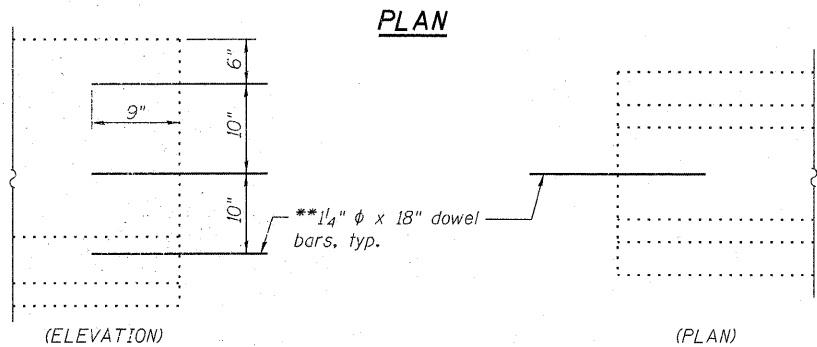


*** Match existing dimensions. Protective Coat shall be applied on top and side faces of new barrier.



BARRIER REPAIR DETAIL

**Drill and epoxy grout according to Article 584 of the Standard Specifications, included in the cost of Concrete Barrier Removal and Replacement Double Face.

Notes:

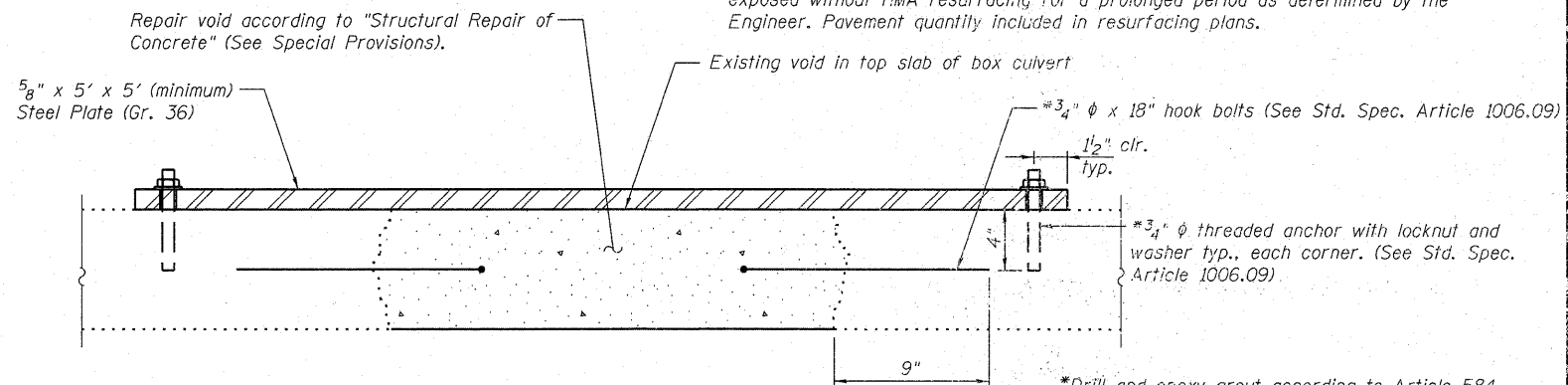
Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall 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.

Sinkhole repair dimensions shown are based on 01-05-11 field inspection and should not be considered final. The actual dimensions to be repaired will be determined by the Engineer at the time of construction.

It shall be the Contractor's responsibility to verify the location of the existing underground and/or median barrier utilities prior to starting construction.

SCOPE OF WORK

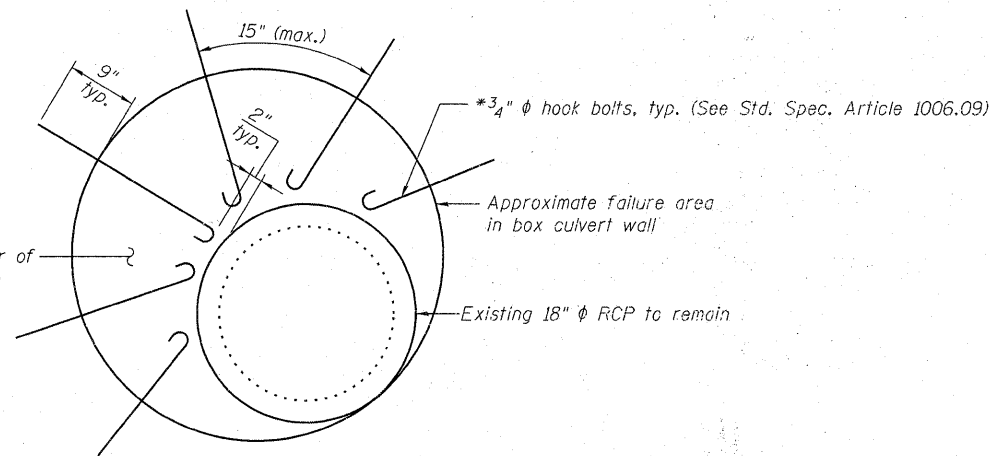
1. Saw cut and remove shoulder pavement according to Article 440 of the Standard Specifications. The sinkhole excavation limits shall be approved in the field by the Engineer.
2. Saw cut and remove Concrete Median Barrier as shown.
3. Remove concrete inlet structure and existing soil within the limits of excavation to a minimum depth of 2 feet below original grade or as necessary to complete culvert repairs. Replace with Granular Subbase according to Article 311 of the Standard Specifications. Contractor shall take appropriate precautions to protect the roadway during excavation and repair.
4. Repair culvert wall and top slab of culvert.
5. Replace the Concrete Median Barrier to match existing conditions and in accordance with Article 637 of the Standard Specifications.
6. Replace shoulder pavement according to the resurfacing plans. The Contractor shall take appropriate measures to prevent the Granular Subbase from being exposed without HMA resurfacing for a prolonged period as determined by the Engineer. Pavement quantity included in resurfacing plans.



SECTION THRU TOP SLAB OF CULVERT

*Drill and epoxy grout according to Article 584 of the Standard Specifications, included in the cost of Structural Steel Repair.

Repair void according to "Structural Repair of Concrete" (See Special Provisions) prior to backfilling and compacting behind culvert.



ELEVATION VIEW OF CULVERT WALL AT 18" RCP

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Removal and Disposal of Unsuitable Material	Cu. Yd.	29.3
Paved Shoulder Removal	Sq. Yd.	30
Subbase Granular Material, Type B	Cu. Yd.	29.3
Concrete Barrier Removal and Replacement Double Face, 42 in.	Foot	20
Structural Repair of Concrete (Depth Greater than 5 in.)	Sq. Ft.	20
Structural Steel Repair	Pound	640
Protective Coat	Sq. Yd.	20

1.13.11

ELIN ENGINEERING, LTD.
Consulting Engineers
Chatham, Illinois

USER NAME =	DESIGNED - ADB	REVISED -
FILE NAME =	CHECKED - ADB	REVISED -
PLOT SCALE =	DRAWN - AJF	REVISED -
PLOT DATE =	CHECKED - MTH	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SINKHOLE LOCATION NOS. 2 & 3
NEAR STATION 262+20**

SHEET NO. 2 OF 4 SHEETS

F.A.I. RTE. 55	SECTION 2010-079-RS	COUNTY COOK/DUPAGE	TOTAL SHEETS 26	SHEET NO. 208
ILLINOIS FED. AID PROJECT			CONTRACT NO. 60L67	