

gcocheno@D09PC16 - 52b1249n.m - Thursday February 19 1998 09:01:10 AM EST

d09:1/pd/pdstd/ref/m34notes.dgn

metric units

MAINTAINING TRAFFIC

A MINIMUM OF ONE LANE OF TRAFFIC IN EACH DIRECTION SHALL BE MAINTAINED AT ALL TIMES BY USE OF THE EXISTING PAVEMENT.

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, WILL NOT BE PERMITTED. THE LEVEL OF UTILIZATION OF MAINTENANCE OF TRAFFIC DEVICES SHALL BE COMMENSURATE WITH WORK IN PROGRESS.

ALL WORK AND TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH 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 614, MAINTAINING TRAFFIC, UNLESS SEPARATELY ITEMIZED IN THE PLAN.

EXISTING STRUCTURE VERIFICATION

DETAILS AND DIMENSIONS SHOWN ON THESE PLANS PERTAINING TO THE EXISTING STRUCTURES HAVE BEEN OBTAINED FROM FIELD OBSERVATIONS AND MEASUREMENTS. CONSEQUENTLY, THEY ARE INDICATIVE OF THE EXISTING STRUCTURES AND PROPOSED WORK, BUT THEY SHALL BE CONSIDERED TENTATIVE AND APPROXIMATE. THE CONTRACTOR IS REFERED TO CMS SECTIONS 102.05, 105.02, AND 513.02.

CONTRACTOR BID PRICES SHALL BE BASED UPON RECOGNITION OF THE UNCERTAINTIES DESCRIBED ABOVE AND UPON A PREBID EXAMINATION OF THE EXISTING STRUCTURES BY THE CONTRACTOR. HOWEVER, ALL PROJECT WORK SHALL BE BASED ON ACTUAL DETAILS AND DIMENSIONS WHICH HAVE BEEN VERIFIED BY THE CONTRACTOR IN THE FIELD.

EXISTING BRIDGE PLANS

DETAIL DRAWINGS OF THE EXISTING BRIDGES MAY BE INSPECTED IN THE DISTRICT BRIDGE OFFICE AT 650 EASTERN AVE. IN CHILLICOTHE, OR AT THE OFFICE OF STRUCTURAL ENGINEERING AT 1980 BROAD STREET IN COLUMBUS, OHIO.

CONTINGENCY QUANTITIES

THE CONTRACTOR SHALL NOT ORDER MATERIALS OR PERFORM WORK FOR ITEMS DESIGNATED BY PLAN NOTE TO BE USED "AS DIRECTED BY THE ENGINEER" UNLESS AUTHORIZED BY THE ENGINEER. THE ACTUAL WORK LOCATIONS AND QUANTITIES USED FOR SUCH ITEMS SHALL BE INCORPORATED INTO THE FINAL CHANGE ORDER GOVERNING COMPLETION OF THIS PROJECT.

ITEM SPECIAL - SEALING OF CONCRETE SURFACES (EPOXY - URETHANE)

A CONCRETE SEALER SHALL BE APPLIED TO THE CONCRETE SURFACES AS LISTED BELOW AND AS DIRECTED BY THE ENGINEER. SEE PROPOSAL FOR SURFACE PREPARATION REQUIREMENTS, MATERIAL REQUIREMENTS AND APPLICATION PROCEDURES.

BRO-52-1249: 1 - DECK PARAPETS AND LIGHT PEDESTALS
2 - ABUTMENTS (ALL EXPOSED SURFACES ABOVE GROUND LINE)

BRO-52-1433: 1 - DECK EDGES
2 - ABUTMENTS (ALL EXPOSED SURFACES ABOVE GROUND LINE)

THE COLOR OF THE URETHANE COATING SHALL BE FEDERAL COLOR STANDARD NO. 1777B (OFF-WHITE).

FIELD PAINTING OF EXISTING STEEL

THE FIELD PAINTING OF EXISTING STEEL SHALL INCLUDE, BUT NOT BE LIMITED TO, THE EXISTING STRUCTURAL STEEL SHOWN AND LISTED IN THE PLAN. IT IS THE INTENT OF THE PLAN TO PAINT ALL EXISTING STRUCTURAL STEEL, UNLESS THE PLANS DESIGNATE THAT THEY BE PROTECTED FROM PAINTING AND BLASTING OPERATIONS.

THE FINISH COAT SHALL BE BLUE AND THE COMPLETION DATE (MONTH AND YEAR) OF THE FINISH OF THE FINISH COAT SHALL BE STENCILED IN BLACK ON THE OUTSIDE OF THE OUTSIDE BEAM NEXT TO THE REAR ABUTMENT. THE LETTERS "O.Z.E.U." SHALL PRECEDE THE DATE PAINTED.

UTILITIES

LISTED BELOW ARE ALL UTILITIES LOCATED WITHIN THE PROJECT CONSTRUCTION LIMITS TOGETHER WITH THEIR RESPECTIVE OWNERS.

AMERITECH
3233 WOODMAN DRIVE
DAYTON, OHIO 45420
937-296-3665

CINCINNATI GAS & ELECTRIC COMPANY - GAS
P.O. BOX 960, ROOM 460-A
CINCINNATI, OHIO 45201
513-287-3218

VILLAGE OF RIPLEY - WATER / ELECTRIC
14 N. 3RD STREET
RIPLEY, OH 45167
937-392-4377

THERE ARE NO UNDERGROUND UTILITIES SHOWN ON THIS PLAN. THE NATURE OF THE WORK REQUIRED BY PROJECT WILL NOT AFFECT ANY KNOWN UNDERGROUND UTILITIES THAT EXIST UNDER OR ADJACENT TO THE WORK AREA.

UTILITY NOTE:

ALL SAND BLAST MATERIAL MUST BE CLEANED FROM WINGWALL SLEEVE ANNULAR SPACE TO PREVENT METALLIC SHORTS FROM DEVELOPING. CINERGY WILL SEAL ALL WINGWALL ANNULAR SPACES WITH DIELECTRIC MATERIAL AFTER PAINTING IS COMPLETE.

GENERAL NOTES

BRO-52-20.100/ 23.061

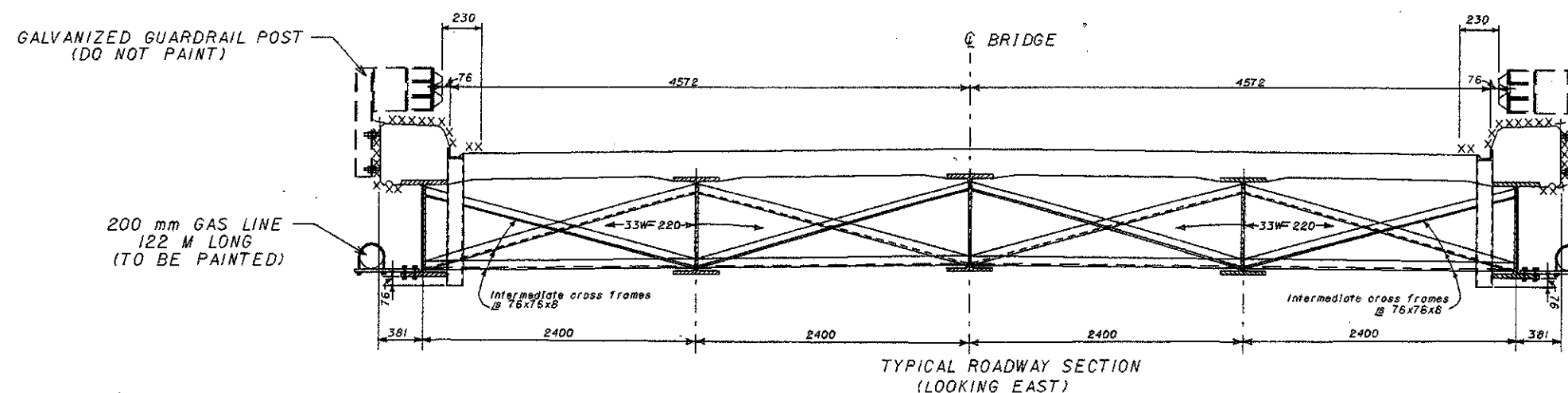
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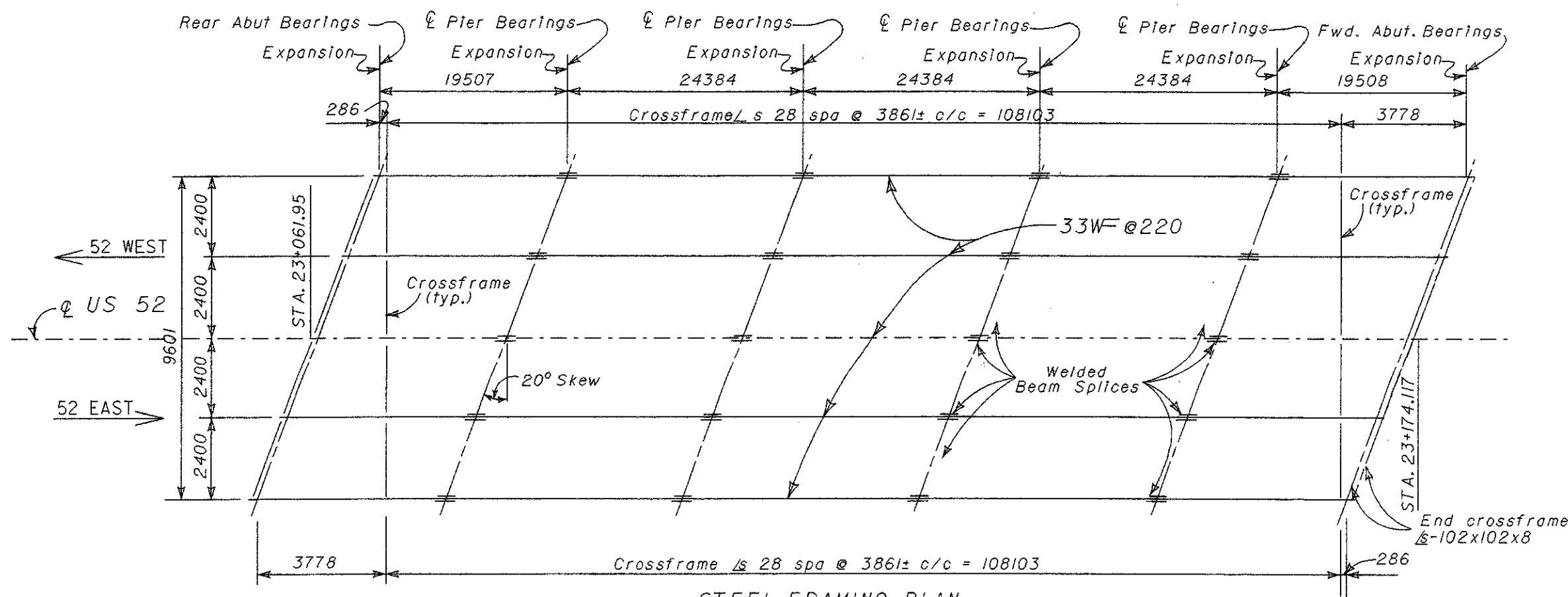
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x - Sealing of Concrete Surfaces (Epoxy - Urethane)

NOTE:
ALL BRACKETS HOLDING UTILITIES SHALL BE PAINTED, EXCEPT FOR PORTION SURROUNDING THE UTILITY LINE THAT IS NOT TO BE PAINTED.



STEEL FRAMING PLAN

BRIDGE BEAMS (33WF220)

2859 X 112167 LENGTH X 5 BEAMS
= 1603.439 SQ. M.

INCIDENTALS

1603.439(BRIDGE BEAMS) X 0.15
= 240.516 SQ. M.

TOTAL = 1603.44 SQ. M.

240.32 SQ. M.

1843.96 SQ. M.

USE 1844 SQ. M

SEALING OF CONCRETE SURFACES (EPOXY - URETHANE)

DECK EDGE PERIMETER = 1.046 M

BRIDGE LENGTH = 112.167 M

1.046 M X 112.167 M X 2 = 234.653 SQ. M

DECK EDGE TOTAL = 234.653 SQ. M

TOTAL FOR ABUTMENTS = 60 SQ. M

TOTAL 234.653 SQ. M

60.000 SQ. M

294.653 SQ. M

USE 295 SQ. M

STRUCTURE DATA:

TYPE: CONTINUOUS STEEL BEAM WITH REINFORCED CONCRETE DECK

LENGTH: 112167

SPANS: 2@19507 & 3@24384

WIDTH: 103630/0

RAIL: SPEC. STEEL & CONC. 991 ABOVE SIDEWALK

MIN. VERT. CLEARANCE: 13286 GRADE TO STREAM BED

STRUCTURAL FILE NO. 0801178

BRIDGE NO. BRO-52-1433
OVER EAGLE CREEK

BRO-52-20.100/23.061

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