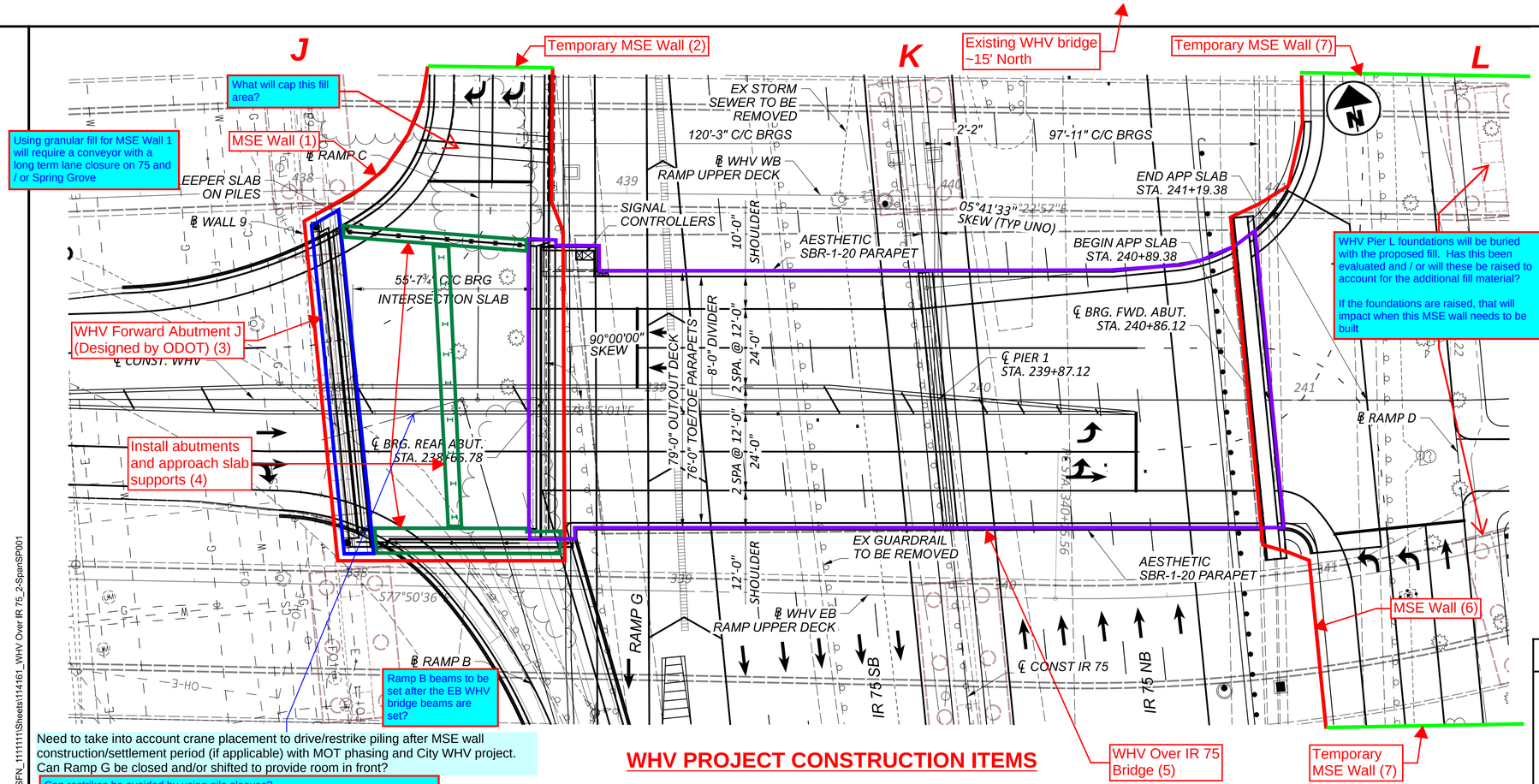
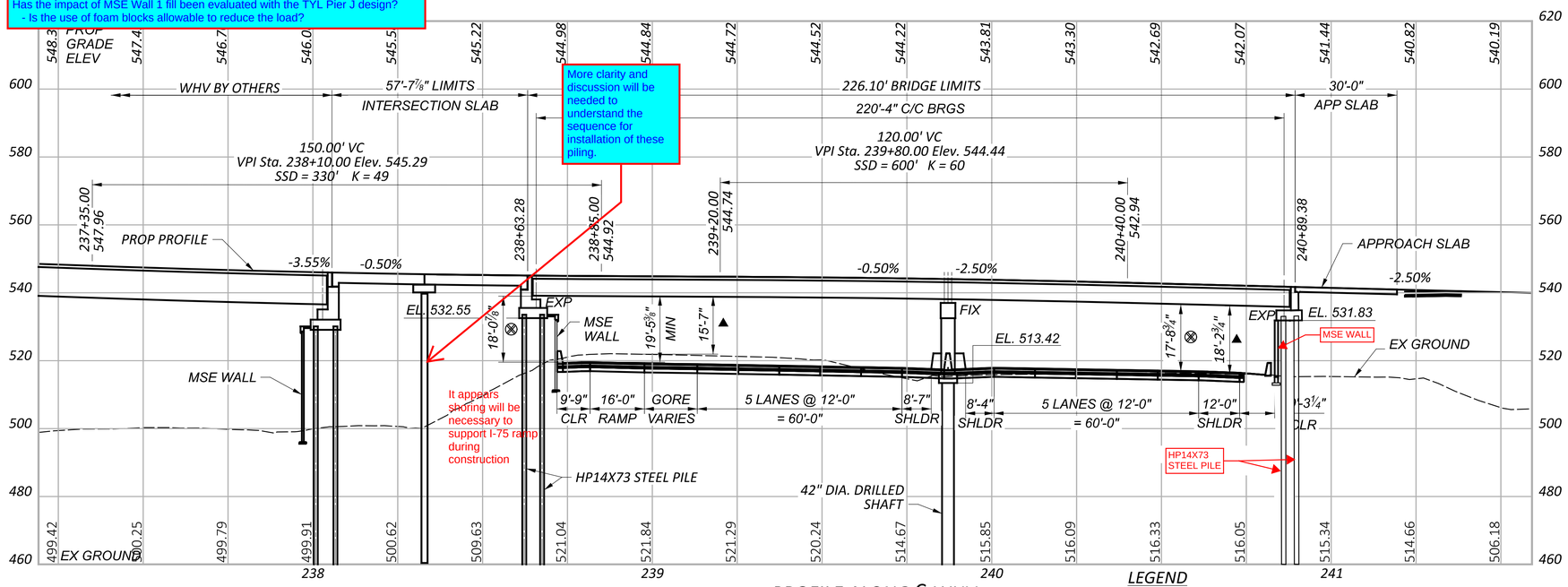


Need to take into account crane placement to drive/restrike piling after MSE wall construction/settlement period (if applicable) with MOT phasing and City WHV project.
Can Ramp G be closed and/or shifted to provide room in front?

Can restrikes be avoided by using pile sleeves?
Has the impact of MSE Wall 1 fill been evaluated with the TYL Pier J design?
- Is the use of foam blocks allowable to reduce the load?

WHV PROJECT CONSTRUCTION ITEMS



More clarity and discussion will be needed to understand the sequence for installation of these piling.

PROFILE ALONG ℄ WHV

LEGEND
⊗ VERTICAL CLEARANCE TO PROPOSED ROADWAY
▲ TEMPORARY VERTICAL CLEARANCE TO EXISTING ROADWAY

WHV PROJECT CONSTRUCTION ITEMS

1. MSE WALL ON THE WEST SIDE OF IR 75 THAT SUPPORTS ABUTMENT J, HAM-75-02.392 FORWARD ABUTMENT, AND THE WHV OVER IR 75 REAR ABUTMENT.
2. TEMPORARY MSE WALL NORTH OF THE WHV WB RAMP UPPER DECK BRIDGE AND SOUTH OF THE EXISTING WHV BRIDGE.
3. ABUTMENT J. Agree, Kramer
4. HAM-75-02.390 (RAMP B BRIDGE) FORWARD ABUTMENT AND APPROACH SLAB SUPPORTS IN THE INTERSECTION. Agree, Kramer
5. ENTIRE WHV BRIDGE OVER IR 75 INCLUDING RAILINGS, FENCES, APPROACH SLABS, AND SEALING. Agree, Kramer
6. MSE WALL ON THE EAST SIDE OF IR 75 THAT SUPPORTS THE FORWARD ABUTMENT OF THE WHV OVER IR 75 BRIDGE.
7. TEMPORARY MSE WALLS NORTH AND SOUTH OF THE PIER L FOUNDATIONS.

NOTES:

1. THESE DETAILS ARE DEPICTED ON STAGE 1 PLANS WITH THE FORWARD ABUTMENT OF THE WHV BRIDGE OVER IR 75 UPDATED TO AN MSE WALL SUPPORTED ABUTMENT.
2. THE MSE WALL ON THE EAST SIDE OF IR 75 WILL ALLOW THE PIER L FOUNDATIONS TO BE RAISED JUST BELOW THE PROPOSED FINAL GRADE ADJACENT TO THE RAMPS.

EXISTING STRUCTURE

TYPE: CONTINUOUS WELDED PLATE GIRDERS WITH NON-COMPOSITE REINFORCED CONCRETE DECK AND SUBSTRUCTURE

SPANS: 46'-7", 78'-1", 73'-1", 117'-8", 78'-7"
ROADWAY: VARIES, 40'-0" F/F OF CURBS MIN.
LOADING: CF-2000 (57)
SKEW: ZERO
WEARING SURFACE: 1" MONOLITHIC CONCRETE
APPROACH SLABS: AS-1-54 (25' LONG)
ALIGNMENT: TANGENT
CROWN: VARIES
STRUCTURE FILE NUMBER: 3105458
DATE BUILT: 1957
DISPOSITION: TO BE REMOVED

PROPOSED STRUCTURE

TYPE: PRESTRESSED CONCRETE I-BEAMS (CONTINUOUS FOR LIVE LOAD) WITH COMPOSITE REINFORCED CONCRETE DECK ON CAP & COLUMN PIER AND STUB ABUTMENTS

SPANS: 120'-3", 97'-11" C/C BRGS
ROADWAY: VARIES, 76'-0" MIN. TOE/TOE PARAPET
LOADING: HL93 AND 60 PSF FUTURE WEARING SURFACE
SKEW: NONE (REAR ABUT), 05° 35' 46" RIGHT FWD (PIER 1 AND REAR ABUT.)
WEARING SURFACE: 1" MONOLITHIC CONCRETE
APPROACH SLABS: AS-1-15, AS-2-15 (30'-0" LONG)
ALIGNMENT: TANGENT
CROWN: 0.016 FT/FT
DECK AREA: 17,929 SF
COORDINATES: LATITUDE 39° 07'26.70" N
LONGITUDE 84° 32'08.50" W

SITE PLAN
BRIDGE NO. HAM-75-XXXX
WESTERN HILLS VIADUCT OVER IR-75

REVIEW COMPL

PM	John Otis, P.E. 01/14/2026
BRIDGES	R. Scott Kramer, 11/
CONSTRUCT	Chris Tuminello, Nick Hess, P.E. 1
DRAINAGE	
ENVIRON	
GEOTECH	Casey Carriere, P.E. 12/29/
ITS	
MOT	Scott Kraus, P.E., 12/11/2
PAVEMENT	
ROADWAY	
R/W	
SURVEY	
TRAFFIC	
UTILITIES	
OTHER	
OTHER	

SFN XXXXXXX
DESIGN AGENCY
GANNETT FLEMING 250 Corporate Exchange Dr. Suite 200 Columbus, OH 43231
DESIGNER MTO CHECKER VDT
REVIEWER FFD 06/21/24

PROJECT ID	
114161	
SUBSET 1	TOTAL 7
SHEET P.457	TOTAL 463

HAM-75-1.95

PENTABLE: 114161_BW.tbl
PENTABLE SUBSET: 1
SUBMITTAL: SUB_STG
PLOT DRIVER: OHDOT_PDF.pltcfg
MODEL: CLP_WHV - Plan 1 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 6/20/2024 TIME: 5:47:40 PM USER: stony
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 08\Hamilton\114161\402-Engineering_GannettFleming\Structures\SFN_1111111\Sheets\114161_WHV Over IR 75_2-SpanSP001