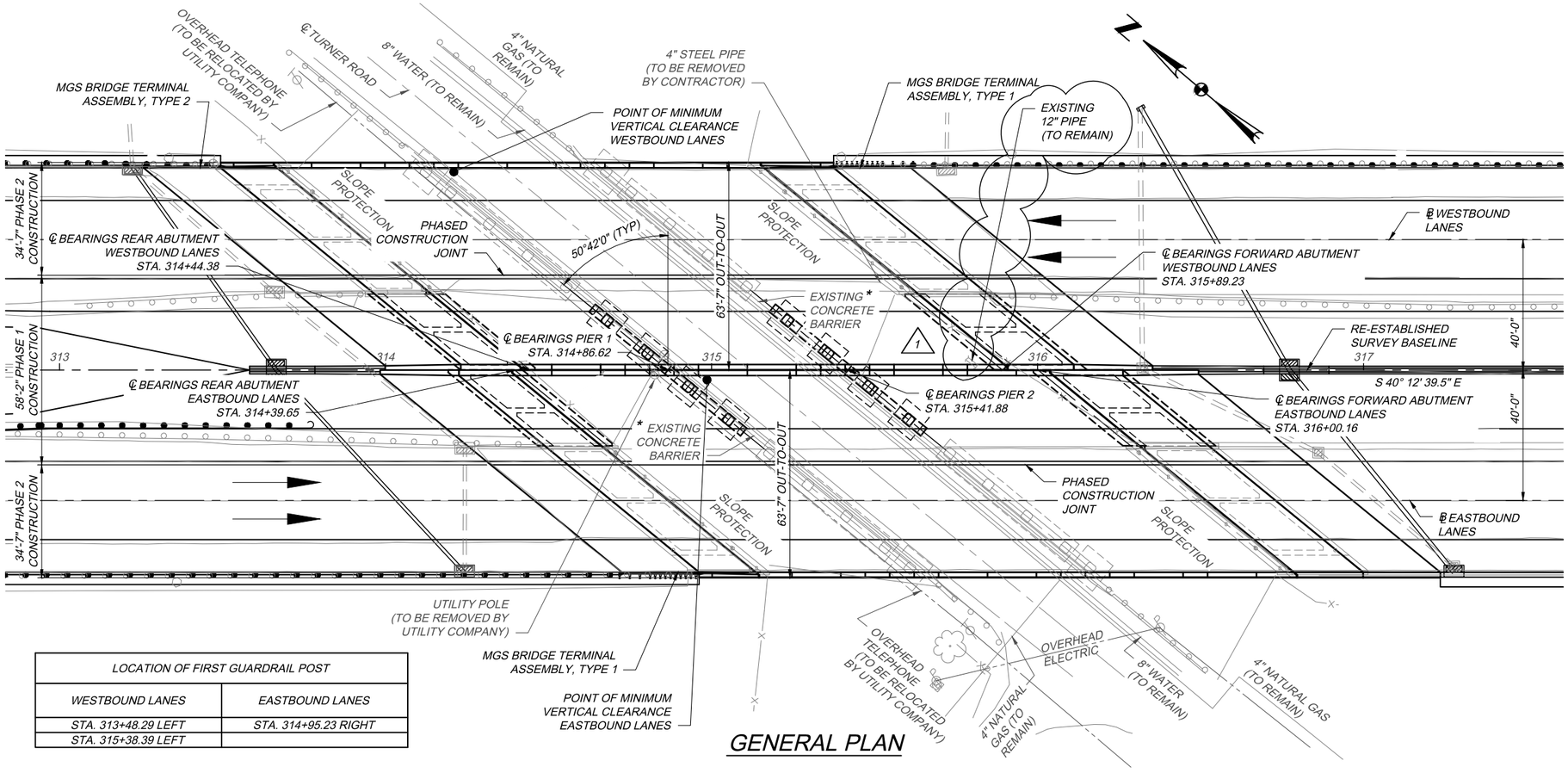


GENERAL PLAN

LOCATION OF FIRST GUARDRAIL POST	
WESTBOUND LANES	EASTBOUND LANES
STA. 313+48.29 LEFT	STA. 314+95.23 RIGHT
STA. 315+38.39 LEFT	

EXISTING STRUCTURES

TYPE: CONTINUOUS STEEL BEAM WITH NON-COMPOSITE CONCRETE DECK ON REINFORCED CONCRETE PIERS WITH CELLULAR ABUTMENTS

SPANS: 42'-3"±, 55'-3"±, 47'-4"±
C/C BEARINGS WESTBOUND
47'-0"±, 55'-3"±, 58'-3"±
C/C BEARINGS EASTBOUND

ROADWAY: 37'-4" ± TOE TO TOE OF PARAPETS

SKEW: 50°42'0"± RIGHT FORWARD

WEARING SURFACE: MONOLITHIC CONCRETE

APPROACH SLABS: 15'-0" LONG

ALIGNMENT: TANGENT

BUILT: 1954

REHAB: 1985

STRUCTURE FILE NUMBER: 5029260 EASTBOUND
5029279 WESTBOUND

OTIC MILEPOST: 222.7

PROPOSED STRUCTURES

PROPOSED WORK:
REINFORCED NON-COMPOSITE CONCRETE DECK REPLACEMENT AND WIDENING WITH SINGLE SLOPE PARAPET

SPANS: 42'-3"±, 55'-3"±, 47'-4"±
C/C BEARINGS WESTBOUND
47'-0"±, 55'-3"±, 58'-3"±
C/C BEARINGS EASTBOUND

ROADWAY: 60'-3½" TOE TO TOE OF PARAPETS

SKEW: 50°42'0"± RIGHT FORWARD

WEARING SURFACE: 1" MONOLITHIC CONCRETE

APPROACH SLABS: 15'-0" LONG

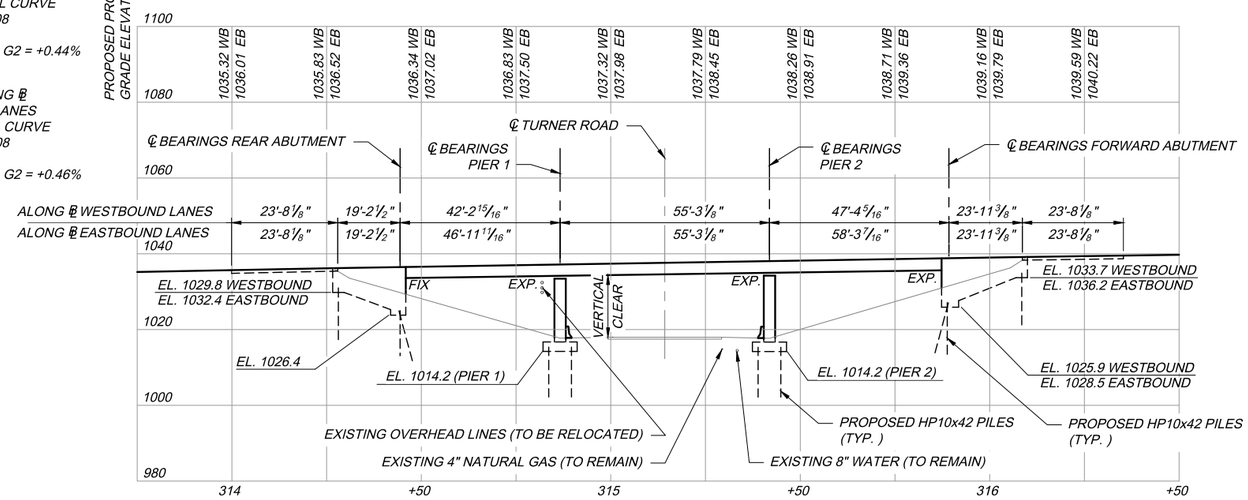
ALIGNMENT: TANGENT

LOADING: HS20-44 CASE 1 AND
ALTERNATE MILITARY LOADING

BRIDGE COORDINATES:
WESTBOUND:
LATITUDE: 41°04'12" N
LONGITUDE: 80°47'29" W
EASTBOUND:
LATITUDE: 41°04'12" N
LONGITUDE: 80°47'29" W

PROFILE ALONG ℄ WESTBOUND LANES
1250' VERTICAL CURVE
PVI STA. 318+08
ELEV. 1045.58
G1 = +2.42% G2 = +0.44%

PROFILE ALONG ℄ EASTBOUND LANES
985' VERTICAL CURVE
PVI STA. 319+08
ELEV. 1046.30
G1 = +2.02% G2 = +0.46%



PROFILE ALONG RE-ESTABLISHED SURVEY BASELINE

(WESTBOUND BRIDGE SHOWN, EASTBOUND BRIDGE SIMILAR)

LEGEND

* EXISTING CONCRETE BARRIER TO BE REMOVED AND REPLACED BETWEEN EXISITING PIERS. PAYMENT TO BE MADE WITH ITEM 202-CONCRETE BARRIER REMOVED AND ITEM 622-CONCRETE BARRIER, SINGLE SLOPE, TYPE D

BENCH MARK
FOR BENCHMARKS REFER TO THE SURVEY CONTROL PLAN.

POINT OF MINIMUM VERTICAL CLEARANCE			
LANES	EXISTING	PROPOSED	PREFERRED
EASTBOUND LANES	16'-0"	16'-0"	14'-6"
WESTBOUND LANES	13'-8"	13'-8"	14'-6"

ESTIMATED PILE LENGTH		
	WESTBOUND	EASTBOUND
LOCATION	ESTIMATED LENGTH (FT)	ESTIMATED LENGTH (FT)
REAR ABUTMENT BACK PILES	30'-0"	35'-0"
REAR ABUTMENT FRONT PILES	30'-0"	30'-0"
PIER 1 PILES	15'-0"	15'-0"
PIER 2 PILES	15'-0"	15'-0"
FORWARD ABUTMENT BACK PILES	35'-0"	35'-0"
FORWARD ABUTMENT FRONT PILES	25'-0"	30'-0"

2

DESIGN AGENCY
ms consultants, inc.
2221 Schrock Road
Columbus, Ohio 43229

NO.	REVISIONS	BY	DATE
1	ADDENDUM 3	SRM	09/20
2	ADDENDUM 5	SRM	10/20
-	-	-	-

DESIGNED	CHECKED
JP	SRM
DRAWN	IN CHARGE
JP	GLG

GENERAL PLAN AND PROFILE
OHIO TURNPIKE OVER TURNER ROAD
MAHONING COUNTY
M.P. 222.7

PROJECT 43-20-03
DATE: 08/07/19

1 / 30

40 / 105

OHIO TURNPIKE AND INFRASTRUCTURE COMMISSION

MP 222.7 SP001.dwg; 10/02/20 - 11:56am