STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.	NH-IM-520-1(15)	301	132

RAMPS AT I-20/I-520 INTERCHANGE

STAGE 1

1) Maintain traffic on all existing ramps.
2) Excavate temporary sediment basin STA 221+00 to 223+00 LT Ramp G. Construct proposed storm drainage system GG-1 to GG-1A. Construct temporary drainage system T1-41 to T1-42 Ramp D. Construct temporary drainage systems T1-31 to T1-32 and to T1-33.
3) Construct Ramp G flyover bridge from STA 229+39+/- to 235+00+/- and from STA 238+54+/- to 241+83+/-. Maintain traffic on existing loop ramps.
4) Excavate temporary sediment basin in Pond 2 area STA 71+00+/- to 73+00+/- LT I-520. Construct proposed pond outfall OS-2 to OF-2 (jack or bore existing Ramp A). Construct temporary pavement and T1-91 and T1-92. Excavate temporary ditches as shown STA 72+50+/- to 75+00+/- LT I-520 and STA 76+00+/- to 78+00+/- LT I-520.
5) Excavate temporary sediment basin in Pond 5 area inside Ramp F. Construct proposed pond outfall system OS-5 to OF-5.
6) Excavate temporary sediment basin in Pond 7 area STA 84+00+/- to 88+00+/- LT I-520. Use temporary pavement for Ramp F traffic and construct proposed pond outfall OS-7 to OF-7.
7) Construct temporary shoring Ramp D STA 158+00+/- to 170+00+/- LT. Construct Ramp D from STA 149+97+/-, the tie in at the I-520 NB CD Lane, to STA 174+00. Note: Wall 7 construction was part of Project STP-7006(6) from STA 174+00+/- to 184+00 RT. Construct Wall 7 from STA 149+97+/- to 174+00+/- RT.
8) Excavate temporary sediment basin in Pond 9 area STA 103+00+/- to 105+00+/- RT I-20. Construct temporary basin outfall system T1-21 to T1-23.
9) Excavate temporary sediment basin in Pond 6 area inside Ramp E. Construct temporary basin outfall system T1-51 to T1-52.
10) Excavate temporary sediment basin in Pond 8 area STA 84+50+/- to 87+50+/- RT I-520. Construct temporary basin outfall system T1-61 to T1-62. Construct temporary pavement to shift Ramp C traffic and construct temporary drainage system T1-67 to T1-66.
11) Construct Ramp H from STA 177+84+/- at the end of flyover bridge to 179+50+/-, including Wall 12. Construct Ramp H flyover bridge from STA 171+03+/- to 177+84+/-. (Maintain traffic on existing I-520 and existing loop ramps.)
12) Construct Perimeter Parkway from STA 94+58+/- to 120+45, including widen & overlay and new construction, while maintaining traffic and the access to the apartments at STA 112+25. It may be necessary to use flagmen and reduce traffic to one lane during part of this construction.
13) Construct temporary pavement to widen existing Ramp B on the southeastern side STA 122+00+/- to 134+00+/-. Construct Ramp B STA 146+90+/- to 160+86.
14) Construct Ramp C from STA 102+00 to 127+00 and from STA 140+00 at tie to Ramp G to 150+40+/-. Construct temporary pavement to widen existing Ramp C on the northeastern side STA 127+00+/- to 136+00+/-.
15) Construct temporary pavement to widen Ramp F on the outside of proposed shoulder from existing I-520 to I-20 EB CD Lane constructed this stage.

Stage 2

1) Maintain temporary sediment basins and temporary drainage structures constructed in Stage 1.
2) Close existing Ramp A after shifting traffic (WB I-20 to NB I-520) to Ramp J to Davis Road to Scott Nixon to NB I-520 constructed as part of Project STP-7006(6). See Detour Plan Sheet 16-96.
3) Maintain WB traffic using Ramp J to exit. Construct Ramp G between existing I-20 WB and existing Ramp J from STA 180+94 to 206+00. Do not construct median barrier. Use temporary striping, signs, and barrels to provide a temporary exit to Ramp J from existing WB I-20 using the Ramp G pavement just constructed. It will be necessary to shift the temporary exit as construction progresses. Construct Ramp J from Ramp G STA 180+94 to Ramp J STA 205+23.04.
4) Maintaining a temporary exit to Ramp J, continue construction of Ramp G from STA 206+00 to 222+00. Note: Wall 2 construction is part of project STP-7006(6) from STA 209+48+/- to 214+48+/-. Construct Wall 2 from STA 214+48 to 217+31 at Ramp A.
5) Construct Ramp A from it's tie to Ramp B to STA 233+33 at it's tie to I-520. Construct Wall 2 from Ramp G to STA 233+33 to tie to the wall at I-520.
6) Shift Ramp B traffic onto temporary pavement constructed in Stage 1. Construct Ramp B from STA 123+69 (at the end of Wall 1) at I-520 SB to 146+90 at I-20 WB. Construct Wall 1 as backfill is placed.
7) Shift Ramp C traffic onto temporary pavement constructed in Stage 1. Construct temporary shoring from STA 127+50 to 137+23 LT. Complete construction of Ramp C from STA 127+00 to 140+00.
8) Maintain traffic on existing Ramp 1. Construct Ramp D from STA 174+00 to 195+00. to tie to Ramp 1. Note: Wall 7 construction was part of project STP-7006(6) from STA 174+00+/- to 184+00+/- RT. Construct Wall 7 from STA 149+97+/- to 174+00+/- RT.
9) Using temporary striping, signs, and barrels provide a temporary entrance from Ramp 1 traffic (Davis Road) to I-20 EB in the median area. Complete construction of Ramp D from STA 195+00 to 205+38 at I-20 EB. It will be necessary to shift the temporary entrance as construction progresses.
10) Shift Ramp F traffic to temporary pavement constructed in Stage 1. Construct Ramp F full width.
11) Detour Ramp E traffic to Scott Nixon to Davis Road to Ramp 1 to EB I-20 and close Ramp E to traffic. Construct Ramp E full width and full depth from STA 134+40 (at I-520) to the I-20 EB CD Lane constructed in Stage 1.

STAGE 3

1) Shift traffic onto Ramp E constructed in Stage 2. Close the detour which utilizes Scott Nixon to Davis Road to Ramp J.
2) Shift traffic onto Ramp F. Remove the temporary pavement on outside of Ramp F and complete contruction of shoulders, including guardrail, etc.
3) As soon as Crossovers 3 & 4 are complete and I-520 traffic has been shifted to the new NB side, open Ramp G (from the exit at I-20 WB to STA 221+49+/-) and Ramp A to traffic (I-20 WB to I-520 NB) as well as Ramp J. Use temporary striping, signs, and barrels to provide a temporary exit from I-20 WB to Ramp G. (Close the detour which utilizes Ramp 1/Davis Road/Scott Nixon.)
4) Use temporary striping, signs, and barrels to provide a temporary exit from existing I-520 NB to new Ramp D to access I-20 EB exit (in the vicinity of STA 100+00 I-520). Abandon temporary Wall 3 parallel to Ramp D.
5) Construct Ramp H from STA 160+26+/-, tie-in at Ramp D, to 168+59, beginning of flyover bridge. Construct Wall 13 as the backfill is placed.
6) Use temporary striping, signs, and barrels to provide a temporary entrance from new Ramp C to I-520 SB (in the vicinity of STA 105+00 I-520). Shift Ramp C traffic (EB I-20 to SB I-520) from temporary pavement to new pavement. Construct the fill slopes from STA 127+00 to 140+00 LT. Construct Wall 5 as backfill is placed. (Abandon the temporary shoring.)
7) Construct temporary detour Ramp NW for traffic from NB I-520 to WB I-20.
8) Construct temporary drainage system (T3-23) at STA 182+25+/- Ramp H. Construct Ramp H from STA 180+50+/- to 187+00+/-, to tie with I-20 WB.
9) Construct Ramp G from end of bridge at STA 241+83+/- to 248+38+/- to tie to Ramp C.
10) Construct Ramp B from STA 117+42+/- at tie in to I-520 SB to 123+69.

STAGE 4

1) Shift ramp traffic NB I-520 to WB I-20 onto temporary Ramp NW.
2) Construct Ramp G flyover bridge from STA 235+00 to 238+54. Construct Ramp G from STA 222+00 to 227+19 at bridge. Complete construction of Ramp G and the flyover bridge STA 227+19 to 229+39. Open Ramp G to traffic and close and remove existing loop Ramp I-20 WB to I-520 SB.
3) Excavate Pond 2, Pond 3, Pond 5, and Pond 7 to final configurations.
4) Construct Ramp H flyover from STA 168+05 begin bridge to 171+03. Complete construction of Ramp H from STA 179+50 to 181+00. Open Ramp H to traffic I-520 NB to I-20 WB.. Close and remove temporary Ramp NW, I-520 NB to I-20 WB.
5) Excavate Pond 4, Pond 9, Pond 6, and Pond 8 to final configurations.
6) Open to traffic.

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DATE	REVISIONS	DATE	REVISIONS

GEORGIA
DEPARTMENT OF TRANSPORTATION
MAINTENANCE OF TRAFFIC PLAN
PROJECT: NH-IM-520-1(15)
COUNTY: RICHMOND
DATE:
DRAWING 16-01B

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