REGULATIONS GOVERNING THE LAYING AND REPAIR OF CONCRETE	SCOPE OF WORK
CONCRETE WALKS SHALL BE OF ONE-COURSE CONSTRUCTION AND SHALL BE 4.5 INCHES IN THICKNESS, EXCEPT ALONG ARTERIAL AND COLLECTOR STREETS WHERE THEY MUST BE 6 INCHES IN THICKNESS. CONCRETE FOR WALKS, CURBS, DRIVES, AND APRONS SHALL BE CLASS "C" CONCRETE AS PER ITEM 608 AND SPECIAL OF THE "SUPPLEMENTAL TO STATE SPECIFICATIONS FOR THE CITY OF CLEVELAND" 1967.	A. THE CONTRACTOR CLEVELAND PUBLIC PO PLANS OR AS DIRECTE VISIBLY CONFIRMED TH DE-ENERGIZED AND DIS PROPERLY COMPLETED THE DRAWINGS AND HE
WHEN CONCRETE BLOCKS ARE LAID ON CLAY, EXTRA EXCAVATION TO A DEPTH OF 1 1/2 INCHES MUST BE MADE AND FILLED WITH SAND OR GRAVEL TO ACT AS A FOUNDATION TO THE FOUR INCHES OF SIDEWALK PROPER.	B. THE MAJOR ITEMS INSTALLED BY THE CO. WORK BY THE PROJECT
NO BLOCKS OFF CONCRETE SHALL BE LARGER THAN 6 FEET AND THE JOINTS MUST BE CUT BY THE USE OF AN APPROVED GROOVING TOOL MAKING A GROOVE ONE-FOURTH (1/4") INCHES DEEP. ALL EDGES SHALL BE ROUNDED WITH AN APPROVED EDGING TOOL TO A PADRIX OF ONE FOUNDED WITH AN APPROVED EDGING TOOL TO A	THE CONTRACTOR SHAL POWER DISTRIBUTION WORK INCLUDES BUT IS - FURNISHING AND INS
EXISTING APRONS AND "DRIVE AREAS" OF THE WALK MUST BE CONSTRUCTED OF CONCRETE. APRONS AND THE AREA OF WALK OVER WHICH VEHICLES DRIVE MUST BE NO LESS THAN 6 INCHES IN THICKNESS, AND MUST BE LAID IN ACCORDANCE WITH SUPPLEMENTAL TO STATE SPECIFICATIONS FOR THE CITY OF CLEVELAND.	BANKS OF VARIOUS AR - FURNISHING AND INS ELECTRICAL VAULTS (N 11+82.
AT ALL WATER-METER COVERS, GAS BOXES, HYDRANTS, OR OTHER OBSTRUCTIONS, NEATLY FITTED OPENINGS SHALL BE CUT IN THE SIDEWALK. NO WALK SHALL BE LAID UNTIL ALL THESE OBSTRUCTIONS HAVE BEEN RAISED OR LOWERED TO THE CORRECT ELEVATIONS.	- FURNISHING AND INS SYSTEMS WITHIN VAUL - REMOVING EXISTING MANHOLES AND PULL E
NO OBSTRUCTIONS SHALL BE PLACED IN FRONT OF ANY CATCH BASIN, FIRE HYDRANT, FIRE ALARM BOX OR LETTERBOX, OR NEAR ENOUGH TO THE SAME TO INTERFERE WITH THEIR USE.	- COORDINATING WITH - REMOVING EXISTING
NO CHANGE IN THE WIDTH OF THE WALK TO BE LAID SHALL BE MADE FROM THAT OF EXISTING WALKS ON THE STREET AT THE TIME WORK IS DONE UNDER THIS PERMIT, UNLESS SPECIALLY PERMITTED BY THE DIRECTOR OF PUBLIC SERVICE. TREES, LAWNS, AND SHRUBBERY SHALL NOT BE INTERFERED WITH OR DESTROYED BY ANY WORK PERFORMED BY THE CONTRACTOR. WALKS MUST BE LAID TO THE SAME GRADE AS EXISTING WALKS ON THE STREET, UNLESS PERMISSION FOR CHANGE OF GRADE IS OBTAINED FROM THE	- FURNISHING AND INS DUCT BANK SYSTEMS A SYSTEMS - FINISHING AND INST TRANSITIONS FROM UN WHERE OVERHEAD SYST CONTRACTOR'S WORK
DIRECTOR OF PUBLIC SERVICE.	- FURNISHING AND INS SPLICES AND HARDWAR
BE OBSTRUCTED AT ONE TIME, UNLESS CONTRACTOR HAS AN OBSTRUCTION PERMIT. GUTTERS MUST BE LEFT OPEN AT ALL TIMES.	- DE-ENERGIZING ELE
THE SPACING BETWEEN THE WALK AND THE CURB LINE MUST BE GRADED TO ALLOW WATER DRAINAGE, AND MUST BE OF A GRADUAL SLOPE FROM THE WALK TO THE CURB LINE.	- REMOVING EXISTING ACROSS SCRANTON RO DE-ENERGIZED.
THE CONTRACTOR IS RESPONSIBLE FOR REMOVING ALL DIRT AND RUBBISH CAUSED BY HIS WORK.	- FURNISHING AND INS
FAILURE OF A CONTRACTOR TO COMPLY WITH THESE REGULATIONS SHALL RESULT IN THE WITHHOLDING OF FUTURE PERMITS AND SHALL	- TESTING NEW PRIMA
SUBJECT THE HOLDER OF THIS PERMIT TO THE PENALTIES PRESCRIBED IN THE SIDEWALK ORDINANCE.	- ENERGIZING ELECTR
CURBING: CURBING SHALL CONFORM TO THE STANDARDS ESTABLISHED FOR SIZE AND QUALITY IN THE DISTRICT IN WHICH IT IS TO BE INSTALLED. CAST-IN-PLACE CONCRETE CURBS AND INTEGRAL CURBS, WHERE USED, SHALL CONFORM TO DETAIL PLAN NO. ME-246 OF THE CITY OF CLEVELAND.	ALONG PORTIONS OF S SHALL BE REQUIRED TO SYSTEM UNTIL COMPLE

COPIES OF THESE SPECIFICATIONS AND PLANS FOR PAVEMENT REPAIR AND LAYING OF CONCRETE SIDEWALKS MAY BE OBTAINED, UPON REQUEST, FROM THE DIVISION OF ENGINEERING AND CONSTRUCTION OF THE CITY OF CLEVELAND.

R SHALL RELOCATE OR REMOVE ALL OWER FACILITIES AS INDICATED ON THE ED BY THE ENGINEER ONLY AFTER CPP HAS HAT SAID CPP FACILITIES HAVE BEEN SCONNECTED. THIS WORK SHALL BE , INCLUDING INCIDENTALS, AS SHOWN ON REINAFTER SPECIFIED.

IS OF WORK TO BE FURNISHED AND ONTRACTOR SHALL BE AS FOLLOWS:

T CONTRACTOR:

ALL CONSTRUCT THE CPP UNDERGROUND NETWORK WITHIN THE PROJECT LIMITS. THIS IS NOT LIMITED TO:

ISTALLING CONCRETE ENCASED PVC DUCT RRANGEMENTS

ISTALLING PRECAST BUILT-IN-PLACE MANHOLES) LOCATED AT STA. 7+66 & STA.

ISTALLING ELECTRICAL VAULT RACKING TS (MANHOLES).

UNDERGROUND DUCT BANKS, VAULTS, BOXES

H CPP AND ITS CONTRACTORS

G CPP OWNED POWER POLES

ISTALLING FIBER REINFORCED EPOXY (FRE) ACROSS BRIDGES INCLUDING BEAM SUPPORT

TALLING WOODEN POWER POLES FOR NDERGROUND TO OVERHEAD SYSTEMS AND TEMS ARE IMPACTED BY PROJECT

ISTALLING OVERHEAD ELECTRICAL CABLES,

ECTRICAL SYSTEM

G CPP PRIMARY DISTRIBUTION CABLES DAD OVER IR-90 AFTER CABLES HAVE BEEN

- ISTALLING NEW ELECTRICAL CABLE IN DUCTS.
- ARY DISTRIBUTION CABLES.
- ID TAGS ON NEW CABLES AS NECESSARY.
- RICAL SYSTEM

THE CORRIDOR, THE PROJECT CONTRACTOR O MAINTAIN THE EXISTING ELECTRICAL ETION AND ACTIVATION OF THE PROPOSED UNDERGROUND POWER SYSTEM. THE CONTRACTOR SHALL COORDINATE THE DETAILS OF THIS WORK WITH CPP.

SUBMITTALS

IN ADDITION TO THE REQUIREMENTS OF CMS 105, THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR APPROVAL BY CPP ENGINEERING DEPARTMENT ON ALL EQUIPMENT AND MATERIAL FURNISHED AND REQUIRED TO PERFORM THE WORK.

DEFINITIONS

WHENEVER IN THESE SPECIFICATIONS OR IN ANY DOCUMENT OR INSTRUCTIONS ON CONSTRUCTION WHERE THESE SPECIFICATIONS GOVERN. THE FOLLOWING TERMS (OR PRONOUNS IN PLACE OF THEM JARE USED, THE INTENT AND MEANING SHALL BE INTERPRETED AS FOLLOWS: THE CITY OF CLEVELAND, IS THE DIRECTOR OF CITY OF CLEVELAND DEPARTMENT OF PUBLIC UTILITIES.

STATUS OF CITY INSPECTOR

INSPECTORS AS DESIGNATED BY THE CITY OF CLEVELAND SHALL BE AUTHORIZED TO INSPECT ALL WORK DONE AND MATERIALS FURNISHED. SUCH INSPECTING MAY EXTEND TO ALL OR ANY PART OF THE WORK. AND TO THE PREPARATION OR MANUFACTURING OF THE MATERIALS TO BE USED IN THE WORK. THE CITY INSPECTOR, AS DESIGNATED BY THE DIRECTOR OF PUBLIC UTILITIES SHALL GIVE WORK INSTRUCTIONS TO THE PROJECT ENGINEER.

ITEM 625 - CONDUIT, CONCRETE ENCASED, AS PER PLAN

THIS ITEM CONSISTS OF CONSTRUCTING NINE (9) 5 INCH CONDUITS IN A CONCRETE ENVELOPE WITH 4000 PSI (CITY OF CLEVELAND CONCRETE MIX SPECIFICATIONS) AS PER THE DETAILED DRAWINGS. ENCASED CONCRETE CONDUITS SHALL BE MEASURED FROM THE CENTER OF THE ADJUSTED CPP MANHOLES. PAYMENT SHALL BE FOR ACCEPTED QUANTITIES PER FOOT FOR FURNISHING AND INSTALLING THE NINE (9) 5 INCH CONDUITS ENCASED IN A CONCRETE ENVELOPE FOR ITEM 625 - CONDUIT, CONCRETE ENCASED, AS PER PLAN. ANY PAVEMENT, CURB AND SIDEWALK THAT IS OUTSIDE THE PROPOSED FULL DEPTH PAVEMENT LIMITS AND IS DISTURBED TO PERFORM THIS WORK SHALL BE REPLACED IN KIND. PAYMENT FOR PERFORMING THE WORK SHALL BE INCIDENTAL TO THIS ITEM.

THE FOLLOWING ITEMS HAVE BEEN ADDED TO THE PLANS AND CARRIED TO THE GENERAL SUMMARY FOR PERFORMING THIS WORK.

ITEM 625 - CONDUIT, CONCRETE ENCASED, AS PER PLAN (5" PVC)

-TYEM625 TRENCH AS DEEP

ITEM 625 - CONDUIT, MISC.: CPP BRIDGE MOUNTED CONDUITS AND -INCIDENTALS

THIS ITEM CONSISTS OF CONSTRUCTING THE FRE CONDUITS IN THE. BRIDGE STRUCTURE, UTILITY SUPPORT HANGERS AND ALL INCIDENTAL ITEMS SUCH AS CONDUIT FRAME, COUPLINGS AND EXPANSION JOINTS. FRE CONDUIT SHALL CONFORM TO UL1684 & 1684A AND SHALL HAVE A MINIMUM WALL THICKNESS OF 0.110 INCHES. FRE CONDUIT SHALL HAVE A 5 INCH INSIDE DIAMETER MOUNTED AS INDICATED ON THE DRAWINGS. COUPLINGS SHALL HAVE A BELL ON ONE END AND A SPIGOT ON THE OTHER END. ALL COUPLINGS SHALL BE MADE OF THE SAME MATERIAL. EXPANSION FITTINGS SHALL BE PROVIDED ON ALL EXPOSED CONDUIT RUNS.

THIS ITEM SHALL ALSO INCLUDE ALL MATERIALS AND LABOR FOR GRID STYLE CONDUIT SUPPORT BRACKET AS SHOWN ON THE BRIDGE PLANS. THE CONTRACTOR SHALL COORDINATE WITH CPP AND GET CPP APPROVAL BEFORE ORDERING THE BRACKETS.

PAYMENT SHALL BE MADE AT THE BID PRICE PER LINEAR FOOT OF CONDUIT PER ITEM 625, CONDUIT, MISC.: CPP BRIDGE MOUNTED CONDUITS & INCIDENTALS AND INCLUDES THE ENTIRE LENGTH OF CONDUIT THAT RUNS ACROSS THE BRIDGE.

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ITEM 625 - CONDUIT, CONCRETE ENCASED, AS PER PLAN (5" PVC)

WORK INCLUDED 4.

THE CONTRACTOR SHALL FURNISH ALL MATERIALS FOR AND SHALL PROPERLY CONSTRUCT AND CONNECT TO MANHOLES, AS SHOWN ON THE PLANS OR AS DIRECTED. ALL NON-REINFORCED AND REINFORCED CONCRETE ENCASED PVC/FRE CONDUIT AS REQUIRED FOR THE PROPER COMPLETION OF THE WORK INCLUDED UNDER THIS CONTRACT. ALL CONDUITS SHALL BE CONCRETE ENCASED UNLESS NOTED OTHERWISE.

B. CONDUIT AND FITTINGS

POLYVINYL CHLORIDE PVC CONDUIT SHALL CONFIRM TO THE UL651 STANDARDS, 5 INCH IRON PIPE SIZE (I.P.S) WITH CONCRETE ENCASEMENT AS DETAILED ON THE PLANS. COUPLINGS SHALL BE SOCKET TYPE, END BELLS AT MANHOLE ENTRANCE, 5 DEGREES SWEEPS, 11 1/4 DEGREE TO 90 DEGREES INCLUDING FILED DEGREES ANGLE COUPLINGS, STANDARD COUPLINGS, VARIOUS BENDS AND PLUGS OR CAPS TO CLOSE UNUSED CONDUITS, SHALL BE MADE OF THE SAME MATERIAL AS THE CONDUIT. CONDUIT SPACERS SHALL BE SURE AS SHOWN IN THE PLAN DETAILS. CONCRETE BLOCK SPACERS WILL NOT BE ACCEPTED.

C. CONCRETE

CONCRETE USED FOR ENCASEMENT OF CONDUITS SHALL CONFORM TO ROADWAY PLAN GENERAL NOTE CONCRETE DESIGN MIX (CLEVELAND 650). 4000 PSI CITY OF CLEVELAND MIX.

D. INSTALLATION

CONDUIT SHALL BE INSTALLED BY THE BUILT-UP METHOD WITH JOINTS IN ADJACENT DUCTS STAGGERED. NECESSARY SPACERS SHALL BE PLACED AT NO GREATER THAN 8 FEET INTERVALS TO HOLD DUCTS IN THE DESIRED CONFIGURATION, WITH THE DUCT BANK BRACED SECURELY TO KEEP IT FROM SHIFTING AND FLOATING WHILE CONCRETE IS POURED. SEALER COMPOUND FURNISHED BY THE CONDUIT AND EACH SECTION SHALL BE TAPED SECURELY INTO PLACE IN THE PREVIOUS COUPLING TO OBTAIN JOINTS THAT ARE TIGHT AND I FAK-PROOF.

CONCRETE SHALL BE WORKED INTO SPACES BETWEEN DUCTS SO THAT THE CONDUIT BANK IS EFFECTIVELY ENCASED IN CONCRETE WITHOUT VOIDS OR EMPTY SPACES. REINFORCING RODS SHALL BE INSTALLED AS REQUIRED AND WHERE SHOWN ON THE PLANS.

CONDUIT WHICH IS CUT TO FIT SHORT SECTIONS SHALL 2. BE DEBURRED ON THE DUCT END AND THE END OF THE BELL SHALL BE REAMED IN THE INSIDE DIAMETER FOR EACH ENTRY OF THE DUCT INTO COUPLING TO PRODUCE THE SAME JOINTING CONDITIONS AS PROVIDED BY FACTORY MADE CONDUIT SECTIONS.

- THE END BELLS SHALL BE GROUTED IN PLACE.
- INSTALL PULLING LINE IN EACH CONDUIT. 4
- BACKFILLING

REFER TO NOTES "BACKFILL MATERIAL AND BACKFILLING PROCEDURES AND FLOWABLE FILL SPECIFICATION FOR UTILITY TRENCHES".

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THE NUMBER OF FEET OF CONDUIT TO BE PAID FOR SHALL BE THE ACTUAL NUMBER OF FEET FURNISHED AND PLACED AS MEASURED ALONG THE AXIS OF THE CONDUIT DUCT BANK LINE, INCLUDING FITTINGS. THE CONDUIT DUCT BANK LINE CONTAINS 9 CONDUITS.

G. PAYMENTU CONTRACTOR

THE FOOTAGE MEASURED AS PROVIDED ABOVE SHALL BE PAID FOR AT THE CONTRACTOR PRICE BID PER FOOT UNDER ITEM 625 AS DESCRIBED BELOW, CLASSIFIED AS TO SIZE AND TYPE, WHICH PRICE AND PAYMENT SHALL CONSTITUTE FULL COMPENSATION FOR EXCAVATING AND FOR FURNISHING, HAULING, PLACING THE NINE (9) 5" CONDUITS IN THE DUCT BANK, FITTINGS, CAPPING, PULLING LINES, SPAGERS, CONCRETE, REINFORCING STEEL, SHEETING AND BRACING, BACKFILL, PLASTIC CAUTION TAPE (OR RED TINTED CONCRETE), INCIDENTAL CONCRETE, REMOVAL OF ALL SURPLUS EXCAVATION AND DISCARDED MATERIAL, BREAKING AND RESTORATION OF EXISTING MANHOLE WALLS AND ALL LABOR, EQUIPMENT, TOOLS, AND INCIDENTALS NECESSARY TO COMPLETE THE WORK AS SPECIFIED. THESE ITEMS AS MEASURED AS PROVIDED ABOUT SHALL BE PAID FOR UNDER:

ITEM UNIT DESCRIPTION

ITEM 625 - CONDUIT, CONCRETE ENCASED, AS PER PLAN (5" PVC)

MAINTAIN EXISTING LIGHTING AND POWER

THE CONTRACTOR SHALL NOT INTERRUPT EXISTING LIGHTING AND POWER EXCEPT FOR SUCH PERIODS AS THE ENGINEER MAY REQUIRE FOR THE PROPER CONSTRUCTION OF NEW FACILITIES TO BE IN PLACE AND OPERATION. FINAL CONNECTION SHALL BE MADE BY CPP AFTER ALL TESTING HAS BEEN CONDUCTED AND FACILITIES HAVE BEEN ACCEPTED BY CPP.

PAVEMENT REPAIR

CONCRETE PAVEMENT:

ALL PAVEMENT OPENINGS SHALL BE SAWED FULL DEPTH AND HAVE SMOOTH VERTICAL FACES. DOWELS SHALL BE REQUIRED.

CONCRETE REPAVING SHALL BE PERFORMED IN SUCH A MANNER THAT THE ENTIRE LANE AND/OR SLAB IN WHICH THE REPAIR AREA IS LOCATED SHALL BE RESTORED. SHOULD ANY PORTION OF THE REPAIR AREA EXTEND INTO AN ADJACENT LANE AND/OR SLAB, THAT LANE OR SLAB SHALL BE REPAVED.

ASPHALT PAVEMENT:

ALL PAVEMENT OPENINGS SHALL BE SAWED FULL DEPTH AND HAVE SMOOTH VERTICAL FACES. DOWELS SHALL BE REQUIRED.

ASPHALT RESURFACING SHALL BE PERFORMED IN SUCH A MANNER THAT THE ENTIRE LANE IN WHICH THE REPAIRS ARE LOCATED SHALL BE RESTORED. SHOULD ANY PORTION OF THE REPAIR AREA EXTEND INTO AN ADJACENT LANE, THAT LANE SHALL ALSO BE RESURFACED. FOR PAVEMENT WITH A WIDTH OF 40 FEET OR LESS, A LANE SHALL BE CONSIDERED 1/2 THE PAVEMENT WIDTH.

EXTEND OVER CUT IN LONGITUDINAL DIRECTION 2 FEET UNTO UNDISTURBED SUBGRADE.

ITEM 202 - REMOVAL MISC.: CPP DUCT BANK

THE CONTRACTOR SHALL REMOVE ALL CPP CONDUIT THAT RUNS THRU THE MANHOLES LOCATED AT STA. 7+66 AND STA. 11+82 AFTER CPP HAS REMOVED THE PRIMARY DISTRIBUTION CABLE FROM THESE CONDUITS. PAYMENT FOR ALL THE LABOR, EQUIPMENT AND MATERIALS NEEDED TO PERFORM THIS WORK HAS BEEN INCLUDED WITH ITEM 202-REMOVAL MISC.: CPP DUCT BANK AND CARRIED TO THE GENERAL SUMMARY.

ITEM 202 - REMOVAL MISC.: CPP CONDUIT BANK 166 FT

CPP - POWER CABLE INSTALLATION

AFTER THE CONTRACTOR HAS INSTALLED THE PVC DUCTS IN THE PAVEMENT AND APPROACH SLABS AND FRE DUCTS ACROSS THE BRIDGE, CPP WILL BE INSTALLING ELECTRICAL CABLE IN THE NEW DUCTS AND SPLICING INTO ITS EXISTING FACILITIES. CONTRACTOR SHALL GIVE CPP THREE WEEKS NOTICE PRIOR TO ALLOWING CPP ON SITE TO COMMENCE THIS WORK. ALL DUCTS MUST BE IN PLACE BEFORE CPP CAN BEGIN THEIR WORK. CPP SHALL THEN BE ALLOWED A MINIMUM OF THREE CALENDAR WEEKS TO COMPLETE INSTALLATION AND SPLICING. CPP MAY NOT ALWAYS NEED EXCLUSIVE ACCESS TO THE SITE DURING THIS WORK AND THE CONTRACTOR AND CPP SHALL COORDINATE ACCORDINGLY TO FACILITATE COMPLETION OF THE PROPOSED WORK.

CPP - POWER CABLE REMOVAL

CPP SHALL REMOVE THE EXISTING ELECTRICAL CABLE IN THE CONDUIT THAT RUNS THRU THE CPP MANHOLES LOCATED AT STA. 7+66 AND STA. 11+82. CONTRACTOR SHALL GIVE CPP THREE WEEKS NOTICE PRIOR TO ALLOWING CPP ON SITE TO COMMENCE THIS WORK. CPP SHALL BE ALLOWED A MINIMUM OF ONE CALENDAR WEEK TO COMPLETE REMOVING THE CABLES. CPP MAY NOT ALWAYS NEED EXCLUSIVE ACCESS TO THE SITE DURING THIS WORK AND THE CONTRACTOR AND CPP SHALL COORDINATE ACCORDINGLY TO FACILITATE COMPLETION OF THE PROPOSED WORK.

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					27							27	202	35100	27	FT	PIPE REMOVED, 24" AND UNDER
					54							54	202	38000	54	FT	CUARDRATI REMOVED
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	50											50	SPECIAL	20270110	50	FT	PIPE CLEANOUT, 24" AND UNDER
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							400					400	452	11010	400	SY	7" NON-REINFORCED CONCRETE PAVEMENT
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								417				417		625	29200	417	FT	TRENCH, 48" DEEP
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								2				2		625	31506	2	EACH	PULL BOX REMOVED AND REPLACED
								1				1		625	33000	1	EACH	STRUCTURE GROUNDING SYSTEM
								1				1		625	34001	1	EACH	POWER SERVICE, AS PER PLAN
								1				1		625	34450	1	EACH	CONTROL CENTER CABINET, COMPLETE
		 						4				4		625	35011	4	EACH	REMOVE AND REERECT EXISTING LIGHT POL
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į								166					166	202	98200	166	FT Y	REMOVAL MISC.: CPP DUCT BANK
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-									$p \sim c$				210	025	- 29200-	- 210 -	F1	TRENCH, 48" DEEP
07.0					26							26		630	03100	26	FT	GROUND MOUNTED SUPPORT, NO. 3 POST
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		 			/ 							1 9		630	84900	1 0	EACH	REMOVAL OF GROUND MOUNTED SIGN AND
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8—		0.5										0.5		642 644	00300	0.5	MILE	CENTER LINE, TYPE 1
2		0.00										0.00		644	00204	0.00	MILE MILE	LANE LINE, 6"
		1.100										1.100		644	00404	1,100	FT	CHANNEL IZING LINE. 12"
		250										250		644	00720	250	FT	CHEVRON MARKING
		 10.0										10.0		<u></u>	01510	10.0		
<u></u>		180			0.3							180		644	01510	180	FI MILE	DOTTED LINE, 6"
<u> </u>					0.5							0.5		646	10200	0.5	MILE	CENTER I INF
					55							55		646	10200	55	FT	STOP LINE
					261							261		646	10500	261	FT	CROSSWALK LINE
					229							229		646	10600	229	FT	TRANSVERSE/DIAGONAL LINE
<u>+</u>					200							200		646	20500	200	FT	DOTTED LINE
0.00					3							3		646	20600	3	EACH	BIKE LANE SYMBOL MARKING
		 			5							5		646	20650	5	EACH	SHARED LANE MARKING
ct			35									35		625	25400	35	FT	CONDUIT, 2", 725.04
stri			35									35		625	29000	35	FT	TRENCH
		 	1									1		625	30706	1	EACH	PULL BOX, 725.08, 24″
		 	2									2		632	05007	2	EACH	VEHICULAR SIGNAL HEAD. (LED). 3-SECTIO
S S			1									1		632	05065	1	EACH	VEHICULAR SIGNAL HEAD, (LED), 4-SECTIO
ec			52									52		632	30200	52	FT	MESSENGER WIRE, 7 STRAND, 3/8" DIAMET
			52									52		632	30600	52	FT	TETHER WIRE, WITH ACCESSORIES
			270									270		632	40600	270	FT	SIGNAL CABLE, 6 CONDUCTOR, NO. 14 AWG
			242									242		632	40700	242	FT	SIGNAL CABLE, 7 CONDUCTOR. NO. 14 AWG
			1									1		632	70400	1	EACH	CONDUIT RISER, 2" DIAMETER
]	1									1		632	80700	1	EACH	SIGNAL SUPPORT, MISC.: WEATHERHEAD
: 		 	2									2		632	89301 89400	2	EACH FACH	NOUD POLE, AS PER PLAN
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DESCRIPTION	SEE SHEET NO.	CALCULATED AA CHECKED JEP
LIGHTING		
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AN (2")	45	
PLAN	45	
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LE, AS PER PLAN	45	>
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	4.5	◄
PULL BOX	45	Σ
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Y ELECTRICAL		⊃
uuul	5D	ທ
TINGS -	47	
AN (5" PVC) NUDUITS AND INCIDENTALS	50	
NDOITS AND INCIDENTALS	50	
TRAFFIC CONTROL		z
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DISDACAL		
REERECTION		
PORT AND DISPOSAL		
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TRAFFIC SIGNALS		
TRAFFIC SIGNALS		
N, 12" LENS, 1-WAY, POLYCARBONATE, AS PER PLAN	16	~
N, IZ" LENS, I-WAY, PULYUARBUNATE, AS PER PLAN	16	≻
LN MITH AUULJJUNILJ		
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					S	SHEET NUN	Λ.						PART.	17514	ITEM	GRAND		
	6	7	8	18						52			01/BRO/BR	IIEM	EXT	TOTAL	UNIT	
																		7
				1									1	632	90100	1	ЕЛСИ	I REMOVAL OF TRAFFIC SIGNAL INSTALLATIO
				2									2	809	69100	2	EACH	STOP LINE RADAR DETECTION
														000				STRUCTURE
										LS			LS	202	11203	LS	CV	PORTIONS OF STRUCTURE REMOVED, OVER
										254 LS			254 LS	503	11100	254 LS	57	COFFERDAMS AND EXCAVATION BRACING
										82			82	503	21100	82	СҮ	UNCLASSIFIED EXCAVATION
										218,028			218,028	509	10000	218,028	LB	EPOXY COATED REINFORCING STEEL
										616			616	510	10000	616	EACH	DOWEL HOLES WITH NONSHRINK, NONMETAL
										4			4	511	33501	4	EACH	SEMI-INTEGRAL DIAPHRAGM GUIDE, AS PER
										798			798	511	34446	798	СҮ	CLASS QC2 CONCRETE WITH QC/QA, BRIDO
										70			70	511	34450	70	СҮ	CLASS QC2 CONCRETE WITH QC/QA, BRIDO
										23			23	511	42510	23	CY	CLASS QC1 CONCRETE, PIER CAP
										37			37	511	44110	37	CY	CLASS QUI CONCREVE, ABOUMENT NOT INC
										35			35	511	53012	35	CY	CLASS QC2 CONCRETE, MISC.: PARAPET AI
										902			902	512	10050	902	SY	SEALING OF CONCRETE SURFACES (NON-EP
.n										1.873			1.873	512	10100	1.873	SY	SEALING OF CONCRETE SURFACES (EPOXY-
										74			74	512	10300	74	SY	SEALING CONCRETE BRIDGE DECKS WITH HM
Ad	_									19			19	512	10600	19	FT	CONCRETE REPAIR BY EPOXY INJECTION
×										4			4	512	33000	4	SY	TYPE 2 WATERPROOFING
с С								(\sim	1,044	\sim	m	V,044	512	74000	1,044	SY	REMOVAL OF EXISTING COATINGS FROM CO
									· · ·	6,200			6,200	513	10200	6,200	LB	STRUCTURAL STEEL MEMBERS, LEVEL UF
2:16									\sim	4 905	\sim		4,905	513	20000	4,905	EACH	WELDED STUD SHEAR CONNECTORS
51										30,700		T T	30,700	x 514 x	× 00050×	X 30,700	SF	SURFACE PREPARATION OF EXISTING STRU
									(<u>اح</u>	
2/5/									$\vdash \epsilon$	30,700			30,700	514	00056	30,700	SF SF	FIELD PAINTING OF EXISTING STRUCTURAL
										30 400	\sim	$\overline{)}$	30 400	514	00066	30,400	SF SF	FIELD PAINTING STRUCTURAL STEEL, INTER
5										36			36	514	00504	36	MNHR	GRINDING FINS TEARS SLIVERS ON EXIST
03.d	_									15			15	514	10000	15	EACH	FINAL INSPECTION REPAIR
00										158			158	516	10010	158	FT	ARMORLESS PREFORMED JOINT SEAL
390										21			21	516	13200	21	SF	1/2" PREFORMED EXPANSION JOINT FILLER
67.										31			31	516	13600	31	SF	1" PREFORMED EXPANSION JOINT FILLER
ts										180			180	516	13900	180	SF	2" PREFORMED EXPANSION JOINT FILLER
shee										149			149	516	14020	149	FT	SEMI-INTEGRAL ABUTMENT EXPANSION JOI
χαγ.										1			1	516	43300	1	EACH	ELASTOMERIC BEARING WITH INTERNAL LAN
poc										14			14	5/6	44200	14	EACH	ELASTOMERIC BEARING WITH INTERNAL LAN
2										21			21	5/6	44200	21	EACH	LASTOMERIC BEARING WITH INTERNAL LAN
17390										110			110	518	21200	110	СҮ	POROUS BACKFILL WITH GEOTEXTILE FABR
52/9										774			774	519	1101	774	85~~	PATCHING SONGRETE STRUCTURE AS PER
4										99			99	526	10010	99	SY	REINFORCED CONCRETE APPROACH SLABS
06										163			163	526	25010	163	SY	REINFORCED CONCRETE APPROACH SLABS
0										129			129	326	90031	129		TYPE CINSTALLATION, AS PER PLAN
										1,524			1,524	SPECIAL	53013000	1,524	SF	FORM LINER
t 12										755			755	607	39901	755	FT	VANDAL PROTECTION FENCE, 6' STRAIGHT,
etric																		
		240											240	614	11110	240	HOUR	LAW ENFORCEMENT OFFICER WITH PATROL
			12										12	614	12384	12	EACH	WORK ZONE IMPACT ATTENUATOR, 24" WID
	LS	70												614	12420		EACU.	DETOUR SIGNING
ects	-	72											72	614 614	13350	72	EACH	OBJECT MARKER, ONE WAY
Proj		6											6	614	18601	6	SNMT	PORTABLE CHANGEARIE MESSAGE STON AS
lion		0	0.01										0.01	614	21000	0.01	MILE	WORK ZONE CENTER LINE. CLASS I
tat		1	0.89		1	1		1	1	1		1	0.89	614	22000	0.89	MILE	WORK ZONE EDGE LINE, CLASS I. 4"
por			2,379										2,379	614	23000	2,379	FT	WORK ZONE CHANNELIZING LINE, CLASS I,
ans			277										277	614	24000	277	FT	WORK ZONE DOTTED LINE, CLASS I
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DESCRIPTION	SEE SHEET NO.	CALCULATED AA CHECKED JEP
RAFFIC SIGNALS CONTINUED		
ON		
E OVER 20 EOOT SRAN (CUV-00-1452)		
OVER 20 FOOT SPAN (LUT-90-1452)	50	
20 FOOT SPAN, AS PER PLAN	50	
	50	
LIC GROUT		
PLAN	50	
SE DECK		
E DECK (FARAFET)		
tuping footing		~
VD SIDEWALK WITH OCYÓAN)	61	
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ING STRUCTURAL STEEL		
NT SEAL		
ATNATES ONLY (NEOPRENE) (12"Y12"Y3 70")		
ATNATES AND LOAD DLATE (NEODDENE) (12/V10/VZ ZO/)		
MINATES AND LOAD PLATE (NEOPRENE) (12 X10 X3.70)		
MINATES AND LOAD PLATE (NEOPKENE) (15"X20"X3.25")		
PERSTRUCTURE, AS PER PLAN	50	
IC		
PHAN	50	
WITH OC/OA (T=12 ^m)		
WITH QU/QA (T=15")		
	51	
	51	2
, COATED FABRIC, AS PER PLAN	50	5
		_
MAINTENANCE OF TRAFFIC		<u> </u>
CAR FOR ASSISTANCE		
LAR FUR ASSISTANCE		Ò
E HAZARUS, (BIDIRECTIONAL)		e e
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8"		_
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STATION TO STATION	ET NO. STATION TO STATION	EL NO. BERNORED STATION TO STATION	ELI NO. 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				CUY-090-1452 ESTIMATED QUANTITIES		MADE E DATE: C	8Y: CCJ 1/24/19	CHECKED DATE: 0	BY: EDW 1/25/19
		TOTAL				CUY-09	0-1452		
ITEM	ITEM EXT.		UNITS	DESCRIPTION	ABUTS.	PIERS	SUPER.	GENERAL	-SHT. REF
202	11203	LUMP		PORTIONS OF STRUCTURE REMOVED, OVER 20 FOOT SPAN, AS PER PLAN				LUMP	3
202	22901	254	SQ YD	APPROACH SLAB REMOVED, AS PER PLAN				254	3
503	11100	LUMP		COFFERDAMS AND EXCAVATION BRACING				LUMP	
503	21100	82	CU YD	UNCLASSIFIED EXCAVATION	82				
509	10000	218028	LB	EPOXY COATED REINFORCING STEEL	17462	3603	196963		
510	10000	616	EACH	DOWEL HOLES WITH NON-SHRINK, NONMETALLIC GROUT	402	214			
511	33501	4	EACH	SEMI-INTEGRAL DIAPHRAGM GUIDE, AS PER PLAN	4				3
511	34446	798	CU YD	CLASS QC2 CONCRETE WITH QC/QA, BRIDGE DECK			798		
511	34450	70	CU YD	CLASS QC2 CONCRETE WITH QC/QA, BRIDGE DECK (PARAPET)			70		
511	42510	23	CU YD	CLASS QCI CONCRETE, PIER CAP		23			
511	44110	37	CU YP	SEASE OCT SOMSRETE, ABUTMENT NOT INSCUDING FOOTING	37				
511	53012	35	CU YO	CLASS QC2 CONCRETE, MISC.: PARAPET AND SIDEWALK WITH QC/QA				35	
512	10050	902	SQ YD	SEALING OF CONCRETE SURFACES (NON-EPOXY)				902	
512	10100	1873	SQ YD	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)	685	475	713		
512	10300	74	SQ YD	SEALING CONCRETE BRIDGE DECKS WITH HMWM RESIN			74		
512	10600	19	FT	CONCRETE REPAIR BY EPOXY INJECTION	19				
512	33000	4	SQ YD	TYPE 2 WATERPROOFING	4				
512	74000	1044	SQ YD	REMOVAL OF EXISTING COATINGS FROM CONCRETE SURFACES	617	427			
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513	19209	6200	LB	STRUCTURAL STEEL MEMBERS, LEVEL UF	LUL LUL	$\chi \chi \chi$	6200	$\mathcal{O}$	
513	20000	4905	EACH	WELDED STUD SHEAR CONNECTORS			4905		
		$\sim$	$\frown$		$\uparrow \uparrow \uparrow \uparrow$	$\sim$	$\sim$	h	
514	00050	30700	SQ FT	SURFACE PREPARATION OF EXISTING STRUCTURAL STEEL			30700	ζ	
514	00056	30700	SQ FT	FIELD PAINTING OF EXISTING STRUCTURAL STEEL, PRIME COAT			30700	4	
514	00060 🗸	30400	SOFT	ELELD RAINTING STRUCTURAL STEEL IN TERMEDIATE SOAT			30400		
514	00066	30400	SQ FT	FIELD PAINTING STRUCTURAL STEEL, FINISH COAT			30400		
514	00504	36	MN HR	GRINDING FINS, TEARS, SLIVERS ON EXISTING STRUCTURAL STEEL			36		
514	10000	15	EACH	FINAL INSPECTION REPAIR			15		
516	10010	158	FT	ARMORLESS PREFORMED JOINT SEAL				158	
516	13200	21	SQ FT	1/2" PREFORMED EXPANSION JOINT FILLER	21				
516	13600	31	SQ FT	1" PREFORMED EXPANSION JOINT FILLER				31	
516	13900	180	SQ FT	2" PREFORMED EXPANSION JOINT FILLER	180				
516	14020	149	FT	SEMI-INTEGRAL ABUTMENT EXPANSION JOINT SEAL	149				
516	43300	1	EACH	ELASTOMERIC BEARINGS WITH INTERNAL LAMINATES ONLY (12"x12"x3.70") (NEOPRENE)	1				
516	44200	14	EACH	ELASTOMERIC BEARINGS WITH INTERNAL LAMINATES (12"×18"×3.70") AND LOAD PLATE (13"×19"×1.50") (NEOPRENE)	14				
516	44200	21	EACH	ELASTOMERIC BEARINGS WITH INTERNAL LAMINATES (15"x20"x3.25") AND LOAD PLATE (16"x21"x1.50") (NEOPRENE)		21			
516	47001	LUMP		JACKING AND TEMPORARY SUPPORT OF SUPERSTRUCTURE, AS PER PLAN				LUMP	3
518	21200	110	CU YD	POROUS BACKFILL WITH GEOTEXTILE FABRIC	110				
510	11101	774	SO ET	RATCHING CONCRETE SIRUCTURE AS REP. PLAN	7.7.4				र
526	10010		CO VD		$\gamma\gamma\gamma\gamma$			00	
520	25010	167		DEINEOROED CONCRETE ADDROACH SLADS WITH OC COA (T-12)		1		33	
520	25010	COI	<u>کر الل</u>	$\frac{1}{1} \frac{1}{1} \frac{1}$		x x 7		120	
	17000	1504		n the tring allahow as the read			1050	129	-
530	13000	1524	SQ FT	SPECIAL - FUKM LINEK			1252	212	4
607	39901	155	<i>FT</i>	IVANUAL PROTECTION FENCE, 6' STRAIGHT, COATED FABRIC, AS PER PLAN			134	621	4

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REVIEWED DATE GTB 1/29/201 STRUCTURE FILE NUMBE 1809261
DRAWN CCJ REVISED
DESIGNED CCJ CHECKED EDW
ESTIMATED QUANTITIES BRIDGE NO. CUY-090-1452 SCRANTON ROAD OVER IR 90
CUY-90-14.52 PID No. 97390
5/38

NOTES:

1. TOTALS CARRIED TO GENERAL SUMMARY SHEET 22 91



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67'-2"± C/C BRG. 86'-5 1/8 "± C/C BRG. 86'-61/2"± C/C BRG. 68'-21/8"± C/C BRG. SPAN 1 SPAN 2 SPAN 3 SPAN 4 –16°4′29″ -12°33′9″ - ¢ BRG. REAR € PIER 3 -ABUTMENT **-**−6°5′21″± € PIER 2-€ F.S. 2 € BRG. FORWARD © PIER 1 ABUTMENT € F.S. 1 € F.S. 3-G1 -*G2* € CONSTRUCTION SCRANTON ROAD *SPA. 8'-0" = 25'-6"* G3|-G4:-10 N 10° 46' 20" 65¦— @ | (<del>‡</del> *SPA. 8'-0" 25'-6'* -66-G7: — Μ FIELD SPLICE (TYP,) INDICATES LOCATION OF └─ INDICATES LOCATION OF CONDUIT EXPANSION JOINT CONDUIT FIXED SUPPORT RACK (SEE DETAIL-SPLIT STOP RINGS WITH O-RING (TYP.) TO BE INSTALLED HERE) 4 SPA. @ 13'-9"± = 55'-0"= 9 SPA. @ 14'-5"± = 129'-9"±  $15'-0''_{\pm}$   $15'-1''_{\pm}$  4 SPA. @  $15'-0''_{\pm}$  =  $60'-0''_{\pm}$ EX. -13'-013/6"±  $-14'-8^{1}/_{2}''_{\pm}$ FRAMING PLAN (EXISTING AND PROPOSED UTILITES NOT SHOWN) € BRG. FORWARD € BRG. REAR € PIER 3 -ABUTMENT © PIER 1 — € PIER 2 — ABUTMENT DIMENSIONS FOR 3" HOLE - REAR ABUTMENT S± V± T± ` U± Υ± AA± BB± W± Х± 7± GIRDER Α В С D COMPRESSION COMPRESSION TENSION TENSION COMPRESSION TENSION TENSION COMPRESSION TENSION TENSION G1 101/2" 1'-0″ 1'-0" 1'-0″ -O" NO STUDS G2 101/2" 1'-0″ 1'-0″ 1'-0″ SPA. @ 1'-6" = 4'-6" G3 101/2" 1'-0″ 1'-0″ 1'-0″ — 3 SPA. @ 1'-6" = 4'-6" — 3 SPA. @ 1'-6" = 4'-6" - 1'-0" G4 -1'-0" 101/2" 1'-0″ 1'-0″ 1'-0″ - 4'-O" NO STUDS *— 1′-0″* 1'-0"----— 4'-0" NO STUDS 1-0"-J SPA. @ 1'-3" MAX = K G5 1'-0″ 1'-0″ 1'-0″ - SPA. @ 1'-3" MAX = G H SPA. @ L SPA. @ N SPA. @ 1'-3" , Q SPA. @ 1'-3" MAX = R 101/2″ HSPA. @ -6″ MAX = PG6 101/2″ 1'-0″ 1'-0″ 1'-0″ BRG. STIFFENER 1'-51/4 "+= I  $''-5^{1/2} = I$ 2-E 61/2×3/4 (E.F.)(TYP.) G7 101/2" 1'-0" 1'-0″ 1'-0″ _____Ḯ́I_. ĨŢĹĮ I<u>JI</u> ....<u>IIII</u> 3" DIA. HOLES <u>ч</u>щ______╈__ FOR DIAPHRAGM EXISTINĢ WEB BCD ШЭ 6″ REINFORCING (TYP. 48" X 3/8 (TYP.) (TYP.) (SEE NOTE 6) _____ <u>-</u>______ - EXIST. BRG.  $\nabla$ _21'-0[']"±__ ___€ F.S. 2  $\nabla$ 20'-0"± —∉ F.S. 1 20'-0"± EXIST. DIKG. STIFFENER P 61/2×3/4 (E.F.)(TYP.) 1" VENT HOLES (TYP.) 125/8 (TYP.) (TYP.) ¢ F.S. 3-(E.F.) (TYP.) 117/8″ SEE NOTE 3 *12′-6″±*◊ 13′-0″±◊ 14′-0″± ◊ 14′-0″± ◊ *13′−0″±*◊ 12′-6″±◊ *11′−6″±*⊗ *12′−0″±*⊗ *13′−0″±*⊗ *13′−0″±*⊗ 12′-0″±⊗ 11′-6″±⊗ 1′-0″± А± В± С± D± Ε± LEGEND: GIRDER ELEVATION (INTERMEDIATE STIFFENERS OMITTED FOR CLARITY) *♦= G1-G5, G7* ⊗= G6 GIRDER ELEVATION TABLE IRDER A (FT) B (FT) C (FT) D (FT) E (FT) G (FT) H I (FT) K (FT) M (FT) N P(FT) R (FT) S (FT) T (FT) U (FT) V (FT) W(FT) X (FT) Y (FT) F ./ Q G1 64'-5 1/2" 83'-6 1/2" 84'-10" 66'-4 1/2" 301'-2 1/2" 42 51'-5 1/2" 17 24′-6″ 38 47′-0 1/2″ 18 27'-0" 32 39′-10″ 43 53'-4 1/2" 46′-3″ 18′-2″ 19'-5 1/2" 44'-1 1/2" 20'-0" 20'-4 " 45'-9 " 18'-G2 84'-6 1/2" 85'-4 1/2" 67′-0″ 304′-3″ 42 52'-4" 17 39 48'-0 1/2" 46'-3" 18'-10 65′-4″ 24'-6" 18 27'-0" 33 40'-4 1/2" 44 54'-0" 46'-11 1/2" 18'-5 " 19′-6″ 45′-6″ 19′-6″ 20′-3″ *G3* 307′-4 ″ 53′-3″ 17 24′-6″ 46'-4 " 19'-0 66′-3″ 85'-6" 85'-11 1/2" 67′-7″ 43 40 49′-0″ 18 27′-0″ 33 40'-11 1/2" 44 54′-7″ 47'-4 1/2" 18'-10 1/2" 20'-2 " 45'-2 ″ 20'-2 1/2" 20'-7 " G4 67′-2 ″ 86′-6″ 86′-6″ 68'-2 1/2" 310'-4 1/2" 44 54'-2 " 17 24′-6″ 40 50′-0″ 18 27'-0″ 34 41′-6″ 45 55'-2 1/2" 48'-0 1/2" 19′-1″ 20'-4 " 45′-9″ 20′-5″ 21'-3 1/2" 45'-9" 19'-313'-5 1/2" 24′-6″ 41 51′-0″ 48'-11 1/2" 19'-1 1/2" 20'-5 1/2" 46'-6 1/2" 20'-6 " 21'-4 1/2" 45'-10 1/2" 19'-9 G5 68′-1 ″ 87'-6 " 87'-0 1/2" 68'-10" 45 55′-1 ″ 17 27'-0″ 34 42'-0 1/2" 45 55′-10″ 18

35 42'-7 1/2" 46

57′-5″

49′-7″

35 43'-2" 46 57'-0 1/2" 50'-1 1/2" 19'-9 " 20'-11 1/2" 48'-5 1/2" 20'-0 1/2" 21'-4 "

46 56'-11 1/2"

16

46 56'-10 1/2" 17 24'-6"

23'-0″

43 52'-11 1/2"

43 52'-11 1/2"

17

18

25′-6″

27'-0"

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G6

68'-11 1/2" 88'-5 1/2" 87'-7 1/2"

G7 69'-10 1/2" 89'-5 1/2"

69′-5″

88'-2" 70'-0 1/2" 319'-7 "

316′-6″

5½″± C/C BRG. SPAN 3	68'-21/8"± C/C BRG. SPAN 4	MEASURED ALONG & CONSTRUCTION SCRANTON	TROAD	ENCY
PIER 3	€ BRG. FORWARD	-19°48′20″±		DESIGN AG
		END CRO REMOVE	DSSFRAMES TO BE D IN ALL BAYS	REVIEWED DATE GTB 1/29/2019 STRUCTURE FILE NUMBER 1809261
		PROPO IN BA 7)	DSED L 3½X 3½ X ¾ YS 1, 2, 5, & 6 (SEE NOTE	SIGNED DRAWN CRG CRG ECKED REVISED DW
CONDUIT FIXED SUPPORT (SEE DETAIL-SPLIT STOP TO BE INSTALLED 15'-0"± 15'-1"± .AN ILITES NOT SHOWN) $\begin{array}{c} PIER 3 \\ \hline \\ Y^{\pm} \\ COMPRESSION \\ \hline \\ TENSI \\ \hline \\ SPA. @ 1'-6" = 4'-6" \\ \hline \\ 4'-0" NO STUDS \\ \hline \\ N SPA. @ 1'-3" \\ \hline \\ MAX = P \\ \hline \\ MAX = P \\ \hline \\ \hline \\ MAX = P \\ \hline \\ \hline \\ F.S. 2 \\ \hline \\ (TYP) \\ \hline \\ $	$\begin{array}{c} RACK \\ RINGS \\ HERE) \\ 4 SPA. @ 15'-0"\pm = 60'-0"\pm \\ 4 SPA. @ 15'-0"\pm = 60'-0"\pm \\ 4 SPA. @ 15'-0"\pm = 60'-0"\pm \\ 8B\pm \\ ON TENSION COMPRESSION \\ -4'-0" NO STUDS \\ -3 SPA. @ 1'-6" = 4'-6" \\ 1'-0" \\ -3 SPA. @ 1'-6" = 4'-6" \\ 1'-0" \\ SPA. @ 0 SPA. @ 1'-3" MAX \\ 51/4 "+= 1 \\ -51/4 "+= 1 \\ -51/4 "+= 1 \\ -51/4 "+= 1 \\ -51/4 "+= 1 \\ -51/4 "+= 1 \\ -51/4 "+= 1 \\ -51/4 "+= 1 \\ -51/4 "+= 1 \\ -51/4 "+= 1 \\ -51/4 "+= 1 \\ -51/4 "+= 1 \\ -51/4 "+= 1 \\ -51/4 "+= 1 \\ -51/4 "+= 1 \\ -51/4 "+= 1 \\ -51/4 "+= 1 \\ -51/4 "+= 1 \\ -51/4 "+= 1 \\ -51/4 "+= 1 \\ -51/4 "+= 1 \\ -51/4 "+= 1 \\ -51/4 "+= 1 \\ -51/4 "+= 1 \\ -51/4 "+= 1 \\ -51/4 "+= 1 \\ -51/4 "+= 1 \\ -51/4 "+= 1 \\ -51/4 "+= 1 \\ -51/4 "+= 1 \\ -51/4 "+= 1 \\ -51/4 "+= 1 \\ -51/4 "+= 1 \\ -51/4 "+= 1 \\ -51/4 "+= 1 \\ -51/4 "+= 1 \\ -51/4 "+= 1 \\ -51/4 "+= 1 \\ -51/4 "+= 1 \\ -51/4 "+= 1 \\ -51/4 "+= 1 \\ -51/4 "+= 1 \\ -51/4 "+= 1 \\ -51/4 "+= 1 \\ -51/4 "+= 1 \\ -51/4 "+= 1 \\ -51/4 "+= 1 \\ -51/4 "+= 1 \\ -51/4 "+= 1 \\ -51/4 "+= 1 \\ -51/4 "+= 1 \\ -51/4 "+= 1 \\ -51/4 "+= 1 \\ -51/4 "+= 1 \\ -51/4 "+= 1 \\ -51/4 "+= 1 \\ -51/4 "+= 1 \\ -51/4 "+= 1 \\ -51/4 "+= 1 \\ -51/4 "+= 1 \\ -51/4 "+= 1 \\ -51/4 "+= 1 \\ -51/4 "+= 1 \\ -51/4 "+= 1 \\ -51/4 "+= 1 \\ -51/4 "+= 1 \\ -51/4 "+= 1 \\ -51/4 "+= 1 \\ -51/4 "+= 1 \\ -51/4 "+= 1 \\ -51/4 "+= 1 \\ -51/4 "+= 1 \\ -51/4 "+= 1 \\ -51/4 "+= 1 \\ -51/4 "+= 1 \\ -51/4 "+= 1 \\ -51/4 "+= 1 \\ -51/4 "+= 1 \\ -51/4 "+= 1 \\ -51/4 "+= 1 \\ -51/4 "+= 1 \\ -51/4 "+= 1 \\ -51/4 "+= 1 \\ -51/4 "+= 1 \\ -51/4 "+= 1 \\ -51/4 "+= 1 \\ -51/4 "+= 1 \\ -51/4 "+= 1 \\ -51/4 "+= 1 \\ -51/4 "+= 1 \\ -51/4 "+= 1 \\ -51/4 "+= 1 \\ -51/4 "+= 1 \\ -51/4 "+= 1 \\ -51/4 "+= 1 \\ -51/4 "+= 1 \\ -51/4 "+= 1 \\ -51/4 "+= 1 \\ -51/4 "+= 1 \\ -51/4 "+= 1 \\ -51/4 "+= 1 \\ -51/4 "+= 1 \\ -51/4 "+= 1 \\ -51/4 "+= 1 \\ -51/4 "+= 1 \\ -51/4 "+= 1 \\ -51/4 "+= 1 \\ -51/4 "+= 1 \\ -51/4 "+= 1 \\ -51/4 "+= 1 \\ -51/4 "+= 1 \\ -51/4 "+= 1 \\ -51/4 "+= 1 \\ -51/4 "+= 1 \\ -51/4 "+= 1 \\ -51/4 "+= 1 \\ -51/4 "+= 1 \\ -51/4 "+= 1 \\ -51/4 "+= 1 \\ -51/4 "+= 1 \\ -51/4 "+= 1 \\ -51/4 "+= 1 \\ -51/4 "+= 1 \\ -51/4 "+= 1 \\ -51/4 "+= 1 \\ -51/4 "+= 1 \\ -51/4 "+= 1 \\ -51/4 "$	EX. INTERMEDIATE DIAPHRAGMS (TO REMAIN) (TYP.) EX. CROSSFRAME SPA. TOP FLANGE STRES TOP FLANGE STRES EXIST. BRG. STIFFENER P 6/2x1/2 (E.F.) TYP.) 1256 1'-03/6"±	DIMENSIONS FOR 3" HOLE - FORWARD ABUTMENT         GIRDER       A       B       C       D         G1       T/4"       1'-1"       1'-0"       II"         G2       T/4"       1'-1"       1'-0"       II"         G3       T/4"       1'-1"       1'-0"       II"         G4       T/4"       1'-1"       1'-0"       II"         G4       T/4"       1'-1"       1'-2!/2"       8!/2"         G5       5!/2"       1'-2!/2"       1'-3"       8"         G6       5!/2"       1'-2!/2"       1'-3"       8"         G6       5!/2"       1'-2!/2"       1'-3"       8"         G7       5!/2"       1'-2!/2"       1'-3"       8"         S ZONES       MOTES:       1       FOR EXISTING INTERMEDIATE CROSSFRAME TYPE, SPLICE DESIGN AND INTERMEDIATE CROSSFRAME TYPE, SPLICE DESIGN AND INTERMEDIATE CROSSFRAME TYPE, SPLICE DESIGN AND INTERMEDIATE TO AREAS OF THE FASCIA STRINGER         S ZONES       MOTES:       1       1'-3"       8"         3.       WELD ATTACHMENT OF SUPPORTS FOR CONCRETE DECK FINISHING MACHINE TO AREAS DESIGNATED "COMPRESSION." DO NOT WELD ATTACHMENTS TO AREAS DESIGNATED "COMPRESSION." DO NOT WELD ATTACHMENTS TO AREAS DESIGNATED "COMPRESSION." DO NOT WELD ATACHMENTS TO AREAS DESIGNATED "COMPRESSION FLANGES SHALL BE AT LEAST 1" FROM EDGE OF	FRAMING PLAN & GIRDER ELEVATION BRIDGE NO. CUY-090-1452 SCRANTON ROAD OVER IR 90
FOR CLARITY) T (FT) U (FT) V (FT) 18'-2" 19'-5 1/2" 44'-1 1/2 18'-5 " 19'-6" 45'-6" 18'-10 1/2" 20'-2 " 45'-2 " 19'-1" 20'-4 " 45'-9"		Z (FT) AA (FT) BB 18'-9" 19'-6" 46'-10 1/2 18'-10 1/2" 19'-3" 47'-8 1/2 19'-0 1/2" 19'-3" 48'-4 " 19'-5" 19'-9" 48'-5 1/2"	<ol> <li>PAYMENT FOR FIELD DRILLED HOLES TO BE INCLUDED WITH ITEM 511-CLASS OC2 CONCRETE WITH OC/OA BRIDGE DECK.</li> <li>FOR END CROSS-FRAME MODIFICATION DETAILS, SEE SHEET [25/38]</li> <li>FOR FIXED SUPPORT RACK DETAILS, SEE SHEET [25/38].</li> </ol>	CUY-90-14.52 PID No. 97390
19'-1 1/2" 20'-5 1/2" 46'-6 1/. 19'-4 1/2" 20'-7 1/2" 47'-5 1/. 19'-9 " 20'-11 1/2" 48'-5 1/.	2" 20'-6 " 21'-4 1/2" 45'-10 1/2" 2" 20'-5 " 21'-5 1/2" 46'-6 1/2" 2" 20'-0 1/2" 21'-4 " 47'-0"	19'-9 1/2" 19'-9" 49'-1 " 19'-7 1/2" 19'-10" 49'-7 " 19'-10" 19'-10 1/2" 50'-2"	9. PAYMENI LIMITS FOR ITEM 514 SHALL BE AS FOLLOWS: FOR SURFACE PREPRATION AND PRIME COAT, LIMITS SHALL INCLUDE THE ENTIRE BEAM LENGTH. FOR INTERMEDIATE COAT AND FINAL COAT, LIMITS SHALL EXTEND FROM FACE TO FACE OF ABUTMENT DIAPHRAGM.	24/38 71 91



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