STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I.C.C. F.A.P. 338	0	WILL		
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

SHEET NO. 4
5 SHEETS

*11358 & 1138-R

Criteria

1. Outages:
   Track outages between 24 and 48 hours will be structured such that Sunday will comprise 24 hours of outage with the outage balance occurring on either Saturday or Monday as train traffic dictates.

   Track outages between 8 and 24 hours may occur any day beginning at approximately 7:00 a.m.

   Outages greater than 8 hours will require a 48-hour minimum advance notice.

   Sunday is the preferred day for outages of any duration.

   Track outages less than 8 hours will be dependent upon actual EJ&E traffic levels at the time of the construction. Advance notice will be required.

2. All construction within 7.62 meters of the track (7.62 meters either side of the track centerline) must cease during train movements through the construction area. Construction equipment shall be pulled back to clear track centerline by 3.81 meters during train movements. There are approximately 12 to 18 trains per day.

3. Railroad operating speed will be reduced to 40 km/h during construction.

Advance Work - Slurry Wall Construction through Railroad Embankment

The slurry wall will be constructed prior to the construction of the bridge.

Railroad forces to remove and replace track 1 time for each of four slurry wall segments and 1 time for the preparatory work. The length of each of the interruptions is limited to 24 hours.

Construct south side of west abutment.
Construct north side of west abutment.
Construct south side of east abutment.
Construct north side of east abutment.

Stage I - Roll-In Bridge Construction (Stage I can be performed concurrently with Stage II.)

Bridge to be constructed over the existing Illinois Route 59 while maintaining the existing vertical clearance.

a. Construct drilled shafts that will support future track and roll-in bridge.
b. Construct cast-in place cap and cast-in-place approach slab for future track.
c. Construct roll-in bridge.

Stage II - Bridge Construction (Both Abutments shall be constructed concurrently.)

a. Install jump span piles.
   The length of outage is limited to 12 hours. The anticipated number of outages per abutment is 5.
b. Railroad forces to remove track.
   Excavate and install precast concrete pile caps and bearings.
   Lift prefabricated jump span into place.
   Railroad forces to install track. Weld or bolt rail joints.
   The length of outage is limited to 24 hours. The anticipated number of outages per abutment is 1.
c. Remove jump span when conflict occurs.
   Construct abutment drilled shafts.
   Replace jump span.
   The length of outage is limited to 16 hours. The anticipated number of outages per abutment is 4.
d. Excavate to bottom of abutment cap level.
   Construct cast-in-place abutment cap.
e. Widen embankment to the south.
f. Remove jump span.
   Railroad forces to remove track between jump span and existing abutment.
   Remove ballast and excavate as required.
   Remove temporary precast pile cap where interference with tie-back installation occurs.
   Install tie-backs that interfer with the railroad embankment.
   Install temporary precast pile cap.
   Backfill and add ballast.
   Install jump span.
   Railroad forces to install track.
   The length of outage is limited to 36 hours.
   The anticipated number of 36 hour outages per abutment is 1.
g. Proof tie-backs.
   The length of outage is limited to 8 hours. The anticipated number of outages per abutment is 1.

Stage III - Roll-In

Interrupt railroad service 1 time.
The length of outage is limited to 48 hours.

Vehicular traffic (including trucks) on Illinois Route 59 will be rerouted during this period.

a. Railroad forces to remove track.
b. Remove jump span.
c. Remove existing bridge superstructure and interfering portion of abutments and embankments.
d. Roll-in superstructure. Install bearings. Lower superstructure.
e. Add ballast. Install prefabricated sections of ties and rails.
f. Install precast concrete backwall and approach slab for existing track.
g. Place embankment, ballast and track at jump span location.
h. Railroad forces to install and splice new rails to the rails on existing embankment.

Stage IV - Bridge Removal and Vehicular Traffic Staging

1. Remove existing east abutment. Construct temporary pavement. Shift vehicular traffic to the east.
2. Remove existing west abutment. Reconstruct and lower roadway at bridge location. Restore truck traffic.
3. Construct concrete panels on face of abutment.

Notes

1. Work this sheet with Sheet No. 3.
2. All Trackwork shall be done by Railroad Forces.

DESIGNED	PCA
CHECKED	DD
DRAWN	JRB
CHECKED	DD

HNTB CORPORATION

TYPE, SIZE & LOCATION
SEQUENCE OF CONSTRUCTION
NOTES

EJ & E RR OVER IL. RTE. 59
F.A.P. RTE. 338, SEC. 11358 & 1138-R
WILL COUNTY
STA. 0+500.00
STR. NUM. 099-0343

Scale: .... Date: 5-24-99

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