1400 CHICAGO, IL 60601-5276 PHONE: (312) 373-7700 FAX: (312) 373-6800</small>	
WORK ORDER NO. _____	DATE _____
COST ALLOCATION ACCOUNT _____	
APPROPRIATION ACCOUNT _____	MATERIAL _____ LABOR _____
<b>TAYLOR STREET LIGHTING REMOVAL PLAN</b>	
CITY OF CHICAGO DEPT. OF TRANSPORTATION DIVISION OF ELECTRICAL OPERATIONS	
DRAFTSMAN: CAM	CHIEF DRAFTSMAN: JPC
SUPERVISING ENGINEER: JPC	ENGINEER: WDS
ENGINEER OF ELECTRICITY:	
GEN'L SUPT. OF ELECTRICITY:	
DEPUTY COMMISSIONER:	
SIZE: 22"   34"	SCALE: 1" = 30'
DATE: 05/14/13	DATE:
C.D.O.T. PROJECT NO.:	DWG. NO.: 8 OF 12

E-08

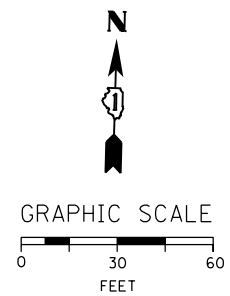
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"E"	EXISTING TO REMAIN.
"G"	INSTALL A CDOT FURNISHED 400W HPS LUMINAIRE AND 15 FOOT MAST ARM ON A TEMPORARY TRAFFIC SIGNAL POLE. SEE TRAFFIC SIGNAL PLANS FOR LOCATIONS OF WOOD POLES. SEE NOTE 5.
"H"	FURNISH AND INSTALL A 2-INCH GALVANIZED STEEL CONDUIT RISER WITH WEATHERHEAD ATTACHED TO THE CONTROLLER AS DIRECTED BY CDOT. SEE NOTES 4 AND 6.

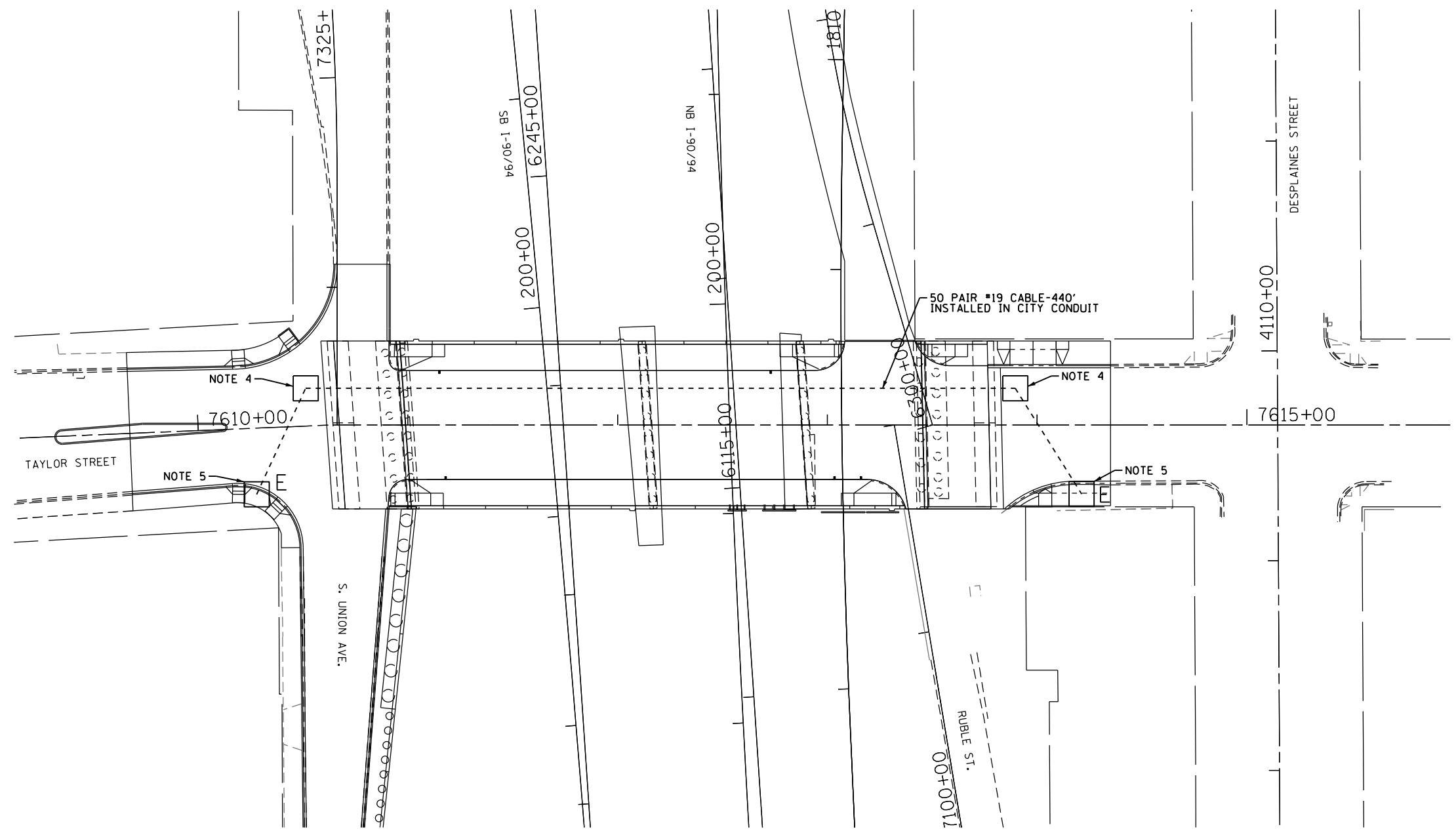
**NOTES:**

- COORDINATE ALL TEMPORARY LIGHTING WORK WITH THE TRAFFIC SIGNAL PLANS.
- ALL AERIAL CABLES SHOWN ON THIS SHEET SHALL BE 2#6 WITH MESSENGER, UNLESS NOTED OTHERWISE.
- PROVIDE A TEMPORARY AERIAL LIGHTING FEED FROM THE CDOT LIGHTING CONTROLLER TO THE TEMPORARY AND EXISTING CDOT LIGHTING UNITS AS SHOWN.
- PROVIDE A 10 FOOT LENGTH OF 2-INCH RIGID STEEL CONDUIT WITH WEATHER HEAD ATTACHED TO THE EXISTING CDOT LIGHTING CONTROLLER FOR ROUTING THE TEMPORARY AERIAL CABLES FROM THE CONTROLLER TO THE TEMPORARY TRAFFIC SIGNAL POLE AS SHOWN. THE CONDUIT SHALL BE ATTACHED TO THE CONTROLLER USING STAINLESS STEEL STRAPS OR OTHER ANCHORING MEANS APPROVED BY CDOT. THIS WORK WILL NOT BE PAID FOR SEPARATELY AND SHALL BE INCLUDED IN AND PAID FOR UNDER THE "CONDUIT ATTACHED TO STRUCTURE, 2" DIA., GALVANIZED STEEL" PAY ITEM.
- AFTER THE PERMANENT TRAFFIC SIGNAL/LIGHT COMBINATION POLES HAVE BEEN INSTALLED, REMOVE THE CDOT FURNISHED LUMINAIRE AND MAST ARM FROM THE TEMPORARY TRAFFIC SIGNAL POLE AND REINSTALL ON A PERMANENT TRAFFIC POLE AS SHOWN ON DRAWING E-07.
- THE 2-INCH RIGID GALVANIZED STEEL CONDUIT RISER AND ACCESSORIES SHALL BE COMPLETELY REMOVED AND DISPOSED OF AFTER THE PERMANENT STREET LIGHTING CIRCUITS HAVE BEEN INSTALLED AND ENERGIZED. THIS WORK WILL NOT BE PAID FOR SEPARATELY AND SHALL BE INCLUDED IN AND PAID FOR UNDER THE "CONDUIT ATTACHED TO STRUCTURE, 2" DIA., GALVANIZED STEEL" PAY ITEM.



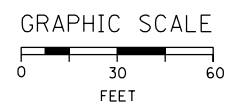
<b>CITY OF CHICAGO</b>		
DEPARTMENT OF TRANSPORTATION DIVISION OF ENGINEERING		
<b>CONSULTANT:</b>  <small>303 EAST WACKER DRIVE, SUITE 1400 CHICAGO, IL 60601-5276 PHONE: (312) 373-7700 FAX: (312) 373-6800</small>		
WORK ORDER NO. _____	DATE _____	
COST ALLOCATION ACCOUNT _____		
APPROPRIATION ACCOUNT MATERIAL _____ LABOR _____		
<b>TAYLOR STREET TEMPORARY LIGHTING PLAN</b>		
<b>CITY OF CHICAGO</b> <small>DEPT. OF TRANSPORTATION DIVISION OF ELECTRICAL OPERATIONS</small>		
DRAFTSMAN: CAM	CHIEF DRAFTSMAN: JPC	ENGINEER: WDS
SUPERVISING ENGINEER/ELEC. DESIGN ENGR. JPC		<b>E-09</b>
ENGINEER OF ELECTRICITY:		
GEN'L SUPT. OF ELECTRICITY:		
DEPUTY COMMISSIONER:		
SIZE: 22"   34"	SCALE: 1" = 30'	DATE: _____
DATE: 05/14/13		DWG. NO.: 9 OF 12
C.D.O.T. PROJECT NO.:		

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**NOTES:**

- SEE DRAWING E-01 FOR IDOT ELECTRICAL SYMBOLS.
- ALL WORK SHOWN ON THIS DRAWING WILL BE COORDINATED WITH THE CITY OF CHICAGO'S OFFICE OF EMERGENCY MANAGEMENT AND COMMUNICATIONS (OEMC). OEMC CONTACT: FRANK KELLY 312-746-9238. PRIOR TO STARTING ANY WORK, THE CONTRACTOR SHALL SCHEDULE AND HOST A MEETING WITH THE OEMC AND THE RESIDENT ENGINEER TO DISCUSS THE INSTALLATION OF THE PERMANENT COMMUNICATION CABLES.
- ALL SPLICING OF PROPOSED OEMC CABLES IN EXISTING CITY MANHOLES WILL BE DONE BY OTHERS.
- PROVIDE 10 FEET OF SLACK FOR EACH COMMUNICATION CABLE INSTALLED IN CITY MANHOLES, UNLESS NOTED OTHERWISE.
- PROVIDE 25 FEET OF SLACK FOR EACH COMMUNICATION CABLE INSTALLED IN THE EXISTING MANHOLE AT THE TERMINUS OF THE PROPOSED CABLE RUN.
- ALL NEW CABLES SHALL BE NEATLY RACKED ON SUPPORT BRACKETS AROUND THE INSIDE PERIMETER OF THE MANHOLE.

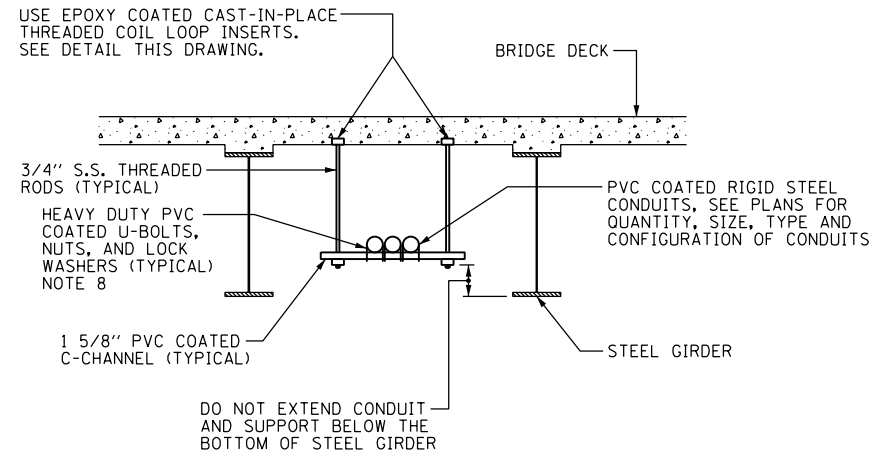


DATE	REVISION
<b>CITY OF CHICAGO</b>	
DEPARTMENT OF TRANSPORTATION DIVISION OF ENGINEERING	
CONSULTANT: <b>AECOM</b> <small>303 EAST WACKER DRIVE, SUITE 1400 CHICAGO, IL 60601-5276 PHONE: (312) 373-7700 FAX: (312) 373-6800</small>	
WORK ORDER NO. _____	DATE _____
COST ALLOCATION ACCOUNT _____	
APPROPRIATION ACCOUNT _____	MATERIAL _____ LABOR _____
<b>TAYLOR STREET OEMC CABLE INSTALLATION PLAN</b>	
CITY OF CHICAGO DEPT. OF TRANSPORTATION DIVISION OF ELECTRICAL OPERATIONS	
DRAFTSMAN: CAM	CHIEF DRAFTSMAN: WDS
SUPERVISING ENGINEER: JPC	ELEC. DESIGN ENGR. WDS
ENGINEER OF ELECTRICITY:	<b>E-10</b>
GEN'L SUPT. OF ELECTRICITY:	
DEPUTY COMMISSIONER:	
FOR CONDUIT PLANS SEE DRAWING NO. E-06	
SIZE: 22"   34"	SCALE: 1" = 30'
DATE: 05/14/13	DATE:
C.D.O.T. PROJECT NO.:	DWG. NO.: 10 OF 12

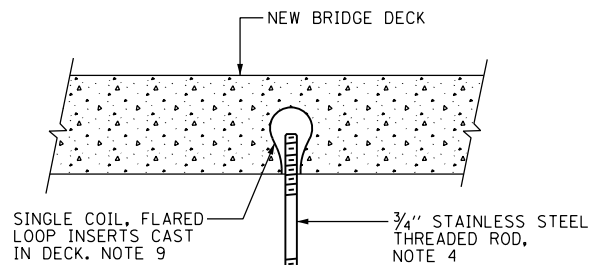


## HIGH MAST LIGHT TOWER FOUNDATION SCHEDULE

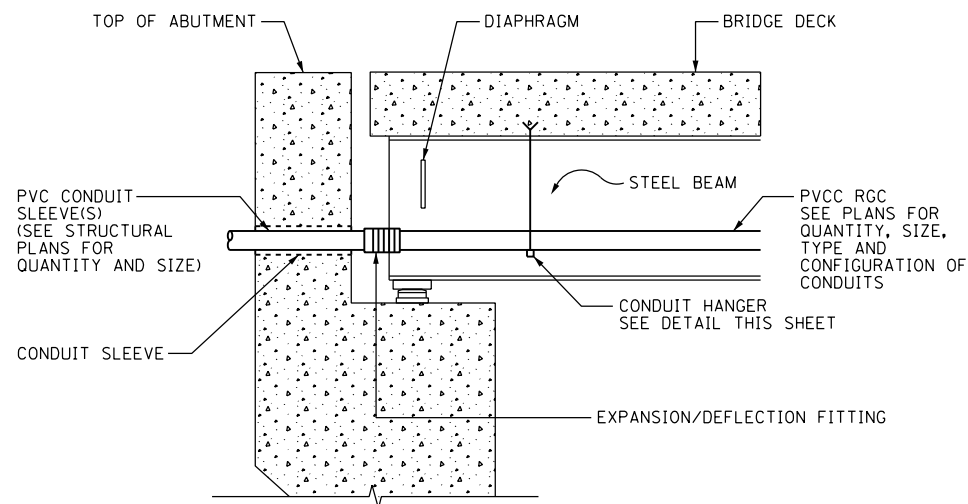
HIGH MAST LIGHT TOWER IDENTIFICATION	HIGH MAST LIGHT TOWER FOUNDATION LOCATION			HIGH MAST LIGHT TOWER FOUNDATION ELEVATIONS			HIGH MAST TOWER HEIGHT	REMARKS AND NOTES
	STATION	OFFSET (NOTE 4)	BASELINE	TOP ELEVATION	BOTTOM ELEVATION	DESIGN DEPTH (FT)		
DCD1	7612+06	100' LT	TAYLOR STREET	579.19	547.69	31.5	120'	EX. LIGHT TOWER DCD1 TO BE RELOCATED, SEE NOTES 10 AND 11



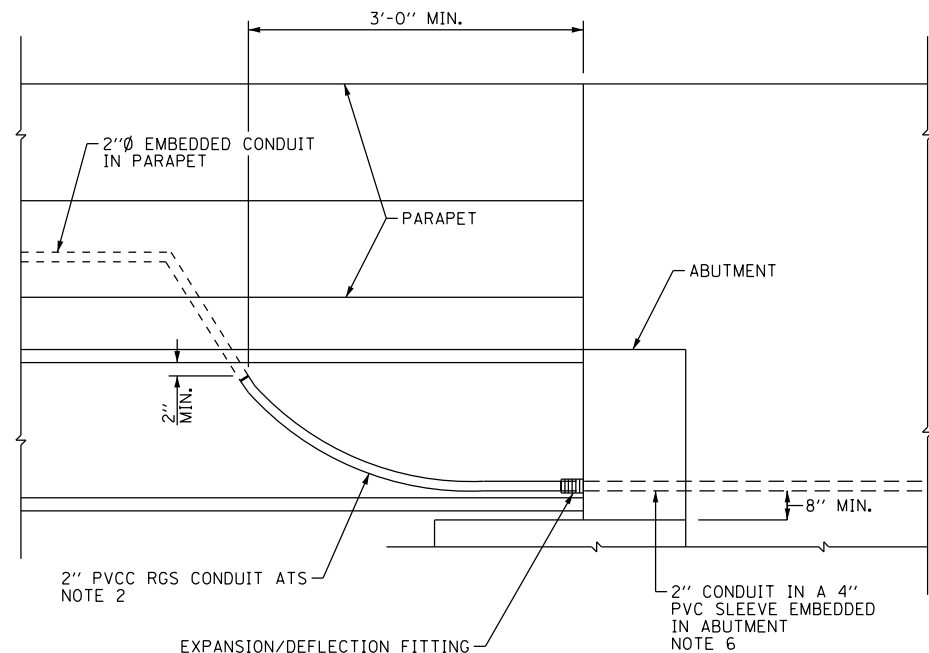
**TYPICAL CONDUIT SUPPORT ATTACHED TO BRIDGE DECK DETAIL**  
SCALE: NOT TO SCALE  
NOTE 5



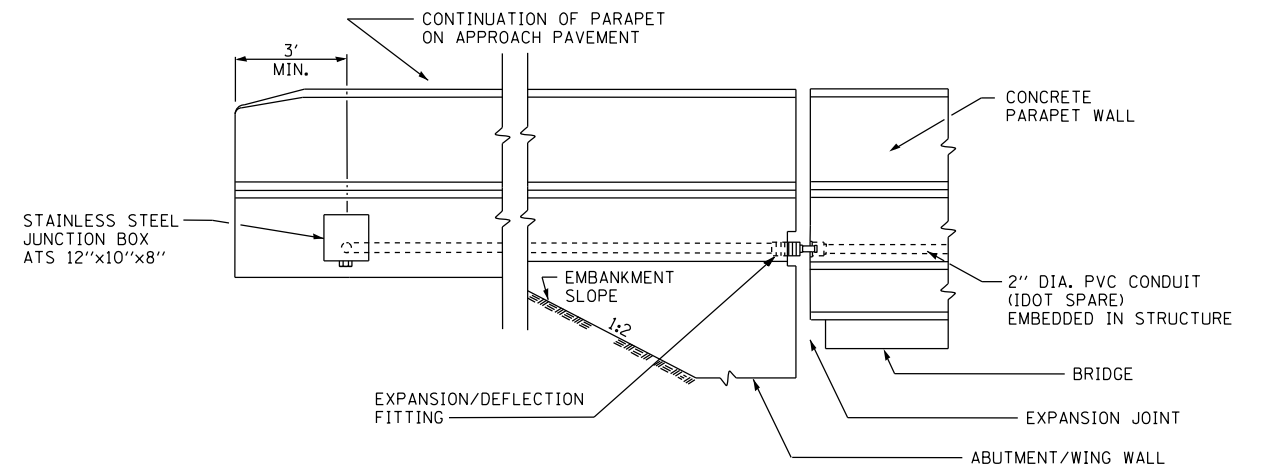
**BRIDGE DECK THREADED ROD INSTALLATION ANCHOR DETAILS**  
SCALE: NOT TO SCALE



**TYPICAL CONDUIT INSTALLATION THROUGH ABUTMENT WALL**  
SCALE: NOT TO SCALE



**EMBEDDED BRIDGE CONDUIT DETAIL-A**  
SCALE: NOT TO SCALE



**EMBEDDED BRIDGE CONDUIT DETAIL-B**  
SCALE: NOT TO SCALE

### NOTES:

1. SEE DRAWING E-01 FOR IDOT ELECTRICAL SYMBOLS.
2. 2" PVCC CONDUITS SHALL HAVE A MINIMUM BENDING RADIUS OF 10".
3. SEE STRUCTURAL PLANS FOR LOCATION OF EMBEDDED CONDUITS.
4. THE CONTRACTOR MUST COORDINATE THREADED ROD END SIZES WITH THE C-CHANNEL AND FLARED LOOP INSERT MANUFACTURERS.
5. THE CONDUIT SUPPORT SYSTEM ATTACHED TO THE BRIDGE DECK, INCLUDING THE INSERTS, WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE PRICE FOR THE "CONDUIT ATTACHED TO STRUCTURE" PAY ITEM.
6. COORDINATE THE LOCATION OF THE CONDUITS ROUTED THROUGH THE ABUTMENTS AND APPROACH BENT WALL WITH THE LOCATION OF THE CONDUIT SLEEVES/ OPENINGS SHOWN ON THE STRUCTURAL PLANS.
7. SEE PLAN DRAWINGS FOR THE PROPOSED CONDUIT ROUTING.
8. ALL MOUNTING HARDWARE FOR CONDUIT SUPPORTS AND PVCC RGC MUST BE PVC COATED.
9. THE CONTRACTOR MUST USE APPROVED SINGLE COIL FLARED LOOP INSERTS WHEN PENDANT MOUNTING THREADED RODS TO A NEW BRIDGE DECK. THE FLARED LOOP INSERTS MUST BE CAST INTO THE CONCRETE DECK. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING THE INSERT LOCATIONS IN THE FIELD AND COORDINATING ALL WORK WITH THE BRIDGE DECK CONSTRUCTION.
10. SEE IDOT STANDARD BE-506 FOR LIGHT TOWER FOUNDATION DETAILS. PRIOR TO BEGINNING WORK, THE CONTRACTOR SHALL INSPECT THE EXISTING TOWER FOUNDATION TO DETERMINE THE EXISTING ANCHOR BOLT SIZE, QUANTITY, PATTERN, PROTRUSION AND BOLT CIRCLE DIAMETER. THE CONTRACTOR MUST PROVIDE A NEW TOWER FOUNDATION WITH ANCHOR BOLTS THAT MATCH THE EXISTING FOUNDATION'S ANCHOR BOLT PROPERTIES AND DIMENSIONS SO THAT THE RELOCATED LIGHT TOWER CAN BE INSTALLED ONTO THE NEW FOUNDATION WITHOUT CONFLICT.
11. THE SCHEDULE ON THIS DRAWING REPLACES THE "SHAFT LENGTH (D) TABLE" SHOWN ON IDOT STANDARD BE-506.

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D160W30-sht-Light-11  
USER NAME = myersc  
PLOT SCALE = 2.0000' / in.  
PLOT DATE = 12/3/2014

DESIGNED - WDS  
DRAWN - CAM  
CHECKED - WDS  
DATE - 12/05/14

REVISED -  
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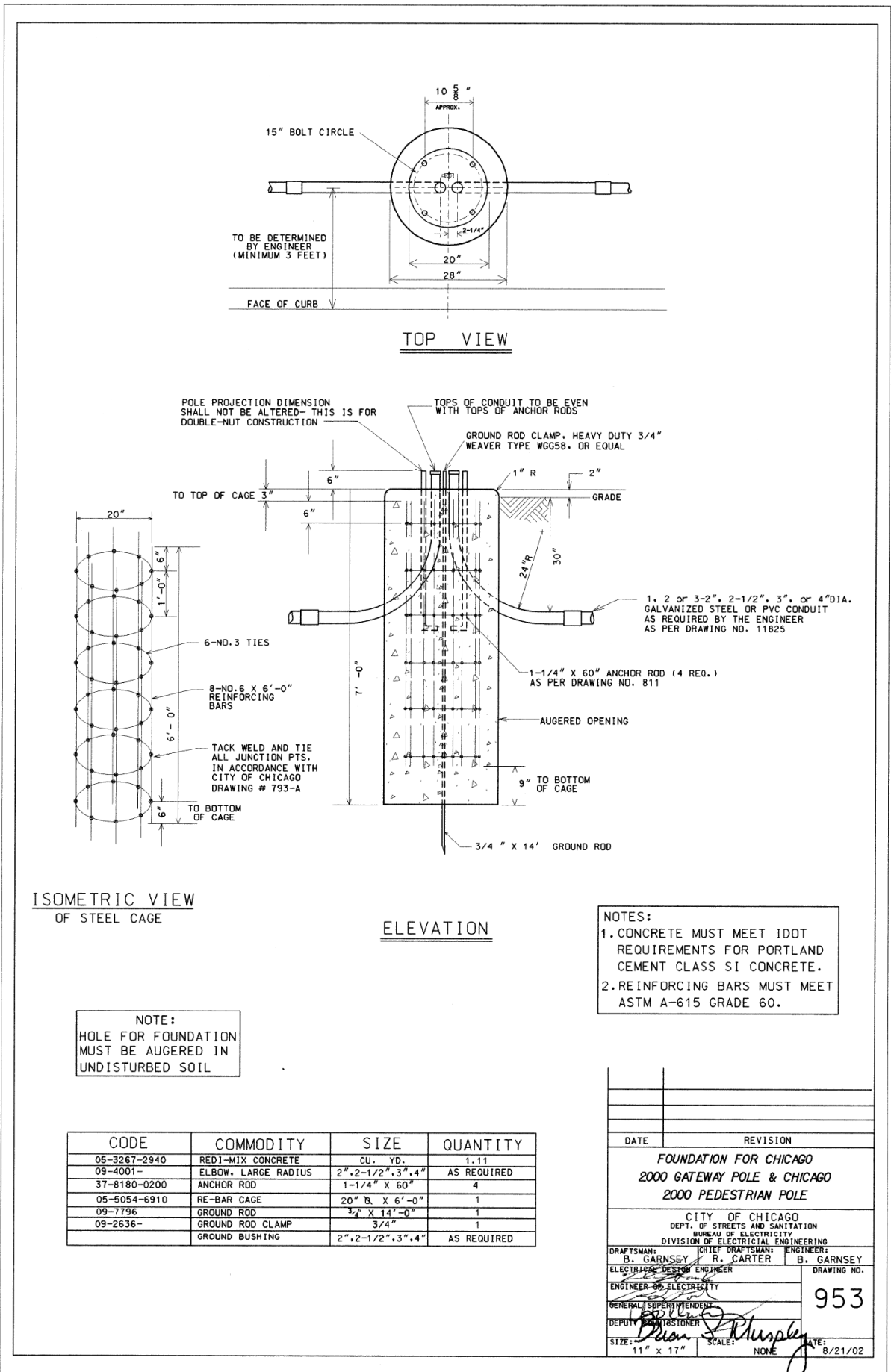
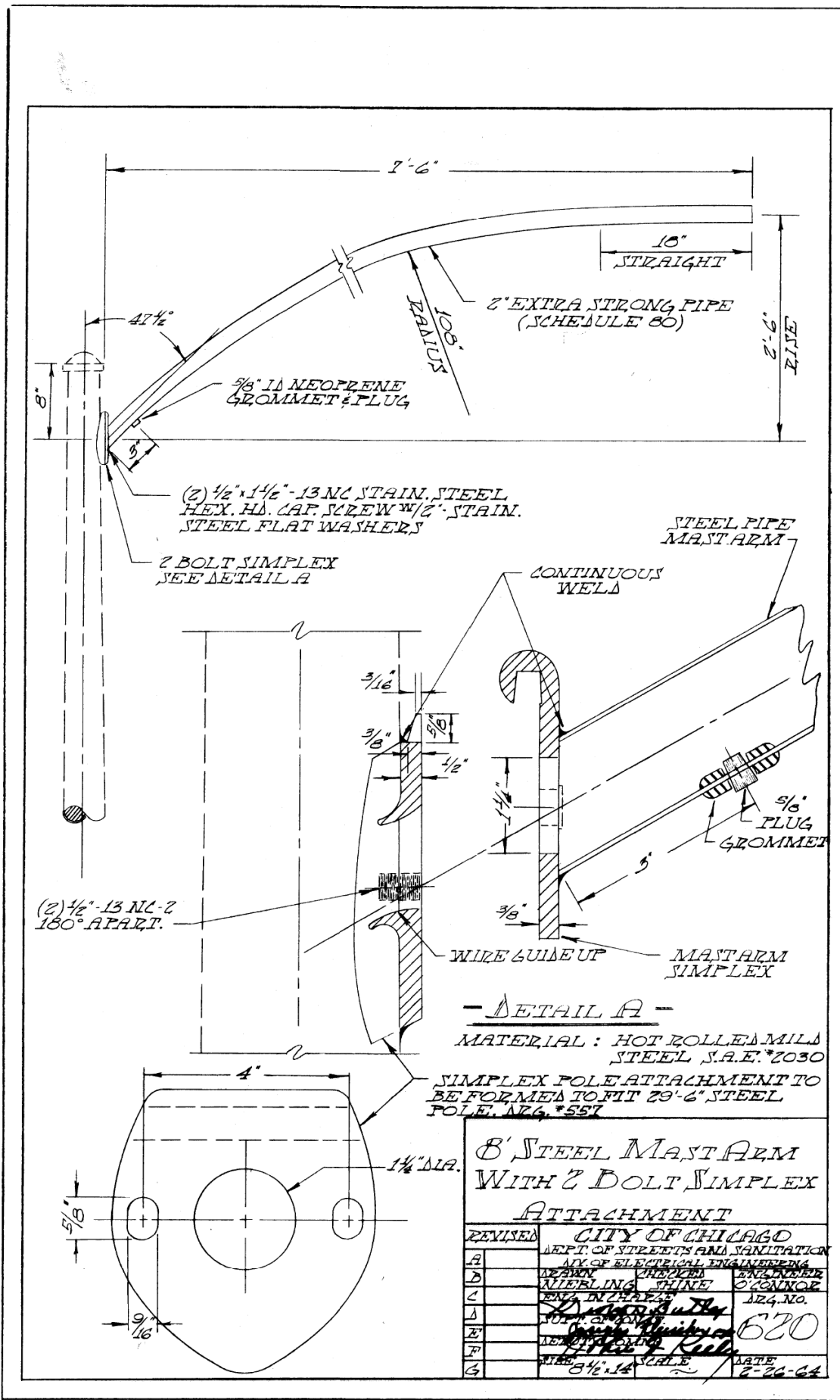
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**MISCELLANEOUS ELECTRICAL DETAILS**

SCALE: N.T.S. SHEET 11 OF 12 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2013-012R	COOK	385	179
CONTRACT NO. 60W30				
ILLINOIS FED. AID PROJECT				

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CODE	COMMODITY	SIZE	QUANTITY
05-3267-2940	REDI-MIX CONCRETE	CU. YD.	1.11
09-4001-	ELBOW, LARGE RADIUS	2", 2-1/2", 3", 4"	AS REQUIRED
37-8180-0200	ANCHOR ROD	1-1/4" X 60"	4
05-5054-6910	RE-BAR CAGE	20" X 6'-0"	1
09-7796	GROUND ROD	3/4" X 14'-0"	1
09-2636-	GROUND ROD CLAMP	3/4"	1
	GROUND BUSHING	2", 2-1/2", 3", 4"	AS REQUIRED

DATE	REVISION

FOUNDATION FOR CHICAGO  
2000 GATEWAY POLE & CHICAGO  
2000 PEDESTRIAN POLE

CITY OF CHICAGO  
DEPT. OF STREETS AND SANITATION  
BUREAU OF ELECTRICITY  
DIVISION OF ELECTRICAL ENGINEERING

DRAFTSMAN: B. GARNSEY  
ENGINEER: B. GARNSEY  
GENERAL SUPERVISOR: B. GARNSEY  
DEPUTY SUPERVISOR: B. GARNSEY

DATE: 8/21/02



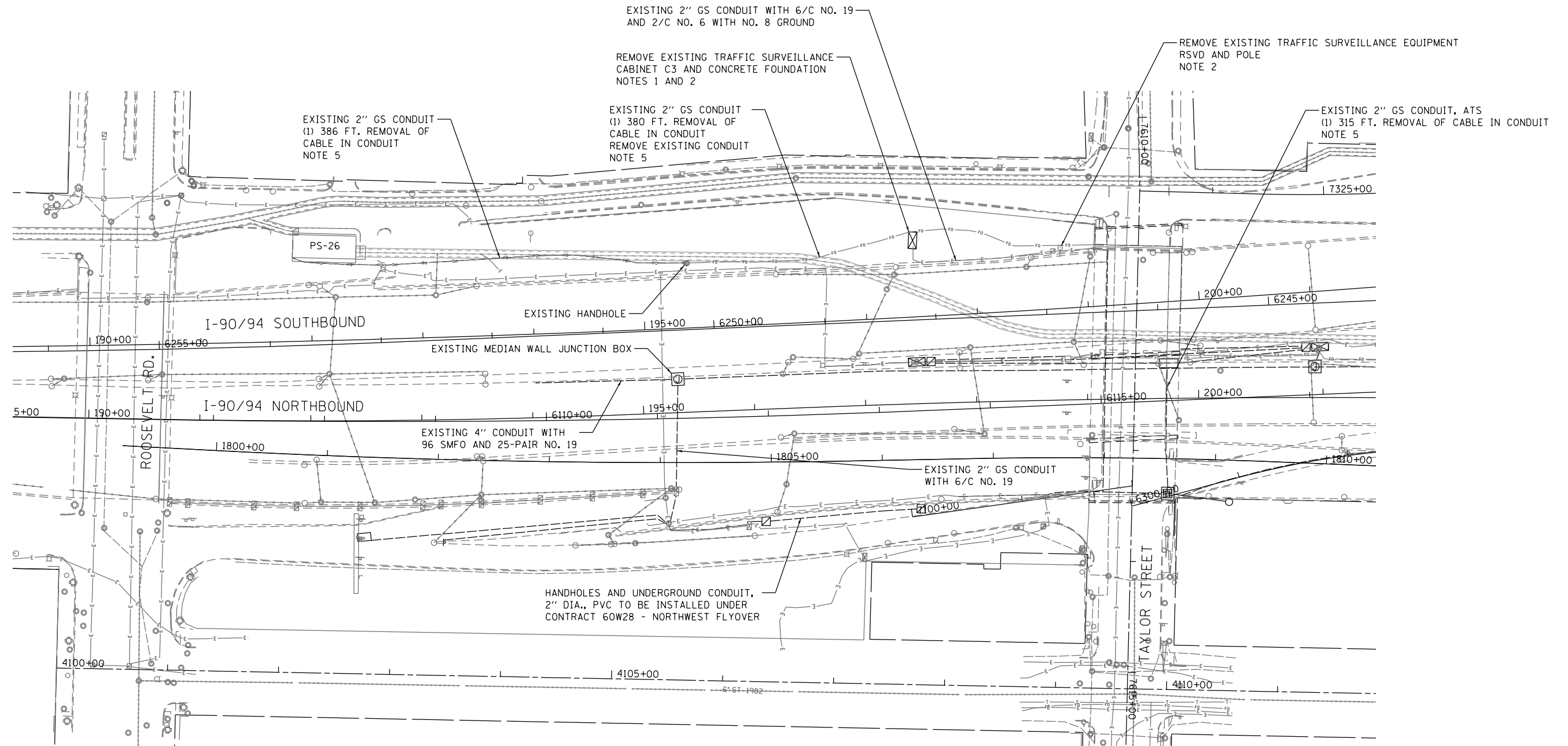
D160W30-sht-Light-12	DESIGNED - WDS	REVISED -
USER NAME = myersc	DRAWN - CAM	REVISED -
PLOT SCALE = 2.0000' / in.	CHECKED - WDS	REVISED -
PLOT DATE = 10/21/2014	DATE - 10/24/2014	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

MISCELLANEOUS ELECTRICAL DETAILS

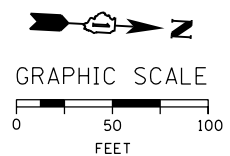
SCALE: N.T.S. SHEET 12 OF 12 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2013-012R	COOK	385	180
CONTRACT NO. 60W30				
ILLINOIS FED. AID PROJECT				



**NOTES**

1. REMOVE EXISTING TRAFFIC SURVEILLANCE EQUIPMENT CABINET C3 AFTER A NEW SURVEILLANCE CABINET, EQUIPMENT, AND MAINLINE INDUCTION LOOPS HAVE BEEN INSTALLED (SHEET ITS-04).
2. REMOVE EXISTING SURVEILLANCE EQUIPMENT (SALVAGE) CABINET C3, RSVD, AND ASSOCIATED EQUIPMENT AND TURN OVER TO IDOT DISTRICT 1. REMOVE EXISTING CABINET FOUNDATION. THIS WORK SHALL NOT BE PAID FOR SEPARATELY AND WILL BE COVERED UNDER THE "REMOVE EXISTING TRAFFIC SURVEILLANCE SYSTEM" PAY ITEM.
3. EXISTING TRAFFIC SURVEILLANCE POWER SERVICE AND COMMUNICATIONS CABLES ON TAYLOR STREET STRUCTURE TO BE ABANDONED AFTER COMPLETE INSTALLATION OF THE TEMPORARY ITS CABLE ROUTING (SHEET ITS-03).
4. EXISTING/REMOVAL ITS PLANS CONTINUED ON SHEET ITS-02.
5. REMOVAL OF THE EXISTING 12 SMFO CABLE FROM PUMP STATION 26 TO CABINET DMS-10 MUST BE COORDINATED WITH THE INSTALLATION OF TEMPORARY CABLES.
6. OTHER REMOVAL ITEMS ARE IDENTIFIED IN SHEET ITS-02 AND ITS-03.
7. THE EXISTING 24 MMFO CABLE FROM CABINET DMS-10 TO THE MEDIAN WALL JUNCTION BOX TO REMAIN. PER IDOT THIS CABLE IS UNTERMINATED.
8. A BUDGETARY ALLOWANCE HAS BEEN ESTABLISHED FOR THE CONTINUED OPERATION OF AN EXISTING TIME-LAPSE CAMERA. SEE SPECIAL PROVISIONS FOR DETAILS.



ITS-01

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D160W30-sht-ITS-01	DESIGNED - GWS	REVISED -
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PLOT DATE = 10/21/2014	DATE - 10/24/2014	REVISED -

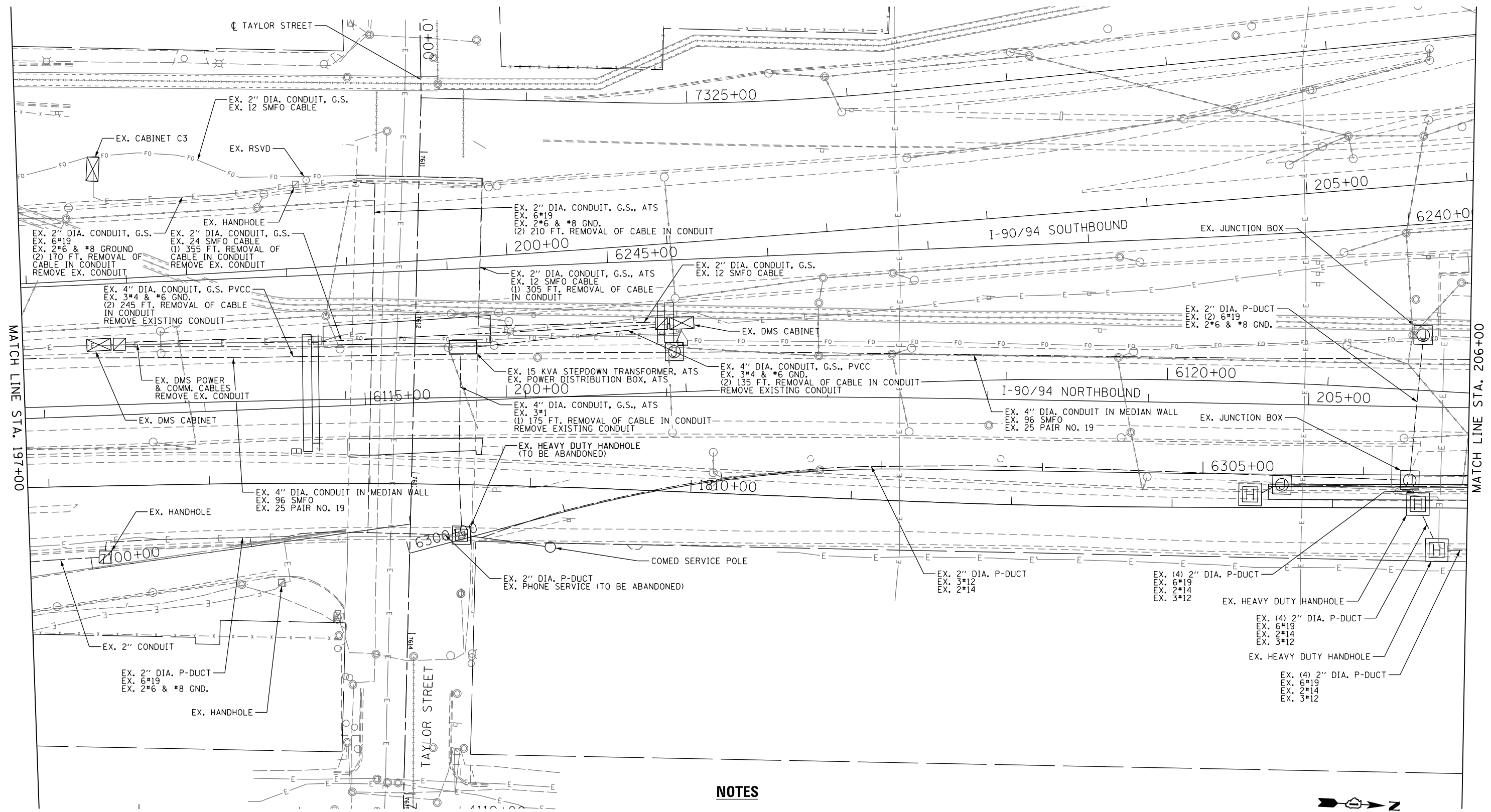
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

EXISTING/REMOVAL ITS PLAN  
ROOSEVELT ROAD TO TAYLOR STREET

SCALE: 1" = 50' SHEET 1 OF 8 SHEETS STA. TO STA.

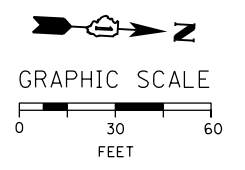
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2013-012R	COOK	385	181
CONTRACT NO. 60W30			ILLINOIS FED. AID PROJECT	

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**NOTES**

1. OTHER REMOVAL ITEMS ARE IDENTIFIED ON SHEET ITS-01 AND ITS-03.



ITS-02



D160W30-sh-ITS-02  
 USER NAME = myersc  
 PLOT SCALE = 60.0000' / in.  
 PLOT DATE = 10/23/2014

DESIGNED - GWS	REVISED -
DRAWN - CAM	REVISED -
CHECKED - JDG	REVISED -
DATE - 10/24/2014	REVISED -

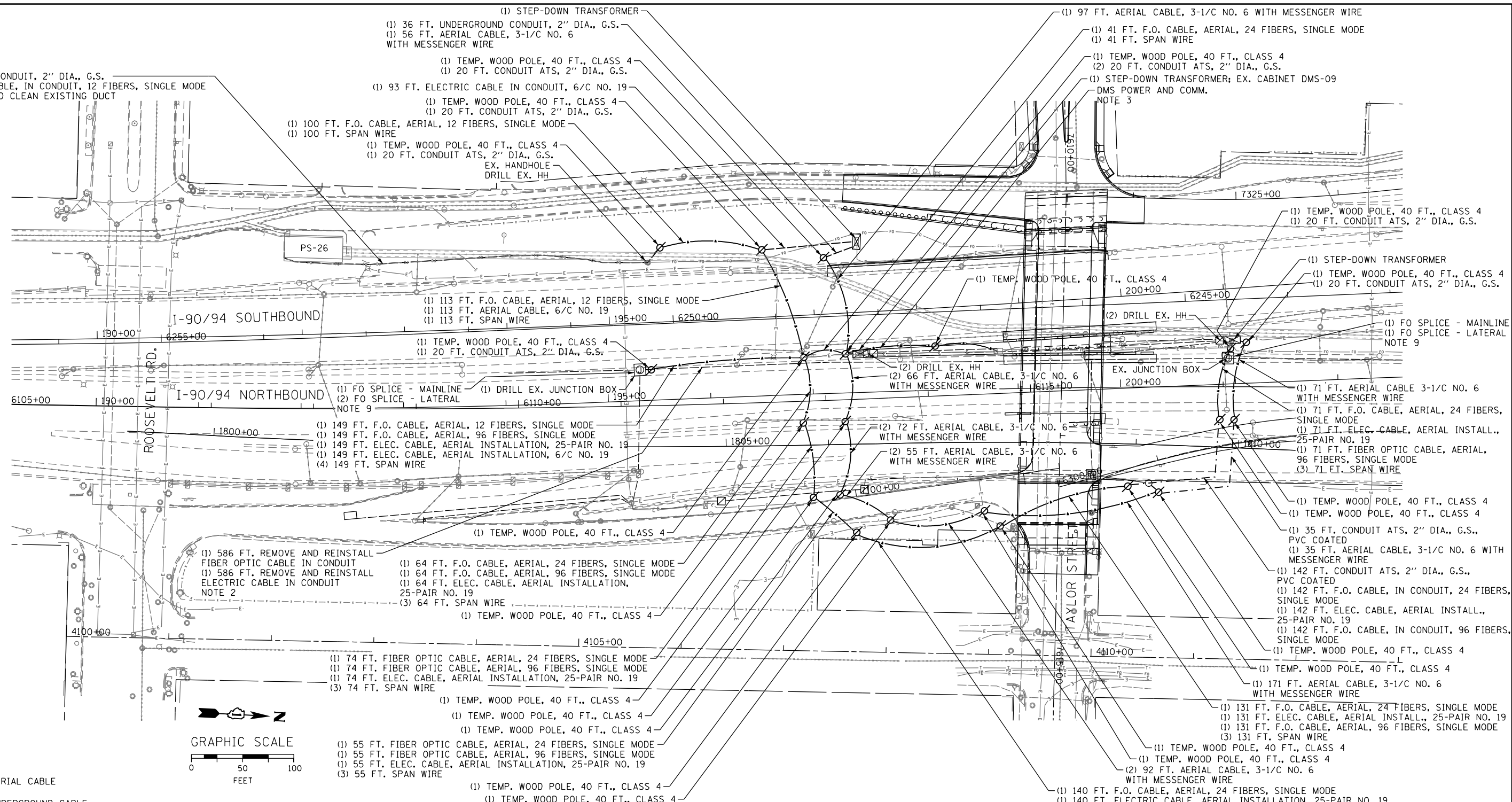
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**EXISTING/REMOVAL ITS PLAN  
 TAYLOR STREET TO POLK AVENUE**

SCALE: 1" = 30'    SHEET 2 OF 8 SHEETS    STA.    TO STA.

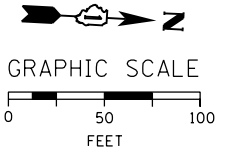
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2013-012R	COOK	385	182
CONTRACT NO. 60W30				
ILLINOIS FED. AID PROJECT				

EX. UNDERGROUND CONDUIT, 2" DIA., G.S.  
 (1) 386 FT. F.O. CABLE, IN CONDUIT, 12 FIBERS, SINGLE MODE  
 (1) 386 FT. ROD AND CLEAN EXISTING DUCT  
 NOTES 5 AND 9



**LEGEND**

A/C	AERIAL CABLE
U/G	UNDERGROUND CABLE
ATS	ATTACHED TO STRUCTURE
12 SMFO	PS-26 TO SPLICE IN JB SOUTH OF DMS-09 CABINET (AERIAL & UNDERGROUND)
24 SMFO	DMS-09 TO DMS-10 (AERIAL)
96 SMFO	BACKBONE IN EASTSIDE OF MEDIAN WALL (AERIAL)
6*19	25-PAIR #19 TO CABINET C3 (LOOP) (AERIAL & UNDERGROUND)
100-PR #19	BACKBONE IN EASTSIDE OF MEDIAN WALL (AERIAL)
3-1/2 NO. 6	POWER TO DMS-09 CABINET/POWER TO DMS-10 CABINET/POWER TO CABINET C3 (AERIAL & UNDERGROUND)
DMS POWER	POWER FROM DMS-09 CABINET TO DMS STRUCTURE (AERIAL)
DMS COMM	COMMUNICATIONS FROM DMS-09 TO DMS STRUCTURE (AERIAL)



**NOTES**

- PROVIDE A 20 FOOT LENGTH OF 2-INCH RIGID STEEL CONDUIT WITH WEATHERHEAD ATTACHED TO THE TEMPORARY WOOD POLES AT THE LOCATIONS SHOWN IN THE PLANS FOR ROUTING AERIAL CABLES TO CABINET/HANDHOLES. THE CONDUIT SHALL BE ATTACHED TO THE POLE USING 2-HOLE GALVANIZED CONDUIT STRAPS. THIS WORK WILL NOT BE PAID FOR SEPARATELY AND SHALL BE INCLUDED IN AND PAID FOR UNDER THE "CONDUIT ATTACHED TO STRUCTURE, 2" DIA., GALVANIZED STEEL" PAY ITEM.
- THE EXISTING 96 SMFO AND 25-PAIR NO. 19 BACKBONE CABLES IN THE MEDIAN WALL CONDUIT SHALL BE CUT AT THE MEDIAN WALL JUNCTION BOX NEAR THE DMS-10 CABINET. THE CABLES SHALL BE PULLED BACK TO THE MEDIAN WALL JUNCTION BOX NEAR STA. 195+15. AT THIS LOCATION THE CABLES SHALL BE SPLICED WITH THE TEMPORARY CABLES.
- REMOVE DMS POWER AND COMMUNICATION CABLES FROM EXISTING CONDUIT AND PULL BACK TO CABINET DMS-09 FOR RE-USE. REINSTALL THE CABLES ONTO TEMPORARY WOOD POLES AND REATTACH AERIALLY AT THE DMS STRUCTURE. THIS WORK WILL NOT BE PAID FOR SEPARATELY AND SHALL BE INCLUDED IN AND PAID FOR UNDER THE "MAINTAINING ITS DURING CONSTRUCTION" PAY ITEM.
- AERIAL CABLE MUST BE A MINIMUM (SAG) HEIGHT OF 20 FEET ABOVE THE ROADWAY SURFACE.
- REMOVAL OF ALL TEMPORARY FIBER OPTIC, COMMUNICATIONS, AND ELECTRIC CABLE SHALL BE PAID FOR UNDER THE "REMOVAL OF AERIAL CABLE" AND "REMOVAL OF CABLE IN CONDUIT" PAY ITEMS USING THE QUANTITIES IN THE PLANS SPECIFIED FOR TEMPORARY INSTALLATION.
- SEE SHEET ITS-08 FOR EXISTING FIBER OPTIC CABLE CONNECTION AT PUMP STATION 26.
- TEMPORARY WOOD POLE LOCATIONS ARE APPROXIMATE. CONTRACTOR TO AVOID EXISTING UNDERGROUND CONDUITS AND CABLES. PLACE WOOD POLES AND CABLES SO THAT ACCESS FOR BRIDGE CONSTRUCTION IS NOT IN CONFLICT.
- 20 FT. OF SLACK/EXTRA FOR ALL CABLES SHALL BE COILED AND ATTACHED TO EACH WOOD POLE. THE QUANTITY FOR SLACK IS NOT SHOWN ON THE PLANS BUT IS INCLUDED IN THE SUMMARY OF QUANTITIES.
- CONTRACTOR TO RE-SPLICE FIBER OPTIC AND COPPER COMMUNICATIONS CABLES USING THE SAME CONNECTIONS WHEN DISCONNECTED.

ITS-03



D160W30-sht-ITS-03	DESIGNED - GWS	REVISED -
USER NAME = myersc	DRAWN - CAM	REVISED -
PLOT SCALE = 100.0000' / 1"	CHECKED - JDG	REVISED -
PLOT DATE = 12/2/2014	DATE - 12/05/14	REVISED -

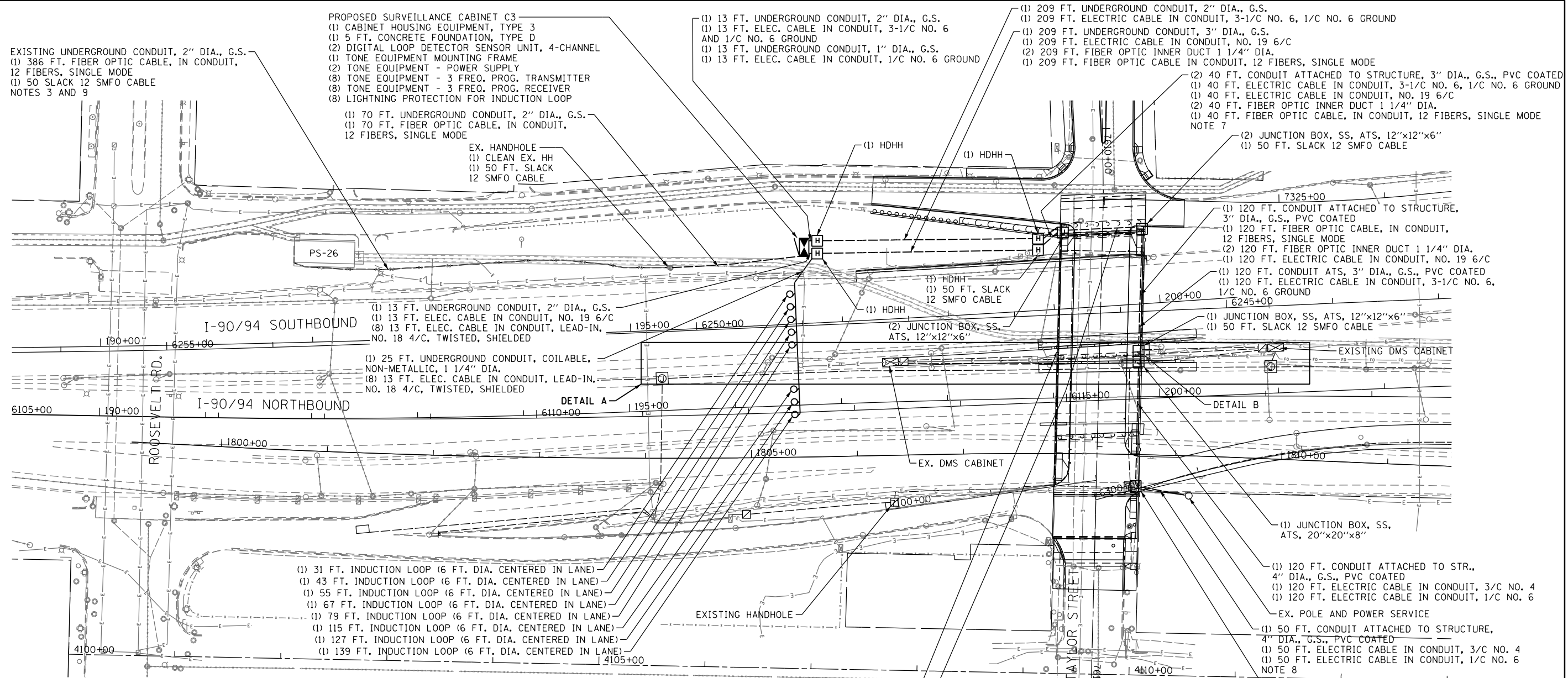
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**TEMPORARY ITS - CABLE ROUTING**

SCALE: 1" = 50' SHEET 3 OF 8 SHEETS STA. TO STA.

F.A.I. RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2013-012R	COOK	385	183
CONTRACT NO. 60W30				
ILLINOIS FED. AID PROJECT				

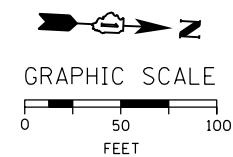
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**NOTES**

- 12 SMFO, 6/C NO. 19, AND POWER SERVICE (3-1/C NO. 6 AND 1/C NO. 6 GROUND) CABLES SHALL BE IN SEPARATE JUNCTION BOXES AND CONDUITS ATTACHED TO STRUCTURE.
- 12 SMFO, 6/C NO. 19, AND POWER SERVICE (3-1/C NO. 6 AND 1/C NO. 6 GROUND) CABLES SHALL BE IN SEPARATE HANDHOLES AND UNDERGROUND CONDUITS.
- SEE SHEET ITS-08 FOR 12 SMFO CABLE CONNECTION AT PUMP STATION 26.
- INSTALL NEW SURVEILLANCE CABINET, EQUIPMENT, AND MAINLINE INDUCTION LOOPS PRIOR TO REMOVAL OF THE EXISTING SURVEILLANCE CABINET. MUST COORDINATE WITH CONSTRUCTION OF RETAINING WALL 17.
- TRANSFER THE STEP-DOWN TRANSFORMER FROM THE EXISTING CABINET TO THE NEW CABINET. CONNECT NEW CABINET TO TEMPORARY POWER SERVICE AND COMMUNICATIONS CABLES. THIS WORK WILL NOT BE PAID FOR SEPARATELY AND SHALL BE INCLUDED AND PAID FOR UNDER THE "MAINTAINING ITS DURING CONSTRUCTION" PAY ITEM.
- USE THE 4" SLEEVE IN THE ABUTMENT WALL FOR 2" PVC CONDUIT FROM HANDHOLE TO JUNCTION BOX ATTACHED TO STRUCTURE.
- 2" DIA. CONDUITS ATTACHED TO STRUCTURE FROM THE JUNCTION BOXES ATTACHED TO STRUCTURE GO INTO THE GROUND MOUNTED HANDHOLES. THE SPARE 2" DIA. CONDUIT SHALL TERMINATE IN THE HANDHOLE WITH THE CONDUIT FOR THE NO. 19 6/C CABLE.
- THE 4" DIA. CONDUIT FROM THE EXISTING POWER SERVICE SHOULD BE ROUTED THROUGH THE EXISTING OPENING THROUGH THE RETAINING WALL UNDER THE TAYLOR ST. ENTRANCE RAMP.
- CONTRACTOR TO RE-SPLICE FIBER OPTIC AND COPPER COMMUNICATIONS CABLES USING THE SAME CONNECTIONS WHEN DISCONNECTED.
- 2" DIA. G.S. CONDUIT ATTACHED TO SOUTH SIDE OF THE STRUCTURE IS SPARE FOR FUTURE USE. CAP CONDUIT AT EACH END.

- (1) 240 FT. CONDUIT ATTACHED TO STRUCTURE, 2" DIA., G.S. PVC COATED  
NOTE 10
- (1) 75 FT. CONDUIT ATTACHED TO STR., 3" DIA., G.S., PVC COATED
- (1) 75 FT. FIBER OPTIC, IN CONDUIT, 12 FIBERS, SINGLE MODE
- (1) 75 FT. ELECTRIC CABLE IN CONDUIT, NO. 19 6/C
- (2) FIBER OPTIC INNER DUCT 1 1/4" DIA.
- (1) 75 FT. CONDUIT ATTACHED TO STRUCTURE, 2" DIA., G.S., PVC COATED
- (1) 75 FT. ELEC. CABLE IN CONDUIT, 3-1/C NO. 6, 1/C NO. 6 GROUND



ITS-04

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PLOT DATE = 12/2/2014	DATE - 12/05/14	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

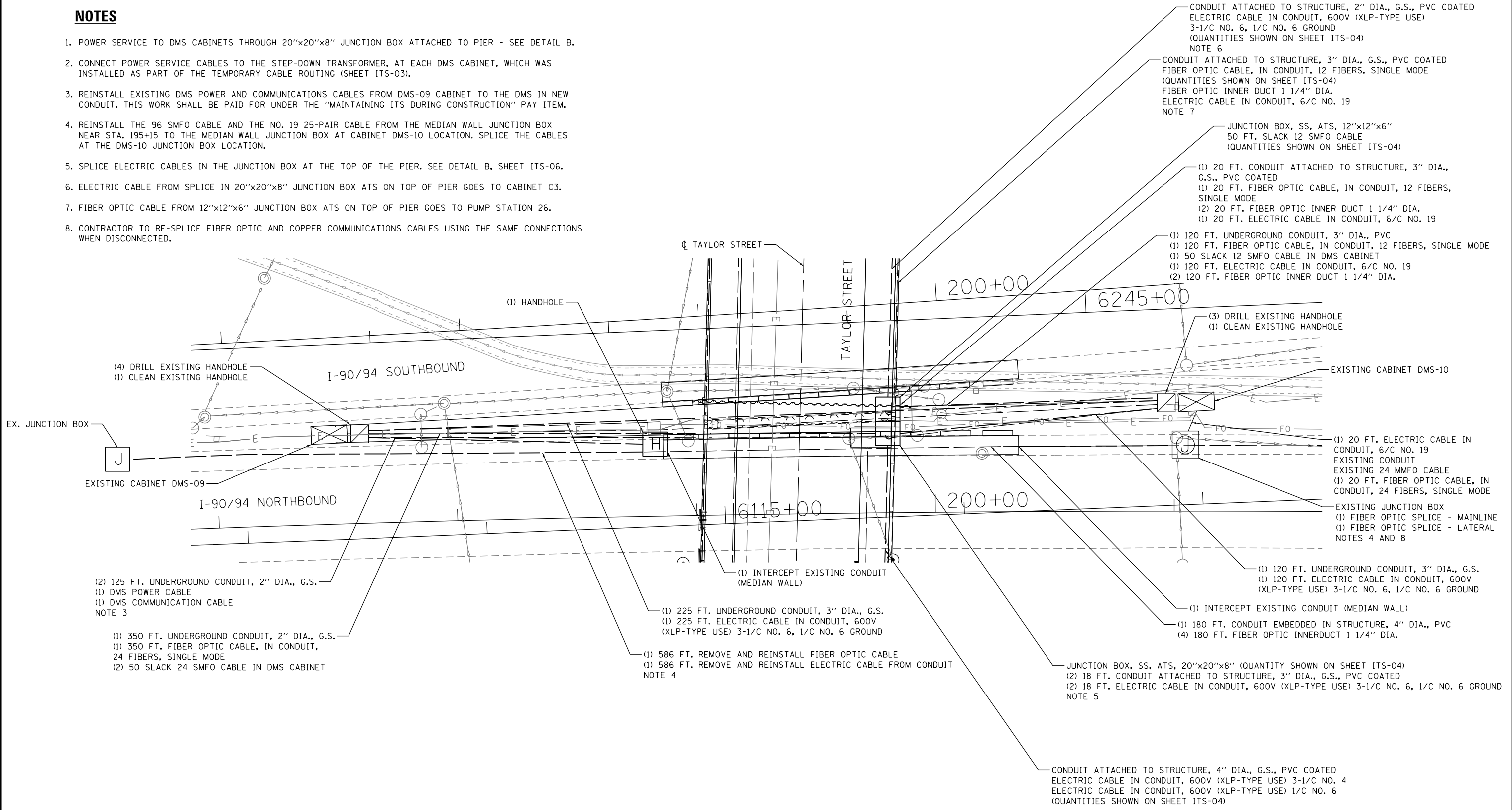
PROPOSED ITS PLAN  
TAYLOR STREET

SCALE: 1" = 50' SHEET 4 OF 8 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2013-012R	COOK	385	184
CONTRACT NO. 60W30				
ILLINOIS FED. AID PROJECT				

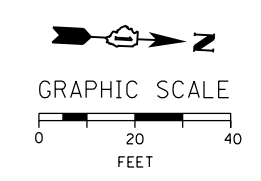
**NOTES**

- POWER SERVICE TO DMS CABINETS THROUGH 20"x20"x8" JUNCTION BOX ATTACHED TO PIER - SEE DETAIL B.
- CONNECT POWER SERVICE CABLES TO THE STEP-DOWN TRANSFORMER, AT EACH DMS CABINET, WHICH WAS INSTALLED AS PART OF THE TEMPORARY CABLE ROUTING (SHEET ITS-03).
- REINSTALL EXISTING DMS POWER AND COMMUNICATIONS CABLES FROM DMS-09 CABINET TO THE DMS IN NEW CONDUIT. THIS WORK SHALL BE PAID FOR UNDER THE "MAINTAINING ITS DURING CONSTRUCTION" PAY ITEM.
- REINSTALL THE 96 SMFO CABLE AND THE NO. 19 25-PAIR CABLE FROM THE MEDIAN WALL JUNCTION BOX NEAR STA. 195+15 TO THE MEDIAN WALL JUNCTION BOX AT CABINET DMS-10 LOCATION. SPLICE THE CABLES AT THE DMS-10 JUNCTION BOX LOCATION.
- SPLICE ELECTRIC CABLES IN THE JUNCTION BOX AT THE TOP OF THE PIER. SEE DETAIL B, SHEET ITS-06.
- ELECTRIC CABLE FROM SPLICE IN 20"x20"x8" JUNCTION BOX AT TOP OF PIER GOES TO CABINET C3.
- FIBER OPTIC CABLE FROM 12"x12"x6" JUNCTION BOX AT TOP OF PIER GOES TO PUMP STATION 26.
- CONTRACTOR TO RE-SPLICE FIBER OPTIC AND COPPER COMMUNICATIONS CABLES USING THE SAME CONNECTIONS WHEN DISCONNECTED.



- CONDUIT ATTACHED TO STRUCTURE, 2" DIA., G.S., PVC COATED ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 6, 1/C NO. 6 GROUND (QUANTITIES SHOWN ON SHEET ITS-04) NOTE 6
- CONDUIT ATTACHED TO STRUCTURE, 3" DIA., G.S., PVC COATED FIBER OPTIC CABLE, IN CONDUIT, 12 FIBERS, SINGLE MODE (QUANTITIES SHOWN ON SHEET ITS-04) FIBER OPTIC INNER DUCT 1 1/4" DIA. ELECTRIC CABLE IN CONDUIT, 6/C NO. 19 NOTE 7
- JUNCTION BOX, SS, ATS, 12"x12"x6" 50 FT. SLACK 12 SMFO CABLE (QUANTITIES SHOWN ON SHEET ITS-04)
- (1) 20 FT. CONDUIT ATTACHED TO STRUCTURE, 3" DIA., G.S., PVC COATED (1) 20 FT. FIBER OPTIC CABLE, IN CONDUIT, 12 FIBERS, SINGLE MODE (2) 20 FT. FIBER OPTIC INNER DUCT 1 1/4" DIA. (1) 20 FT. ELECTRIC CABLE IN CONDUIT, 6/C NO. 19
- (1) 120 FT. UNDERGROUND CONDUIT, 3" DIA., PVC (1) 120 FT. FIBER OPTIC CABLE, IN CONDUIT, 12 FIBERS, SINGLE MODE (1) 50 SLACK 12 SMFO CABLE IN DMS CABINET (1) 120 FT. ELECTRIC CABLE IN CONDUIT, 6/C NO. 19 (2) 120 FT. FIBER OPTIC INNER DUCT 1 1/4" DIA.
- (3) DRILL EXISTING HANDHOLE (1) CLEAN EXISTING HANDHOLE
- EXISTING CABINET DMS-10
- (1) 20 FT. ELECTRIC CABLE IN CONDUIT, 6/C NO. 19 EXISTING CONDUIT EXISTING 24 MMFO CABLE (1) 20 FT. FIBER OPTIC CABLE, IN CONDUIT, 24 FIBERS, SINGLE MODE EXISTING JUNCTION BOX (1) FIBER OPTIC SPLICE - MAINLINE (1) FIBER OPTIC SPLICE - LATERAL NOTES 4 AND 8
- (1) 120 FT. UNDERGROUND CONDUIT, 3" DIA., G.S. (1) 120 FT. ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 6, 1/C NO. 6 GROUND
- (1) INTERCEPT EXISTING CONDUIT (MEDIAN WALL)
- (1) 180 FT. CONDUIT EMBEDDED IN STRUCTURE, 4" DIA., PVC (4) 180 FT. FIBER OPTIC INNERDUCT 1 1/4" DIA.
- JUNCTION BOX, SS, ATS, 20"x20"x8" (QUANTITY SHOWN ON SHEET ITS-04) (2) 18 FT. CONDUIT ATTACHED TO STRUCTURE, 3" DIA., G.S., PVC COATED (2) 18 FT. ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 6, 1/C NO. 6 GROUND NOTE 5
- CONDUIT ATTACHED TO STRUCTURE, 4" DIA., G.S., PVC COATED ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 4 ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6 (QUANTITIES SHOWN ON SHEET ITS-04)

- (2) 125 FT. UNDERGROUND CONDUIT, 2" DIA., G.S. (1) DMS POWER CABLE (1) DMS COMMUNICATION CABLE NOTE 3
- (1) 350 FT. UNDERGROUND CONDUIT, 2" DIA., G.S. (1) 350 FT. FIBER OPTIC CABLE, IN CONDUIT, 24 FIBERS, SINGLE MODE (2) 50 SLACK 24 SMFO CABLE IN DMS CABINET
- (1) 225 FT. UNDERGROUND CONDUIT, 3" DIA., G.S. (1) 225 FT. ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 6, 1/C NO. 6 GROUND
- (1) 586 FT. REMOVE AND REINSTALL FIBER OPTIC CABLE (1) 586 FT. REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT NOTE 4
- (1) INTERCEPT EXISTING CONDUIT (MEDIAN WALL)



ITS-05

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PLOT DATE = 12/2/2014	DATE - 12/05/14	REVISED -

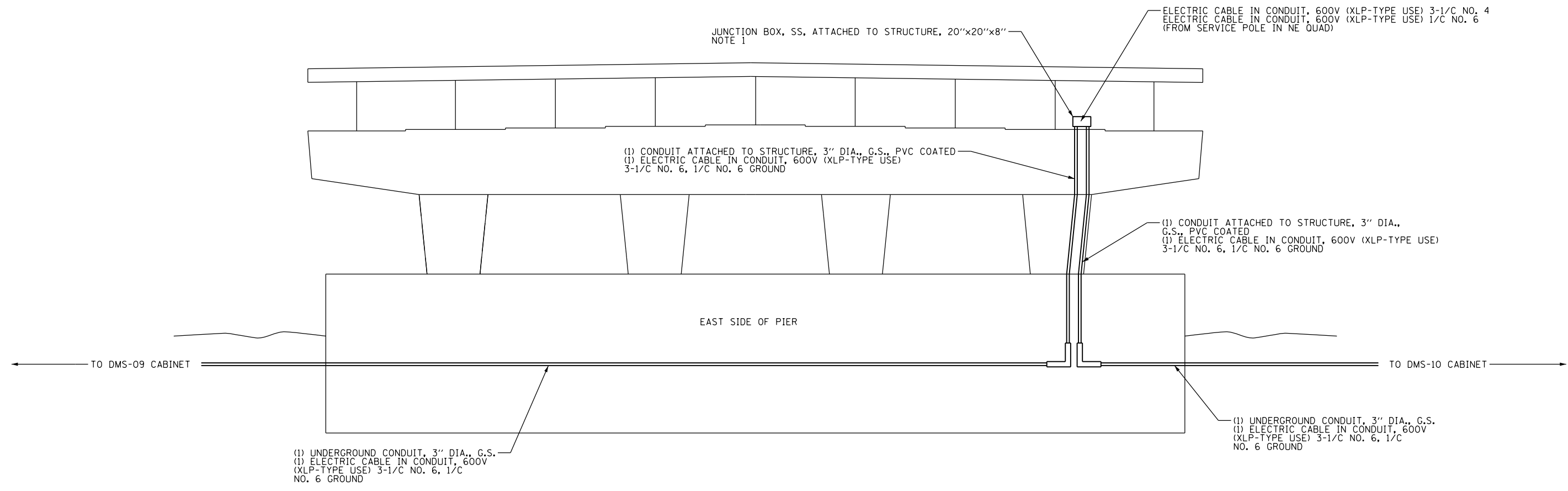
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ITS DETAIL A  
TAYLOR STREET**

SCALE: 1" = 20' SHEET 5 OF 8 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2013-012R	COOK	385	185
CONTRACT NO. 60W30				
ILLINOIS FED. AID PROJECT				

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**POWER DISTRIBUTION ATTACHED TO PIER 1 – FACING WEST**

**NOTES**

1. SPLICE CABLES IN JUNCTION BOX ATTACHED TO THE TOP OF THE PIER.

ITS-06



D160W30-sht-ITS-06	DESIGNED - GWS	REVISED -
USER NAME = myersc	DRAWN - CAM	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED - JDG	REVISED -
PLOT DATE = 12/2/2014	DATE - 12/05/14	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ITS DETAIL B  
TAYLOR STREET**

SCALE: N.T.S. SHEET 6 OF 8 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2013-012R	COOK	385	186
CONTRACT NO. 60W30			ILLINOIS FED. AID PROJECT	



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CABLE	FROM - TO	TUBE	FIBER	ASSIGNED TO	NOTES
24 SMF	DMS-10 - MEDIAN BARRIER	BROWN	1	PS SCADA	NORTH TO HALSTEAD HUT
			2	PS SCADA	
			3	PS SCADA	
			4	PS SCADA	
			5	DARK	
			6	DARK	
			7	DARK	
			8	DARK	
			9	UIC SERVERS	SOUTH TO I-55 HUT
			10	UIC SERVERS	
			11	DARK	
			12	POLK AIS CAMERA	
			13	PS SCADA	
			14	PS SCADA	
			15	PS SCADA	
			16	DMS TO I-55 SHELTER	
			17	DMS TO I-55 SHELTER	
			18	DARK	
			19	DARK	
			20	DARK	
			21	DARK	
			22	DARK	
			23	UIC ROOF CAMERAS	
			24	UIC ROOF CAMERAS	

CABLE	FROM - TO	TUBE	FIBER	ASSIGNED TO	NOTES
12 SMF	PS-26 - DMS-10		1	PS SCADA	
			2	PS SCADA	
			3	PS SCADA	
			4	PS SCADA	
			5		
			6		
			7		
			8		
			9	UIC SERVERS	
			10	UIC SERVERS	
			11	UIC ROOF CAMERAS	
			12	UIC ROOF CAMERAS	

CABLE	FROM - TO	TUBE	FIBER	ASSIGNED TO	NOTES
24 SMF	DMS-10 - DMS-9		1	DMS-9	
			2	DMS-9	
			3		
			4		
			5		
			6		
			7		
			8		
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			23		
			24		

**NOTES**

- FIBER OPTIC CABLE ASSIGNMENTS PER IDOT. CONFIRM ALL FIBER ASSIGNMENTS AND CONNECTIONS WITH IDOT DISTRICT 1. TSC PRIOR TO DISCONNECTION, INSTALLATION, OR SPLICING WORK.



D160W30-sht-ITS-07  
 USER NAME = myersc  
 PLOT SCALE = 40.0000' / in.  
 PLOT DATE = 10/21/2014

DESIGNED - GWS  
 DRAWN - CAM  
 CHECKED - JDG  
 DATE - 10/24/2014

REVISED -  
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 REVISED -  
 REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

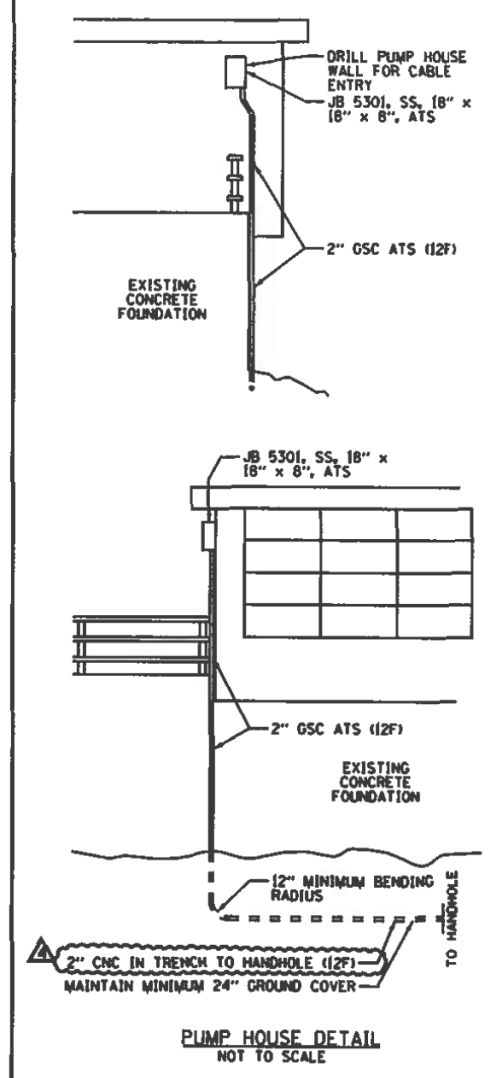
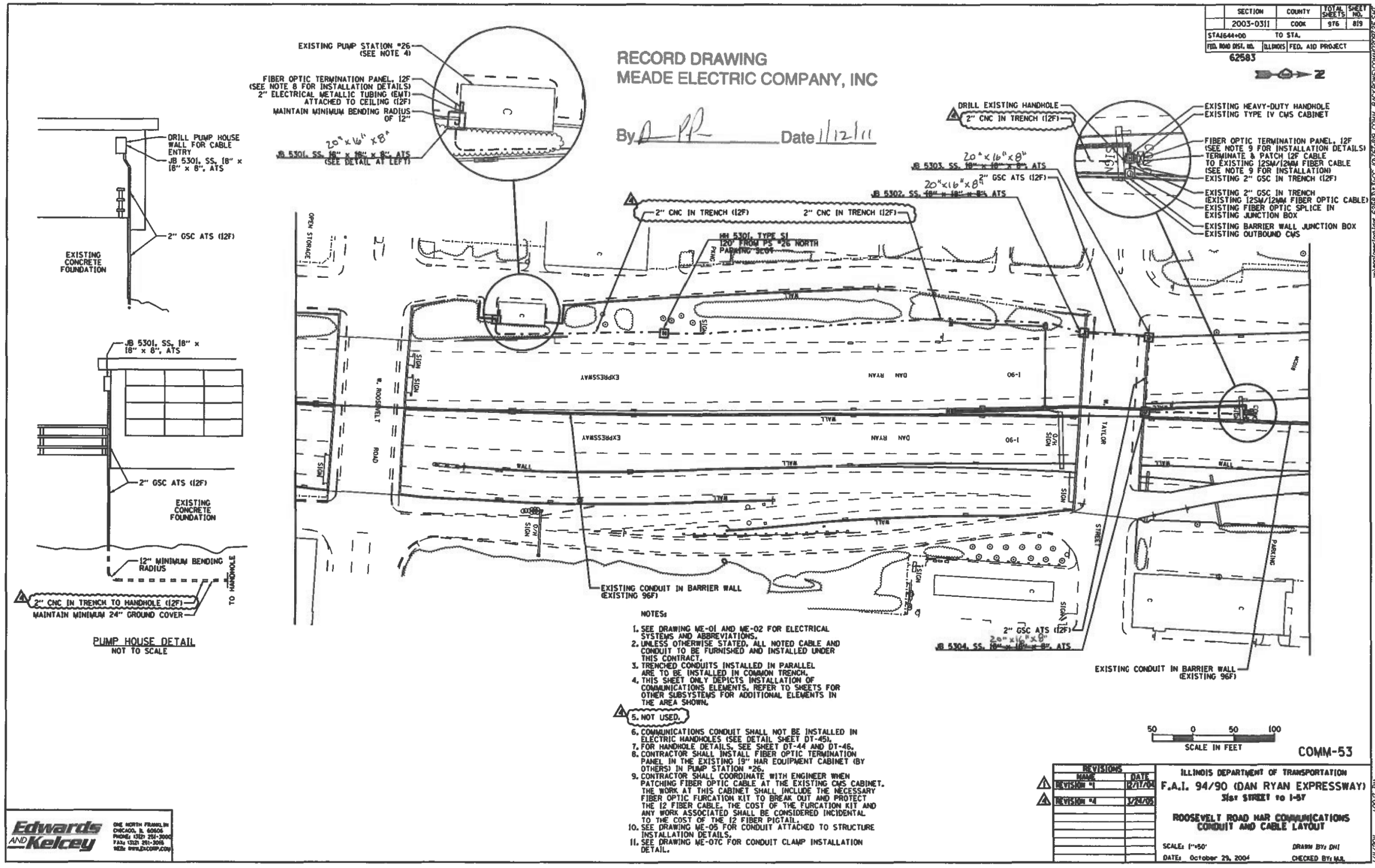
TAYLOR STREET  
 FIBER OPTIC CABLE ASSIGNMENTS  
 SCALE: N.T.S. SHEET 7 OF 8 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2013-012R	COOK	385	187
CONTRACT NO. 60W30			ILLINOIS FED. AID PROJECT	

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2003-0311	COOK	976	819
STAJ644+00 TO STA.			
ILLINOIS FED. AID PROJECT			
62583			

**RECORD DRAWING**  
**MEADE ELECTRIC COMPANY, INC**

By *PP* Date *11/21/11*



- NOTES:**
- SEE DRAWING ME-01 AND ME-02 FOR ELECTRICAL SYSTEMS AND ABBREVIATIONS.
  - UNLESS OTHERWISE STATED, ALL NOTED CABLE AND CONDUIT TO BE FURNISHED AND INSTALLED UNDER THIS CONTRACT.
  - TRENCHED CONDUITS INSTALLED IN PARALLEL ARE TO BE INSTALLED IN COMMON TRENCH.
  - THIS SHEET ONLY DEPICTS INSTALLATION OF COMMUNICATIONS ELEMENTS, REFER TO SHEETS FOR OTHER SUBSYSTEMS FOR ADDITIONAL ELEMENTS IN THE AREA SHOWN.
  - NOT USED.
  - COMMUNICATIONS CONDUIT SHALL NOT BE INSTALLED IN ELECTRIC HANDHOLES (SEE DETAIL SHEET DT-45).
  - FOR HANDHOLE DETAILS, SEE SHEET DT-44 AND DT-46.
  - CONTRACTOR SHALL INSTALL FIBER OPTIC TERMINATION PANEL IN THE EXISTING 19\"/>



REVISIONS	
NO.	DATE
REVISION #1	12/1/09
REVISION #4	1/21/08

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**F.A.I. 94/90 (DAN RYAN EXPRESSWAY)**  
 31st STREET TO I-57  
**ROOSEVELT ROAD MAR COMMUNICATIONS CONDUIT AND CABLE LAYOUT**  
 SCALE: 1"=50'  
 DATE: October 29, 2004  
 DRAWN BY: DHI  
 CHECKED BY: MJB

**Edwards AND Kelcey**  
 ONE NORTH FRANKLIN  
 CHICAGO, IL 60606  
 PHONE (312) 251-3000  
 FAX (312) 251-3010  
 WEB: WWW.EDK.COM

FILE PATH = p:\388035-p\mtd\p\aed\040\Documents\01\_Americas\Transportation\62583\31-CC\_10767-895\COMM\_BACKBONE\COMM020912E-SHT  
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D160W30-sht-ITS-08	DESIGNED - GWS	REVISED -
USER NAME = myersc	DRAWN - CAM	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED - JDG	REVISED -
PLOT DATE = 10/21/2014	DATE - 10/24/2014	REVISED -

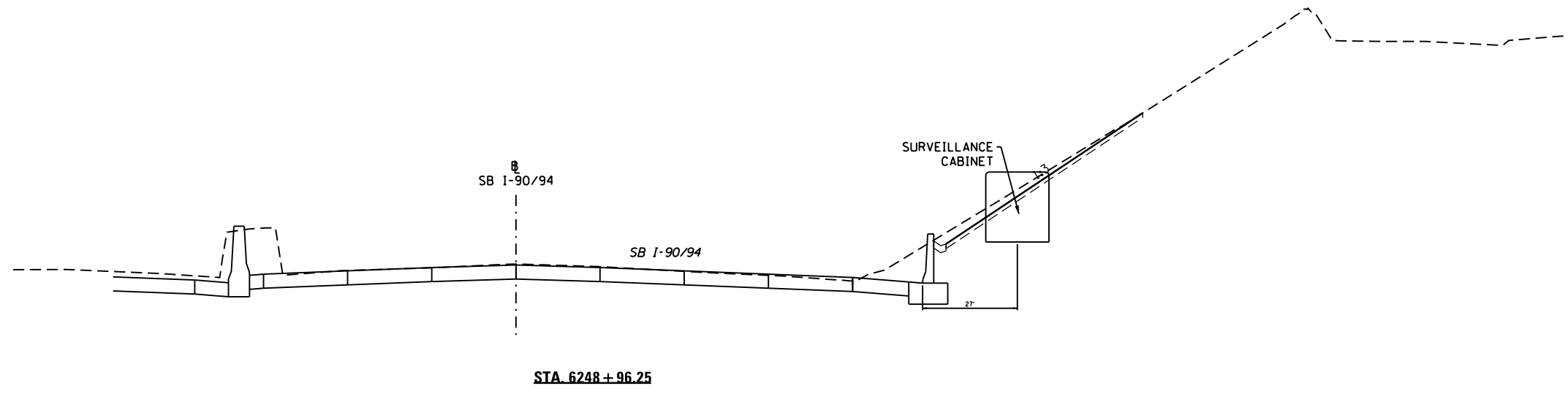
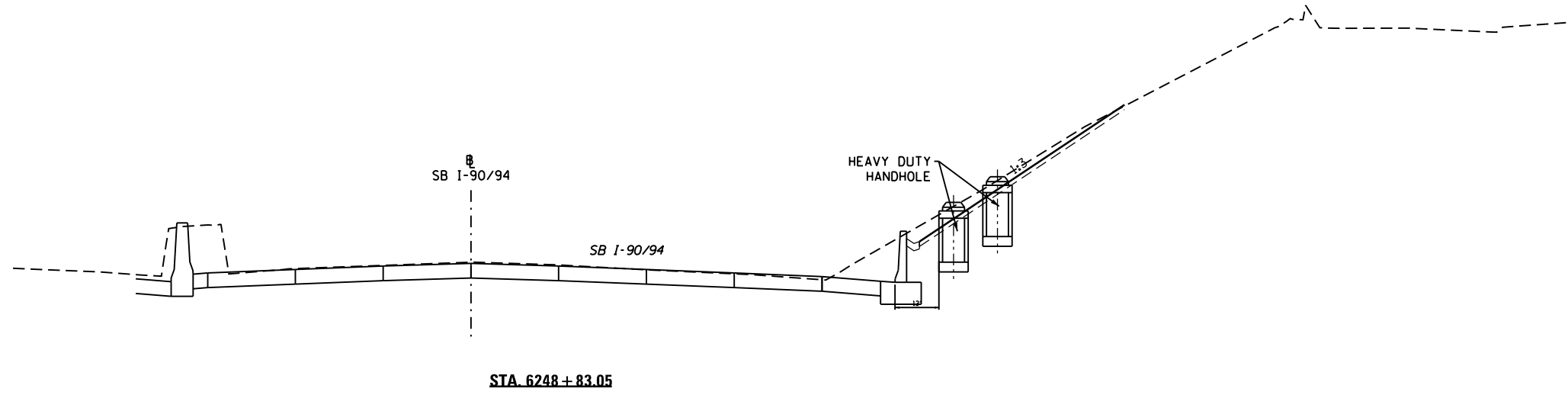
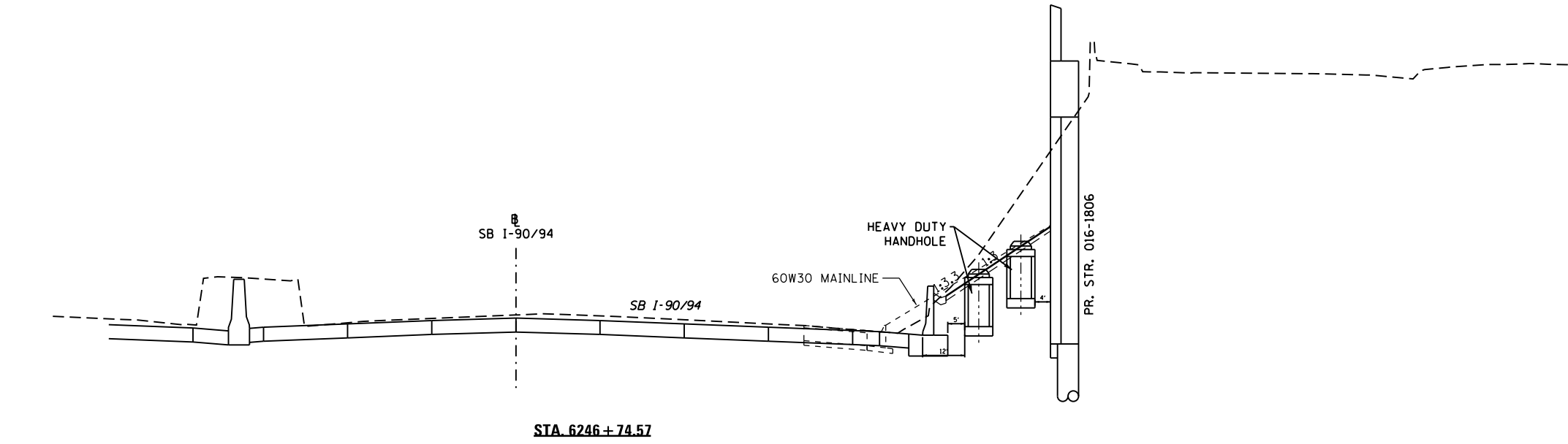
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**RECORD DRAWING OF PS-26 TO DMS-10**  
 SCALE: N.T.S. SHEET 8 OF 8 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2013-012R	COOK	385	188
CONTRACT NO. 60W30				ILLINOIS FED. AID PROJECT

ITS-08

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ITS-08A



D160W30-sht-ITS-09  
 USER NAME = myersc  
 PLOT SCALE = 40.0000' / in.  
 PLOT DATE = 12/2/2014

DESIGNED - GWS	REVISED -
DRAWN - CAM	REVISED -
CHECKED - JDG	REVISED -
DATE - 12/05/14	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

ITS DETAIL C - TAYLOR STREET

SCALE: N.T.S. SHEET 8A OF 8 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2013-012R	COOK	385	188A
CONTRACT NO. 60W30			ILLINOIS FED. AID PROJECT	

Benchmark: Cut square on Jaywalk at north line of Taylor Street, approximately 100' west of Des Plaines Street and 3' above walk (opposite traffic signal). Elevation 596.30.

Existing Structure: S.N. 016-1165 was originally constructed in 1960 as a two-span structure carrying two lanes of eastbound and two lanes of westbound Taylor Street over I-90/94 (Dan Ryan Expressway) (F.A.I. Route 94 Project, Section S-2626.2-3B). In 1986, the bridge length was increased from 207'-1 1/2" to 272'-3" (back-of-abutment to back-of-approach bent). The bridge span lengths were increased and an additional pier was added to increase the number of main spans to three (93'-8" / 74'-0" / 59'-4"). One 40'-0" vaulted span was also added at the east end. The overall out-to-out deck width is 80'-0". The existing superstructure consists of a 7/8" reinforced concrete deck on W36 steel beams and the vaulted approach consists of a reinforced concrete deck on 36" PPC I-beams. The existing substructure consists of two reinforced concrete wall type piers on caissons, a standard closed abutment on steel piles, and a vaulted abutment on caissons. The vaulted approach bent is supported on steel piles. This structure will be removed and replaced. Vehicular and pedestrian traffic will be maintained utilizing staged construction. The Taylor St. to I-90/94 NB Entrance Ramp (located to the north) must be closed during construction and scheduling of the work should coincide with Stage I Construction of this structure (S.N. 016-1165).

**DESIGN SPECIFICATIONS**

2012 AASHTO LRFD Bridge Design Specifications, 6th Edition With 2013 Interim Revisions

**SEISMIC DATA**

Seismic Performance Zone (SPZ) = 1  
Design Spectral Acceleration at 1.0 sec. (S<sub>D1</sub>) = 0.061g  
Design Spectral Acceleration at 0.2 sec. (S<sub>D5</sub>) = 0.108g  
Soil Site Class = C

**LOADING HL-93**

Allow 50#/sq. ft. for future wearing surface.

**DESIGN STRESSES**

**FIELD UNITS**

f<sub>c</sub> = 3,500 psi  
f<sub>y</sub> = 60,000 psi (Reinforcement)  
f<sub>y</sub> = 50,000 psi (M270 Grade 50)  
f<sub>y</sub> = 36,000 psi (M270 Grade 36)  
**PRECAST PRESTRESSED UNITS**  
f<sub>c</sub> = 6,000 psi  
f<sub>ci</sub> = 5,000 psi  
f<sub>pu</sub> = 270,000 psi (1/2" low lax strands)  
f<sub>psi</sub> = 202,000 psi (1/2" low lax strands)

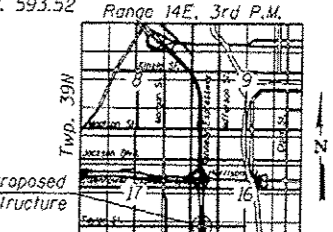
**EXISTING UNITS**

f<sub>c</sub> = 3,500 psi  
f<sub>y</sub> = 60,000 psi (Reinforcement)

**LEGEND:**

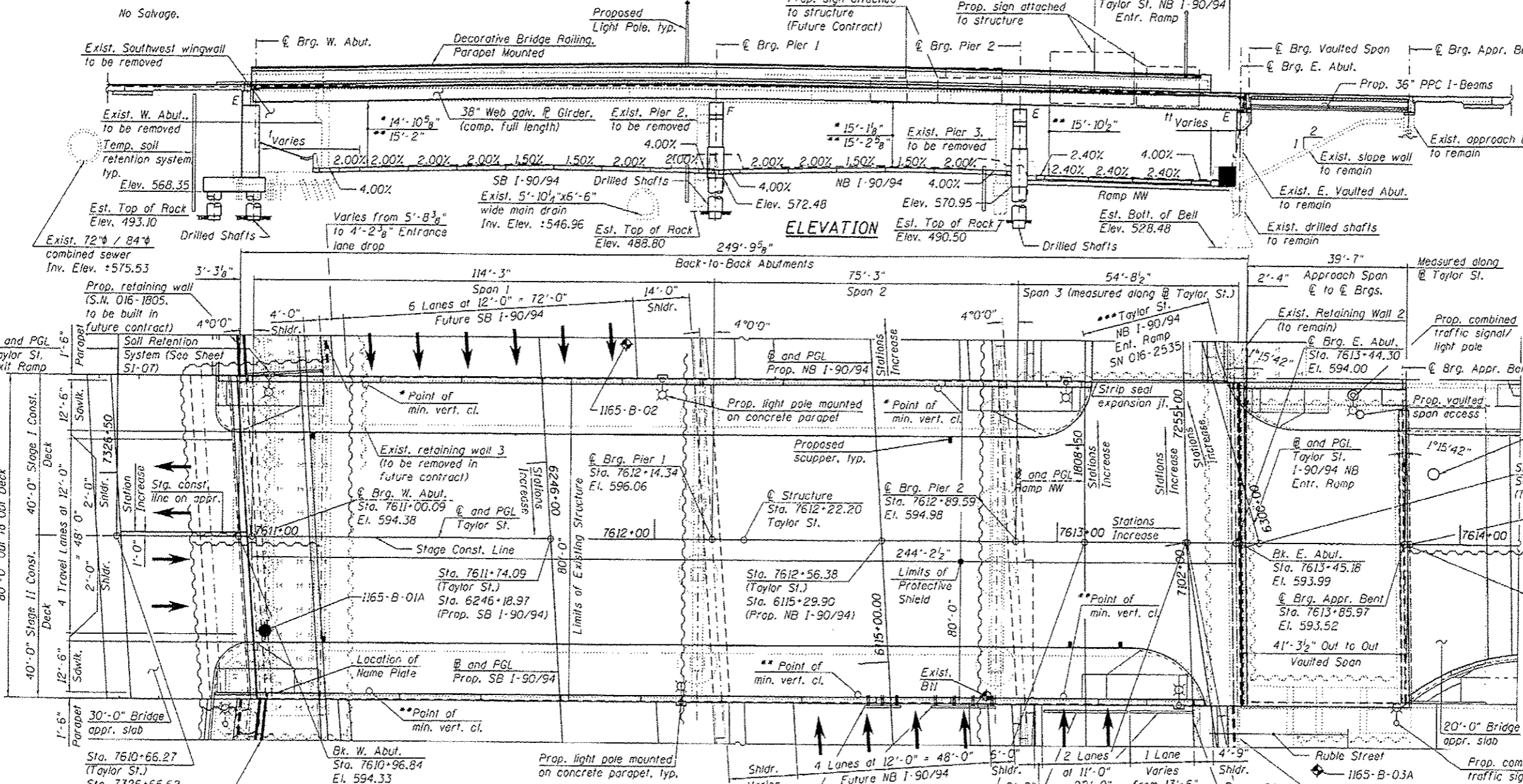
- Soil Boring
- Temporary Soil Retention System
- Prop. Light Pole or Comb. Traffic Signal/Light Pole
- Exist. Traffic Signal/Light Pole (To Be Removed)

- Electrical/traffic signal manhole
- 1165-B-03C
- Sta. 7613+50.13 (Taylor St.)
- Sta. 6300+00.00 (Taylor St. NB I-90/94 Entr. Ramp)
- Bk. Appr. Bent
- Sta. 7613+87.35
- El. 593.51
- El. 594.00
- El. 594.00
- El. 593.99
- El. 593.52
- El. 593.52



**LOCATION SKETCH**

**GENERAL PLAN & ELEVATION**  
**TAYLOR STREET OVER**  
**F.A.I. RTE. 90/94**  
**(DAN RYAN EXPRESSWAY)**  
**F.A.I. RTE. 90/94 - SECTION 2013-012R**  
**COOK COUNTY**  
**STATION 7612+22.20**  
**STRUCTURE NO. 016-1165**



**NOTES:**

1. For General Notes, Index of Sheets and Total Bill of Material, see Sheet S1-02.
2. For Profile Grade Lines, see Sheet S1-03.
3. Utilities are not shown for clarity. For Utility Plan, see Sheet S1-04.
4. For Temporary Soil Retention System details, see Sheets S1-07 thru S1-09.

**SCUPPER LOCATION**

Station	Offset
7611+15.00	26.00' LT
7611+18.00	26.00' RT
7612+73.00	26.00' LT
7613+03.41	26.00' RT
7613+16.00	26.00' RT

- \* Interim Min. Vert. Cl.
- \*\* Final Min. Vert. Cl.
- \*\*\* To be rehabilitated in this contract (Contract 60W30)
- 1 Varies from 18'-11 3/4" at South to 17'-6 3/4" at North.
- 11 Varies from 2'-6 3/8" at South to 3'-10 7/8" at North.

**APPROVED**  
For Structural Adequacy Only  
*Moussa A. Issa*  
Engineer of Bridges & Structures



Signed *Moussa A. Issa*  
Moussa A. Issa, HBH II. Lic. No. 081-005738  
Expires 11-30-2016

Date **12/17/2014** For Sheets S1-01 Thru S1-63  
(Total of 75 Sheets)

**HBM**  
4415 WEST HAMILTON ST.  
CHICAGO, ILL. 60642  
CONSULTING & DESIGN  
PROFESSIONAL ENGINEERING & ARCHITECTURE  
RESEARCH & TESTING

DESIGNED - MAF, JJS  
DRAWN - MAF, JJS  
CHECKED - ME, MAI  
DATE - 10/24/2014

REVISOR  
REVISOR  
REVISOR  
REVISOR

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**STRUCTURE NO. 016-1165**  
SCALE: SHEET S1-01 OF S1-63 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2013-012R	COOK	385	189

ILLINOIS FED. AID PROJECT CONTRACT NO. 60W30

**GENERAL NOTES**

- Fasteners shall be ASTM A325 Type 1, hot dipped galvanized bolts. Bolts 7/8 in. φ, holes 15/16 in. φ, unless otherwise noted. See special provisions for hot dip galvanizing for structural steel.
- Calculated weight of Structural Steel = 716,630 lbs, AASHTO M270 Grade 50.  
Calculated weight of Structural Steel = 73,700 lbs, AASHTO M270 Grade 36.
- All structural steel shall be hot-dip galvanized. Cost included with Furnishing & Erecting Structural Steel. See Special Provisions for Hot Dip Galvanizing of Structural Steel.
- Expansion joint plates and attached bars shall be shop painted with the inorganic zinc rich primer.
- No field welding is permitted except as specified in the contract documents.
- Reinforcement bars designated (E) shall be epoxy coated.
- Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.
- Bearing seat surfaces shall be constructed or adjusted to the designated elevations within a tolerance of 1/8 inch (0.01 ft.). Adjustment shall be made either by grinding the surface or by shiming the bearings.
- Concrete Sealer shall be applied to the designated areas of the piers, abutments and wingwalls.
- The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project.
- For conduit attached to structure and embedded in structure quantities and details, see Civil and Electrical Plans.
- For Light Support System, see Electrical Plans.
- The Contractor shall exercise extreme caution during construction to make certain that construction activities, live load surcharge, structure excavation, drilling shafts and other loads applied will not have detrimental effects on the 5'-10 1/4"x6'-6" main drain (near Pier 1) and 72"/84" φ combined sewer (at west approach). Any damage to the main drain or combined sewer during construction shall be repaired by the Contractor at his expense at no charge to IDOT.
- Slipforming of the parapet is not allowed.
- Limited groundwater elevation data is available in the boring logs. In addition, groundwater may also be present in deeper granular layers. The groundwater may rise in the shafts to an elevation above the top of granular layers. The Contractor shall consider this information when choosing construction methods. The contractor will not be compensated for issues related to the groundwater elevation.
- Piezometer installed at Sta. 6234+43.99, Offset 102' RT; the groundwater is measured at elevation 549.55.

**INDEX OF SHEETS**

- SI-01 General Plan and Elevation
- SI-02 General Notes, Index of Sheets, and Total Bill of Material
- SI-03 Profile Grade Lines
- SI-04 Utility Plan
- SI-05 Stage Construction (Sheet 1 of 3)
- SI-06 Stage Construction (Sheet 2 of 3)
- SI-06A Stage Construction (Sheet 3 of 3)
- SI-07 Substructure Layout
- SI-08 Temporary Soil Retention System Details (Sheet 1 of 2)
- SI-09 Temporary Soil Retention System Details (Sheet 2 of 2)
- SI-10 Existing Structure Removal Plan and Elevation
- SI-11 Existing Structure Removal - West Abutment
- SI-12 Existing Structure Removal - East Abutment
- SI-13 Existing Structure Removal - Piers 2 and 3
- SI-14 Temporary Concrete Barrier
- SI-15 Top of Slab Elevation Locations
- SI-15A Slab Thickness
- SI-16 Top of Slab Elevations (Sheet 1 of 3)
- SI-17 Top of Slab Elevations (Sheet 2 of 3)
- SI-18 Top of Slab Elevations (Sheet 3 of 3)
- SI-18A Top of Slab Elevation Locations - Vaulted Span
- SI-18B Top of Slab Elevations - Vaulted Span
- SI-19 Top of West Approach Slab Elevations
- SI-20 Top of East Approach Slab Elevations
- SI-21 Deck Plan
- SI-22 Deck Cross Section
- SI-23 ADA Ramp Sections and Details
- SI-24 Parapet Elevations and Details
- SI-25 Deck Cross Sections, Details and Bill of Material
- SI-25A Deck Plan and Cross Section - Vaulted Span
- SI-25B Diaphragm Details - Vaulted Span
- SI-25C Deck Sections and Details - Vaulted Span
- SI-26 West Approach Slab Plan
- SI-27 West Approach Slab Sections and Details
- SI-28 East Approach Slab Plan
- SI-29 East Approach Slab Sections and Details
- SI-30 Decorative Railing Parapet Mounted Details
- SI-31 Bridge Fence Railing, Parapet Mounted
- SI-32 Expansion Joint Details
- SI-33 Bridge Drainage System
- SI-34 Drainage Scupper, DS-11
- SI-35 Framing Plan and Girder Elevation
- SI-36 Girder Moment and Reaction Tables
- SI-37 Structural Steel Details (Sheet 1 of 2)
- SI-38 Structural Steel Details (Sheet 2 of 2)
- SI-39 Camber Diagram and Top of Web Elevations Table
- SI-39A Framing Plan - Vaulted Span
- SI-39B 36" PPC I-Beam - Vaulted Span
- SI-39C 36" PPC I-Beam Details - Vaulted Span
- SI-40 Elastomeric Bearing Type I
- SI-41 Elastomeric Bearing Type I and Fixed Bearing
- SI-42 West Abutment Plan and Elevation
- SI-43 West Abutment Footing Plan and Sections
- SI-44 West Abutment Sections and Details (Sheet 1 of 2)
- SI-45 West Abutment Sections and Details (Sheet 2 of 2)
- SI-46 West Abutment Architectural Details
- SI-47 East Abutment Plan and Elevation
- SI-48 East Abutment Footing Plan and Sections
- SI-49 East Abutment Sections and Details (Sheet 1 of 2)
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- SI-52 Pier 1 Plan and Elevation
- SI-53 Pier 1 Sections and Details
- SI-54 Pier 1 Architectural Details
- SI-55 Pier 2 Plan and Elevation
- SI-56 Pier 2 Sections and Details
- SI-57 Pier 2 Architectural Details
- SI-58 Bar Splicer Assembly and Mechanical Splicer Details
- SI-59 Boring Logs I
- SI-60 Boring Logs II
- SI-61 Boring Logs III
- SI-62 Boring Logs IV
- SI-62A Boring Logs V
- SI-62B Boring Logs VI
- SI-63 Boring Logs VII

**TOTAL BILL OF MATERIAL**

ITEM	UNIT	SUPER.	SUB.	TOTAL QUANTITY
Removal of Existing Structures No. 1	EACH	1	-	1
Protective Shield	SQ YD	2,171	-	2,171
Structure Excavation	CU YD	-	3,042	3,042
Concrete Structures	CU YD	-	810.2	810.2
Rubbed Finish	SQ FT	2,083	6,730	8,813
Concrete Superstructure	CU YD	1,172.6	-	1,172.6
Bridge Deck Grooving	SQ YD	2,149	-	2,149
Form Liner Textured Surface	SQ FT	-	610	610
Protective Coat	SQ YD	3,170	-	3,170
Furnishing and Erecting Precast Prestressed Concrete I-Beams, 36"	FOOT	528	-	528
Furnishing and Erecting Structural Steel	L. SUM	1	-	1
Stud Shear Connectors	EACH	12,495	-	12,495
Reinforcement Bars	POUND	-	223,920	223,920
Reinforcement Bars, Epoxy Coated	POUND	248,330	149,090	397,420
Bridge Fence Railing	FOOT	41	-	41
Bar Splicers	EACH	1,127	471	1,598
Name Plates	EACH	1	-	1
Drilled Shaft in Soil	CU YD	-	897	897
Drilled Shaft in Rock	CU YD	-	26	26
Preformed Joint Strip Seal	FOOT	160	-	160
Elastomeric Bearing Assembly, Type I	EACH	42	-	42
Anchor Bolts, 1"	EACH	28	-	28
Anchor Bolts, 1 1/4"	EACH	28	-	28
Anchor Bolts, 1 1/2"	EACH	56	-	56
Concrete Sealer	SQ FT	-	10,339	10,339
Geocomposite Wall Drain	SQ YD	-	187	187
Frames and Lids, Type I, Closed Lid	EACH	1	-	1
Decorative Railing (Parapet Mounted)	FOOT	478	-	478
Crosshole Sonic Logging	EACH	-	3	3
Soil Retention System	SQ FT	-	486	486
Foundation Construction at Existing Obstructions	EACH	-	14	14
Granular Backfill for Structures	CU YD	-	659	659
Drainage Scuppers, DS-11	EACH	5	-	5
Drainage System	L. SUM	1	-	1
Pipe Underdrains For Structures 4"	FOOT	-	92	92
Temporary Soil Retention System	SQ FT	-	6,858	6,858
Louvers	EACH	2	-	2

STA. 7612+22.20  
BUILT 2015 BY  
STATE OF ILLINOIS  
FAI RTE 90/94 SEC. 2013-012R  
LOADING HL-93  
STRUCTURE. NO. 016-1165

**NAME PLATE**

See Std. 515001

Locate Name Plate at the front face of parapet at the Southwest Corner.

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**HBM**  
ENGINEERING GROUP, LLC.  
CONSULTING & DESIGN  
INSPECTION & RATING  
RESEARCH & TESTING

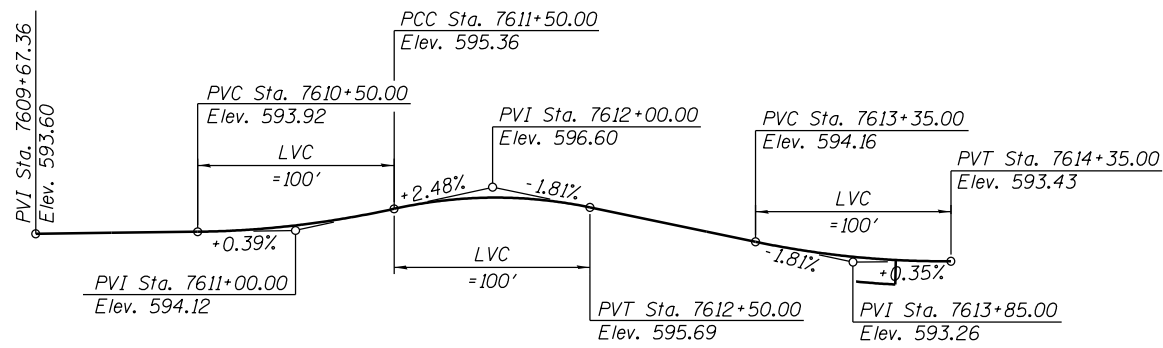
4415 WEST HARRISON ST.  
SUITE 231  
HILLSIDE, IL 60162  
PHONE: (708) 236-0900  
FAX: (708) 236-0901

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PLOT DATE = 12/16/2014	DATE - 10/24/2014	REVISED

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>GENERAL NOTES, INDEX OF SHEETS, AND TOTAL BILL OF MATERIAL</b>	
<b>STRUCTURE NO. 016-1165</b>	
SCALE:	SHEET SI-02 OF SI-63 SHEETS
STA.	TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2013-012R	COOK	385	190
CONTRACT NO. 60W30			ILLINOIS FED. AID PROJECT	



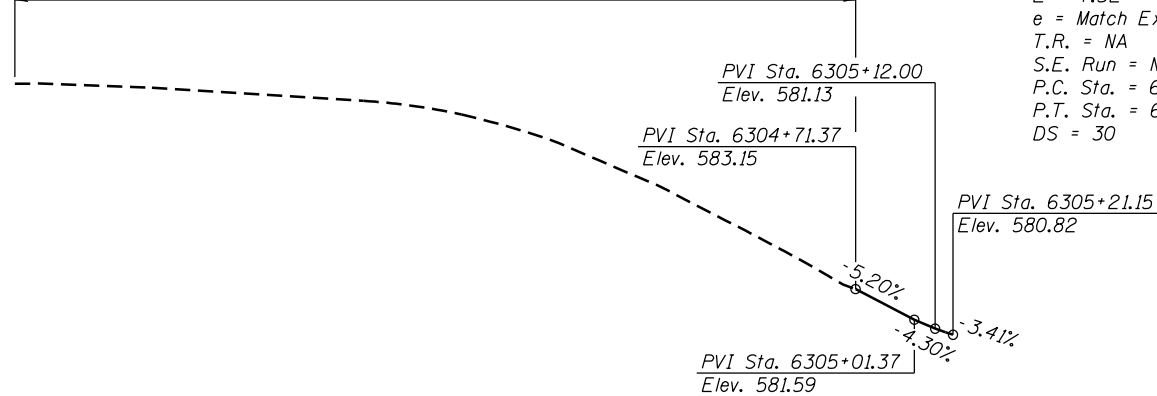
**PROFILE GRADE**

(along @ Taylor St.)

**CURVE DATA**

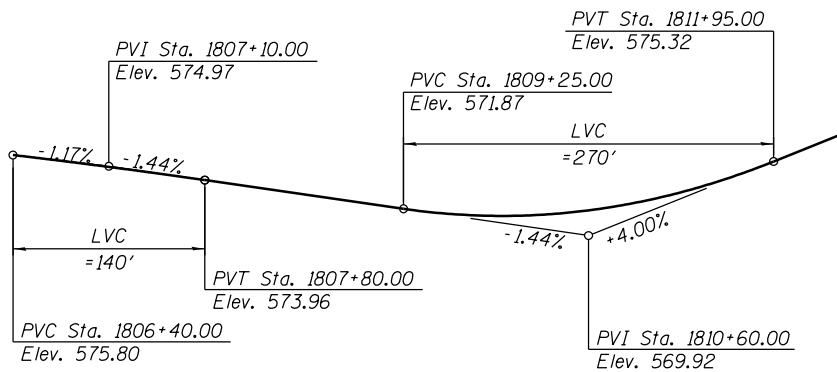
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 (Prop. Curve P-TAY-NT-1)  
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 $D = 7^\circ 16' 15''$   
 $R = 788.01'$   
 $T = 109.15$   
 $L = 216.92'$   
 $E = 7.52'$   
 $e =$  Match Existing  
 T.R. = NA  
 S.E. Run = NA  
 P.C. Sta. = 6300+99.68  
 P.T. Sta. = 6303+16.59  
 $DS = 30$

LIMITS OF BRIDGE DECK SCARIFICATION AND OVERLAY



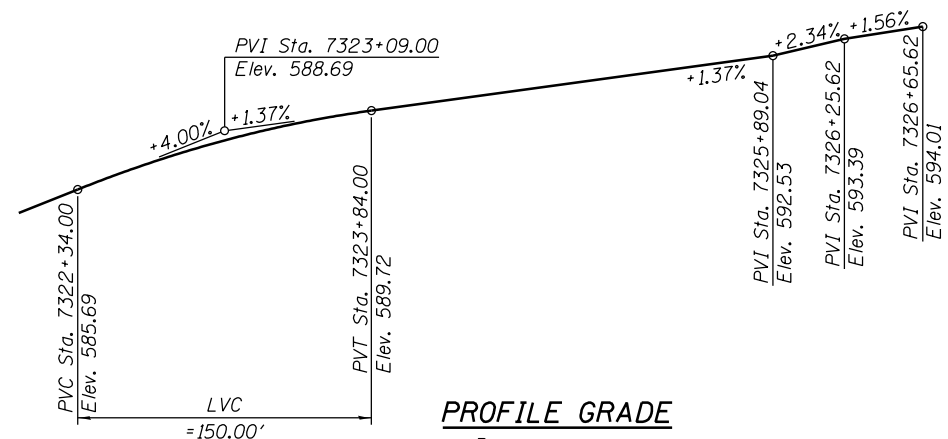
**PROFILE GRADE**

(along @ Taylor St. to I-90/94 NB Entrance Ramp)



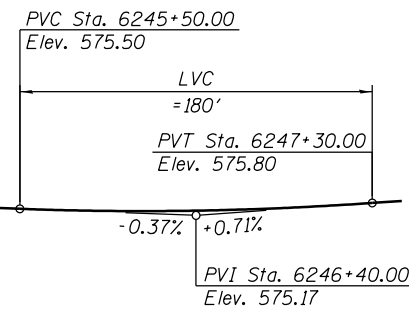
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(along @ Interim Ramp NW)



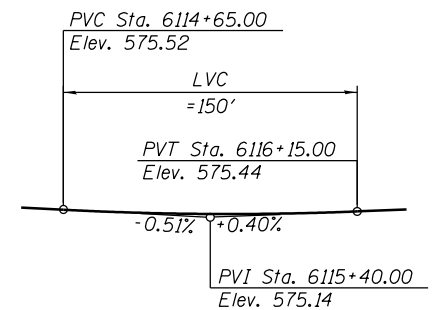
**PROFILE GRADE**

(along @ Taylor St. Exit Ramp)



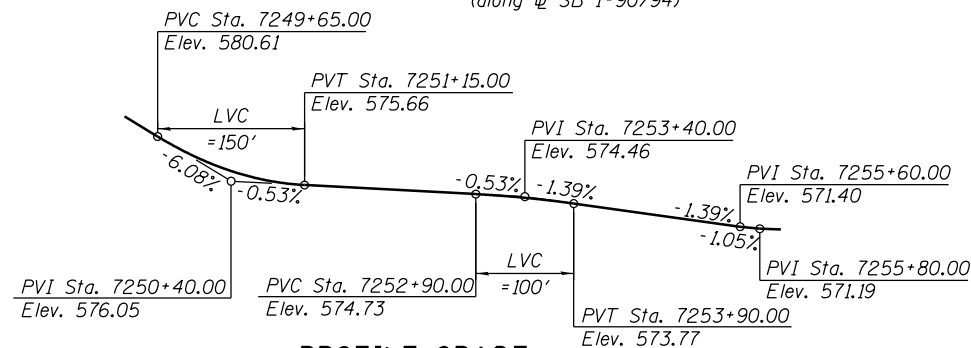
**PROFILE GRADE**

(along @ SB I-90/94)



**PROFILE GRADE**

(along @ NB I-90/94)

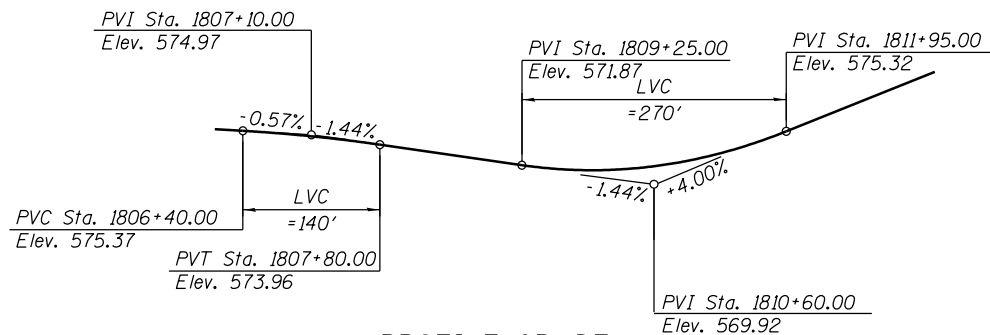


**PROFILE GRADE**

(along @ Roosevelt Rd NB Entrance Ramp)

**CURVE DATA**

(Roosevelt Rd. NB Entrance Ramp)  
 (Prop. Curve P-ROS-NT-2)  
 P.I. Sta. = 7254+60.00  
 $\Delta = 3^\circ 28' 54''$  (RT)  
 $D = 1^\circ 13' 48''$   
 $R = 4,658.00'$   
 $T = 141.57'$   
 $L = 283.05'$   
 $E = 2.15'$   
 $e = 2.4'$   
 T.R. = 48'  
 S.E. Run = 106'  
 P.C. Sta. = 7253+18.44  
 P.T. Sta. = 7256+01.49  
 $DS = 50$



**PROFILE GRADE**

(along @ Ramp NW)

**CURVE DATA**

(NW Ramp)  
 (Prop. Curve P-CIR-NW-2)  
 P.I. Sta. = 1808+18.54  
 $\Delta = 3^\circ 29' 21''$  (RT)  
 $D = 1^\circ 13' 27''$   
 $R = 4,680.00'$   
 $T = 142.54'$   
 $L = 285.00'$   
 $E = 2.17'$   
 $e = 2.40'$   
 T.R. = NA  
 S.E. Run = 13' (ATN), 158' (REM)  
 P.C. Sta. = 1806+76.00  
 P.T. Sta. = 1809+61.00  
 $DS = 50$

For Information Only  
 (Part of Future Contract)

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

PROFILE GRADE LINES  
 STRUCTURE NO. 016-1165

SCALE: SHEET SI-03 OF SI-63 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2013-012R	COOK	385	191
ILLINOIS FED. AID PROJECT			CONTRACT NO. 60W30	

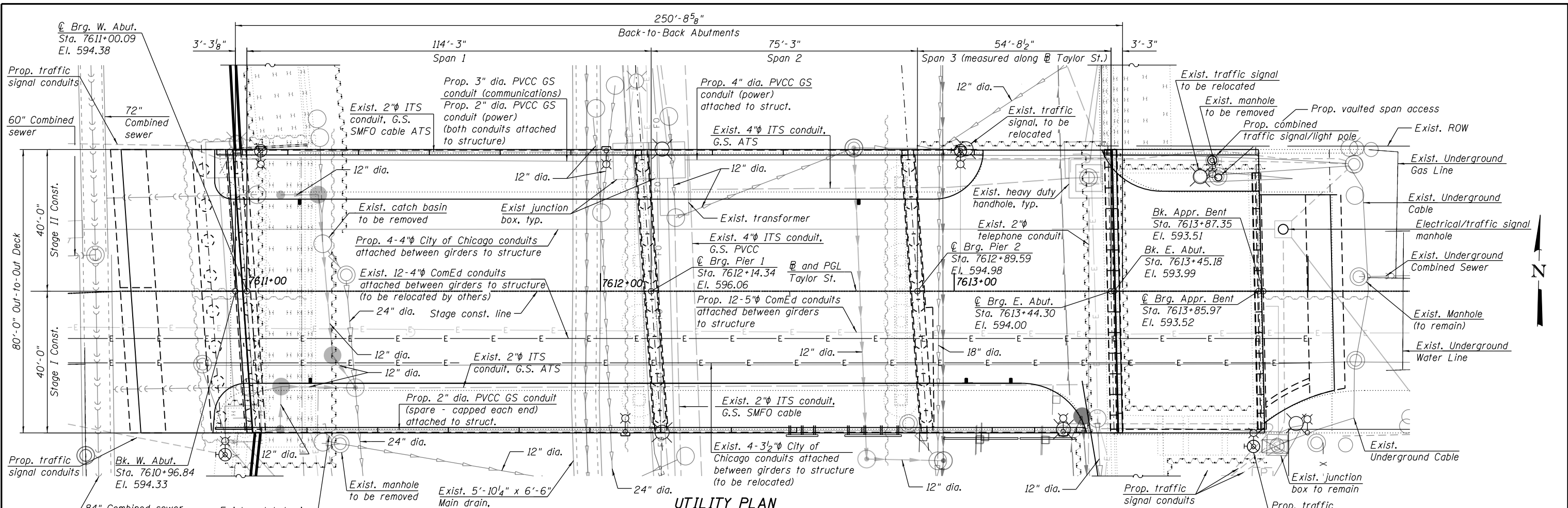
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**HBM**  
 ENGINEERING GROUP, LLC.  
 CONSULTING & DESIGN  
 INSPECTION & RATING  
 RESEARCH & TESTING

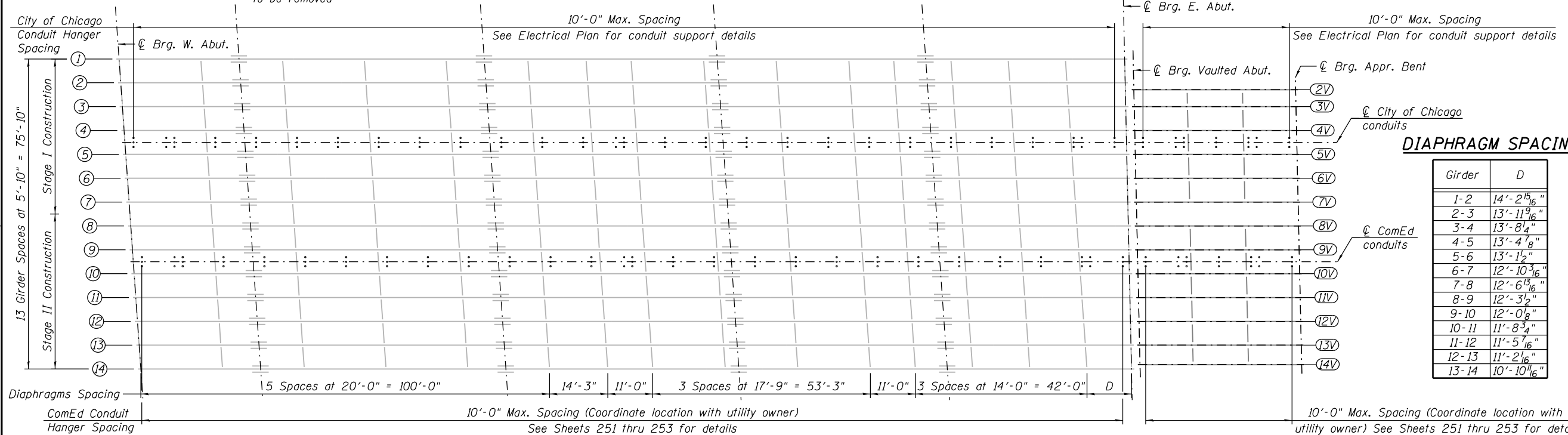
4415 WEST HARRISON ST.  
 SUITE 231  
 HILLSIDE, IL 60162  
 PHONE: (708) 236-0900  
 FAX: (708) 236-0901

DESIGNED -	MAF, JJS	REVISED
DRAWN -	WM, JJS	REVISED
CHECKED -	MI, MAI	REVISED
DATE -	10/24/2014	REVISED

0161165-60W30-191-PGL  
 USER NAME = ahmod.issa  
 PLOT SCALE = 28.0000' / in.  
 PLOT DATE = 12/16/2014



**UTILITY PLAN**



**SUPPORT HANGER**

(For City of Chicago and ComEd conduits)

**LEGEND:**

- Combined Sewer
- Electric
- Exist. Storm Sewer
- Prop. Storm Sewer
- Temporary Soil Retention System
- Traffic Barrier
- Exist. Manhole
- Light Pole
- Exist. Catch Basin
- Prop. Manhole
- Prop. Catch Basin
- Proposed Inlet
- Traffic Sign
- Prop. Light Pole or Comb. Traffic Signal/Light Pole
- Fiber Optic
- Prop. traffic signal

**NOTES:**

1. Uninterrupted service for existing utilities will be maintained during construction. See plans for City of Chicago Conduit Relocation.
2. For utility and drainage details, see civil plans.
3. For electrical, ITS and traffic signals details, see appropriate discipline plans.

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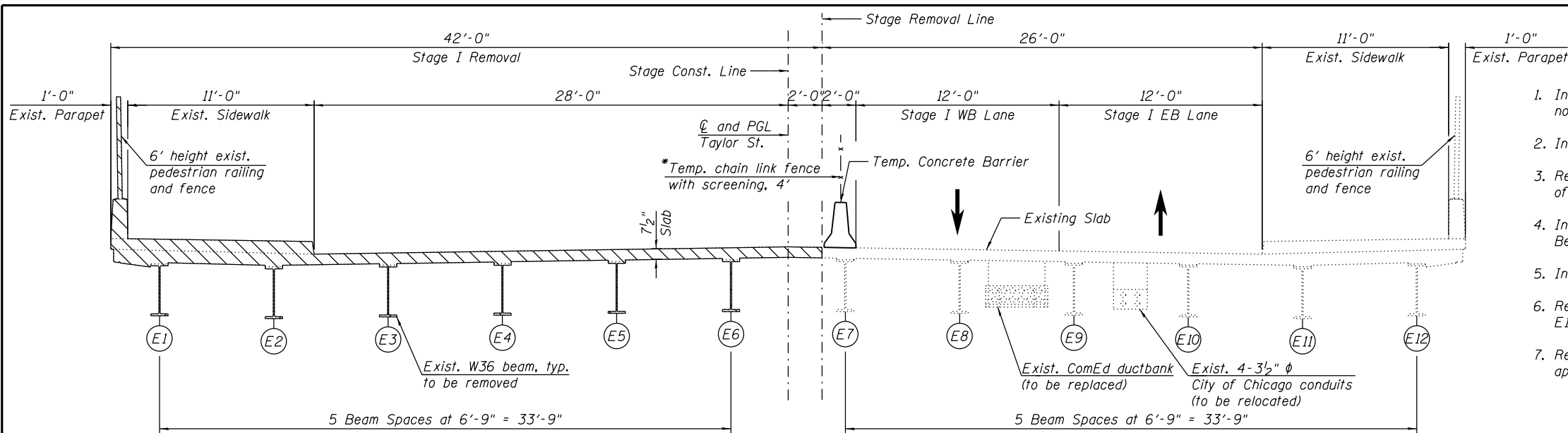
4415 WEST HARRISON ST.  
SUITE 231  
HILLSDALE, IL 60162  
PHONE: (708) 236-0900  
FAX: (708) 236-0901

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USER NAME = ahmod.issa	DRAWN - WM, JJS	REVISED
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PLOT DATE = 12/16/2014	DATE - 10/24/2014	REVISED

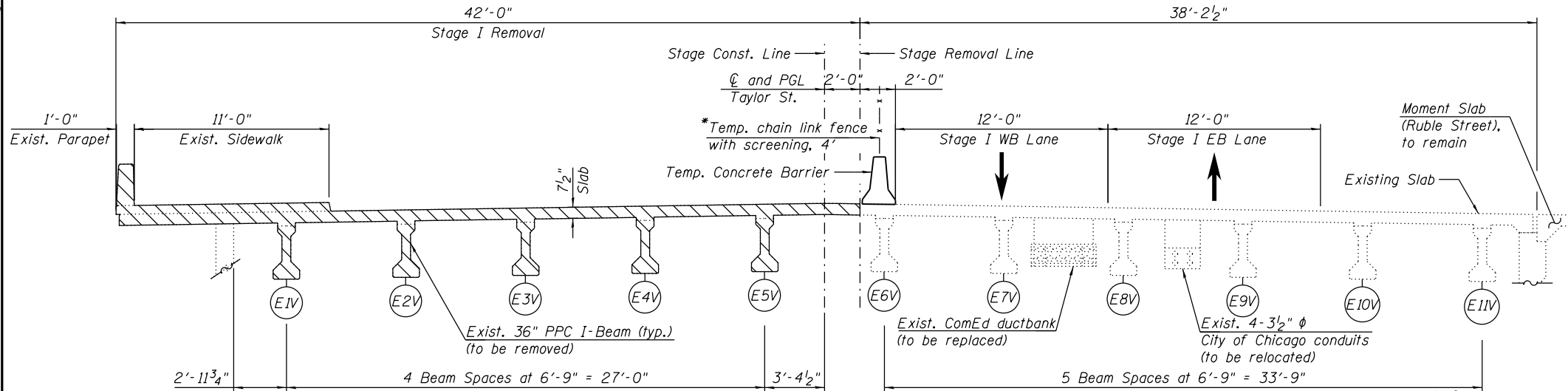
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>UTILITY PLAN</b>	
<b>STRUCTURE NO. 016-1165</b>	
SCALE:	SHEET S1-04 OF S1-63 SHEETS STA. TO STA.

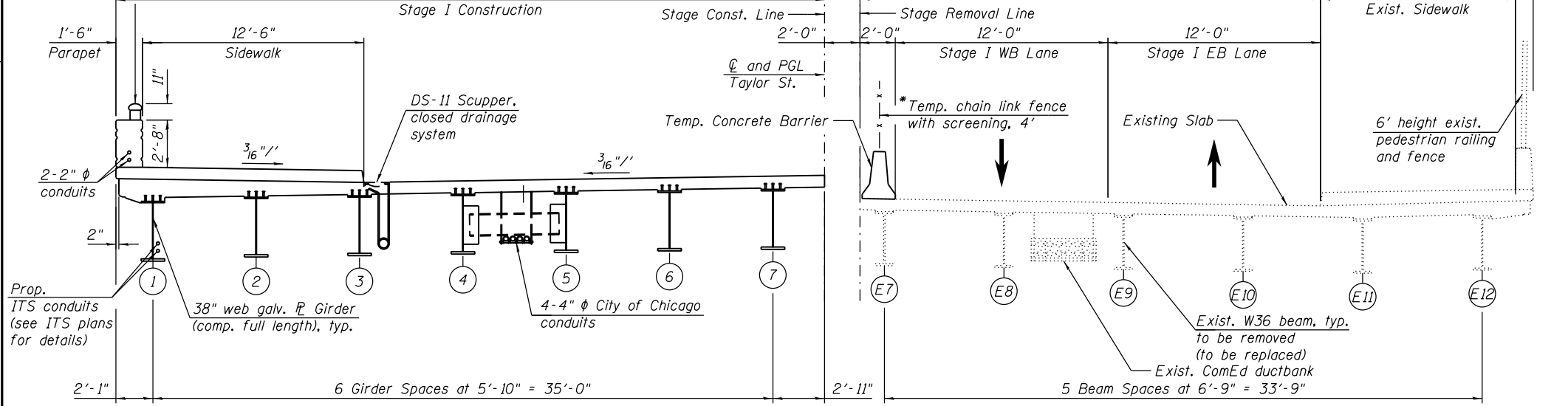
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2013-012R	COOK	385	192
CONTRACT NO. 60W30			ILLINOIS FED. AID PROJECT	



**STAGE I REMOVAL - SPANS 1 THRU 3**  
(Looking East)



**STAGE I REMOVAL - VAULTED SPAN**  
(Looking East)



**STAGE I CONSTRUCTION - SPANS 1 THRU 3**  
(Looking East)

**STAGE I REMOVAL**

1. Install temporary concrete barrier as shown to locate construction work area on the north side of the existing structure.
2. Install protective shield as required.
3. Remove all existing concrete bridge deck, sidewalk, parapet and fence within limits of Stage I construction.
4. Install Temporary Soil Retention System at the W.Abutment, E. Abutment, Approach Bent, and Piers 1 and 2.
5. Install Soil Retention System at the Northwest Corner of the Bridge.
6. Remove existing E1 through E6 structural steel beams and diaphragms and existing E1V thru E5V PPC I-beams.
7. Remove North Half of existing West Abutment, portion of vaulted East Abutment and approach bent, and Piers 1 and 2 as shown on Sheets S1-11 thru S1-13.

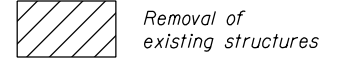
**STAGE I CONSTRUCTION**

1. The following construction items will be performed within the limits of Stage I Construction:
2. Drill and pour drilled shafts for the West Abutment and piers as shown in Foundation Layout.
3. Construct W. Abutments and piers.
4. Perform E. Abutment and Approach Bent Modifications.
5. Erect Girders 1 through 7 and related steel diaphragms.
6. Erect PPC I-Beams 2V through 7V and related steel diaphragms.
7. Install deck forms and reinforcement and place inserts (hangers) in deck for utility support.
8. Construct reinforced concrete deck, sidewalk, parapet, lightpoles, decorative railing parapet mounted and drainage scuppers.
9. Install City of Chicago conduits.
10. Install drainage system.
11. Construct the North half of the East and West bridge approach slabs.
12. Perform bridge deck grooving for the bridge deck.
13. Apply protective coat for the bridge deck, sidewalks, top and front face of parapet.
14. Place temporary pavement markings on the top of deck for staged traffic. See Traffic Control Plans.

**NOTE:**

Uninterrupted service for existing utilities will be maintained during construction. See plans for City of Chicago Conduit Relocation.

**LEGEND**



\*See Civil Plans for Temporary Chain Link Fence with Screening, 4'

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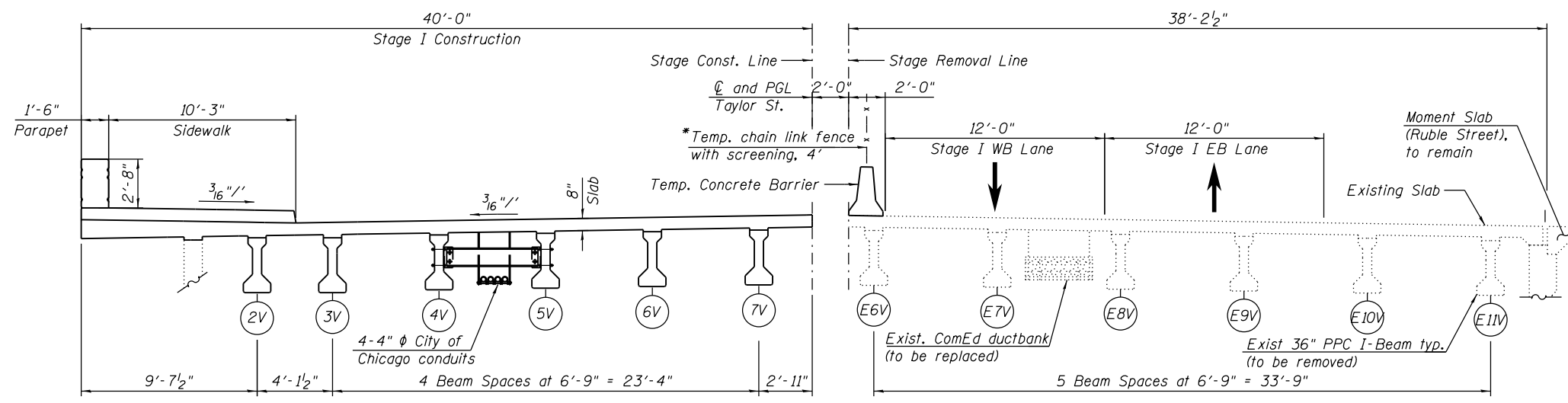
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**STAGE CONSTRUCTION (SHEET 1 OF 3)**  
**STRUCTURE NO. 016-1165**

SCALE: SHEET S1-05 OF S1-63 SHEETS STA. TO STA.

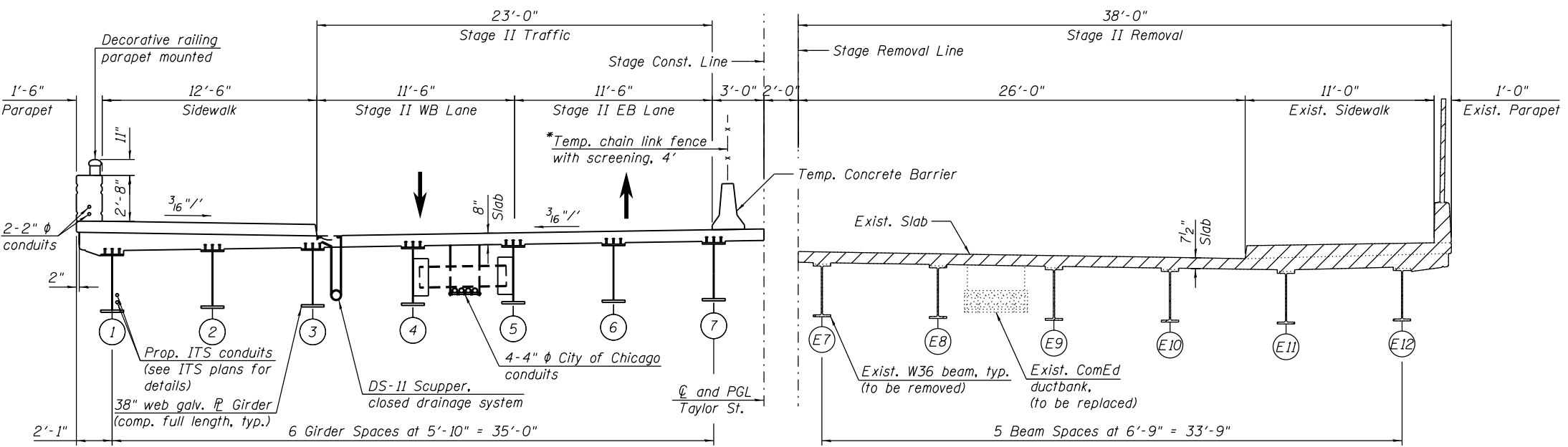
F.A.I. RTE. 90/94	SECTION 2013-012R	COUNTY COOK	TOTAL SHEETS 385	SHEET NO. 193
CONTRACT NO. 60W30			ILLINOIS FED. AID PROJECT	



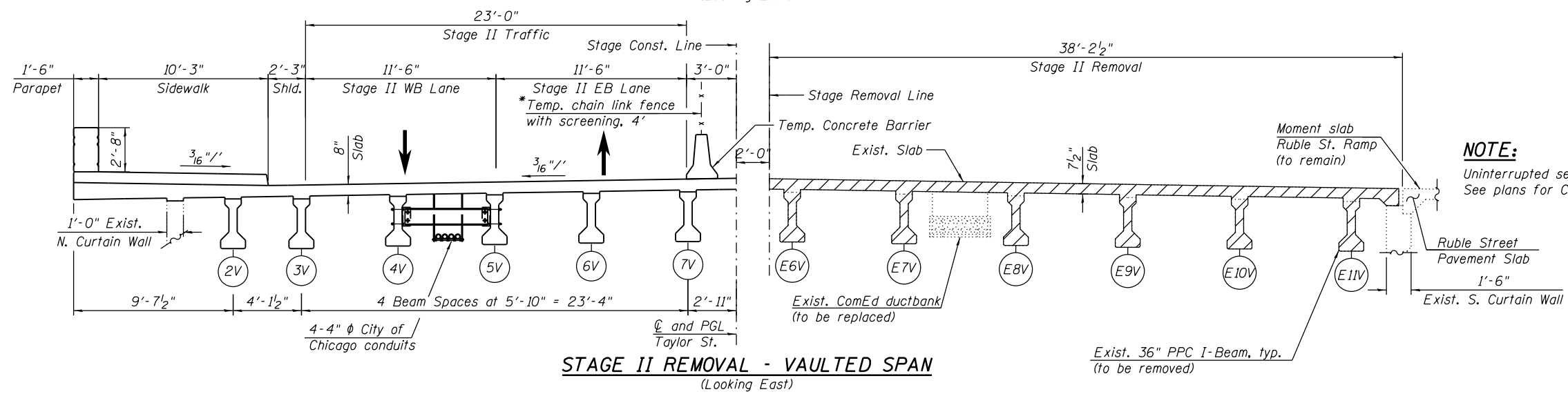


**STAGE I CONSTRUCTION - VAULTED SPAN**  
(Looking East)

- STAGE II REMOVAL**
1. Install temporary concrete barrier as shown to locate Stage II traffic, pedestrian access and construction work area on the Stage I constructed portion of the bridge.
  2. Install protective shield as required.
  3. Remove all existing concrete bridge deck, sidewalk, parapet and fence within limits of Stage II construction.
  4. Install Temporary Soil Retention System at the W. Abutment, and piers 1 and 2.
  5. Remove existing E7 through E12 structural steel beams and diaphragms and existing E6V thru E11V PPC I-beams.
  6. Remove South Half of existing abutments, approach bent, and piers 1 and 2 as shown on Sheets SI-10 and SI-13.
  7. Remove existing City of Chicago conduits after service has been relocated into new conduits on north side of bridge.
  8. Coordinate removal of ComEd conduits with ComEd.



**STAGE II REMOVAL - SPANS 1 THRU 3**  
(Looking East)



**STAGE II REMOVAL - VAULTED SPAN**  
(Looking East)

**NOTE:**  
Uninterrupted service for existing utilities will be maintained during construction. See plans for City of Chicago Conduit Relocation.

**LEGEND**  
[Hatched Box] Removal of existing structures

\*See Civil Plans for Temporary Chain Link Fence with Screening, 4'

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<b>HBM</b> ENGINEERING GROUP, LLC. CONSULTING & DESIGN INSPECTION & RATING RESEARCH & TESTING 4415 WEST HARRISON ST. SUITE 231 HILLSIDE, IL 60162 PHONE: (708) 236-0900 FAX: (708) 236-0901	0161165-60W30-506-StgConst2 USER NAME = ahmod.issa PLOT SCALE = 8:0.0000 1/4" = 1'-0" PLOT DATE = 12/16/2014	DESIGNED - WM, JJS DRAWN - WM, JJS CHECKED - MI, MAI DATE - 10/24/2014	REVISED REVISED REVISED REVISED	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>STAGE CONSTRUCTION (SHEET 2 OF 3)</b> <b>STRUCTURE NO. 016-1165</b>		F.A.I. RTE. 90/94 SECTION 2013-012R COUNTY COOK TOTAL SHEETS 385 SHEET NO. 194	CONTRACT NO. 60W30
	SCALE: SHEET S1-06 OF S1-63 SHEETS STA. TO STA.	ILLINOIS FED. AID PROJECT						

### STAGE II CONSTRUCTION

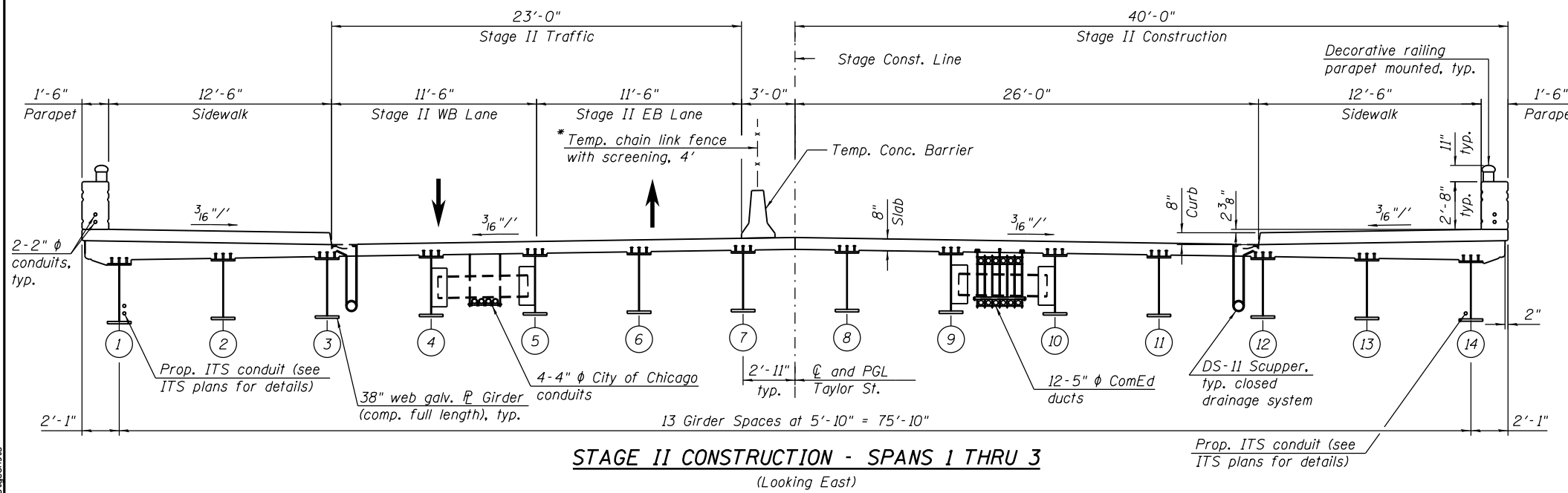
The following construction items will be performed within the limits of Stage II Construction:

1. Drill and pour drilled shafts for abutments and piers as shown in Foundation Layout.
2. Construct W. Abutments and piers.
3. Perform E. Abutment and Approach Bent Modifications.
4. Erect Girders 8 through 14 and related steel diaphragms.
5. Erect PPC I-Beams 8V through 14V and related steel diaphragms.
6. Install deck forms and reinforcement and place inserts (hangers) in deck for utility support.
7. Construct reinforced concrete deck, sidewalk, parapet, lightpoles, decorative railing parapet mounted and drainage scuppers.
8. Install ComEd conduits.
9. Install drainage system.
10. Construct the South half of the East and West bridge approach slabs.
11. Perform bridge deck grooving for the bridge deck, sidewalks, top and front face of parapets.
12. Apply protective coat for the bridge deck.
13. Erect City of Chicago ductbanks.
14. Place pavement markings on the top of deck for traffic lanes. See traffic control plans.

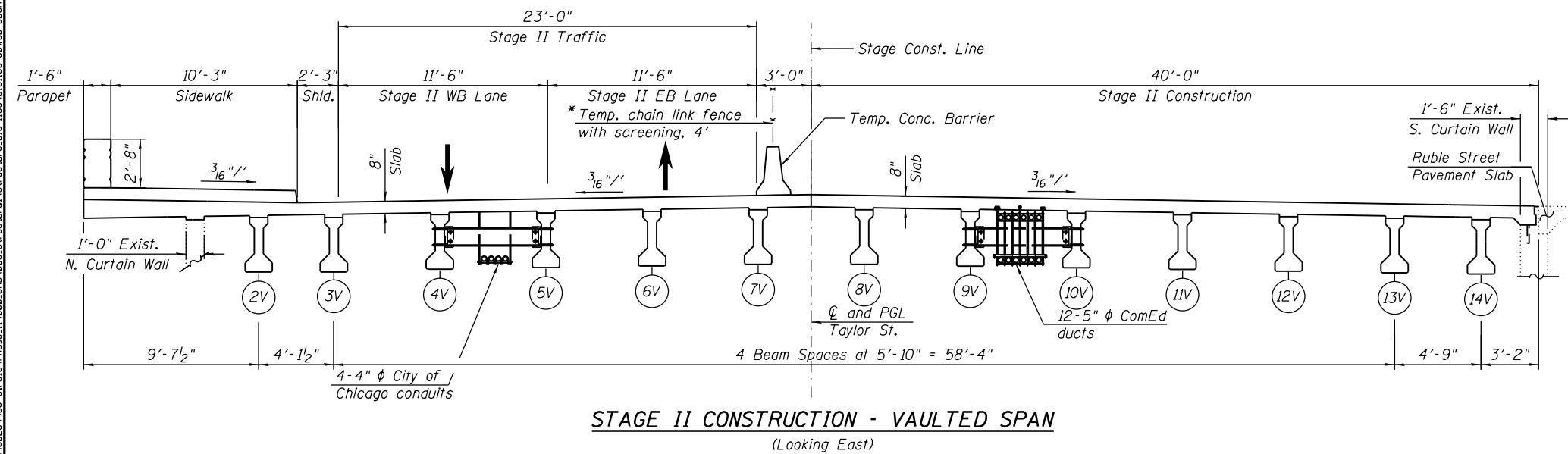
#### NOTE:

Uninterrupted service for existing utilities will be maintained during construction. See plans for City of Chicago Conduit Relocation.

\*See Civil Plans for Temporary Chain Link Fence with Screening, 4'



**STAGE II CONSTRUCTION - SPANS 1 THRU 3**  
(Looking East)



**STAGE II CONSTRUCTION - VAULTED SPAN**  
(Looking East)

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USER NAME = ahmod.issa	DRAWN - WM, JJS	REVISED
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**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

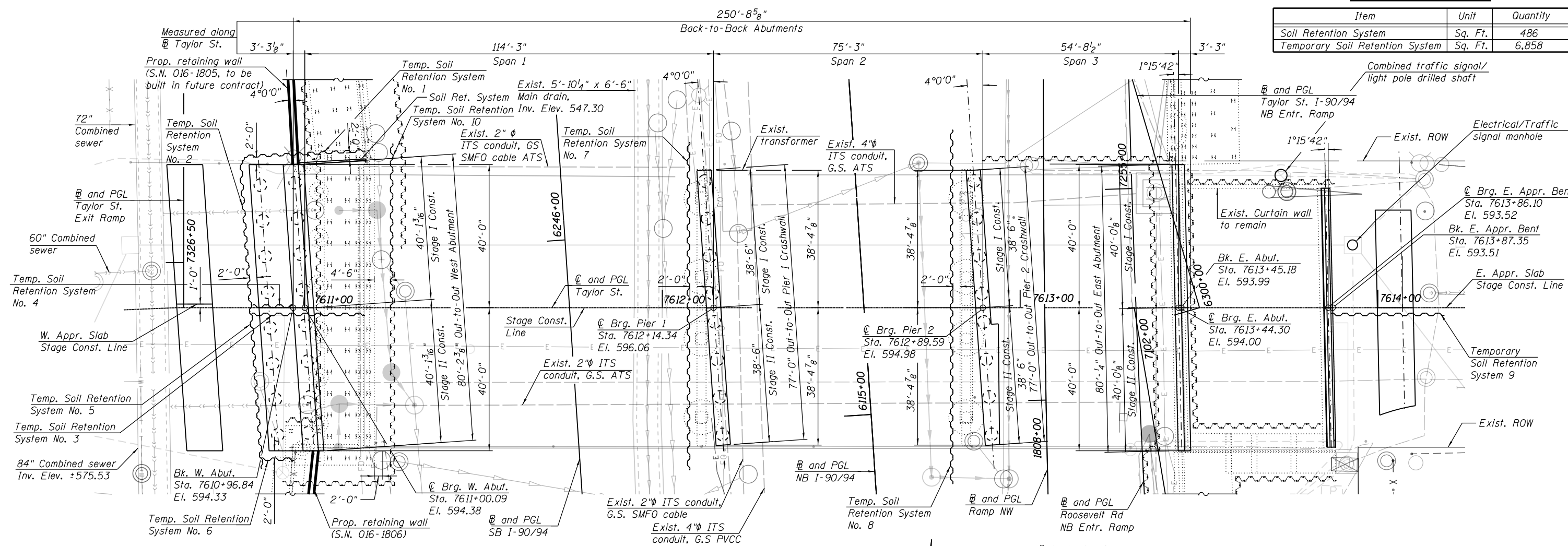
**STAGE CONSTRUCTION (SHEET 3 OF 3)**  
**STRUCTURE NO. 016-1165**

SCALE: SHEET S1-06A OF S1-63 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2013-012R	COOK	385	194A
CONTRACT NO. 60W30			ILLINOIS FED. AID PROJECT	

**BILL OF MATERIAL**

Item	Unit	Quantity
Soil Retention System	Sq. Ft.	486
Temporary Soil Retention System	Sq. Ft.	6,858

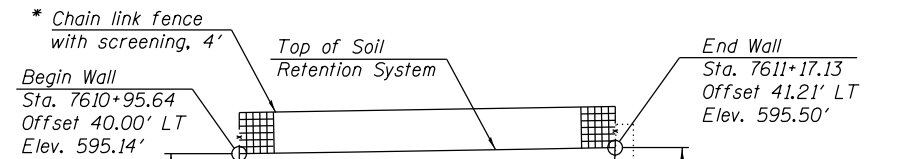
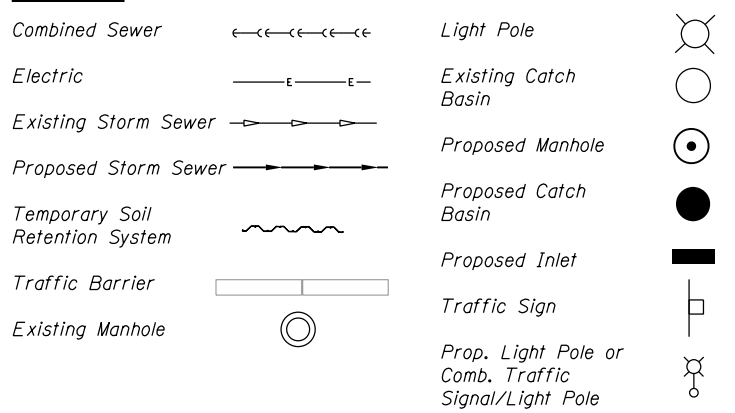


**NOTES:**

1. A cantilevered sheet piling design does not appear feasible and additional members or other retention systems may be necessary. The Contractor shall submit a temporary soil retention system design including plan details and calculations for review and acceptance by the Engineer.
2. The maximum allowable excavation slope is 1:2 (V:H) unless noted otherwise.
3. For Utility Plan, see Sheet S1-04.
4. For Removal of Existing structures, see Sheets S1-10 thru S1-13.
5. For existing approach slabs removal quantities, see Civil plans.
6. The Contractor is responsible to protect the existing drilled shafts to remain during removal of the existing footings at the East Abutment. These drilled shafts are utilized in the design to be part of the East Abutment footing supporting system. Cost included with Removal of Existing Structures.
7. The Contractor shall exercise extreme caution during construction to make certain that construction activities, live load surcharge, structure excavation, drilling shafts and other loads applied will not have detrimental effects on the 5'-10 1/4"x6'-6" main drain (near Pier 1) and 72"/84"  $\phi$  combined sewer (at west approach). Any damage to the main drain or combined sewer during construction shall be repaired by the Contractor at his expense at no charge to IDOT.
8. For proposed Temporary Soil Retention System 1 thru 6 at the West Abutment, see Sheet S1-08.
9. For proposed Temporary Soil Retention Systems 7 thru 9, see Sheet S1-09.
10. Driving piles and temporary sheet piling is not allowed.

**FOUNDATION LAYOUT**

**LEGEND:**



**SOIL RETENTION SYSTEM**

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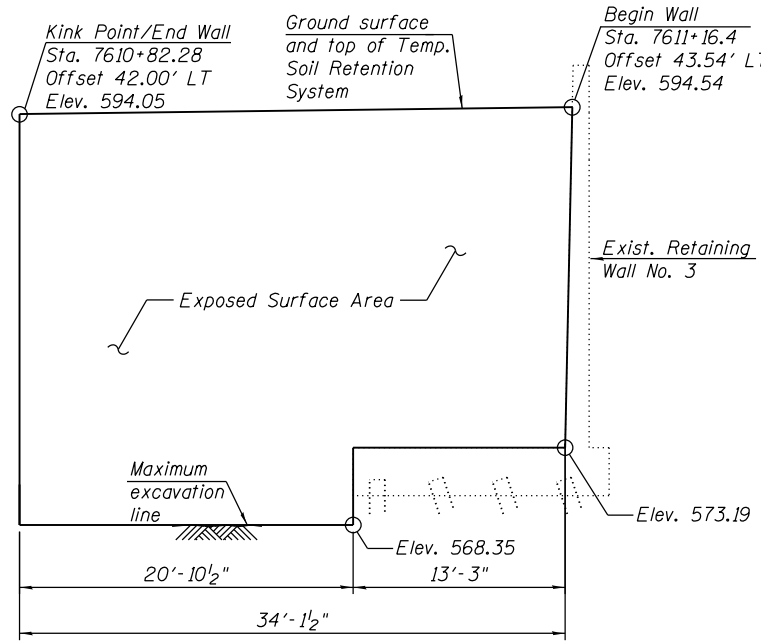
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PLOT DATE = 12/16/2014	DATE - 10/24/2014	REVISED

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

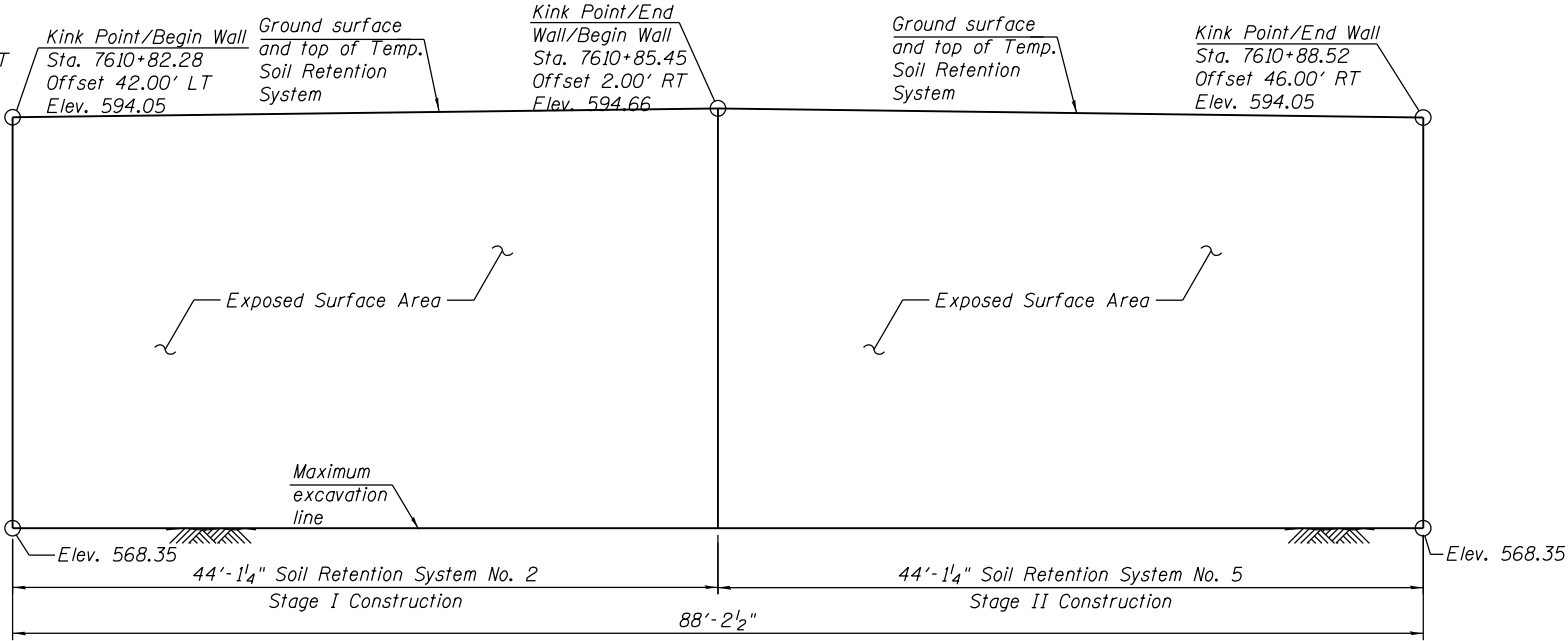
**SUBSTRUCTURE LAYOUT  
STRUCTURE NO. 016-1165**

SCALE: SHEET S1-07 OF S1-63 SHEETS STA. TO STA.

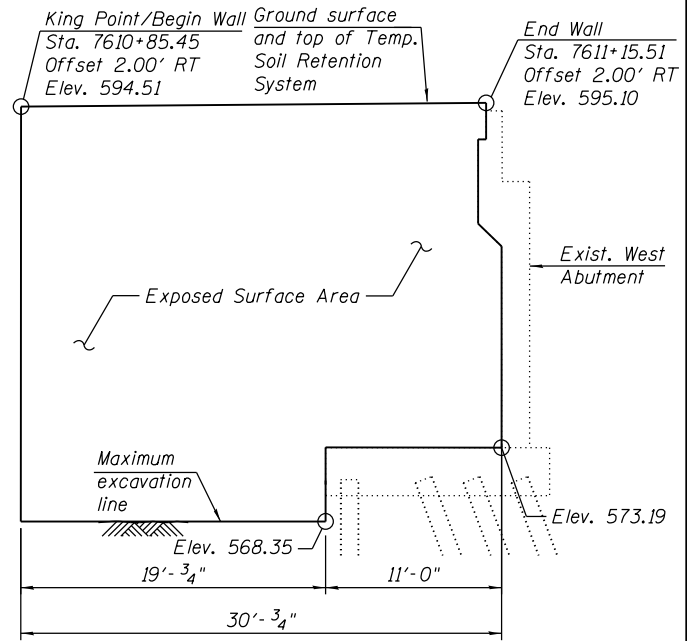
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CONTRACT NO. 60W30				ILLINOIS FED. AID PROJECT



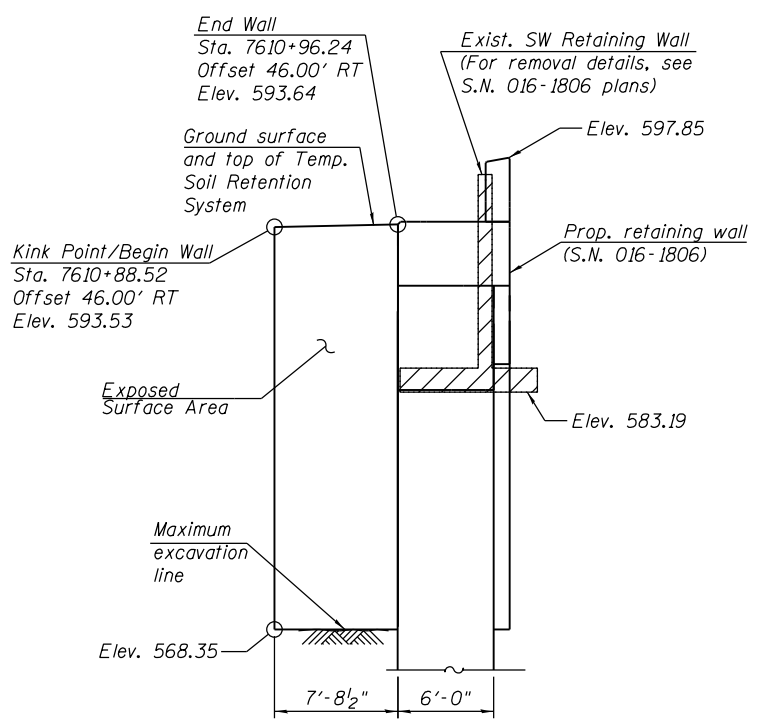
**TEMPORARY SOIL RETENTION SYSTEM NO. 1**  
(Stage I Construction at West Abutment)



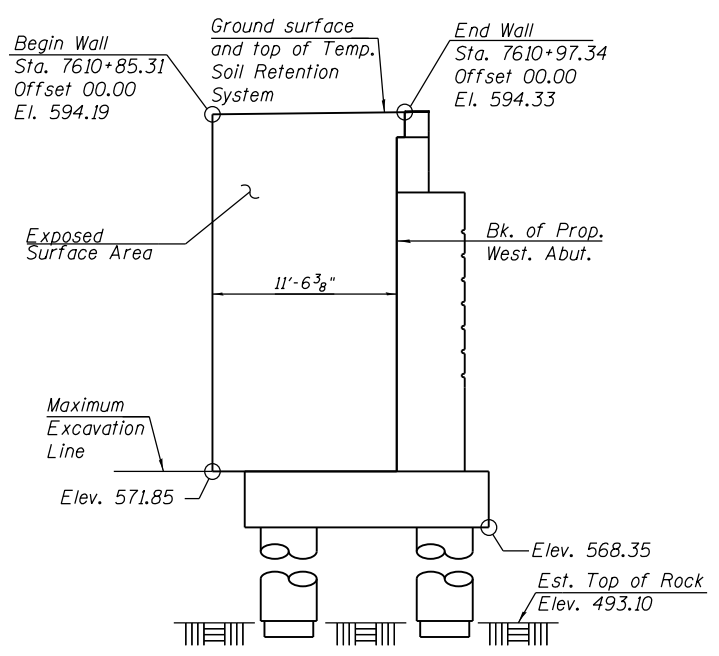
**TEMPORARY SOIL RETENTION SYSTEM NOS. 2 & 3**  
(Stage I and II Construction at West Abutment)



**TEMPORARY SOIL RETENTION SYSTEM NO. 3**  
(Stage I Construction at West Abutment)



**TEMPORARY SOIL RETENTION SYSTEM NO. 6**  
(Stage II Construction at West Abutment)



**TEMPORARY SOIL RETENTION SYSTEM NO. 4**  
(Stage II Construction at West Abutment)

- NOTES:**
1. A cantilevered sheet piling design does not appear feasible and additional members or other retention systems may be necessary. The Contractor shall submit a soil retention system design including plan details and calculations for review and acceptance by The Engineer.
  2. Driving piles and temporary sheet piling is not allowed.
  3. For additional notes, see Sheet S1-07.

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USER NAME = ahmod.issa	DRAWN - WM, JJS	REVISED
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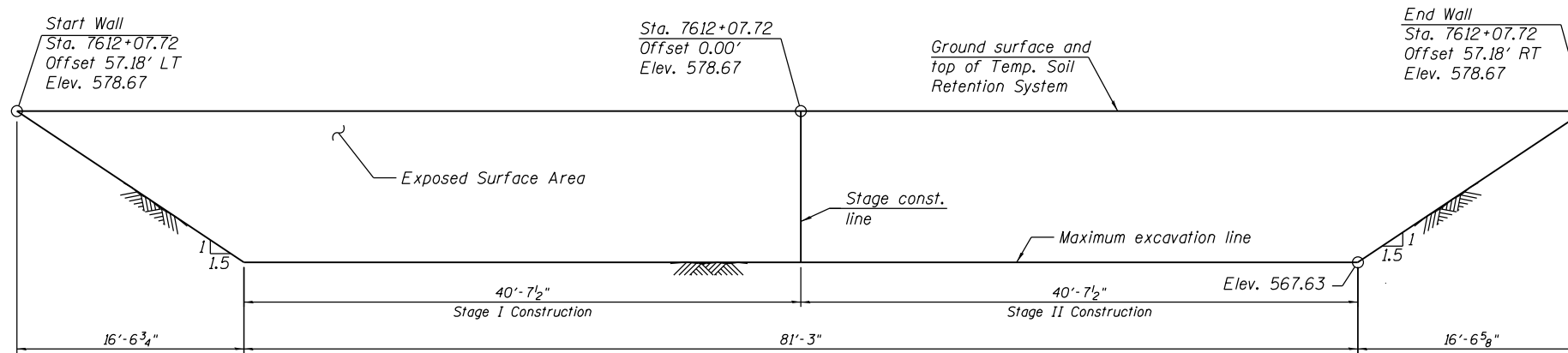
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

**TEMPORARY SOIL RETENTION SYSTEM DETAILS (SHEET 1 OF 2)**  
**STRUCTURE NO. 016-1165**

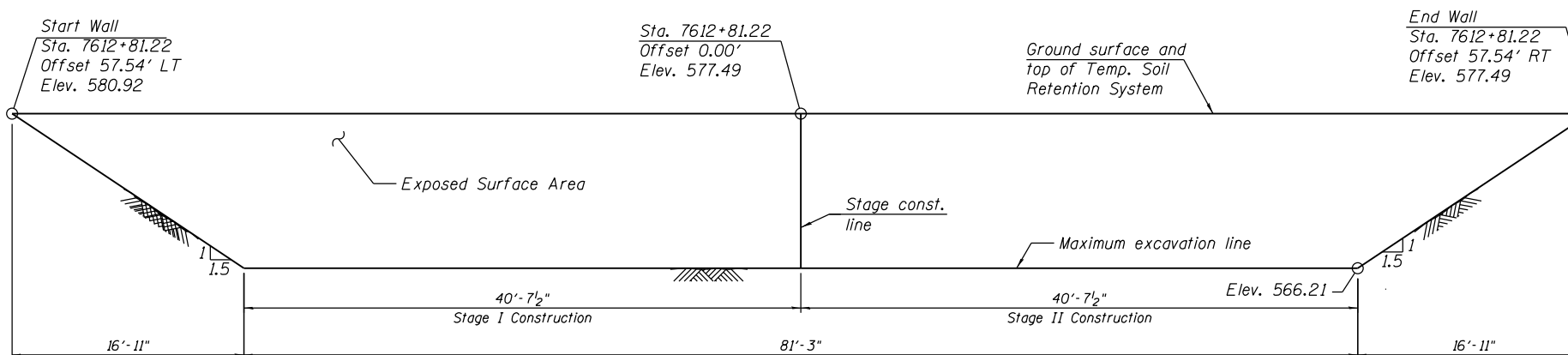
SCALE: SHEET S1-08 OF S1-63 SHEETS STA. TO STA.

F.A.I RTE. 90/94	SECTION 2013-012R	COUNTY COOK	TOTAL SHEETS 385	SHEET NO. 196
CONTRACT NO. 60W30			ILLINOIS FED. AID PROJECT	

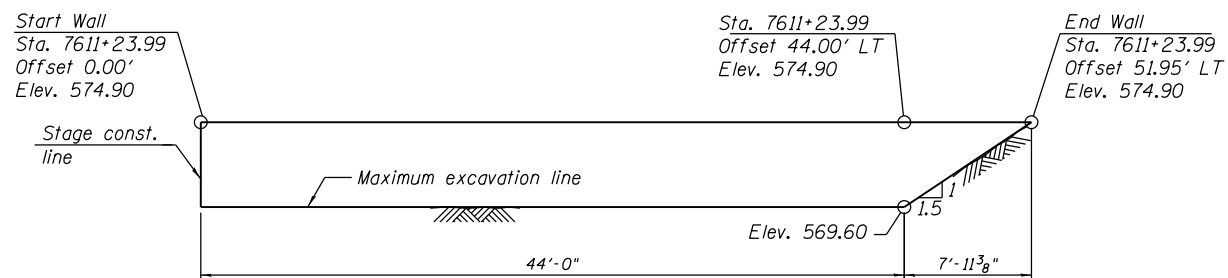
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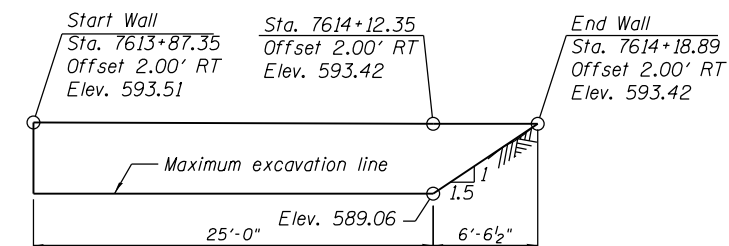
**TEMPORARY SOIL RETENTION SYSTEM NO. 7**  
 (Stage I and II Construction At Pier 1)



**TEMPORARY SOIL RETENTION SYSTEM NO. 8**  
 (Stage I and II Construction At Pier 2)



**TEMPORARY SOIL RETENTION SYSTEM NO. 10**  
 (Stage I Removal at West Abutment)



**TEMPORARY SOIL RETENTION SYSTEM NO. 9**  
 (Stage II Construction at East Appr. Bent)

**NOTES:**

1. A cantilevered sheet piling design does not appear feasible and additional members or other retention systems may be necessary. The Contractor shall submit a soil retention system design including plan details and calculations for review and acceptance by The Engineer.
2. Driving piles and temporary sheet piling is not allowed.
3. For additional notes, see Sheet S1-07.

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0161165-60W30-509-TempSoilRet2	DESIGNED - WM, JJS	REVISED
USER NAME = ahmod.issa	DRAWN - WM, JJS	REVISED
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PLOT DATE = 12/16/2014	DATE - 10/24/2014	REVISED

**STATE OF ILLINOIS**  
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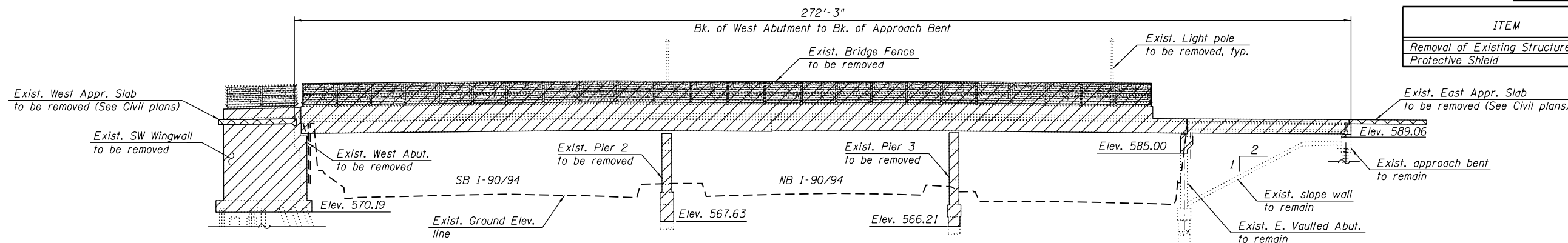
**TEMPORARY SOIL RETENTION SYSTEM DETAILS (SHEET 2 OF 2)**  
**STRUCTURE NO. 016-1165**

SCALE: SHEET S1-09 OF S1-63 SHEETS STA. TO STA.

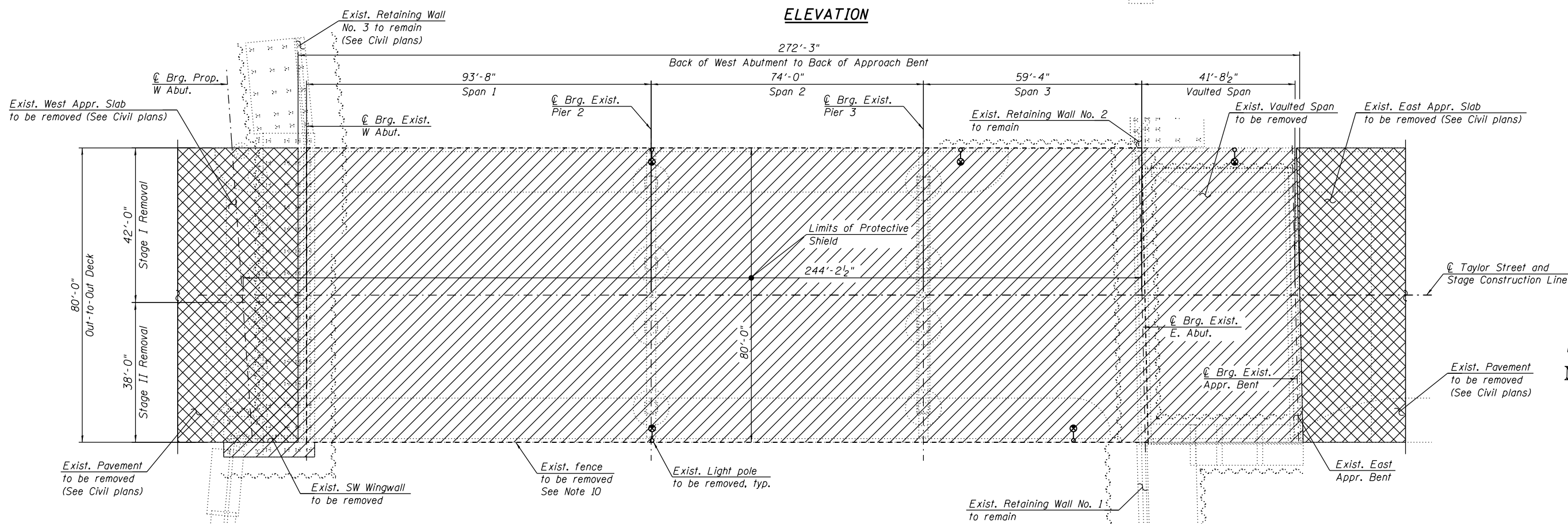
F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2013-012R	COOK	385	197
CONTRACT NO. 60W30			ILLINOIS FED. AID PROJECT	

**BILL OF MATERIAL**

ITEM	UNIT	TOTAL
Removal of Existing Structures No. 1	Each	1
Protective Shield	Sq Yd	2,171



**ELEVATION**



**PLAN**

**NOTES:**

- Existing ComEd utilities between girders to be relocated and replaced by others. Existing City of Chicago utilities to be relocated and replaced by Contractor.
- Existing utilities to be removed and replaced as part of this contract. (See Electrical Plans for details).
- For roadway barrier removal under the structure (along ramps and I-90/94), see Civil plans.
- Dimensions shown have been taken from historical design drawings and may not represent "as built" conditions. The Contractor must verify all dimensions in the field. Variation in the field dimensions shall not warrant additional compensation for Removal of Existing Structures No. 1. See Special Provisions.
- For substructure removal details, see Sheets S1-11 thru S1-13.
- For existing approach slabs, pavement and sidewalk removal, see Civil plans.
- Work this sheet with Sheets S1-05 and S1-06.
- For Temporary Soil Retention and Soil Retention System limits and details, see Sheets S1-07 thru S1-09.
- The Contractor shall take precautions to protect existing utilities, foundations and adjacent structures during removal/construction of the bridge. The utilities were located based on SUE and utility supplier information available at design. See Civil plans.
- The existing light poles and fence removal are part of the contract and will be included in Removal of Existing Structures No. 1.
- Portion of the existing E. Abutment and Approach Bent shall be removed and modified to match the new bridge geometrics. Existing reinforcement to remain shall be cleaned and incorporated into the new Construction. All costs associated with partial E. Abutment and Approach Bent removal, and cleaning and incorporating existing reinforcement into new construction, shall be included in Removal of Existing Structures No. 1. Any damage to existing remaining portions of the E. Abutment and Approach bent/reinforcement caused by the Contractor in the performance of his/her work shall be repaired by the Contractor, to the satisfaction of the Engineer, at no cost to the Department.
- Existing utilities in conflict with new construction shall be abandoned or relocated according to directions given on the Civil Plans.
- Portions of existing drilled shafts and H-Piles interfering with proposed foundation and/or drainage items shall be removed 1' below the bottom of the proposed foundation, and/or proposed drainage item, except where noted otherwise. Cost included with Removal of Existing Structures No. 1.

**LEGEND:**

- Removal of Existing Structures No. 1
- See Civil plans for limits of removal

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0161165-60W30-S10-ExStructRemPlan	DESIGNED - KJD, JJS	REVISED
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

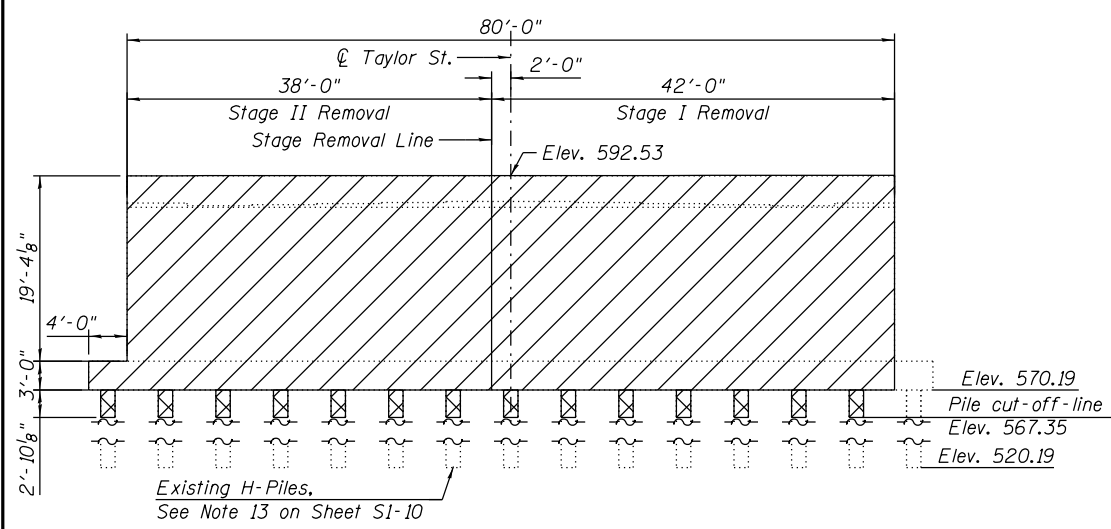
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STRUCTURE NO. 016-1165**

SCALE: SHEET S1-10 OF S1-63 SHEETS STA. TO STA.

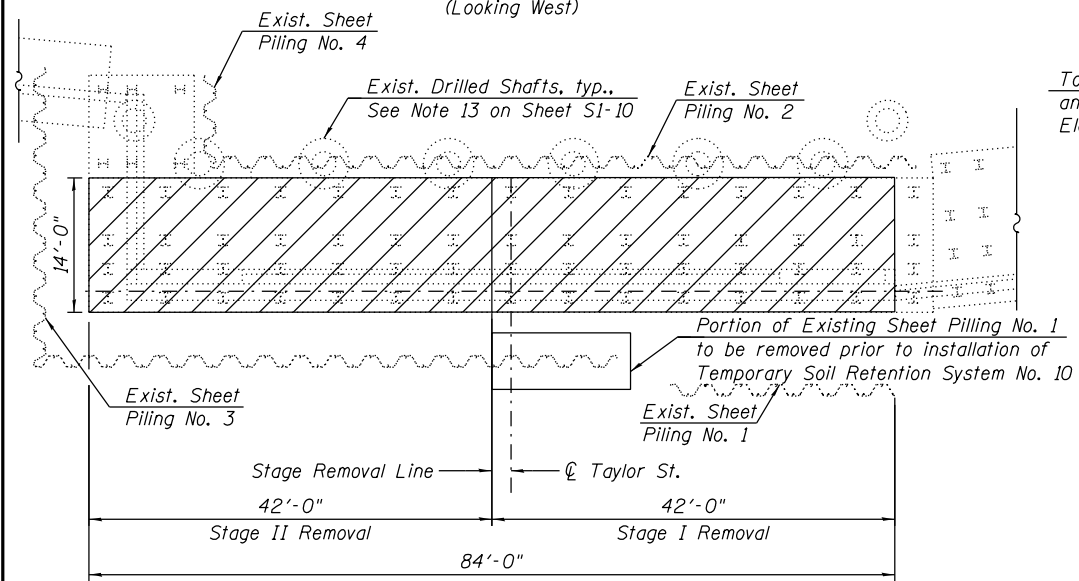
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CONTRACT NO. 60W30				ILLINOIS FED. AID PROJECT

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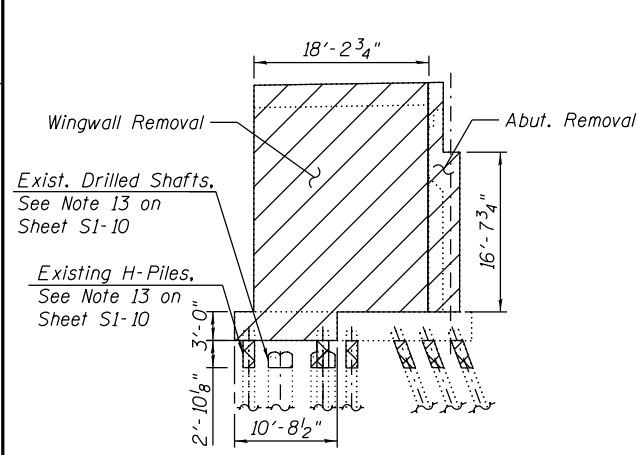
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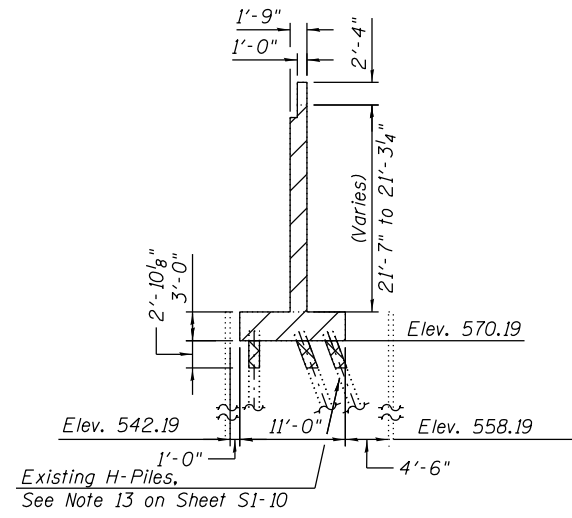
**ELEVATION - WEST ABUTMENT REMOVAL**  
(Looking West)



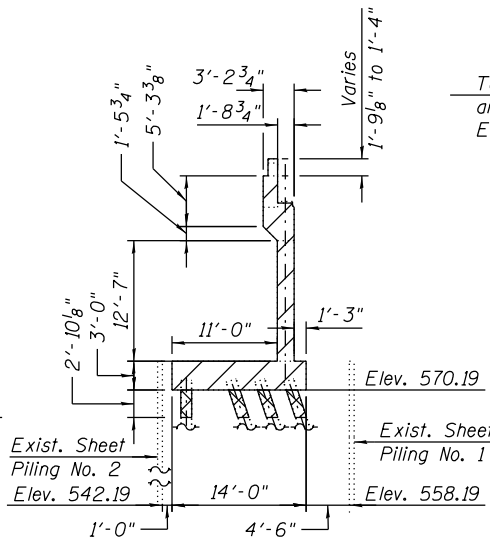
**FOOTING PLAN - WEST ABUTMENT**



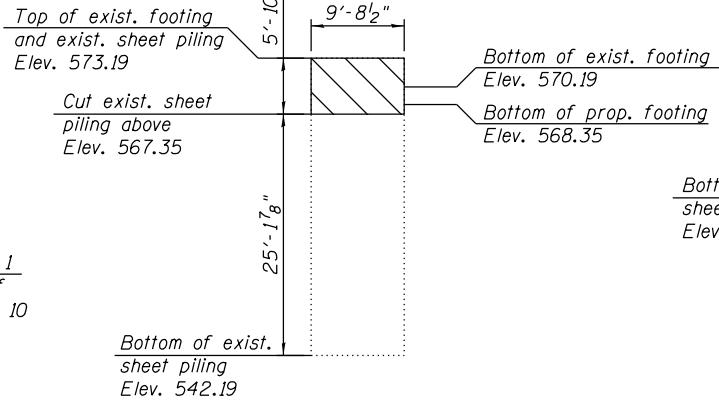
**ELEVATION SOUTHWEST WINGWALL REMOVAL**



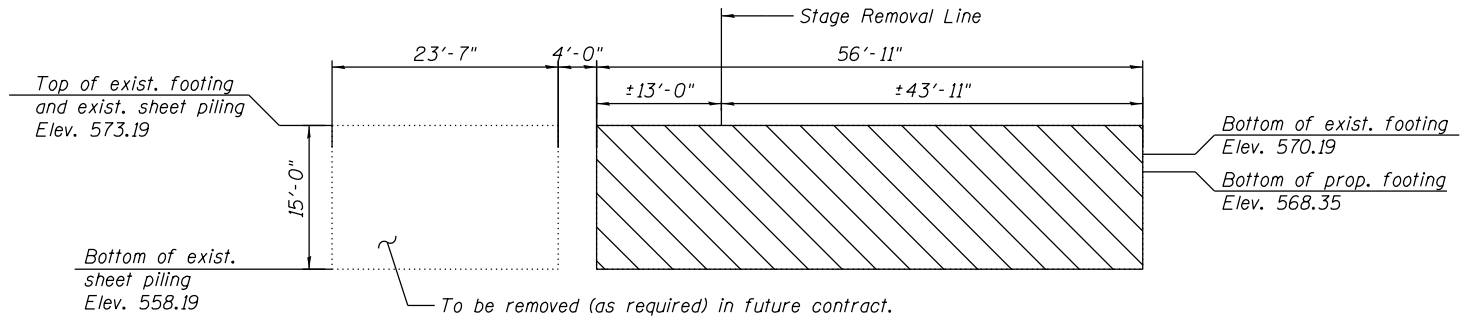
**SIDE ELEVATION SOUTHWEST WINGWALL REMOVAL**



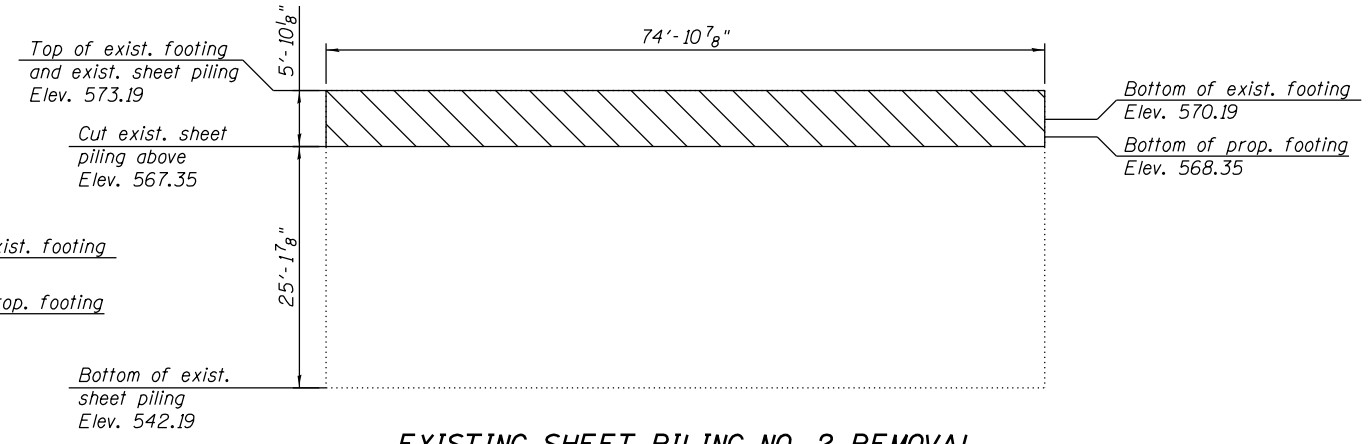
**SIDE ELEVATION WEST ABUTMENT REMOVAL**



**EXISTING SHEET PILING NO. 4 REMOVAL**  
(Looking North)



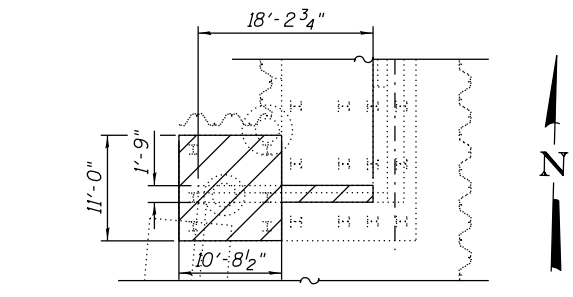
**EXISTING SHEET PILING NO. 1 REMOVAL**  
(Looking East)



**EXISTING SHEET PILING NO. 2 REMOVAL**  
(Looking West)

**NOTES:**

- For additional notes, see Sheet S1-10.
- Existing Concrete, Sheet Piling, Steel Pile and Drilled Shaft Removals shall not be paid separately and shall be included with Removal of Existing Structures No. 1.
- According to available record drawings, sheet piling was left in place during the excavation and construction of the footing for the existing West Abutment. The south portion of the Existing Sheet Piling No. 1 (within stage I Removal limits) shall be removed prior to installation of the Temporary Soil Retention System No. 10, upon completion of the proposed Stage II removal activities, and upon approval of the Engineer, the Existing Sheet Piling No. 1 (within the stage II Removal limits) shall be removed to allow for construction of drainage items. Cost of removal shall be included with Removal of Existing Structures No. 1.



**SOUTHWEST WINGWALL REMOVAL PLAN**

**LEGEND**

- Existing Concrete to be removed  
(Cost included in Removal of Existing Structures No. 1)
- Existing Sheet Piling to be removed  
(Cost included in Removal of Existing Structures No. 1)
- Existing Steel Pile to be removed  
(Cost included in Removal of Existing Structures No. 1)

V.I.F. Verify in field

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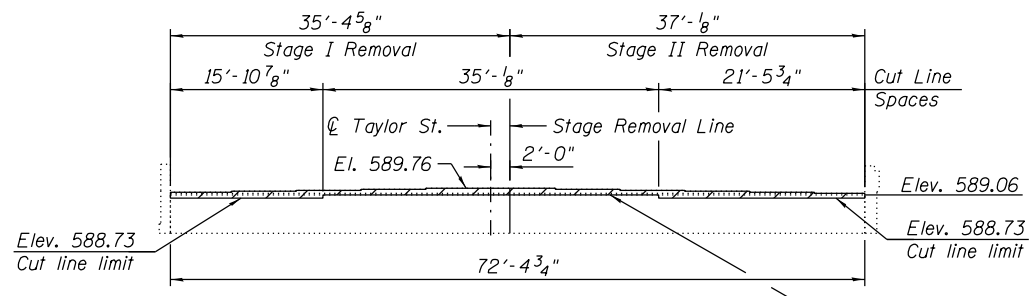
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

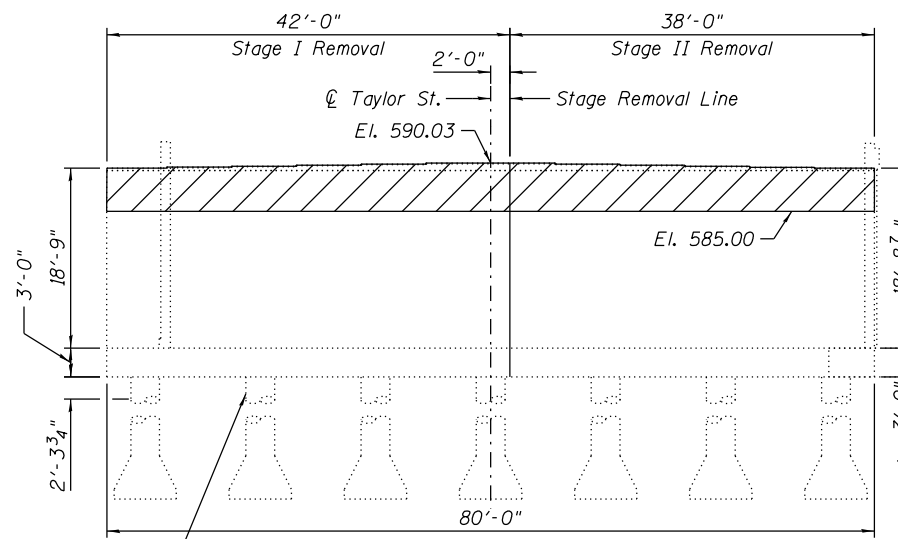
EXISTING STRUCTURE REMOVAL - WEST ABUTMENT  
STRUCTURE NO. 016-1165

SCALE: SHEET S1-11 OF S1-63 SHEETS STA. TO STA.

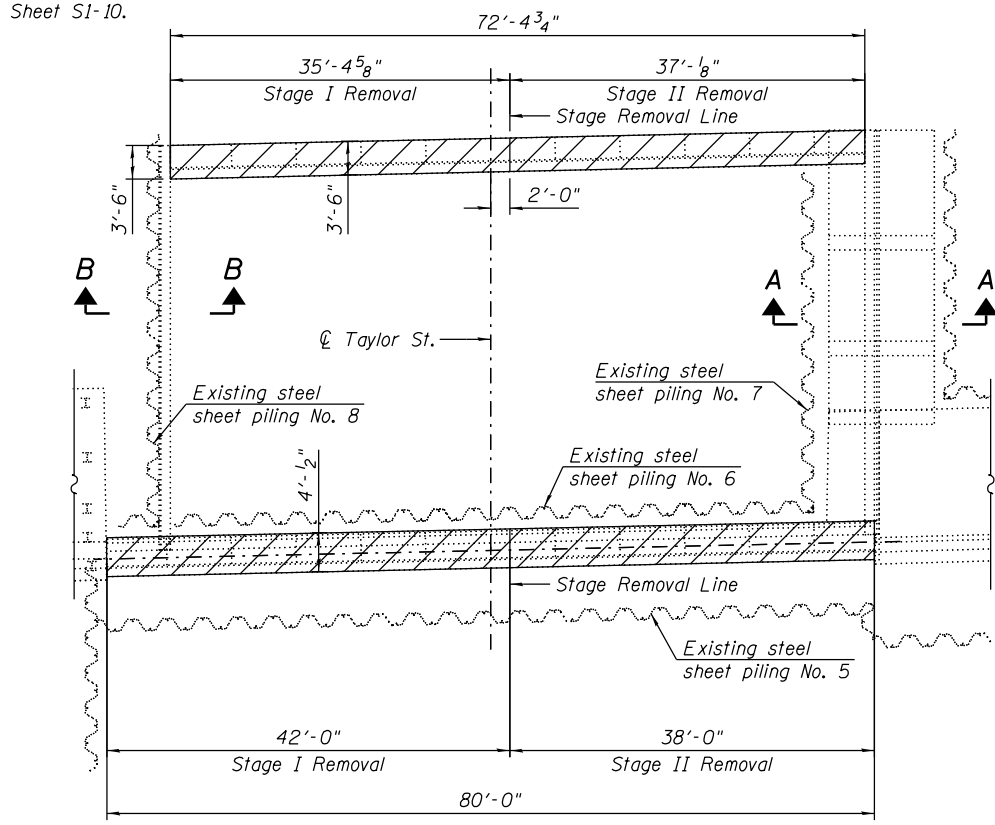
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CONTRACT NO. 60W30			ILLINOIS FED. AID PROJECT	



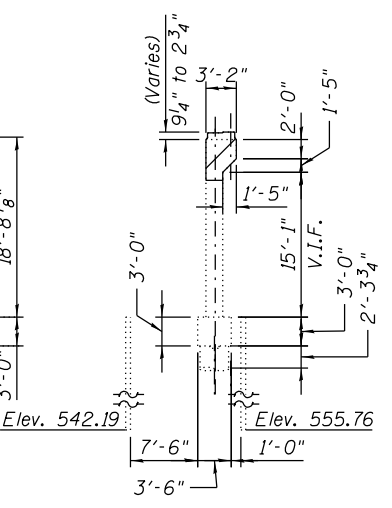
**ELEVATION - APPROACH BENT REMOVAL**  
(Looking East)



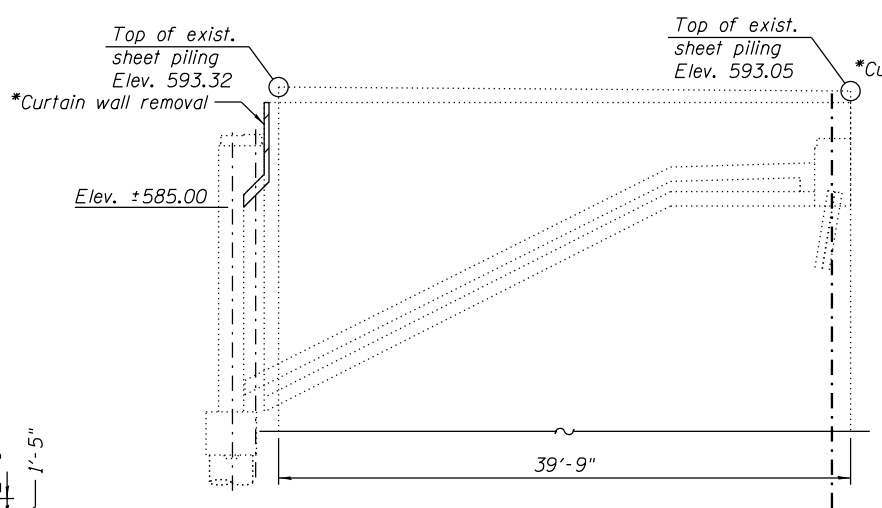
**ELEVATION - EAST ABUTMENT REMOVAL**  
(Looking East)



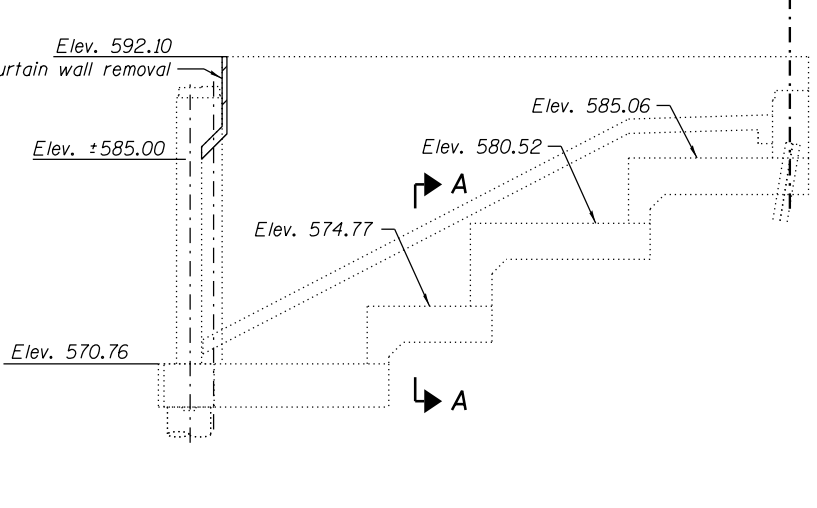
**PLAN - EAST ABUTMENT AND APPROACH BENT REMOVAL**



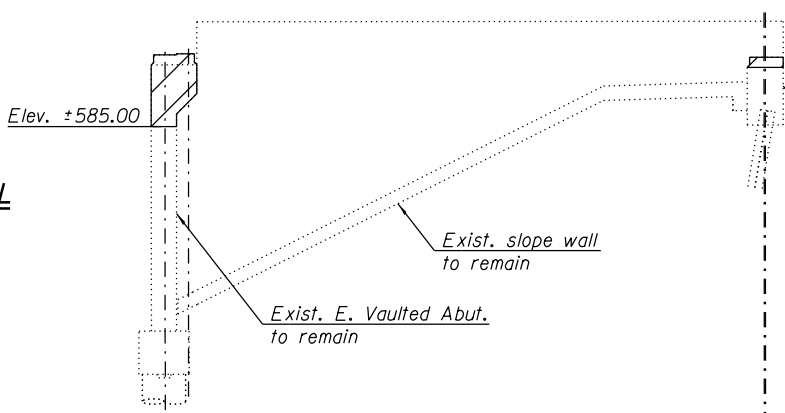
**SIDE ELEVATION EAST ABUTMENT REMOVAL**



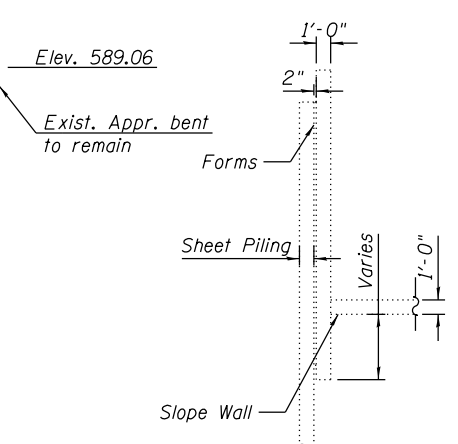
**EXISTING NORTH CURTAIN WALL REMOVAL**  
(Looking North)



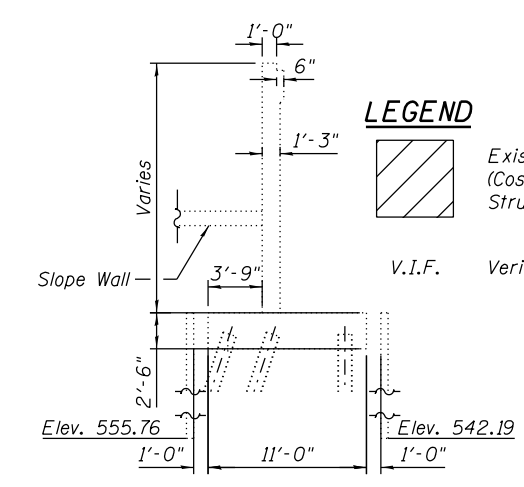
**EXISTING SOUTH CURTAIN WALL REMOVAL**  
(Looking North)  
(Existing curtain wall piles are not shown for clarity)



**EXISTING EAST ABUTMENT AND APPROACH BENT REMOVAL**  
(Looking North)



**SECTION B-B THRU NORTHEAST CURTAIN WALL**



**SECTION A-A THRU SOUTHEAST CURTAIN WALL**

- NOTES:**
- For additional Notes, see Sheet S1-10.
  - Existing Concrete Removal shall not be paid separately and shall be included with Removal of Existing Structures No. 1.

**LEGEND**

Existing Concrete to be removed (Cost included in Removal of Existing Structures No. 1)

V.I.F. Verify in field

\* Remove only portions of curtain wall interfering with abutment modification and new diaphragm construction. Cost included with Removal of Existing Structures No. 1. Existing reinforcement bars extending from curtain wall into the removal area shall be cleaned, straightened and incorporated into the new construction. Any reinforcement bars that are damaged during concrete removal shall be replaced with an approved bar splicer or anchorage system. Cost included with Removal of Existing Structures No. 1.

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0161165-60W30-S12-ExStructureRemEastAbut	DESIGNED - KJD, JJS	REVISED
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PLOT DATE = 12/16/2014	DATE - 10/24/2014	REVISED

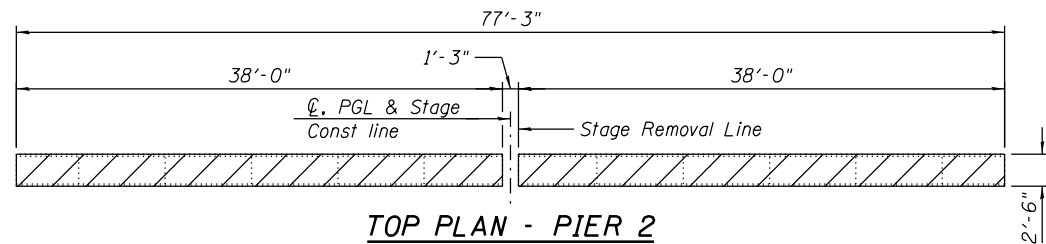
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EXISTING STRUCTURE REMOVAL - EAST ABUTMENT  
STRUCTURE NO. 016-1165**

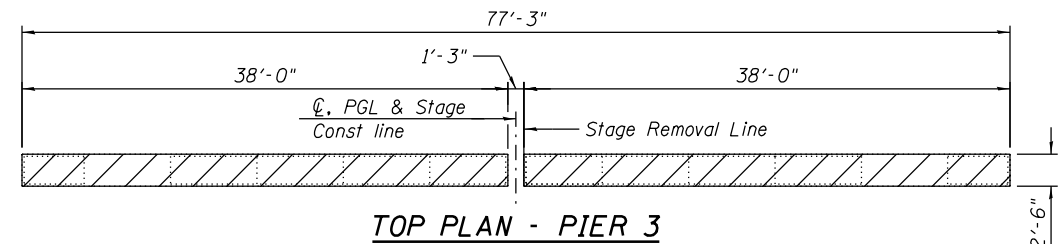
SCALE: SHEET S1-12 OF S1-63 SHEETS STA. TO STA.

F.A.I RTE. 90/94	SECTION 2013-012R	COUNTY COOK	TOTAL SHEETS 385	SHEET NO. 200
CONTRACT NO. 60W30				ILLINOIS FED. AID PROJECT

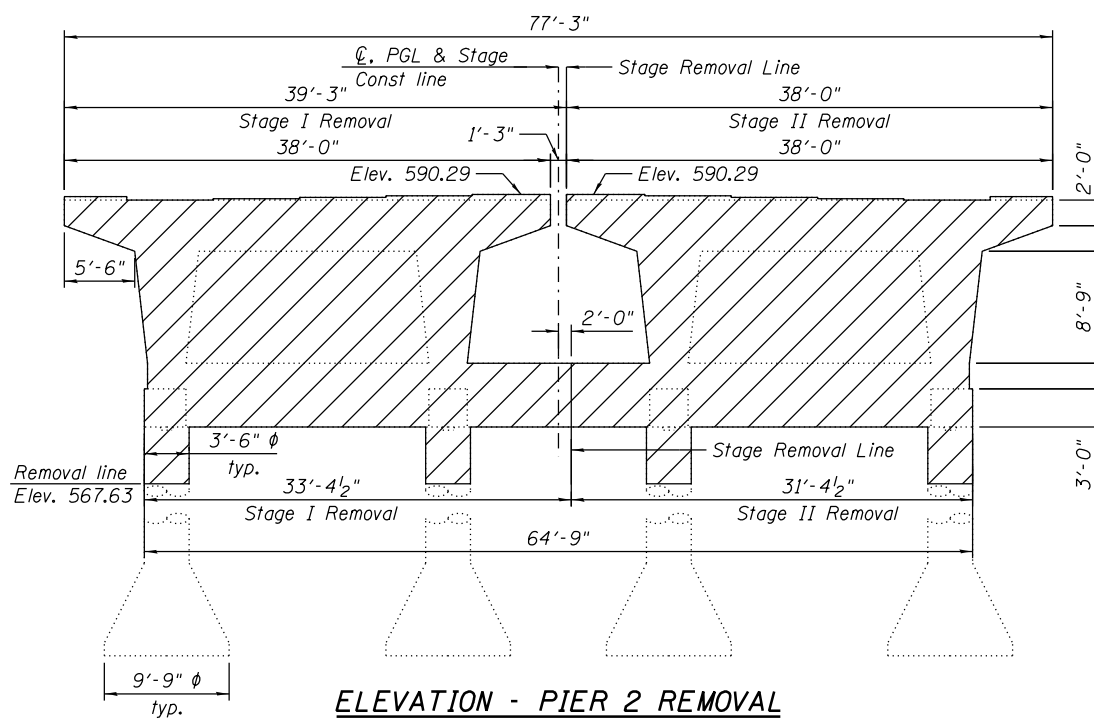




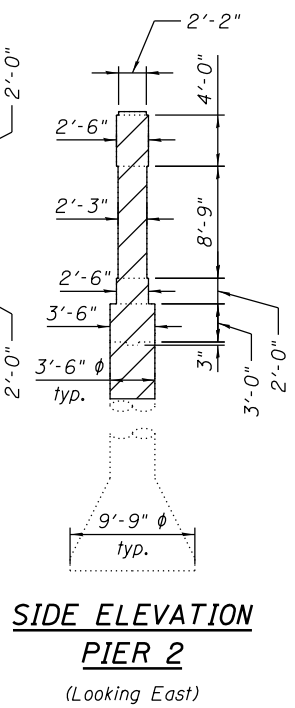
TOP PLAN - PIER 2



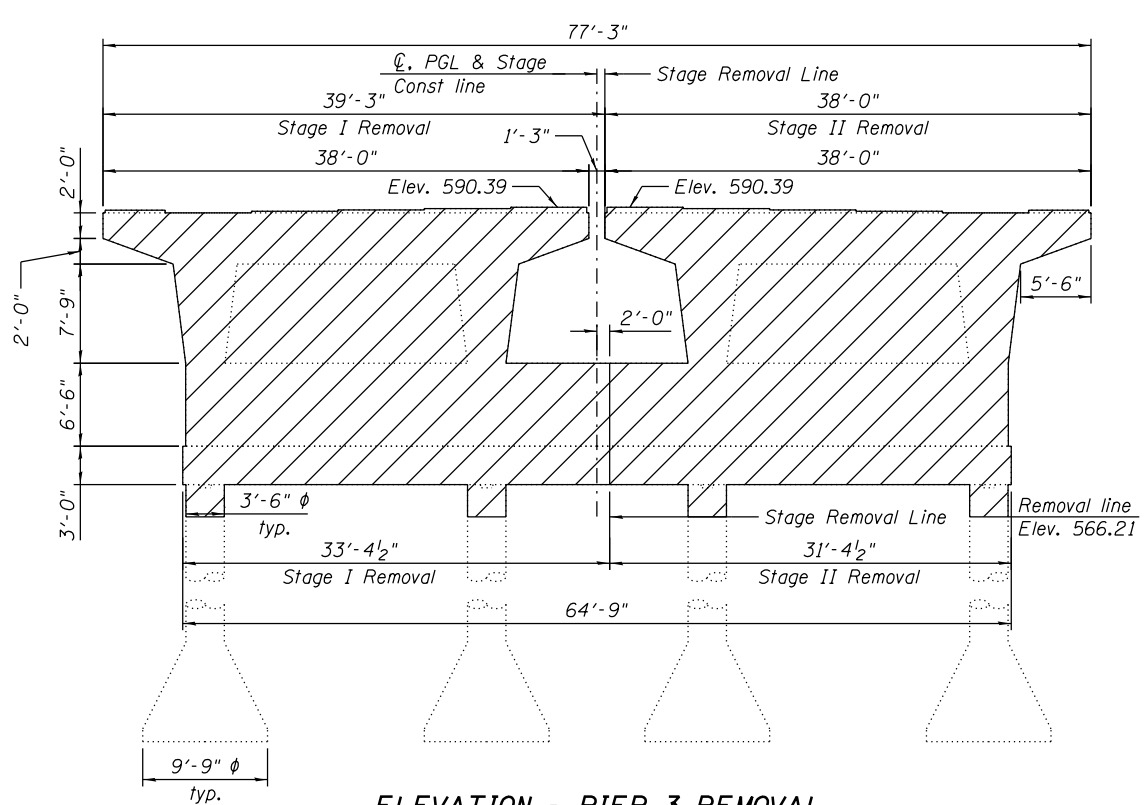
TOP PLAN - PIER 3



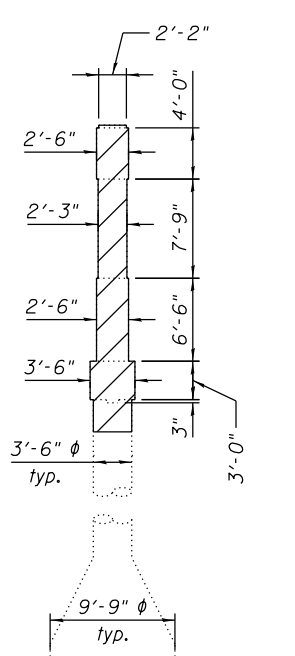
ELEVATION - PIER 2 REMOVAL  
(Looking East)



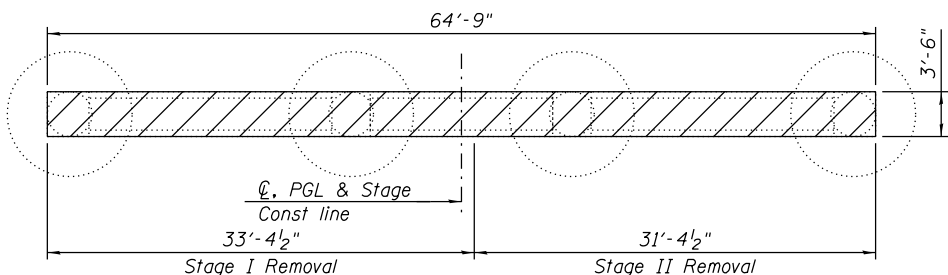
SIDE ELEVATION  
PIER 2  
(Looking East)



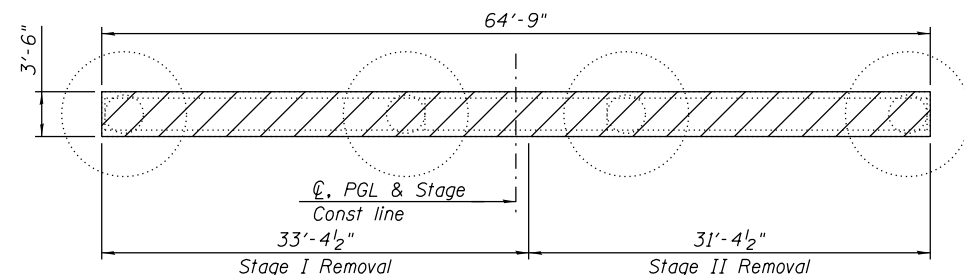
ELEVATION - PIER 3 REMOVAL  
(Looking East)



SIDE ELEVATION  
PIER 3  
(Looking East)



FOOTING PLAN - PIER 2



FOOTING PLAN - PIER 3

**NOTES:**  
1. For Notes, see Sheet S1-10.

**LEGEND**

Existing Concrete to be removed  
(Cost included in Removal of Existing Structures No. 1)

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0161165-60W30-S13-ExStructRemPiers2&3	DESIGNED - KJD, JJS	REVISED
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

EXISTING STRUCTURE REMOVAL - PIERS 2 AND 3  
STRUCTURE NO. 016-1165

SCALE: SHEET S1-13 OF S1-63 SHEETS STA. TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2013-012R	COOK	385	200A
CONTRACT NO. 60W30			ILLINOIS FED. AID PROJECT	