DECK SURVEY PERFORMED ON APRIL 8, 2009. IF MORE THAN ONE WINTER FREEZE-THAW CYCLE OCCURS BETWEEN THE INITIAL INSPECTION AND THE COMMENCEMENT OF WORK, THE FINAL PLAN QUANTITIES FOR DECK REPAIRS MUST BE BASED ON A NEW INSPECTION OF THE DECK.

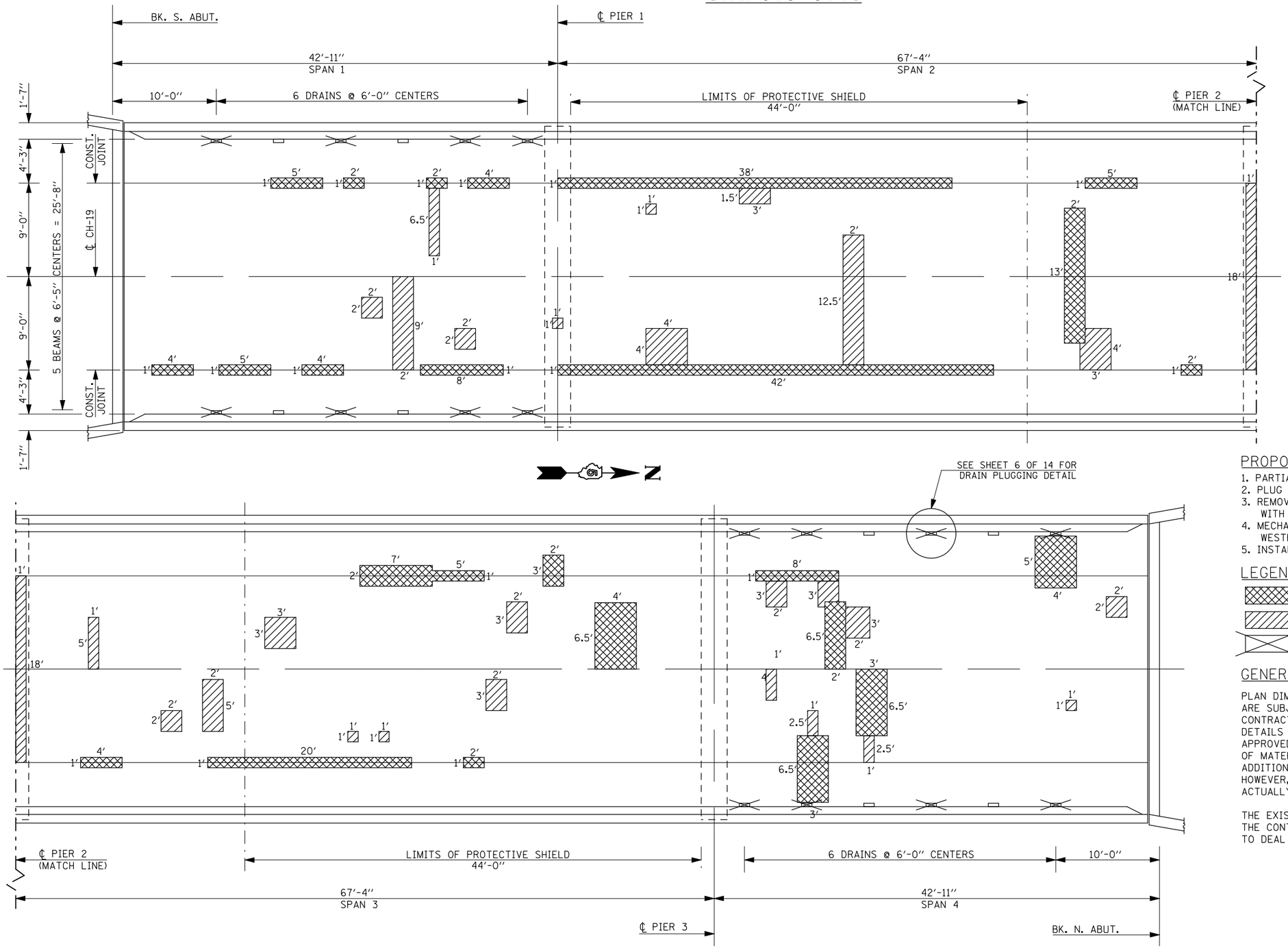
GENERAL PLAN
S.N. 010-0146

THE EXISTING OVERHEAD STRUCTURE WAS BUILT IN 1969 AS FA ROUTE 11, SECTION 10-71HB AT STATION 1780+09.74 IN CHAMPAIGN COUNTY.

THE SUPERSTRUCTURE CONSISTS OF A 7" R.C. SLAB AND FIVE WF-30 STEEL I-BEAMS SUPPORTED BY THREE HAMMERHEAD PIERS AND STUB ABUTMENTS. THE STRUCTURE MEASURES 220'-6" FROM BACK TO BACK OF ABUTMENT. THE DECK HAS A CLEAR WIDTH OF 26'-6" AND AN OUT-TO-OUT WIDTH OF 29'-8".

METHOD OF CONSTRUCTION: ROAD CLOSURE (UTILIZING BLR STD. 21-8)

SEE PROPOSED IMPROVEMENTS ON THIS SHEET.



TOTAL BILL OF MATERIALS

ITEM	UNIT	TOTAL
DECK SLAB REPAIR (FULL DEPTH, TYPE I)	SQ YD	5.0
DECK SLAB REPAIR (FULL DEPTH, TYPE II)	SQ YD	30.0
DECK SLAB REPAIR (PARTIAL)	SQ YD	23.0
ELASTOMERIC BEARING ASSEMBLY, TYPE II	EACH	10.0
JACK AND REMOVE EXISTING BEARINGS	EACH	10.0
FURNISH AND ERECT STRUCTURAL STEEL	POUND	1090.0
PLUG EXISTING DECK DRAINS	EACH	16.0
SILICONE JOINT SEALER, 1.5"	FOOT	60.0
ANCHOR BOLTS, 1" Ø	EACH	20.0
PROTECTIVE SHIELD	SQ YD	250.0
STRUCTURAL STEEL REPAIR	POUND	430.0
BEAM STRAIGHTENING	L SUM	1.0

PROPOSED WORK

1. PARTIAL AND FULL-DEPTH DECK SLAB REPAIR.
2. PLUG EXISTING FLOOR DRAINS.
3. REMOVE EXISTING STEEL ROCKER BEARINGS AND REPLACE WITH ELASTOMERIC BEARINGS.
4. MECHANICALLY STRAIGHTEN WEST FASCIA BEAM OVER WESTBOUND LANES.
5. INSTALL SILICONE JOINT SEALER AT EXPANSION JOINTS.

LEGEND

- DECK SLAB REPAIR, FULL-DEPTH
- DECK SLAB REPAIR (PARTIAL)
- PLUG EXISTING DECK DRAINS

GENERAL 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 WORK, HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED AT THE UNIT PRICE BID FOR THE WORK.

THE EXISTING STRUCTURAL STEEL COATING CONTAINS LEAD. THE CONTRACTOR SHALL TAKE APPROPRIATE PRECAUTIONS TO DEAL WITH THE PRESENCE OF LEAD ON THIS PROJECT.