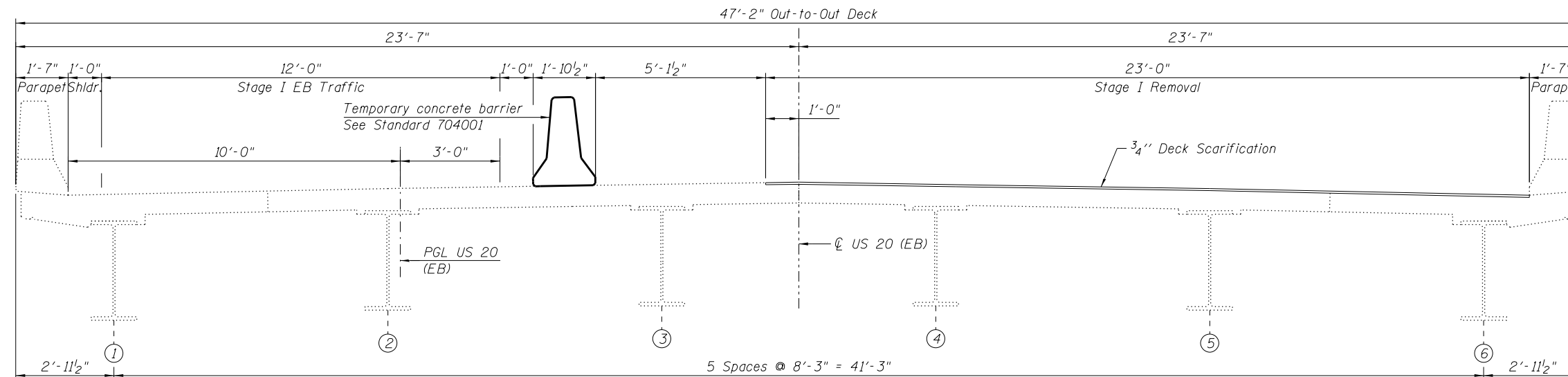


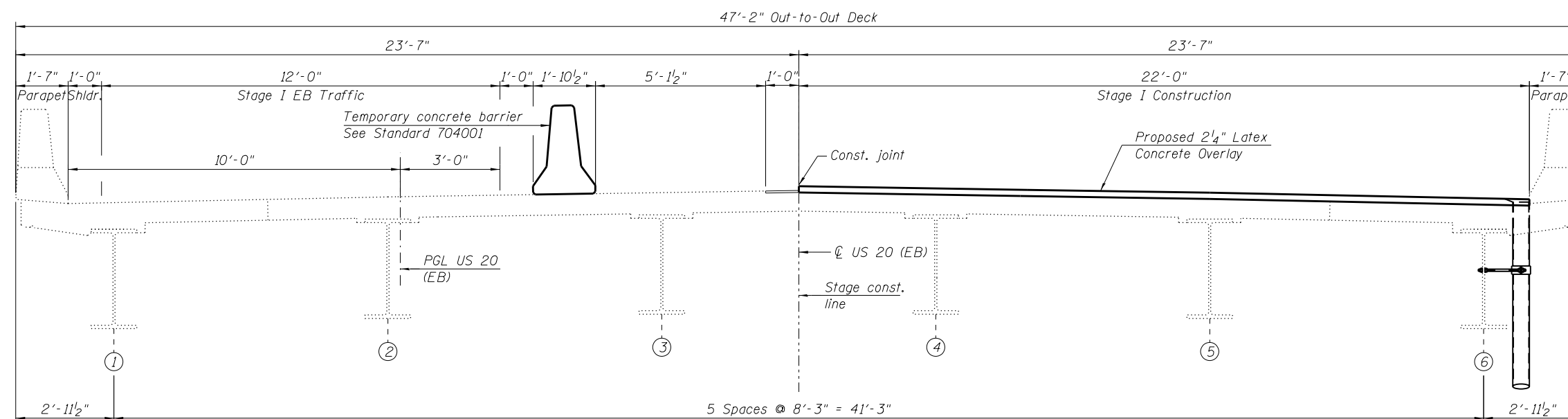
PRELIMINARY APPROACH CONSTRUCTION

(North and South Approach Shoulders Temporary Construction Looking South)



STAGE I REMOVAL

(Span 1 Shown Others Similar, Looking South)



STAGE I CONSTRUCTION

(Span 1 Shown Others Similar, Looking South)

PRELIMINARY APPROACH CONSTRUCTION

1. Install Type II barricade with steady burn light as shown to locate traffic lane on the west side of the existing structure.
2. Modify existing approach inlets by plating inlets and place temporary overlay on the approach pavement shoulders. See roadway plans for details.

STAGE I REMOVAL

1. Install temporary concrete barrier as shown and locate traffic lane on the east side of the existing structure.
2. Remove 3/4" from the deck slab using scarification.
3. Remove areas of existing deck for full depth deck slab repairs.
4. Remove the concrete deck adjacent to expansion joints at the North and South Abutments, and Piers 6 and 9.
5. Remove existing deck drains, downspouts and connections to existing steel beams and girders.
6. Remove existing diaphragms at South Abutment and Piers 6 and 9.
7. Remove angles supporting the existing diaphragms at their ends.
8. Cut and remove the stiffeners interfering with end of beam repairs.

STAGE I CONSTRUCTION

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

1. Perform full depth deck slab repairs.
2. Replace deteriorated concrete deck for areas where the existing deck drains were removed.
3. Plug the existing deck drains and install new deck drains.
4. Perform end of beams/girders 4 thru 6 repairs and replace diaphragms between beams 3 and 6 at South Abutment and Piers 6 and 9.
5. Temporarily shore beams 4 thru 6 at Piers 6 (spans 6 and 7) and 9 (spans 9 and 10).
6. Perform structural concrete repairs for the abutments and Piers 6 and 9.
7. Jack and remove existing bearings 4 thru 6 at North and South Abutments and replace with Type II Elastomeric Expansion Bearings.
8. Prior to removal of temporary shoring in item 5, remove and replace existing bearings for beams 4 thru 6 at Piers 6 and 9.
9. Replace concrete deck adjacent to expansion joints at North and South Abutments and Piers 6 and 9, perform grooving and install new preformed joint strip seal expansion joints.
10. Paint the bottom face of bottom flange, exterior web face, and exterior bottom face of top flange on fascia beams/girders.
11. Paint 10 feet of beams 4 thru 6 on both sides of Piers 6 and 9, on south side of North Abutment, and on north side of South Abutment.
12. Perform epoxy crack injection for Pier 8.
13. Clean bridge seats and apply concrete sealer at North and South Abutments and Piers 6 and 9.
14. Apply 2 1/4" bridge deck latex concrete overlay to bridge deck slab.
15. Perform bridge deck grooving for the 2 1/4" bridge deck latex concrete overlay area.
16. Apply protective coat for the top and inside faces of existing parapets, and reconstructed transverse expansion joint areas.
17. Repaint pavement markings on the top of deck.

HBM
ENGINEERING GROUP, LLC
CONSULTING & DESIGN
INSPECTION & TESTING
RESEARCH & TESTING

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

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| DESIGNED - WM, MI | REVISD - |
| CHECKED - MI | REVISD - |
| DRAWN - WM | REVISD - |
| CHECKED - MAI, MI | REVISD - |

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| DATE - 03/13/2013 |
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PRELIMINARY STAGE & STAGE I CONSTRUCTION
EB US ROUTE 20 OVER PECATONICA RIVER STRUCTURE NO. 089-0042**

SHEET NO. S03 OF S26 SHEETS

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------------|--------------|------------|---------------------------|-----------|
| 0301 | (177-4B-11M) | STEPHENSON | 43 | 20 |
| CONTRACT NO. 64J24 | | | ILLINOIS FED. AID PROJECT | |