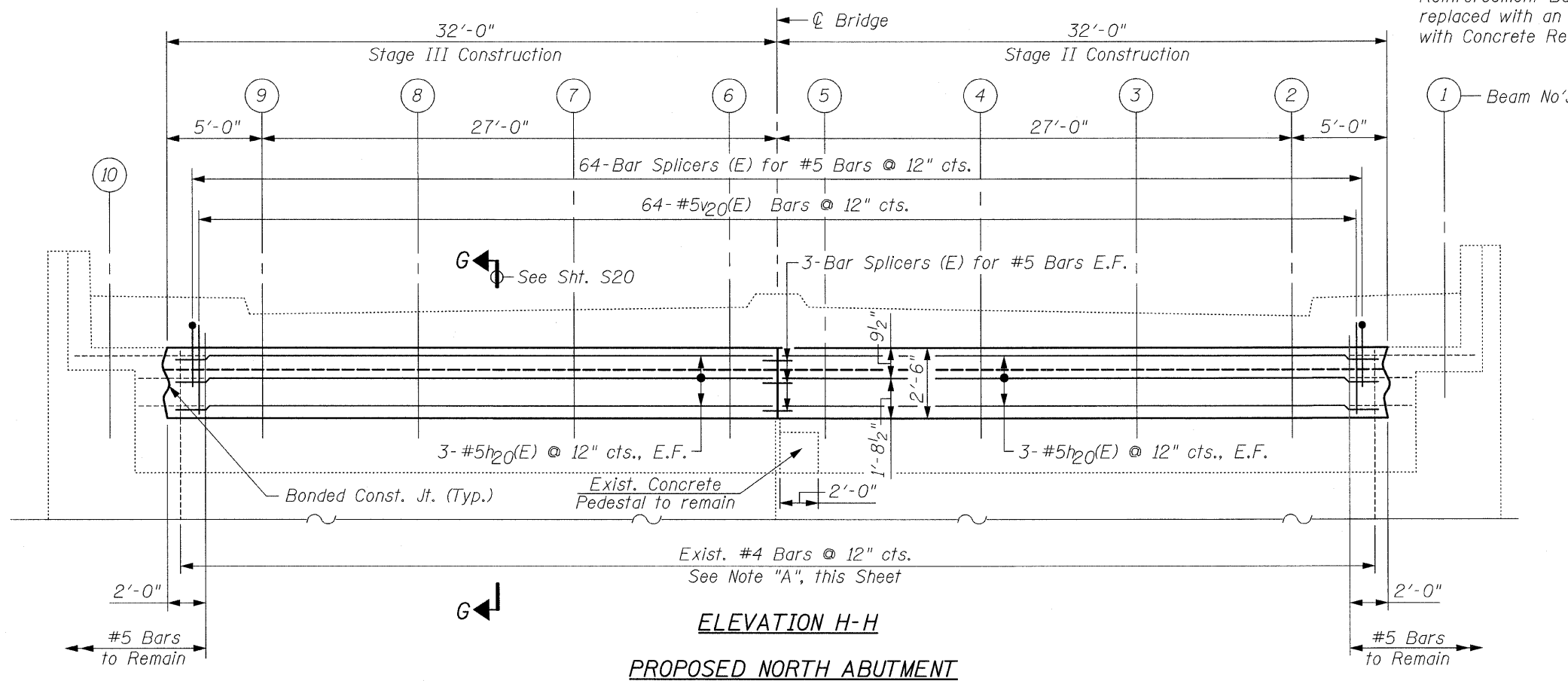


LEGEND:

	Concrete Removal
	Structural Repair of Concrete (Depth Equal to or Less than 5 in.)

NOTE "A"

The Existing Reinforcement Bars extending into the removal area shall be cleaned, straightened and incorporated into the new Construction. Any Reinforcement Bars that are damaged during Concrete Removal shall be replaced with an approved Bar Splicer or Anchorage System. Cost included with Concrete Removal.



BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h20(E)	12	#5	31'-8"	—
v20(E)	64	#5	3'-2"	—
Concrete Structures			Cu. Yd.	8.0
Concrete Removal			Cu. Yd.	8.0
Reinforcement Bars, Epoxy Coated			Pound	610
Structural Repair of Concrete (Depth Equal to or Less than 5 in.)			Sq. Ft.	8
Bar Splicers			Each	70
Porous Granular Embankment, Special			Cu. Yd.	20
Structure Excavation			Cu. Yd.	20

NOTES:

Work this Sheet with Sht. S20
See Sht. S27 for Bar Splicer Assembly Details

FILE NAME = abut_no_remove_replace.dgn
PLOT DATE = 7/8/2009

CHRISTIAN-ROGE & ASSOCIATES, INC.
ENGINEERS-PLANNERS-SURVEYORS
211 WEST WACKER DRIVE
CHICAGO, ILLINOIS 60606
PHONE: (312)372-2023 FAX: (312)372-5274

DESIGNED - B.N.S./J.C.N.	REVISED -
DRAWN - D.L./R.E.S./F.M.	REVISED -
CHECKED - B.N.S./J.C.N.	REVISED -
DATE - JULY 8, 2009	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

NORTH ABUTMENT REPAIRS
KEDZIE AVENUE OVER CAL-SAG CHANNEL S.N.016-0762

SCALE: SHEET NO. S23 OF S29 SHEETS STA. TO STA.

F.A.U. RTE. 2831	SECTION 1313, 1-1-2	COUNTY COOK	TOTAL SHEETS 41	SHEET NO. 32
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 60D75	