

ITEM 614, MAINTAINING TRAFFIC

A MINIMUM OF ONE LANE OF TRAFFIC IN EACH DIRECTION SHALL BE MAINTAINED AT ALL TIMES, EXCEPT FOR A PERIOD NOT TO EXCEED 120 CONSECUTIVE CALENDAR DAYS, WHEN THROUGH TRAFFIC MAY BE DETOURED AS SHOWN ON SHEET 4. A DISINCENTIVE SHALL BE ASSESSED IN THE AMOUNT OF \$2,500 PER DAY FOR EACH CALENDAR DAY THE ROADWAY REMAINS CLOSED TO TRAFFIC BEYOND THE SPECIFIED LIMIT.

THE CONTRACTOR SHALL PROVIDE, ERECT, MAINTAIN AND SUBSEQUENTLY REMOVE ALL DETOUR SIGNING FOR THE PROJECT. THE SPECIFIED DETOUR ROUTE SIGN LAYOUT AND PLACEMENT SHALL CONFORM TO THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.

NAPOLEON ROAD DETOUR ROUTE:

CAMPBELL HILL ROAD TO GYPSY LANE ROAD TO DUNBRIDGE ROAD

HOLIDAYS OR SPECIAL EVENTS (IR 75)

NO WORK SHALL BE PERFORMED AND ALL EXISTING LANES SHALL BE OPEN TO TRAFFIC DURING THE FOLLOWING DESIGNATED HOLIDAYS OR SPECIAL EVENTS:

NEW YEAR'S (OBSERVED)	GENERAL/REGULAR ELECTION DAY (NOV.)
	THANKSGIVING
MEMORIAL DAY	CHRISTMAS (OBSERVED)
FOURTH OF JULY (OBSERVED)	LABOR DAY

THE PERIOD OF TIME THAT THE LANES ARE OPEN DEPENDS ON THE DAY OF THE WEEK ON WHICH THE HOLIDAY OR SPECIAL EVENT FALLS. THE FOLLOWING SCHEDULE SHALL BE USED TO DETERMINE THIS PERIOD:

DAY OF HOLIDAY OR SPECIAL EVENT	TIME ALL LANES MUST BE OPEN TO TRAFFIC
SUNDAY	12:00N FRIDAY THROUGH 6:00 AM MONDAY
MONDAY	12:00N FRIDAY THROUGH 6:00 AM TUESDAY
TUESDAY	12:00N MONDAY THROUGH 6:00 AM WEDNESDAY
TUESDAY (GEN. REG. ELECTION)	5:00 AM TUESDAY THROUGH 12:00 AM WEDNESDAY
WEDNESDAY	12:00N TUESDAY THROUGH 6:00 AM THURSDAY
THURSDAY	12:00N WEDNESDAY THROUGH 6:00 AM FRIDAY
THURSDAY (THANKSGIVING ONLY)	6:00AM WEDNESDAY THROUGH 6:00 AM MONDAY
FRIDAY	12:00N THURSDAY THROUGH 6:00 AM MONDAY
SATURDAY	12:00N FRIDAY THROUGH 6:00 AM MONDAY

DURING THE SAME PERIODS, MAINTAIN PEDESTRIAN ACCESS IF PEDESTRIAN ACCESS WAS PRESENT PRIOR TO CONSTRUCTION.

SHOULD THE CONTRACTOR FAIL TO MEET ANY OF THESE REQUIREMENTS, THE CONTRACTOR SHALL BE ASSESSED A DISINCENTIVE PER THE LANE VALUE CONTRACT (PN 127).

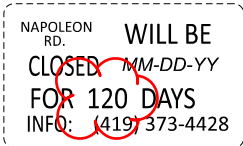
NOTICE OF CLOSURE SIGNS (W20-H13) SHALL BE ERECTED BY THE CONTRACTOR PRIOR TO THE SCHEDULED ROAD CLOSURE IN ACCORDANCE WITH THE NOTIFICATION TIME TABLE ON THIS SHEET. AT THE APPROVAL OF THE ENGINEER, PORTABLE CHANGEABLE MESSAGE SIGNS MAY BE USED IN LIEU OF THE STANDARD FLATSHEET SIGN FOR CLOSURE DURATIONS OF LESS THAN 1 WEEK.

THE SIGNS SHALL BE ERECTED ON THE RIGHT-HAND SIDE OF THE ROAD FACING TRAFFIC. THEY SHALL BE PLACED SO AS NOT TO INTERFERE WITH THE VISIBILITY OF ANY OTHER TRAFFIC CONTROL SIGNS. ON ROADWAYS, THEY SHOULD BE ERECTED AT OR NEAR THE POINT OF CLOSURE.

NOTICE OF CLOSURE SIGN TIME TABLE

ITEM	DURATION	SIGN DISPLAYED
ROAD CLOSURES	>= 2 WEEKS	14 CALENDAR DAYS PRIOR TO CLOSURE
	> 12 HOURS & < 2 WEEKS	7 CALENDAR DAYS PRIOR TO CLOSURE
	<= 12 HOURS	2 CALENDAR DAYS PRIOR TO CLOSURE

THE SIGN SHALL DISPLAY THE DATE OF THE CLOSURE IN MM-DD FORMAT AND THE NUMBER OF DAYS OF THE CLOSURE. THE LAST LINE OF THE W20-H13 SIGN SHALL LIST THE PHONE NUMBER AS (419)-373-4377, WHICH A MOTORIST MAY CALL FOR ADDITIONAL INFORMATION.



W20-H13-60

THE CONTRACTOR SHALL PROVIDE, ERECT AND MAINTAIN STANDARD 48 X 30 INCH ROAD CLOSED SIGNS, SIGN SUPPORTS, BARRICADES AND LIGHTS, AS DETAILED IN SCD MT-101.60 AT THE FOLLOWING LOCATIONS DURING PERIODS IN WHICH THE AFFECTED ROADS ARE CLOSED TO TRAFFIC.

THE CONTRACTOR IS REFERRED TO THE DETOUR SHEETS IN THESE PLANS FOR RELEVANT LOCATIONS.

I.R.-75:

ALL EXISTING TRAFFIC LANES ON I-75 SHALL BE MAINTAINED AT ALL TIMES. TEMPORARY LANE CLOSURES ON I-75 SHALL BE PERMITTED IN ACCORDANCE WITH THE PERMITTED LANE CLOSURE POLICY FROM ODOT DISTRICT 2 AND ADDITIONAL RESTRICTIONS INDICATED ON THE PROJECT PLANS. THE FOLLOWING RESTRICTIONS SHALL APPLY:

1. DURING ALL CONSTRUCTION OPERATIONS WHERE IT IS NECESSARY TO BLOCK THE TRAFFIC ON EXISTING LANES, SHALL BE IN ACCORDANCE WITH THE CURRENT POLICY IN EFFECT OF THE PERMITTED LANE CLOSURES FOR ODOT DISTRICT 2.

REFER TO THE WEB PAGE FOR LANE CLOSURES AT:

<https://www.transportation.ohio.gov/working/data-tools/resources/permited-lane-closure>

ALL LANES OF TRAFFIC SHALL BE MAINTAINED DURING THE UNPERMITTED LANE CLOSURE TIMES. SHOULD THE CONTRACTOR EXCEED THE ALLOWABLE LANE CLOSURE PERIODS, A DISINCENTIVE SHALL BE ASSESSED IN ACCORDANCE WITH PN 127 AND THE BELOW LANE VALUE CONTRACT TABLE.

DESCRIPTION OF CRITICAL LANE/ RAMP TO BE MAINTAINED	RESTRICTED TIME PERIOD	TIME MINUTE	DISINCENTIVE \$ PER MINUTE OF LANE
2 LANES OF IR 75	PER PLCS WEBSITE	EACH MINUTE PER LANE	\$1,000
1 LANE OF IR 75	PER PLCS WEBSITE	EACH MINUTE PER LANE	\$1,000

LENGTH AND DURATION OF LANE CLOSURES AND RESTRICTIONS SHALL BE AT THE APPROVAL OF THE ENGINEER. IT IS THE INTENT TO MINIMIZE THE IMPACT TO THE TRAVELING PUBLIC. LANE CLOSURES OR RESTRICTIONS OVER SEGMENTS OF THE PROJECT IN WHICH NO WORK IS ANTICIPATED WITHIN A REASONABLE TIME FRAME, AS DETERMINED BY THE ENGINEER, SHALL NOT BE PERMITTED. THE LEVEL OF UTILIZATION OF MAINTENANCE OF TRAFFIC DEVICES SHALL BE COMMENSURATE WITH THE WORK IN PROGRESS.

THE CONTRACTOR SHALL PROVIDE, ERECT AND MAINTAIN SIGNS AND SIGN SUPPORTS, AS DETAILED IN THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES AND TYPE III BARRICADES OF THE TYPE AND LOCATION AS SHOWN IN THE PLANS AND ON STANDARD CONSTRUCTION DRAWINGS.

ALL WORK AND TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH C&MS 614 AND OTHER APPLICABLE PORTIONS OF THE SPECIFICATIONS, AS WELL AS THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. PAYMENT FOR ALL LABOR, EQUIPMENT AND MATERIALS SHALL BE INCLUDED IN THE LUMP SUM CONTRACT PRICE FOR ITEM 614, MAINTAINING TRAFFIC, UNLESS SEPARATELY ITEMIZED IN THE PLAN.

DESIGN AGENCY



DESIGNER

SS

REVIEWER

JLM 05/21/26

PROJECT ID

114710

SHEET

TOTAL

6

61

ESTIMATED QUANTITIES (01/IMS)									
ITEM	ITEM EXTENSION	QUANTITY	UNIT	DESCRIPTION	ABUT.	PIERS	SUPER.	GEN.	AS PER PLAN SHEET NO.
202	11203	1	LUMP	PORTIONS OF STRUCTURE REMOVED, OVER 20 FOOT SPAN, AS PER PLAN					2 / 21
202	22900	184	SQ YD	APPROACH SLAB REMOVED				184	
503	21301	1	LUMP	UNCLASSIFIED EXCAVATION, AS PER PLAN					2 / 21
509	10001	41435	POUND	EPOXY COATED STEEL REINFORCEMENT, AS PER PLAN	4253		37182		2 / 21
509	30020	26086	FT	NO. 4 DEFORMED GFRP REINFORCEMENT			26086		
509	30030	31386	FT	NO. 5 DEFORMED GFRP REINFORCEMENT			31386		
509	30040	42639	FT	NO. 6 DEFORMED GFRP REINFORCEMENT			42639		
510	10001	324	EACH	DOWEL HOLES WITH NONSHRINK, NONMETALLIC GROUT, AS PER PLAN	324				2 / 21
511	33500	2	EACH	SEMI-INTEGRAL DIAPHRAGM GUIDE	2				
511	34447	354	CU YD	CLASS QC2 CONCRETE WITH QC/QA, BRIDGE DECK, AS PER PLAN			354		3 / 21
511	34450	100	CU YD	CLASS QC2 CONCRETE WITH QC/QA, BRIDGE DECK (PARAPET)			100		
511	43510	42	CU YD	CLASS QC1 CONCRETE, ABUTMENT INCLUDING FOOTING	42				
512	10100	749	SQ YD	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)	60		644	46	
512	33000	13	SQ YD	TYPE 2 WATERPROOFING	13				
513	20000	3465	EACH	WELDED STUD SHEAR CONNECTORS			3465		
514	00050	14226	SQ FT	SURFACE PREPARATION OF EXISTING STRUCTURAL STEEL			14226		
514	00056	14226	SQ FT	FIELD PAINTING OF EXISTING STRUCTURAL STEEL, PRIME COAT			14226		
514	00060	14226	SQ FT	FIELD PAINTING STRUCTURAL STEEL, INTERMEDIATE COAT			14226		
514	00066	14226	SQ FT	FIELD PAINTING STRUCTURAL STEEL, FINISH COAT			14226		
514	00504	32	MNHR	GRINDING FINS, TEARS, SLIVERS ON EXISTING STRUCTURAL STEEL			32		
514	10000	8	EACH	FINAL INSPECTION REPAIR			8		
514	27702	10	EACH	FIELD PAINTING, MISC.: COATING OF BEAM ENDS			10		3 / 21
516	10010	69	FT	ARMORLESS PREFORMED JOINT SEAL				69	
516	13600	16	SQ FT	1" PREFORMED EXPANSION JOINT FILLER			16		
516	13900	106	SQ FT	2" PREFORMED EXPANSION JOINT FILLER	58		48		
516	14020	93	FT	SEMI-INTEGRAL ABUTMENT EXPANSION JOINT SEAL			93		
516	44101	15	EACH	ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (NEOPRENE), AS PER PLAN 16"x16"x2 15⁄16"			15		
516	44301	10	EACH	ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (NEOPRENE), AS PER PLAN 13"x13"x4 1⁄16"			10		
516	47001	1	LUMP	JACKING AND TEMPORARY SUPPORT OF SUPERSTRUCTURE, AS PER PLAN					3 / 21
518	21200	62	CU YD	POROUS BACKFILL WITH GEOTEXTILE FABRIC	62				
518	40000	102	FT	6" PERFORATED CORRUGATED PLASTIC PIPE	102				
518	40010	103	FT	6" NON-PERFORATED CORRUGATED PLASTIC PIPE	103				
SPECIAL	51900100	933	SQ FT	COMPOSITE FIBER WRAP SYSTEM		933			
519	11101	175	SQ FT	PATCHING CONCRETE STRUCTURE, AS PER PLAN		175			3 / 21
526	25011	197	SQ YD	REINFORCED CONCRETE APPROACH SLABS WITH QC/QA (T=15"), AS PER PLAN				197	17 / 21
526	90030	69	FT	TYPE C INSTALLATION				69	
SPECIAL	53013000	2042	SQ FT	FORM LINER			2042		3 / 21
607	39900	582	FT	VANDAL PROTECTION FENCE, 6' STRAIGHT, COATED FABRIC, AS PER PLAN			582		3 / 21
625	33000	1	EACH	STRUCTURE GROUNDING SYSTEM				1	
844	20001	113	EACH	GALVANIC ANODE PROTECTION, AS PER PLAN		113			9 / 21

QUANTITIES COMPUTED BY: SS 01/14/26

ESTIMATED QUANTITIES
BRIDGE NO. WOO-75-1383
NAPOLEON ROAD (CR 237) OVER I.R. 75

SFN
8703787
DESIGN AGENCY



DESIGNER
SS

CHECKER
AMT

REVIEWER
JLM

PROJECT ID
114710

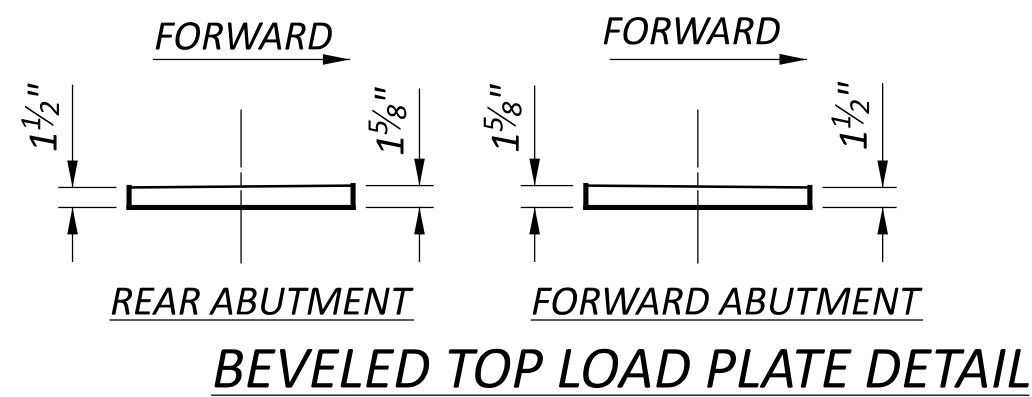
SUBSET
4

TOTAL
21

SHEET
32

TOTAL
61

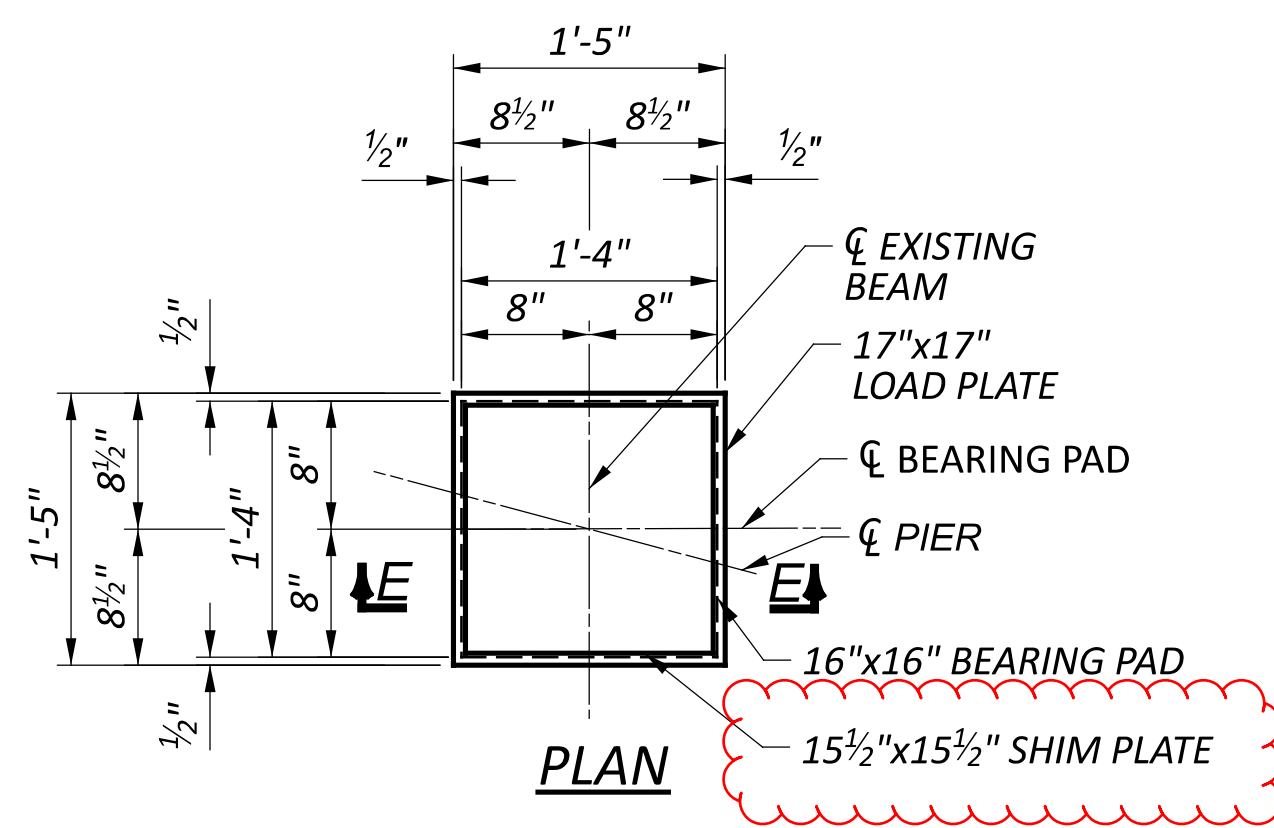
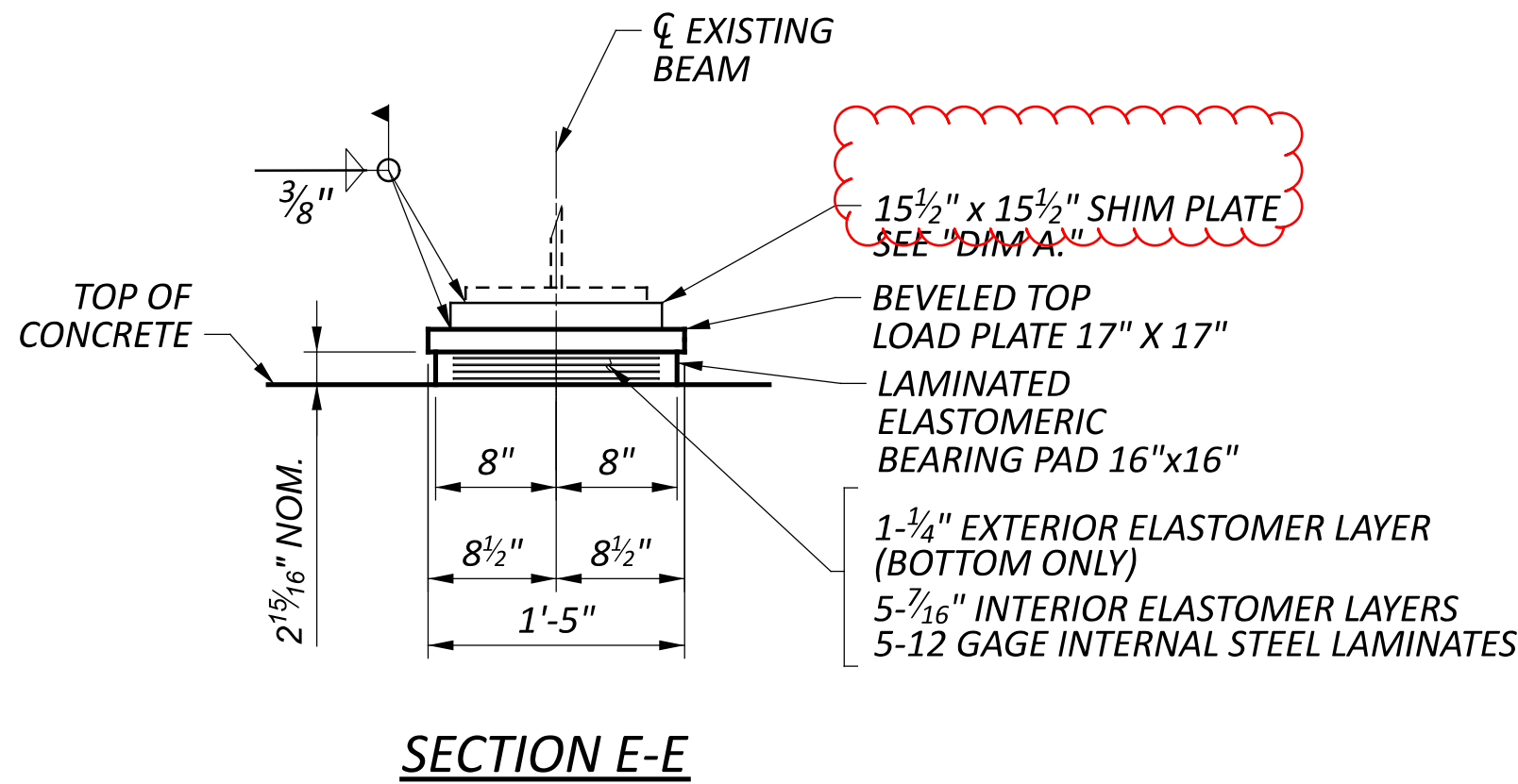
05/21/26



LAMINATED ELASTOMERIC BEARING DETAILS AT ABUTMENTS

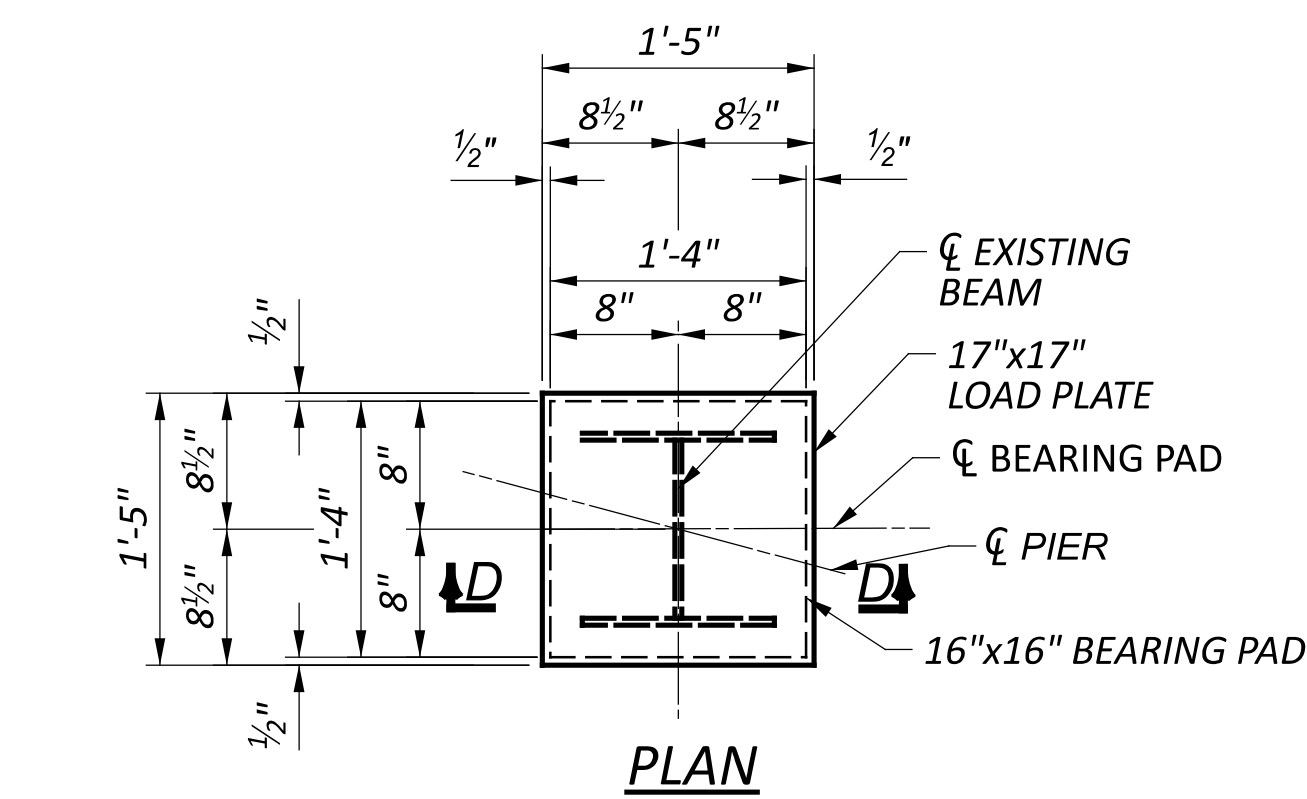
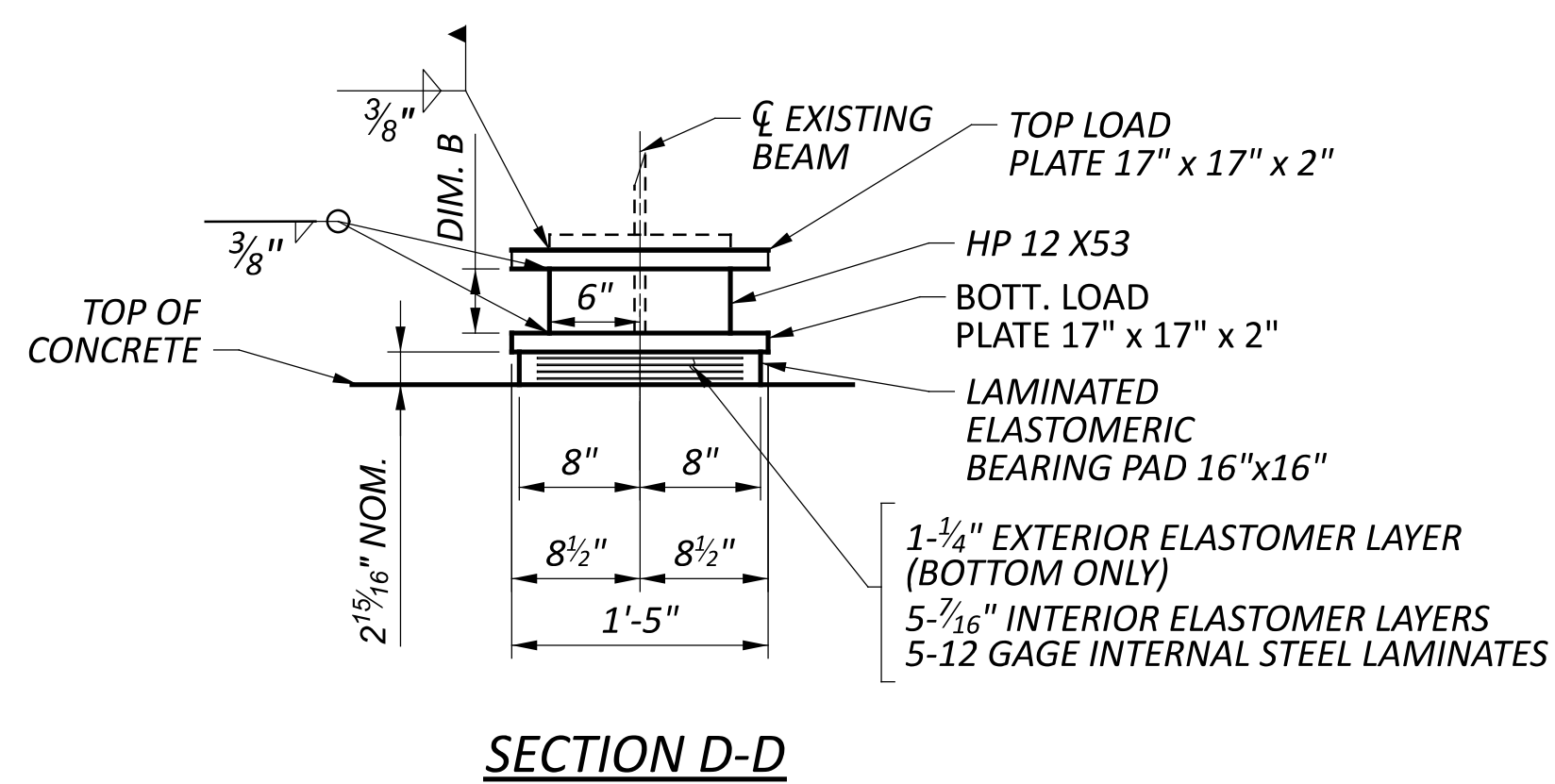
LIVE LOAD REACTION (W/O IMPACT):	59 KIPS
DEAD LOAD REACTION:	62KIPS
MAXIMUM DESIGN LOAD:	121 KIPS

HP12X53 SECTION OR SHIM PLATE HEIGHTS (INCH) *					
LOCATION	CL GIRDER 1	CL GIRDER 2	CL GIRDER 3	CL GIRDER 4	CL GIRDER 5
CL BRG. REAR ABUT. (HP - DIM. B)	7 ³ / ₈	8 ⁹ / ₁₆	9 ⁷ / ₁₆	7 ⁷ / ₈	5 ¹⁵ / ₁₆
PIER 1 (SHIMS - DIM. A)	1	1	1	1	1
CL PIER 2 (HP - DIM. B)	2 ³ / ₈	2 ³ / ₈	2 ³ / ₈	2 ³ / ₈	2 ³ / ₈
PIER 3 (SHIMS - DIM. A)	1 ⁵ / ₁₆	1 ⁵ / ₁₆	1 ⁵ / ₁₆	1 ⁵ / ₁₆	1 ⁵ / ₁₆
CL BRG. FWD. ABUT. (HP - DIM. B)	5 ¹⁵ / ₁₆	7 ³ / ₄	9 ⁷ / ₁₆	8 ³ / ₁₆	7 ¹ / ₈



BEVELED TOP LOAD PLATE DETAIL

<u>LAMINATED ELASTOMERIC BEARING DETAILS AT PIERS 1 AND 3</u>	
LIVE LOAD REACTION (W/O IMPACT):	95 KIPS
DEAD LOAD REACTION:	108 KIPS
MAXIMUM DESIGN LOAD:	203 KIPS



TOP LOAD PLATE DETAIL

<u>LAMINATED ELASTOMERIC BEARING DETAILS AT PIER 2</u>	
LIVE LOAD REACTION (W/O IMPACT):	123 KIPS
DEAD LOAD REACTION:	109 KIPS
MAXIMUM DESIGN LOAD:	232 KIPS

LAMINATED ELASTOMERIC BEARING NOTES:

1. ELASTOMERIC BEARINGS: THE ELASTOMER SHALL HAVE A HARDNESS OF 50 DUROMETER. THE BEARINGS WERE DESIGNED IN ACCORDANCE WITH SECTION 14.7.6 (METHOD A) OF THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS. THE LONG-TERM COMPRESSION PROOF LOAD TEST (AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES, DIVISION II, SECTION 18.7.2.6) IS NOT REQUIRED.
2. THE STEEL LOAD PLATES SHALL CONFORM TO THE REQUIREMENTS OF ASTM A709 GRADE 50 AND SHALL BE BONDED TO THE ELASTOMER BY VULCANIZATION DURING THE MOLDING PROCESS. ALL STEEL COMPONENTS OF THE BEARING ASSEMBLIES AT THE ABUTMENT (UPPER AND LOWER LOAD PLATES AND HP SHAPES) SHALL BE GALVANIZED PER SICD-1-21. ALL PIER PLATES AND HP SECTIONS SHALL BE PAINTED TO MATCH THE BEAMS PER CMS 516.03. COSTS SHALL BE INCIDENTAL TO ITEM 516 ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE.
3. BASIS OF PAYMENT: THE UNIT BID PRICE SHALL INCLUDE ALL MATERIALS, LABOR AND INCIDENTALS NECESSARY TO FURNISH AND INSTALL ELASTOMERIC BEARINGS. PAYMENT WILL BE AT THE CONTRACT PRICE FOR ITEM 516, EACH, ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (NEOPRENE), AS PER PLAN, AS LISTED UNDER THE ESTIMATED QUANTITIES.
4. ALL BEARINGS SHALL BE MARKED PRIOR TO SHIPPING. THE MARKS SHALL INCLUDE THE BEARING LOCATION ON THE BRIDGE, AND A DIRECTION ARROW THAT POINTS UP-STATION. ALL MARKS SHALL BE PERMANENT AND BE VISIBLE AFTER THE BEARING IS INSTALLED.
5. THE END OF THE BEAM SHALL BE STABILIZED DURING ERECTION AND CONSTRUCTION OF THE BRIDGE.
6. VENT HOLES IN EXISTING BEAM BOTTOM FLANGE SHALL BE FIELD DRILLED AND SHALL BE INCIDENTAL TO ITEM 516 ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE.

* CONTRACTOR SHALL FIELD VERIFY DIMENSIONS PRIOR TO ORDERING.