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R24

B25

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APPROACH SLAB -PHASE II - BRIDGE "Q" & "R"

GENERAL PLAN AND ELEVATION - BRIDGE "S" & "T"

SLOPE WALL PLANS - BRIDGE "O" & "R"

SLOPE WALL DETAILS - BRIDGE "Q" & "R"

SHEET No. **DESCRIPTION** SHEET No. DESCRIPTION FOUNDATION REPORT - BRIDGE "S" TITLE SHEET B27 INDEX OF SHEETS AND SEQUENCE OF CONSTRUCTION CONSTRUCTION SEQUENCE - BRIDGE "S" & "T" B28 3-8 TYPICAL SECTION SUMMARY OF QUANTITIES - BRIDGE "S" & "T" B29 9 PAY QUANTITIES AND NOTES (ROADWAY) SUBSTRUCTURE LAYOUT & RIPRAP DETAILS - BRIDGE "S" & "T" B30 10 GENERAL NOTES (ROADWAY) SUBSTRUCTURE EXCAVATION AND PIPE UNDERDRAIN DETAILS - BRIDGE "S" B31 11 BRIDGE GENERAL NOTES B32 ABUTMENT NO. 1 AND NO. 2 - BRIDGE "S" RAILROAD NOTES - BRIDGE "S" AND BRIDGE "T" 12 B33 ABUTMENT DETAILS - BRIDGE "S" 13-14 SUMMARY OF BRIDGE PAY QUANTITIES ABUTMENT BAR LIST - BRIDGE "S" B34 PAY QUANTITIES AND NOTES (SIGNING AND STRIPING) 15 B35 PIER NO. 1 AND NO. 2 - BRIDGE "S" PAY QUANTITIES AND NOTES (TRAFFIC CONTROL) 16 B36 PIER DETAILS - BRIDGE "S" 17 LIGHTING PAY QUANTITIES AND NOTES B37 TYPICAL CROSS SECTION - BRIDGE "S" 18--22 SUMMARY SHEET (ROADWAY) B38 LONGITUDINAL SECTION - BRIDGE "S" EROSION CONTROL DETAILS 23-25 B39 BEAM FRAMING PLAN AND BEARING DETAILS - BRIDGE "S" DRAINAGE MAP 26 ROLLED BEAM DETAILS - BRIDGE "S" 27 STORMWATER MANAGEMENT PLAN B40 DIAPHRAGM DETAILS - BRIDGE "S" B41-B42 STORM SEWER DESIGN 28-29 PLAN AND PROFILE SHEETS SLAB BOTTOM REINFORCING PLAN - BRIDGE "S" 30-36 B43 37-38 RIGHT FRONTAGE ROAD PROFILE SLAB TOP REINFORCING PLAN - BRIDGE "S" B44 LEFT FRONTAGE ROAD PROFILE 39 B45 BEAM BRACING DETAILS - BRIDGE "S" 40 RAMP A & B PROFILES PARAPET ELEVATION - BRIDGE "S" B46 41-42 GEOMETRICS EXPANSION JOINT REHABILITATION DETAILS - BRIDGE "S" & "T" B47 PAVING PLAN AND DETAILS 43-48 APPROACH SLAB REMOVAL AND REPAIR - BRIDGE "S" & "T" R48 49 **GUARDRAIL DETAILS** APPROACH SLAB DETAILS - BRIDGE "S" B49 50 CURB INLET WITH JUNCTION BOX LIGHTING SCHEDULES 11 51 STRUCTURE H1 DETAILS L2 LIGHTING PLAN U.S. 69 INLET-LONGITUDINAL BARRIER - TYPE I 52 UNDERPASS LUMINAIRE DETAIL WADE WATTS AVE. L3 53 STRUCTURE N3 DETAILS MONOTUBE SIGN DETAILS M1-M7 STRUCTURE P1 DETAILS 54 SURVEY DATA SHEETS S1-S8 55-59 REMOVAL PLAN X1-X34 CROSS SECTIONS ADVANCE WARNING SIGNS TRAFFIC CONTROL PLANS 60-61 PHASE 1 CONSTRUCTION AND TRAFFIC CONTROL PLANS 62-67 PHASE 2 CONSTRUCTION AND TRAFFIC CONTROL PLANS 68-72 PHASE 3 CONSTRUCTION AND TRAFFIC CONTROL PLANS 73-77 78-80 PHASE 4 CONSTRUCTION AND TRAFFIC CONTROL PLANS SIGNING QUANTITY SUMMARY 81 SPECIAL SIGNS 82-84 SIGN STRUCTURE DETAILS 85 86-91 PAVEMENT MARKING AND SIGNING PLAN GENERAL PLAN AND ELEVATION - BRIDGE "Q" & "R" B1 B2 FOUNDATION REPORT - BRIDGE "Q" & "R" В3 CONSTRUCTION SEQUENCE - BRIDGE "Q" & "R" SUMMARY OF QUANTITIES - BRIDGE "Q" & "R" B4 B5 SUBSTRUCTURE LAYOUT - BRIDGE "Q" & "R" B6 SUBSTRUCTURE EXCAVATION AND PIPE UNDERDRAIN DETAILS - BRIDGE "Q" & "R" ABUTMENT NO. 1 BRIDGE "Q" ABUTMENT NO. 2 BRIDGE "R" В7 В8 ABUTMENT NO. 1 BRIDGE "R" ABUTMENT NO. 2 BRIDGE "Q" В9 ABUTMENT DETAILS - BRIDGE "Q" & "R" B10 ABUTMENT WING DETAILS - BRIDGE "Q" & "R" ABUTMENT BAR LIST - BRIDGE "Q" & "R" B11 ABUTMENT FORM LINER DETAILS - BRIDGE "Q" & "R" B12 R1.3 ABUTMENT REPAIR DETAILS - BRIDGE "Q" & "R" TYPICAL CROSS SECTION - BRIDGE "Q" & "R" B14 B15 LONGITUDINAL SECTION AND BEAM FRAMING PLAN - BRIDGE "Q" & "R" B16 TYPE IV P.C.B. DETAILS - BRIDGE "Q" & "R" B17 DIAPHRAGM DETAILS - BRIDGE "Q" & "R" BEARING DETAILS - BRIDGE "Q" & "R" B18 B19 SLAB REINFORCING DETAILS - BRIDGE "Q" & "R" B20 SEALED EXPANSION JOINT DETAILS - BRIDGE "Q" & "R" EXPANSION JOINT REHABILITATION DETAILS - BRIDGE "Q" & "R" B21 B22 APPROACH SLAB -PHASE I - BRIDGE "Q" & "R"

INDEX OF SHEETS

REV.	NO.	DESCRIPTION REVISION	DATE

SUGGESTED SEQUENCE OF CONSTRUCTION

PHASE 1

- . INSTALL ALL MAINLINE & SIDE STREET ADVANCE WARNING SIGNS.
- CONSTRUCT J-TURN AND LEFT TURN LANE
- DROP INSIDE LANE OF NORTHBOUND US-69 TRAFFIC IN ADVANCE OF PEACEABLE ROAD, MAINTAIN SINGLE OUTSIDE LANE TRAFFIC. SHIFT NORTHBOUND TRAFFIC TO THE INSIDE LANE IN ADVANCE OF BRIDGE "R" AND SHIFT BACK TO NORMAL LOCATION NORTH OF BRIDGE 'S' AND WORK AREA.
- . INSTALL PORTABLE LONGITUDINAL BARRIER.
- DROP OUTSIDE LANE OF SOUTHBOUND US-69 TRAFFIC IN ADVANCE OF BRIDGE 'T'. MAINTAIN SINGLE INSIDE LANE TRAFFIC. SHIFT SOUTHBOUND TRAFFIC TO THE OUTSIDE LANE AFTER BRIDGE "Q" AND MAINTAIN SINGLE OUTSIDE LANE TRAFFIC TO SOUTH PEACEABLE ROAD AND WORK AREA.
- INSTALL PORTABLE LONGITUDINAL BARRIER.
- WIDEN BRIDGES 'Q', 'R', AND 'S' AND US-69 FROM STA 3259+96.23 TO 3272+41.00.
- · CLOSE WADE WATTS AVENUE, AND CONSTRUCT WADE WATTS AVENUE, THE LEFT & RIGHT FRONTAGE ROADS AND RAMP 'A' & 'B'.
- CONSTRUCT CROSSOVERS AT STA 3252+00 TO 3255+50 AND STA 3225+65 TO 3227+50.

PHASE 2

- . SWITCH LEFT AND RIGHT FRONTAGE ROADS TO ONE WAY NORTH OF PEACEABLE ROAD AND INSTALL AS MUCH OF THE PERMANENT STRIPE AND SIGNING AS POSSIBLE.
- . OPEN WADE WATTS TO TRAFFIC.
- STRIPE AND SIGN SOUTHBOUND US-69 LANES NORTH OF PEACEABLE ROAD TO SOUTH OF BRIDGE Q FOR TWO-LANE/TWO-WAY TRAFFIC.
- SWITCH NORTHBOUND US-69 TRAFFIC TO CROSSOVER UTILIZING DETOUR.
- INSTALL PORTABLE LONGITUDINAL BARRIER.
- CONSTRUCT THE US-69 NORTHBOUND LANES FROM STA 3227+70 TO STA 3258+25.

PHASE 3

- . SWITCH NORTHBOUND US-69 TRAFFIC TO NEW US-69 OUTSIDE LANE.
- DROP INSIDE LANE OF SOUTHBOUND US-69 TRAFFIC IN ADVANCE OF BRIDGE 'T'. MAINTAIN SINGLE OUTSIDE LANE TRAFFIC. SHIFT SOUTHBOUND TRAFFIC TO TO CROSSOVER SOUTH OF BRIDGE 'Q' TO THE INSIDE LANE OF NEW US-69 NORTHBOUND LANE FOR TWO-LANE/TWO-WAY TRAFFIC TO CROSSOVER NORTH OF SOUTH PEACEABLE ROAD AND WORK AREA.
- INSTALL PORTABLE LONGITUDINAL BARRIER.
- . CONSTRUCT JOINT REHAB WORK ON BRIDGES 'O' 'R' 'T'. AND 'T'.
- INSTALL US-69 MERGING LANE TAPERS AND CONSTRUCT CROSSOYERS NORTH OF PEACEABLE ROAD TO CONNECT MAINLINE TO THE EXISTING FRONTAGE ROADS.
- INSTALL PERMANENT STRIPING AND SIGNING TO NEW SOUTHBOUND US-69 BETWEEN CROSSOVERS.

- CONSTRUCT THE US-69 SOUTHBOUND LANES FROM STA 3228+50 TO STA 3255+50.
- . COMPLETE REMAINING US-69 SOUTH OF BRIDGE 'O' AND 'R' STA 3255+00 TO 3258+25
- . COMPLETE SIGN & STRIPE & NORMALIZE TRAFFIC . COMPLETE REMAINING MISCELLANEOUS ITEMS.
- NOTE: SEE PHASED CONSTRUCTION AND TRAFFIC CONTROL PLANS FOR ADDITIONAL DETAILS.
- NOTE: CONTRACTOR MAY SUBMIT, IN WRITING, AN ALTERNATE SEQUENCE OF CONSTRUCTION TO BE PPROVED BY THE ENGINEER.

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CTANDADD DDAMINGS

1		STANDARD DRAWINGS										
ROADWAY(2009 Stds.) ROADWAY(1999 Stds.)			TRAFFIC(2009 Stds.)						TRAFFIC(1999 Stds.)	BRIDGE(2009 Stds.)		
	SSS-1-1 TSC1-3-2 TSC2-3-2 TSD-2-0 TRFD-1-2 ASCD-5-2 CSCD-5-3 LECS-4-1 LTU-4-0 PR-3-0 PCPR-3-1 PED-3-2	PSE-1-0 WCR-3-1 TWD-1-0 PCES-4-1 SMD-3-1 SSCD-3-1 CI-1-2 SSIF-4-0 CIG-3-0 MFC-4-1 MJB-3-1 GPI-4-0	SPI-4-1 SPB-1-4 FHTMPP-1-0 FHTCP-3-1 SBI-4-2 PUD-3-2 CLB-1-2 DC-3-2 PDT-1-3 SUEL1-3-2 SUEL3-3-2		PM1-1-02 PM2-1-01 PM3-1-02 PM4-1-01 PM6-1-00 M0D1-1-00 RSD1-1-00 WSD2-1-00 WSD2-1-00 WSD3-1-00 MSD1-1-00	MSD2-1-00 MSD3-1-01 MSD4-1-00 MSD5-1-00 SIS2-1-00 SIS4-1-00 SBS1-1-00 SBS3-1-00 SBS4-1-00 SBS5-1-00 SBS6-1-00	GMS1-1-00 GMS2-1-00 SSP1-1-02 SSA1-1-00 SSA2-1-00 FGS2-1-01 SPA1-1-00 TSSP1-1-00 SWD1-1-00 TCS1-1-01 TCS2-1-00 TCS3-1-01	TCS4-1-01 TCS5-1-00 TCS6-1-02 TCS7-1-02 TCS8-1-00 TCS9-1-01 TCS10-1-00 TCS11-1-01 TCS12-1-00 TCS13-1-00 TCS14-1-00 TCS14-1-00	TCS17-1-00 TCS18-1-01 TCS19-1-01 TCS20-1-00 TCS21-1-02 TCS22-1-00 TCS24-1-02 TCS25-1-00 THRI-1-02 GA31-1-00 GHW1-1-00	CCD1-1-00 CCD2-1-00 PBD1-1-00 GMF1-2-00 PPD1-2-00 HLD1-2-00 UPD1-1-00 UPD2-1-00 SCD1-1-00 TEWD1-2-00	BBD1-1-00E HLP1-1-00E HLP2-1-00E	SFP1-2-00E FSHP-42-2-00E EJ-SK-03E EJ-DTL-01E HP1-2-00E RCB-C1-3&4&5(2-20)-01E RCB-C1-8(2-14)-01E RCB-C1-10(2-14)-01E



U.S. 69 - COMANCHE AVENUE

PITTSBURG COUNTY

SHEET NO. 2

INDEX OF SHEETS AND SEQUENCE OF CONSTRUCTION

JOB PIECE NO. 14999(04)