Pour steps monolithically with cap. For details of piles see sheet S-39. Existing reinforcement shall be cleaned and incorporated into the new construction. Cost included with Concrete Removal. 6'-2³4" 4'-9" 4'-5⁵8" All concrete edges shall have standard 3_4 " chamfer. - Measured along Back of Abutment Fan 5-#5 h4(E) bars Each Face - Elev. 610.52 See sheet S-5 and S-6 for Concrete Removal details. Bend in field as required *Elev. 606.73 2'-6" min. 4-#7 p(E) bars and $-v_1(E)$ Exist. Abutment 6-#7 p₁(E) bars See Sec. Thru Abut. -Prop. @ of (Trim to Fit) Roadway 8-#5 h₄(E) bars— at 12" cts. — Elev. 606.56 — Elev. 606.68 — Elev. 606.62 Each Face Bend in field Bonded Construction Joint as required — *Elev. ±603.36 -3" (Measured along Optional Construction Joint — Elev. 603.06 € of Aubtment) 1-#5 s₃(E[']) bars— 3-#5 v₇(E) bars at 12" cts. Each Face Prop. -Existing Metal Metal Shell Pile, typ. Shell Pile, typ. $2-#5 s_p(E) bars \rightarrow$ 94" Lap p(E) bars, and 5- #5 s₂(E) $-p_1(E)$ bars with exist. bars at ±10½" typ. reinforcement cts., typ. btwn piles Stage I Construction **ELEVATION** Prop. Retaining * Elevations based on Existing Plans by Wall, SN 047-8801 Hazelet & Endal, Inc. Contractor to verify in field. (Looking East) 32'~3³4" -Back of Abutment - Geocomposite 14'-71₈" 2" Preformed Joint Filler, 18'-11³8" 2 Beam spa at 4'-9" = 9'-6" Cost included with Concrete (Measured along € of Abutment) Structures @ Beam A-1'-8" DETAIL A 18°53′3′″ Beam B ─ → ⊈ Beam 1-Exist. @ of 3-#5 v₁(E) bar Skew 4-#5 v1(E) Roadway - € Exist. at 12" cts. bars at 12" cts. lu(E) — -€ Abut Front Face Beam typ. and Piles s3(E)typ. btwn beams of Abutment See Detail A $p_1(E)$ Back of Abut.-Prop. Metal-Construction Shell Pile, typ. Sta. 19+67.75 -Back of Abutment Joint Prop. € of Roadway 2 Pile spa. at 5'-0" = 10'-0" 19'-14" -1¹⁵₁₆ " at Bk of West Abut. (measured perpendicular to 13 #5 $v_1(E)$ bars at 12" cts. proposed ℚ) 15'-53_{8"} MIN. BAR LAP PLAN #5 bar 2'-11" #8 bar 4'-8" Stage I Construction SEC Group, Inc. TOTAL SHEET NO. DESIGNED - JPG REVISED USER NAME = whood SECTION COUNTY PB Americas, Inc. **WEST ABUTMENT** CHECKED -SSM REVISED STATE OF ILLINOIS 591 KENDALL 429 277 14BR-1 230 WEST MONROE STREET,

DEPARTMENT OF TRANSPORTATION

STRUCTURE NO. 047-0051

SHEET NO. S-27 OF S-43 SHEETS

CONTRACT NO. 66985

ILLINOIS FED. AID PROJECT

SUITE 900 CHICAGO, IL. 60606

PLOT SCALE =

PLOT DATE = 10/14/2011

DRAWN

CHECKED

WJH

RGD

REVISED

REVISED