

PROPOSED WORK

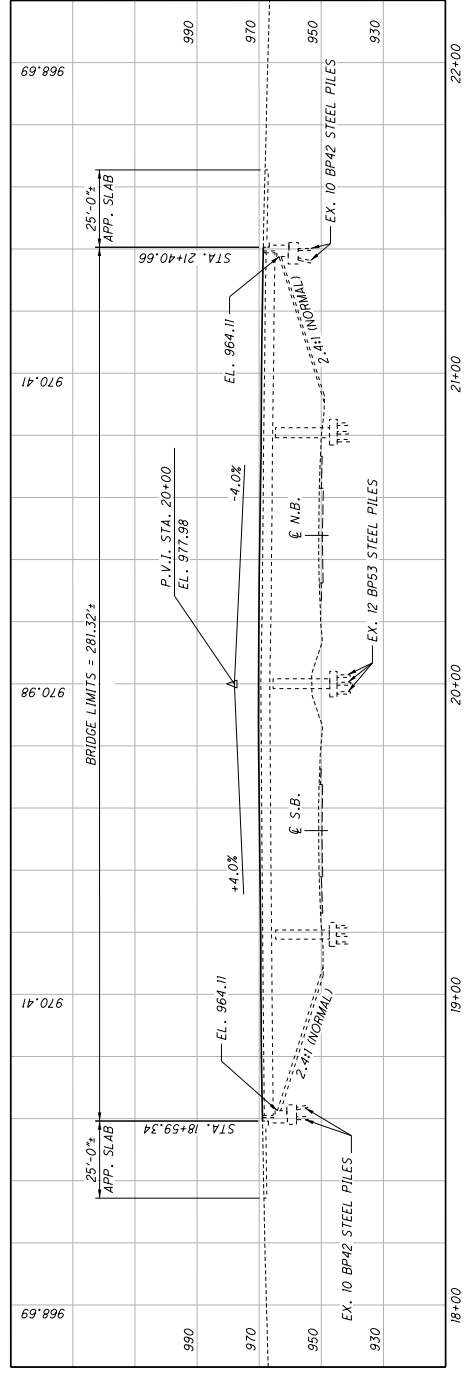
1. SEAL THE BRIDGE DECK AND PARAPETS WITH SOLUBLE REACTIVE SILICATE (GRS).
2. CLEAN STRIP SEAL JOINTS OF DEBRIS, NON-EPOXY SEALER, KNOCK OFF ALL DELAMINATED CONCRETE FROM PIERS BEFORE SEALING.
3. UPGRADE ALL MAINLINE SHOULDER APPROACH GUARDRAIL SYSTEMS.
4. UPGRADE EXISTING STRUCTURAL STEEL WITH OZEU SYSTEM.

EXISTING STRUCTURE

TYPE: CONTINUOUS STEEL BEAM WITH REINFORCED CONCRETE DECK AND SUBSTRUCTURE
 SPANS: 56'-9", 81'-0", 81'-0", 56'-9" (C/C BEARINGS)
 ROADWAY: 27'-0" T/T PARAPETS
 LOADING: CF 130 (S7)
 SKEW: 39°20'02" R.F.
 APPROACH SLABS: 25'-0" (AS-1-54 MODIFIED)
 ALIGNMENT: TANGENT
 CROWN: 3/8" PER FT.
 STRUCTURE FILE NUMBER: 510174
 DATE BUILT: 1967
 DISPOSITION: TO BE REHABILITATED

ENGINEERS SEAL:

SIGNED: *Douglas J. Miller*
DATE: 02/13/2017



PROFILE ALONG C.R. 26

EXISTING STRUCTURE VERIFICATION

DETAILS AND DIMENSIONS SHOWN ON THESE PLANS PERTAINING TO THE EXISTING STRUCTURE SHALL BE VERIFIED BY THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM FIELD OBSERVATIONS AND MEASUREMENTS. CONSEQUENTLY, THEY ARE INDICATIVE OF THE EXISTING STRUCTURE AND THE PROPOSED WORK BUT THEY SHALL BE CONSIDERED TENTATIVE AND APPROXIMATE. THE CONTRACTOR IS REFERRED TO CMS SECTIONS 102.08 AND 105.02.

BASE CONTRACT BID PRICES UPON A RECOGNITION OF THE UNCERTAINTIES DESCRIBED ABOVE AND UPON A PREBID EXAMINATION OF THE EXISTING STRUCTURE. HOWEVER, THE DEPARTMENT WILL PAY FOR ALL PROJECT WORK BASED UPON ACTUAL DETAILS AND DIMENSIONS THAT HAVE BEEN VERIFIED IN THE FIELD.

ITEM 512 - SEALING OF CONCRETE SURFACES (IRON-EPOXY), AS PER PLAN

IN ADDITION TO THE PROVISIONS OF ITEM 512 THIS ITEM SHALL ALSO INCLUDE REMOVAL OF ALL DELAMINATED AND LOOSE CONCRETE FROM THE PIERS PRIOR TO SEALING. REMOVE CONCRETE BY MEANS OF APPROVED PNEUMATIC HAMMERS, IMPACTING AND BLUNTING TOOLS, HYDRAULIC HOLDING TOOLS, AND OTHER MEANS OF REMOVAL. DO NOT PLACE PNEUMATIC HAMMERS IN DIRECT CONTACT WITH REINFORCING STEEL.

ITEM 530 SPECIAL - STRUCTURES: BRIDGE JOINT CLEANING

BEFORE SPRAYING WITH WATER, SWEEP LOOSE DEBRIS FROM EXISTING BRIDGE JOINTS AT THE STRIP SEAL EXPANSION JOINT LOCATIONS. SPRAY WITH WATER TO WET DEBRIS AND WATER ACROSS BRIDGE AND COLLECT DEBRIS TO MAXIMUM EXTENT PRACTICABLE. CARE SHOULD BE TAKEN WHEN BREAKING UP DEBRIS IN THE JOINTS AS THIS MAY CAUSE DAMAGE TO THE ELASTOMERIC SEAL. THE METHOD OF CLEANING SHOULD BE APPROVED BY THE ENGINEER PRIOR TO THE START OF WORK. THE CLEANING METHOD SHALL BE APPROVED BY THE ENGINEER AND AT NO COST TO THE DEPARTMENT.

OEPA NOTIFICATION

THE CONTRACTOR IS RESPONSIBLE FOR COMPLETING THEIR PORTION OF THE OEPA NOTIFICATION FOR DEPARTMENT OF REVENUE FORM AND SUBMITTING IT TO THE OEPA AT LEAST TEN DAYS PRIOR TO THE START OF WORK ON THE STRUCTURE.

ESTIMATED QUANTITIES
MAR-23-1692 SFNS101174

CALCULATED: NCC
CHECKED: DEB
DATE: 11-18-16
DATE: 11-18-16

ITEM	EXTENSION	TOTAL	UNIT	DESCRIPTION	SUPER-STRUCTURE	PIERS	ABUTMENTS	GENERAL	SEE STRUCTURE SHEET NO.
512	10051	226	SY	SEALING OF CONCRETE SURFACES (IRON-EPOXY), AS PER PLAN		226			2
512	10400	1,420	SY	TREATING OF CONCRETE BRIDGE DECK WITH SRS	1,420				
514	00050	11,517	SF	SURFACE PREPARATION OF EXISTING STRUCTURAL STEEL	11,517				
514	00056	11,517	SF	FIELD PAINTING OF EXISTING STRUCTURAL STEEL, PRIME COAT	11,517				
514	00060	11,517	SF	FIELD PAINTING STRUCTURAL STEEL, INTERMEDIATE COAT	11,517				
514	00066	11,517	SF	FIELD PAINTING STRUCTURAL STEEL, FINISH COAT	11,517				
514	00504	18	MHR	GRINDING FINIS, TEARS, SLIVERS ON EXISTING STRUCTURAL STEEL	18				
514	10000	11	EACH	FINAL INSPECTION REPAIR	11				
646	10000	0.11	MILE	EDGE LINE, 4"				0.11	
646	10200	0.05	MILE	CENTER LINE				0.05	
SPECIAL	53001300	78	FT	STRUCTURES: BRIDGE JOINT CLEANING				78	2

DESIGNED	NCC
CHECKED	DEA
REVIEWED	NCC
DATE	11-22-16
DRWN	DQM
REVISED	NCC
STRUCTURE FILE NUMBER	5101174

