

| CODE NO. | ITEM | UNIT | TOTAL QUANTITY URBAN | CONSTRUCTION CODE | | | |
|------------|---|--------|----------------------|---------------------------|---------------------------|---------------------------|---------------------------|
| | | | | 100% STATE STRUCTURE 0013 | 100% STATE STRUCTURE 0013 | 100% STATE STRUCTURE 0013 | 100% STATE STRUCTURE 0013 |
| | | | | 016-1005 | 016-1026 | 016-0486 | 016-0487 |
| | | | | | | | |
| 67100100 | MOBILIZATION | L SUM | 1 | 0.25 | 0.25 | 0.25 | 0.25 |
| 67000400 | ENGINEER'S FIELD OFFICE, TYPE A | CAL MO | 12 | 3 | 3 | 3 | 3 |
| 70100310 | TRAFFIC CONTROL AND PROTECTION, STANDARD 701421 | L SUM | 1 | 0.25 | 0.25 | 0.25 | 0.25 |
| 70100700 | TRAFFIC CONTROL AND PROTECTION, STANDARD 701406 | L SUM | 1 | 0.25 | 0.25 | 0.25 | 0.25 |
| 70107025 | CHANGEABLE MESSAGE SIGN | CAL DA | 28 | 7 | 7 | 7 | 7 |
| X7011015 | TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS) | L SUM | 1 | | 1 | | |
| Z0001905 | STRUCTURAL STEEL REPAIR | POUND | 18,380 | 9050 | 3000 | 3165 | 3165 |
| Z0030850 | TEMPORARY INFORMATION SIGNING | SQ FT | 102.8 | 25.7 | 25.7 | 25.7 | 25.7 |
| Ø Z0076604 | TRAINEES - TRAINING PROGRAM GRADUATE | HOURS | 500 | 500 | | | |



1 REVISSED SHEET 6/21/2022

* = SPECIALTY ITEMS Ø 0042

MODEL: Default; FILE NAME: \\CHL\EP1\fileshare\p\DOT\6598\7181_006\Work Order #21\CAD_Sheets\62R56.dgn

CHASTAIN & ASSOCIATES LLC
CONSULTING ENGINEERS
184-001397

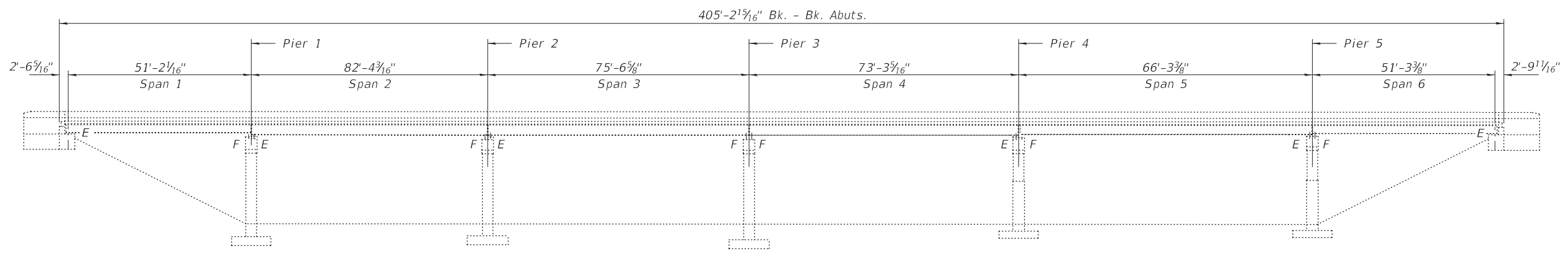
| | | |
|----------------------------|------------------|-----------|
| USER NAME = jpang | DESIGNED - JKP | REVISED - |
| PLOT SCALE = 2.0000' / in. | DRAWN - DMW | REVISED - |
| PLOT DATE = 5/9/2022 | CHECKED - SPF | REVISED - |
| | DATE - 4/21/2022 | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

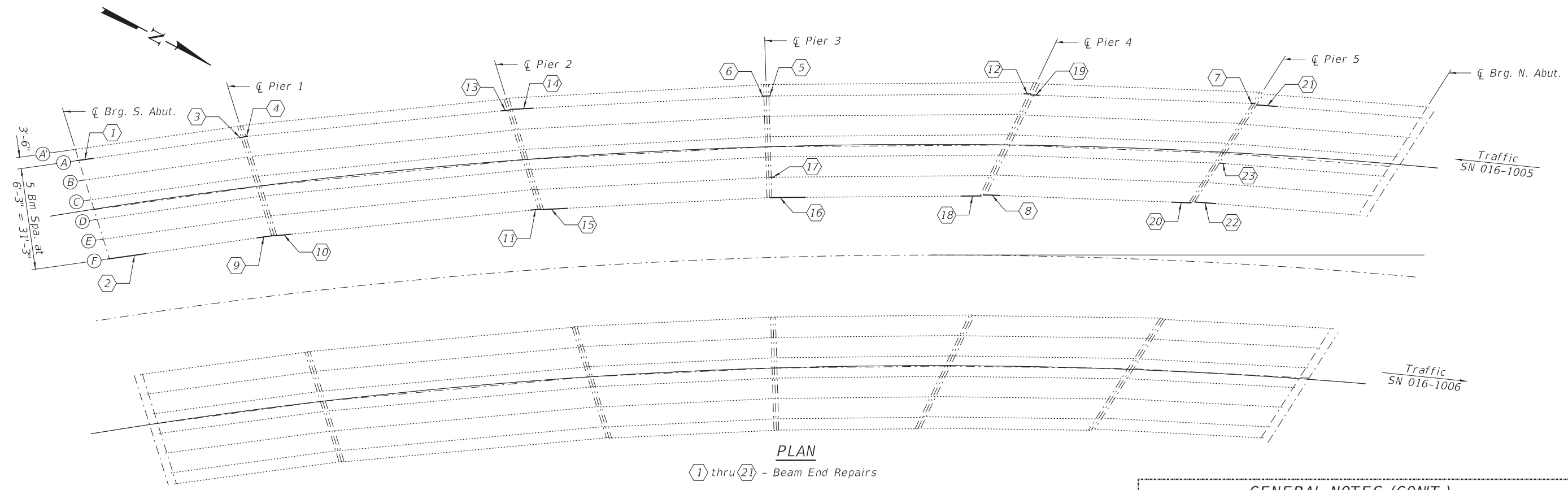
**FROM JOLIET ROAD TO THE SANITARY SHIP CANAL
SUMMARY OF QUANTITIES**

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

| | | | | |
|---------------------------|---------------|--------|--------------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 372 | FAP-372-22-BR | COOK | 31 | 3 |
| ILLINOIS FED. AID PROJECT | | | CONTRACT NO. 62R56 | |



ELEVATION



PLAN

① thru ②① - Beam End Repairs

GENERAL NOTES

All structural steel shall conform to AASHTO Classification M-270 Gr. 36, unless otherwise noted.
 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.
 Fasteners shall be high strength bolts. Bolts 3/4"Ø, open holes 1 3/16"Ø, unless otherwise noted.
 Existing structural steel that will be in contact with new structural steel shall be cleaned and painted prior to erection as required by the special provision "Cleaning and Painting Contact Surface Areas of Existing Steel Structures".
 Cost of removal and re-installation of all members necessary to complete the work as detailed on the plans and as specified in the Special Provisions shall be included with Furnishing and Erecting Structural Steel.
 All structural steel shall be hot dip galvanized according to Special Provision "Hot Dip Galvanizing for Structural Steel".
 The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project.

GENERAL NOTES (CON'T.)

Existing diaphragm ends abutting new repair plates shall be trimmed 1/2" where required to clear repair plates.

BILL OF MATERIAL

| ITEM | UNIT | QUANTITY |
|-------------------------|-------|----------|
| Structural Steel Repair | Pound | 9050 |
| | | |
| | | |



Tim's Signature

1

REVISED SHEET 6/29/2022

DESIGNED - Chi-Cheung Chau
 CHECKED - Jeffrey S. Burke
 DRAWN - daburdell
 CHECKED - CCC JSB

EXAMINED - *Tim A. Beck*
 ENGINEER OF STRUCTURAL SERVICES
 PASSED - *Jayme F. Schiff*
 ENGINEER OF BRIDGES AND STRUCTURES

DATE - JUNE 8, 2022
 REVISED 1 06/23/2022 CCC
 REVISED -

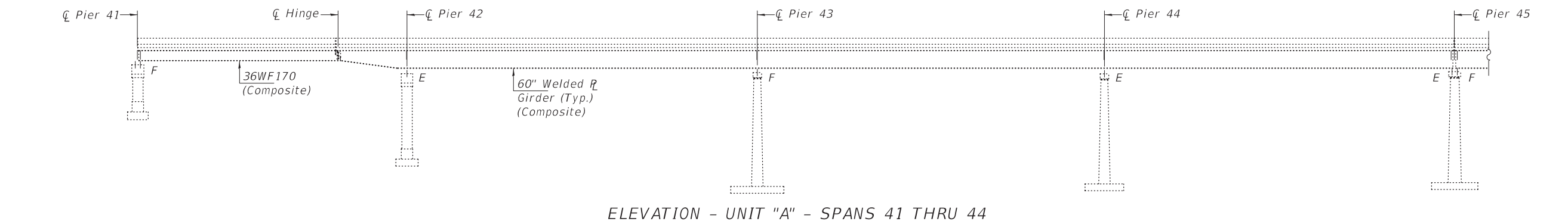
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

GENERAL PLAN AND ELEVATION
 FAP 372 (IL 171) OVER JOLIET RD & BNSF RR SPUR
 SN 016-1005 (SB)

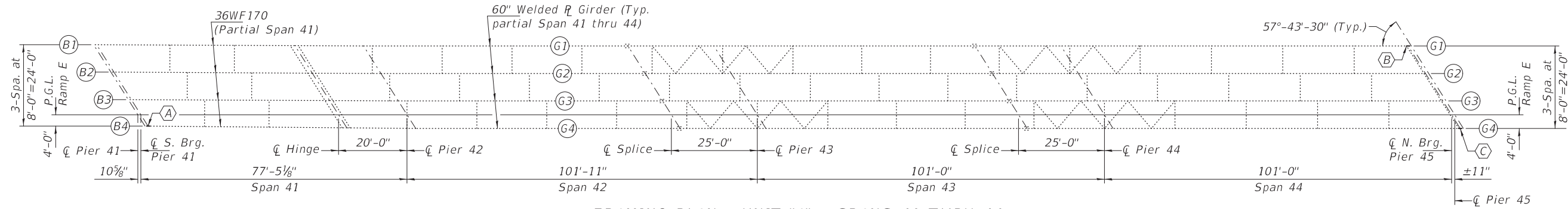
SHEET NO. 1 OF 9 SHEETS

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|---------------|--------|--------------|-----------|
| 372 | FAP-372-22-BR | COOK | 31 | 4 |
| CONTRACT NO. 62R56 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

EXPIRES 11-30-2022

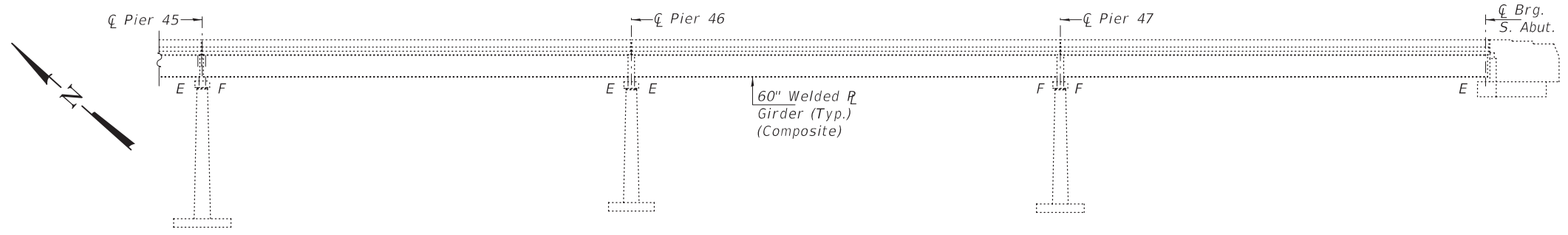


ELEVATION - UNIT "A" - SPANS 41 THRU 44

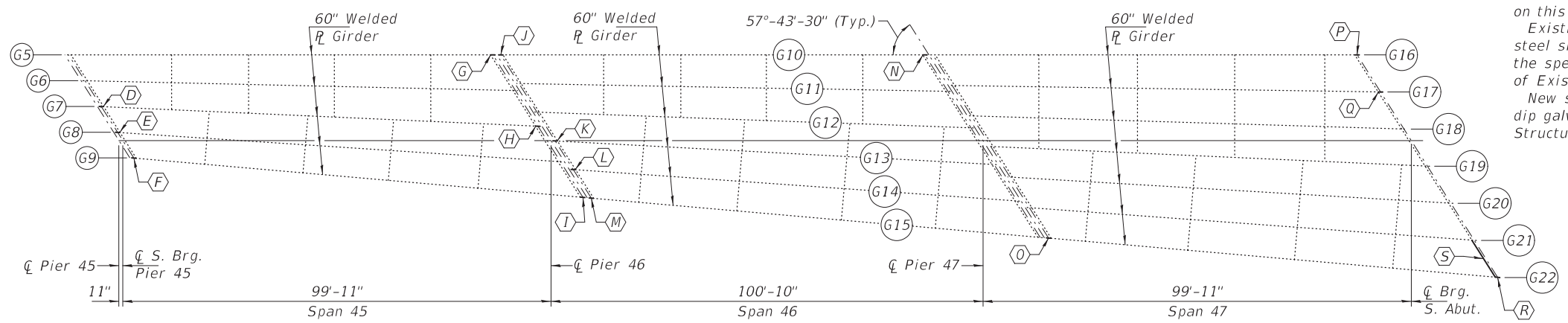


FRAMING PLAN - UNIT "A" - SPANS 41 THRU 44

(A) thru (C) - Beam/Girder End Repairs
(See sheets 2 & 3 of 7.)



ELEVATION - UNIT "B" - SPANS 45 THRU 47



FRAMING PLAN - UNIT "B" - SPANS 45 THRU 47

(D) thru (R) - Girder End Repairs
(See sheets 3 thru 7 of 7.)
(S) - Cross Frame Repair
(See sheets 6 of 7.)

GENERAL NOTES

All structural steel shall conform to AASHTO Classification M-270 Gr. 36, unless otherwise noted.
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.
Fasteners shall be high strength bolts. Bolts 3/4"Ø, open holes 1 1/8"Ø, unless otherwise noted.
The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project.
Existing structural steel that will be in contact with new structural steel shall be cleaned and painted prior to erection as required by the special provision "Cleaning and Painting Contact Surface Areas of Existing Steel Structures".
New structural steel, connection bolts, nuts and washers shall be hot dip galvanized according to Special Provision "Hot Dip Galvanizing for Structural Steel".

TOTAL BILL OF MATERIAL

| ITEM | UNIT | QUANTITY |
|-------------------------|-------|----------|
| Structural Steel Repair | Pound | 3000 |

REVISED SHEET 6/29/2022



Tim's Signature

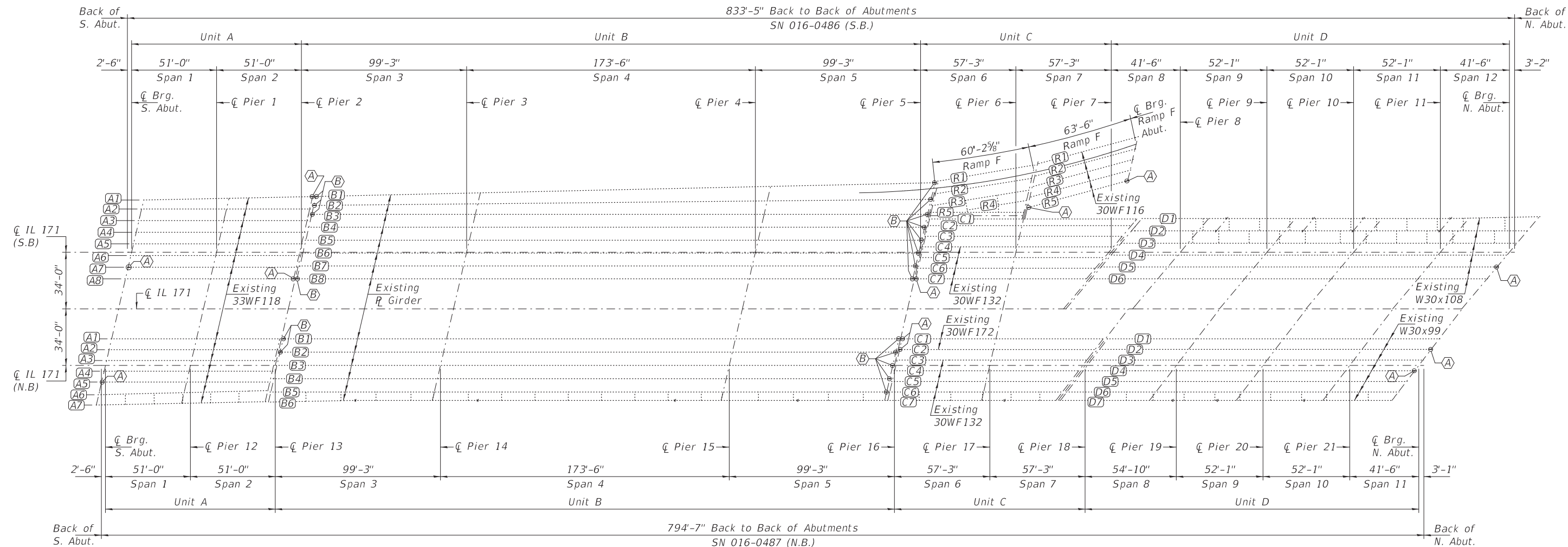
Expires: November 30, 2022

| | | |
|----------------------------|--------------------------------------|------------------------------|
| DESIGNED - Chi-Cheung Chau | EXAMINED - <i>Tim A. [Signature]</i> | DATE - JUNE 9, 2022 |
| CHECKED - Jeffrey S. Burke | PASSED - <i>Jayme E. Schiff</i> | REVISIONS - 1 06/23/2022 CCC |
| DRAWN - STEFFEN | | REVISIONS - |
| CHECKED - JSB | | |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FRAMING PLAN AND ELEVATION
ILLINOIS 171 (S.B.) RAMP "E" OVER DES PLAINES RIVER
SN 016-1026
SHEET NO. 1 OF 7 SHEETS

| | | | | |
|---------------------------|-----------------------|-------------|-----------------|--------------|
| F.A.P. RTE. 372 | SECTION FAP-372-22-BR | COUNTY COOK | TOTAL SHEETS 31 | SHEET NO. 13 |
| CONTRACT NO. 62R56 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |



FRAMING PLAN

- (A) - Wide Flange Beam End Repair
- (B) - Welded R Girder End Repair

GENERAL NOTES

All structural steel shall conform to AASHTO Classification M-270 Gr. 36, unless otherwise noted.

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.

Fasteners shall be high strength bolts. Bolts 3/4"Ø, open holes 1 3/16"Ø, unless otherwise noted.

The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project.

Existing structural steel that will be in contact with new structural steel shall be cleaned and painted prior to erection as required by the special provision "Cleaning and Painting Contact Surface Areas of Existing Steel Structures".

New structural steel, clip angles, connection bolts, nuts and washers shall be hot dip galvanized according to Special Provision "Hot Dip Galvanizing for Structural Steel".

Existing diaphragm ends abutting new repair plates shall be trimmed 1/2" where required to clear repair plates.

TOTAL BILL OF MATERIAL

| ITEM | UNIT | QUANTITY |
|-------------------------|-------|----------|
| Structural Steel Repair | Pound | 6330 |



Tim's Signature

Expires: November 30, 2022

| | | |
|----------------------------|------------------------------------|--------------------------|
| DESIGNED - Chi-Cheung Chau | EXAMINED - <i>Tim A. Deet</i> | DATE - JUNE 9, 2022 |
| CHECKED - Jeffrey S. Burke | ENGINEER OF STRUCTURAL SERVICES | |
| DRAWN - STEFFEN | PASSED - <i>Jayme Schiff</i> | REVISED 1 06/23/2022 CCC |
| CHECKED - CCC JSB | ENGINEER OF BRIDGES AND STRUCTURES | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FRAMING PLAN
ILLINOIS ROUTE 171 FIRST AVE. OVER S&S CANAL
SN 016-0486 (S.B.) & -0487 (N.B.)
SHEET NO. 1 OF 9 SHEETS

| | | | | |
|---------------------------|-----------------------|-------------|-----------------|--------------|
| F.A.P. RTE. 372/373 | SECTION FAP-372-22-BR | COUNTY COOK | TOTAL SHEETS 31 | SHEET NO. 20 |
| CONTRACT NO. 62R56 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

REVISED SHEET 6/29/2022