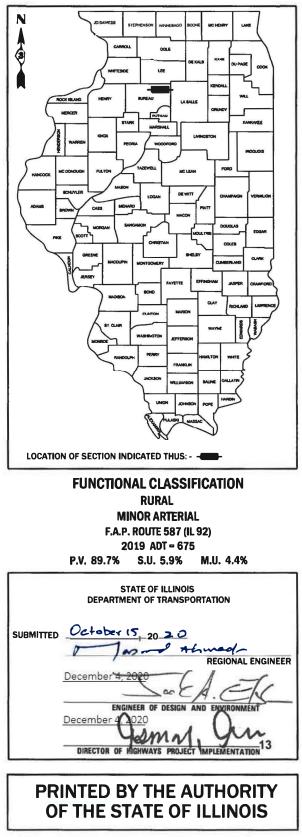


	U	LINOIS	CONTRA	CT NO. 6	6L.24
587	(140BR)8P		BUREAU	11	1
F.A.P. RTE	SECTION		COUNTY	SHEETS	SHEE NO.



D-93-076-20

# **GENERAL NOTES**

PLAN DIMENSIONS AND DETAILS RELATIVE TO EXISTING PLANS ARE SUBJECT TO NOMINAL CONSTRUCTION VARIATIONS. THE CONTRACTOR SHALL FIELD VERIFY EXISTING DIMENSIONS AND DETAILS AFFECTING NEW CONSTRUCTION AND MAKE NECESSARY APPROVED ADJUSTMENTS PRIOR TO CONSTRUCTION OR ORDERING OF MATERIALS. SUCH VARIATIONS SHALL NOT BE CAUSE FOR ADDITIONAL COMPENSATION FOR A CHANGE IN SCOPE OF WORK; HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED AT THE UNIT PRICE BID FOR THE WORK.

STRUCTURE NO. 006-0153 SHALL BE DESIGNATED AS "LOCATION 1".

THE SSPC-OP1 "PAINTING CONTRACTOR CERTIFICATIONS" WILL BE REQUIRED FOR THIS PROJECT.

CLEANING AND PAINTING OF EXISTING STRUCTURAL STEEL SHALL BE AS SPECIFIED IN THE SPECIAL PROVISION FOR "CLEANING AND PAINTING EXISTING STEEL STRUCTURES" AND AS SPECIFIED BELOW.

- a) ALL EXISTING STRUCTURAL STEEL, (INCLUDING BEAMS/GIRDERS, DIAPHRAGMS, CROSS/LATERAL FRAMING, STEEL COMPONENTS OF BEARINGS, DRAINS, ANGLE BRACKETS, STEEL HANDRAILS (WHEN PRESENT) SHALL BE CLEANED PER THE REQUIREMENTS OF "NEAR WHITE BLAST CLEANING - SSPC-SP-10".
- b) ALL EXISTING STRUCTURAL STEEL, (INCLUDING BEAMS/GIRDERS, DIAPHRAGMS, CROSS/LATERAL FRAMING, STEEL COMPONENTS OF BEARINGS, DRAINS, ANGLE BRACKETS, STEEL HANDRAILS (WHEN PRESENT) SHALL BE CLEANED PER THE REQUIREMENTS OF "PAINT SYSTEM 1-OZ/E/U".
  - 1) THE FINAL FINISH COAT FOR ALL INTERIOR STRUCTURAL STEEL SHALL BE "GRAY, MUNSELL NO. 5B 7/1".
  - 2) FINISH COAT FOR EXTERIOR FACE, BOTTOM FLANGE AND BEARING ASSEMBLIES OF THE FASCIA BEAMS SHALL BE "GREEN, MUNSELL NO. 7.5G 1/2.

THE CONTRACTOR SHALL BE REQUIRED TO SECURE WASTE CONTAINERS THAT REMAIN ON THE JOB SITE. THIS WILL ENTAIL THAT ALL WASTE CONTAINERS CAN NOT BE MOVED OR OPENED DURING NON-WORKING HOURS.

WORKING DAYS SHALL BE CHARGED UNTIL THE CONTRACTOR/SUBCONTRACTOR LISCENSED TO DISPOSE OF NON-LEAD PAINT RESIDUES HAS REMOVED THE WASTE MATERIAL FROM THE JOB SITE ACCORDING TO ALL FEDERAL, STATE AND LOCAL LAWS AND ORDINANCES. IF THE LISCENSED CONTRACTOR OR SUBCONTRACTOR FAILS TO DISPOSE OF THE NON-LEAD PAINT RESIDUES ON OR BEFORE THE SPECIFIED COMPLETION DATE, LIQUIDATED DAMAGES SHALL BE CHARGED PER CALENDAR DAY ACCORDING TO ARTICLE 108.09 OF THE STANDARD SPECIFICATIONS UNTIL SUCH TIME THAT ALL PAINT RESIDUE MATERIALS HAVE BEEN PROPERLY REMOVED AND DISPOSED OF.

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DISTRICT THREE AS BUILT INFORMATION

SUPERVISING CONSTRUCTION FIELD ENGINEER

RESIDENT ENGINEER / TECHNICIAN

START & END DATES OF CONSTRUCTION:

INSPECTORS:

	DISTRIC	T MATERIALS ENG	INEER		
	DISTRIC	T OPERATIONS EN	GINEER		
				TOTAL	CUEET
	F A P BTF	SECTION	COUNTY		SHEET NO.
OTES	F A P RTE 587	SECTION (140BR)BP	COUNTY	SHEETS 11	NO.
OTES	RTE.			SHEETS 11	NO. 2

## STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DISTRICT THREE

DISTRICT STUDIES & PLANS ENGINEER

DISTRICT CONSTRUCTION ENGINEER

PREPARED BY:

EXAMINED BY:

DATE:

				BRID	RUCTION CODE GE PAINTING ED. 20% STAT
					BRIDGE
CODE			TOTAL		0047
NO.	ITEM	UNIT	QUANTITY	S.N	I. 006-0153
57100100	MOBILIZATION	L SUM	1		1
70100405	TRAFFIC CONTROL AND PROTECTION, STANDARD 701321	ЕАСН	1		1
			-		
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1		1
70100455	TRAFFIC CONTROL AND PROTECTION, STANDARD 701206	L SUM	1		1
70106500	TEMPORARY BRIDGE TRAFFIC SIGNALS	ЕАСН	1		1
,					-
70400100	TEMPORARY CONCRETE BARRIER	FOOT	325		325
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	325		325
70600250	IMPACT ATTENUATORS, TEMPORARY (NON- REDIRECTIVE), TE	ST LEVEL 3 EACH	2		2
					-
70600350	IMPACT ATTENUATORS, RELOCATE (NON- REDIRECTIVE), TES	T LEVEL 3 EACH	2		2
78008230	POLYUREA PAVEMENT MARKING TYPE I - LINE 6"	FOOT	140		140
V0227000			70		70
X0327980	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	70		70
X2700001	TEMPORARY RUMBLE STRIPS (SPECIAL)	EACH	6		6
X5067501	BRIDGE CLEANING AND PAINTING WARRANTY NUMBER 1	L SUM	1		1
Z0007114	CONTAINMENT AND DISPOSAL OF NON-LEAD PAINT CLEANING	RESIDUES L SUM	1		1
SPECIALITY	' ITEMS				
				F.A.P RTE	SECTION

Δ	SPECIALITY	ITEM

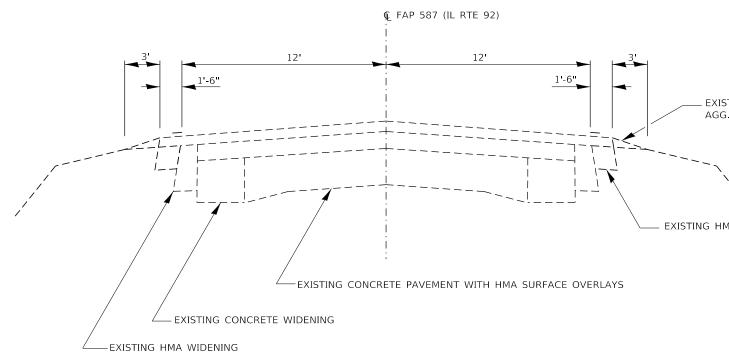
		REVISED -	DESIGNED -	USER NAME = MARINIEJ	
SUMMARY OF QUA	STATE OF ILLINOIS	REVISED -	DRAWN -		
	DEPARTMENT OF TRANSPORTATION	REVISED -	CHECKED -	PLOT SCALE = 3.9370 / mm	
SCALE: SHEET 1 OF 2 SHEETS		REVISED -	DATE -	PLOT DATE = 10/15/2020	

Δ

JANTITIES		F.A.P RTE	SECT	TION		COUNTY	TOTAL SHEETS	SHEET NO.	
		587	(140E	R)BP		BUREAU	11	3	
		_				CONTRACT	NO. 66	5L24	
5	STA.	TO STA.			ILLINOIS	FED. A	ID PROJECT		

				CONSTRUCTION CODE
				BRIDGE PAINTING
				80% FED. 20% STATE
				BRIDGE
CODE			TOTAL	0047
NO.	ITEM	UNIT	QUANT I TY	S.N. 006-0153
Z0010501	CLEANING AND PAINTING STEEL BRIDGE NO. 1	L SUM	1	1
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	42	42

-	USER NAME = MARINIEJ	DESIGNED -	REVISED -					F A P RTE	SECTION	COUNTY	TOTAL SHEET SHEETS NO.
_		DRAWN -	REVISED -	STATE OF ILLINOIS		SUMMARU OF QUANTITIES		587	(140BR)BP	BUREAU	11 4
	PLOT SCALE = 3.9370 / mm	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION						CONTRACT I	NO. 66L24
	PLOT DATE = 10/15/2020	DATE -	REVISED -		SCALE:	SHEET 2 OF 2 SHEETS STA.	TO STA.		ILLINOIS FED.	AID PROJECT	



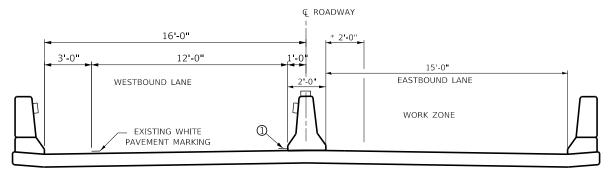
# **TYPICAL SECTION**

USER NAME = MARINIEJ	DESIGNED -	REVISED -						F.A.P BTE	SECTION	COUNTY	TOTAL SHEET SHEETS NO.
	DRAWN -	REVISED -	STATE OF ILLINOIS			TYPICAL SECTION		587	(140BR)BP	BUREAU	11 5
PLOT SCALE = 3.9370 ' / mm	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION							CONTRACT	
PLOT DATE = 10/15/2020	DATE -	REVISED -		SCALE:	SHEET 1	OF 1 SHEETS STA.	TO STA.		ILLINOIS FED.	AID PROJECT	

\_ EXISTING AGG. SHOULDERS

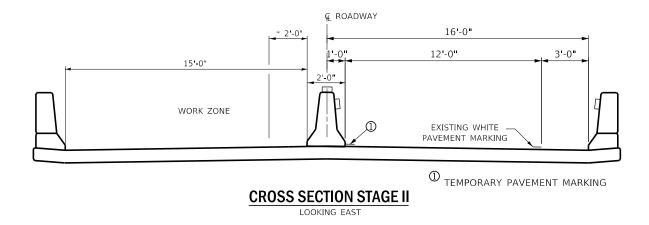
EXISTING HMA SHOULDERS 5"

\* NO EQUIPMENT OR MATERIALS SHALL ENCROACH WITHIN A 2'-0" DISTANCE MEASURED FROM THE BASE OF THE TEMPORARY CONCRETE BARRIER.

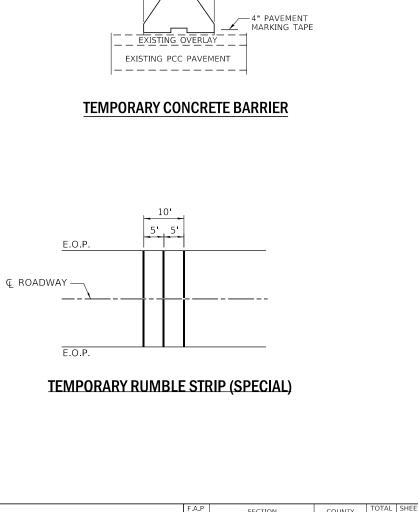


① TEMPORARY PAVEMENT MARKING

CROSS SECTION STAGE I



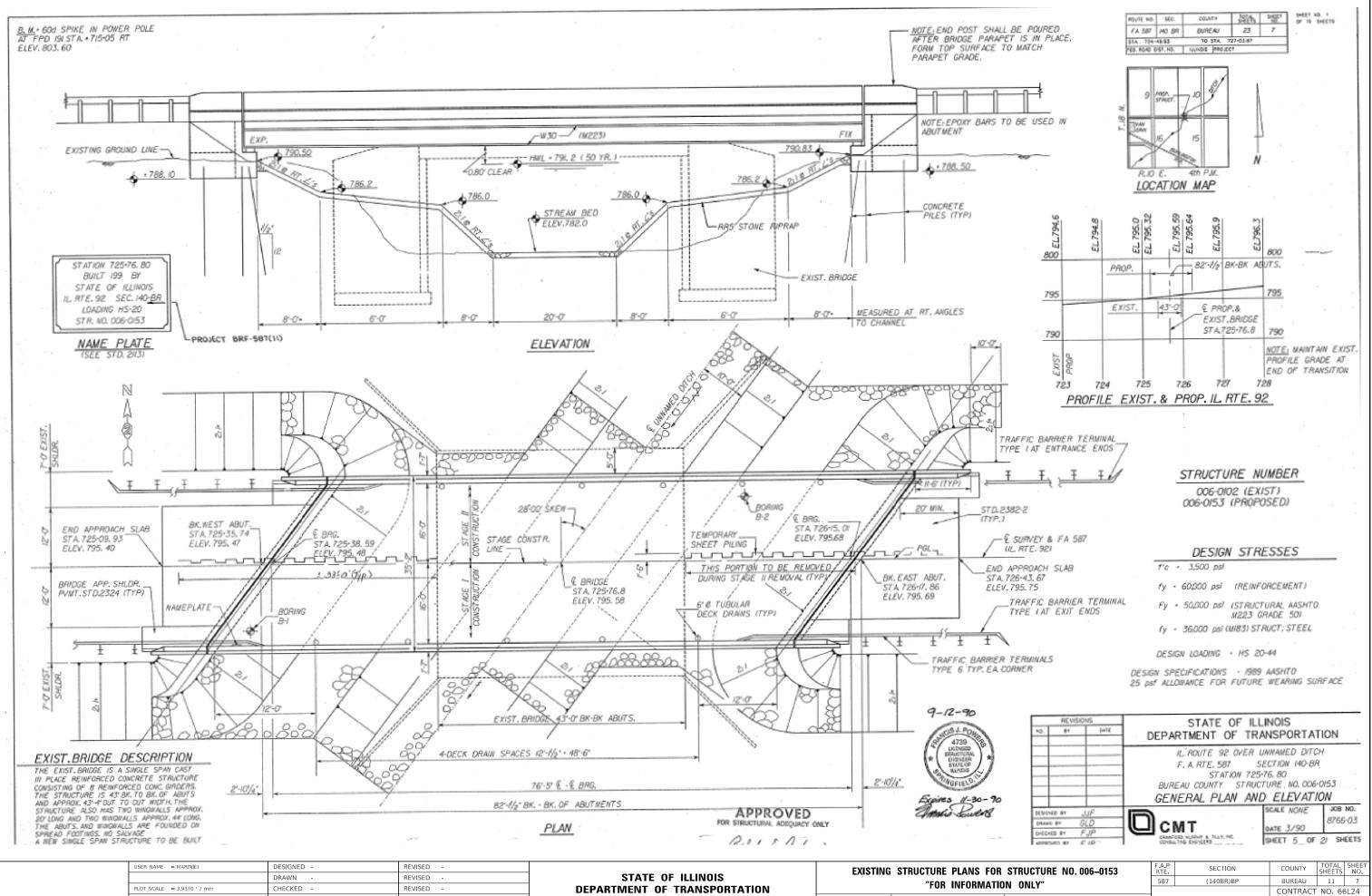
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	DRAWN -	REVISED -	STATE OF ILLINOIS	1		STAGE	ING DE	ſAIL
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PLOT DATE = 10/15/2020	DATE -	REVISED -		SCALE:	SHEET 1	OF 1	SHEETS	ST



1-10½"

\_ PRISMATIC BARRIER REFLECTOR @ 50' CENTERS

	F.A.P RTE	SEC	SECTION			TOTAL SHEETS	SHEET NO.
ETAILS		(140BR)BP			BUREAU	11	6
					CONTRACT	NO. 66	5L24
S STA. TO STA.			ILLINOIS	FED. A	ID PROJECT		



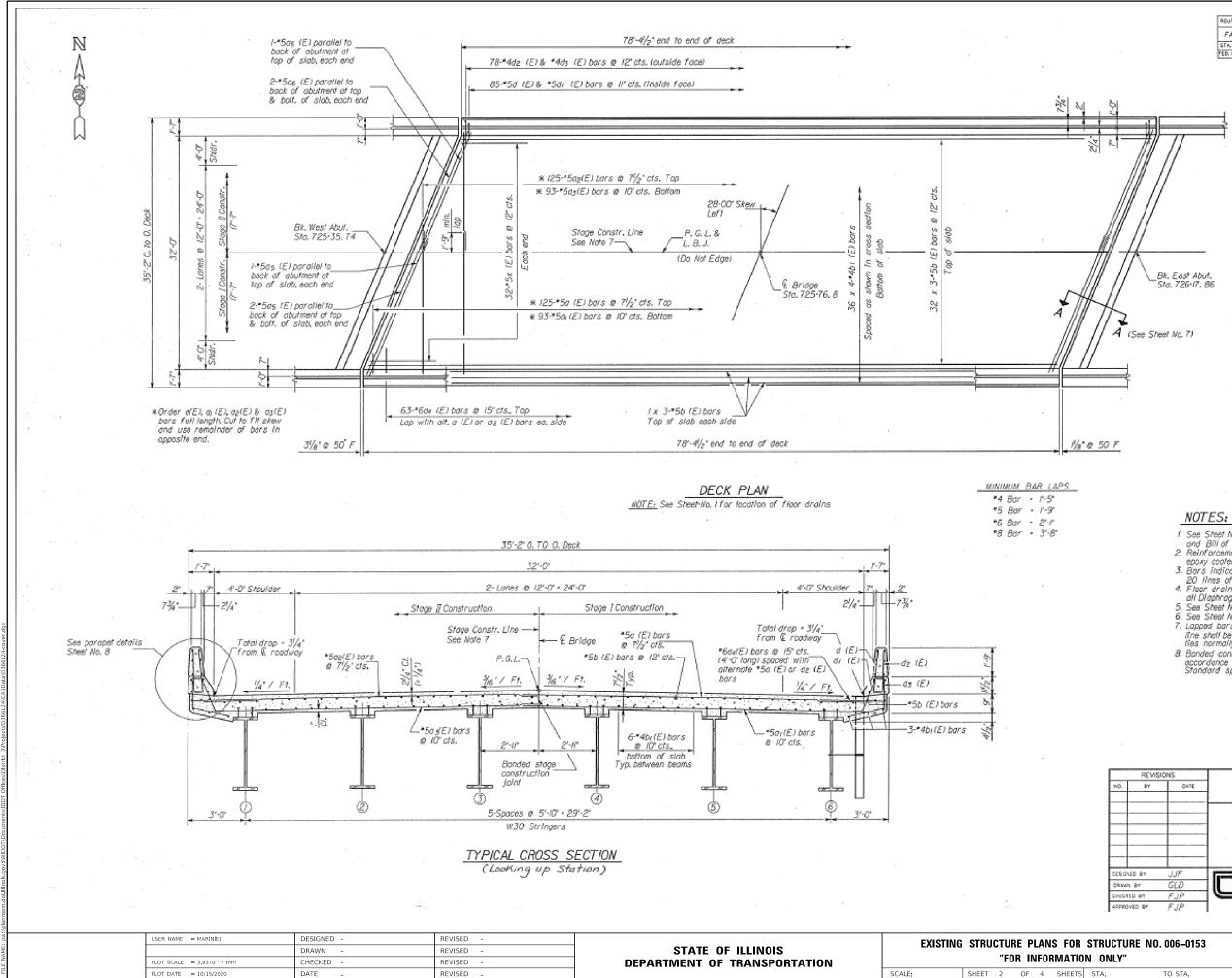
PLOT DATE = 10/15/202

DATE

REVISED

SHEET 1 OF 4 SCALE:

AIIU						CONTR
HEETS	STA.	TO STA.		ILLINOIS	FED. A	ID PROJECT
			-			



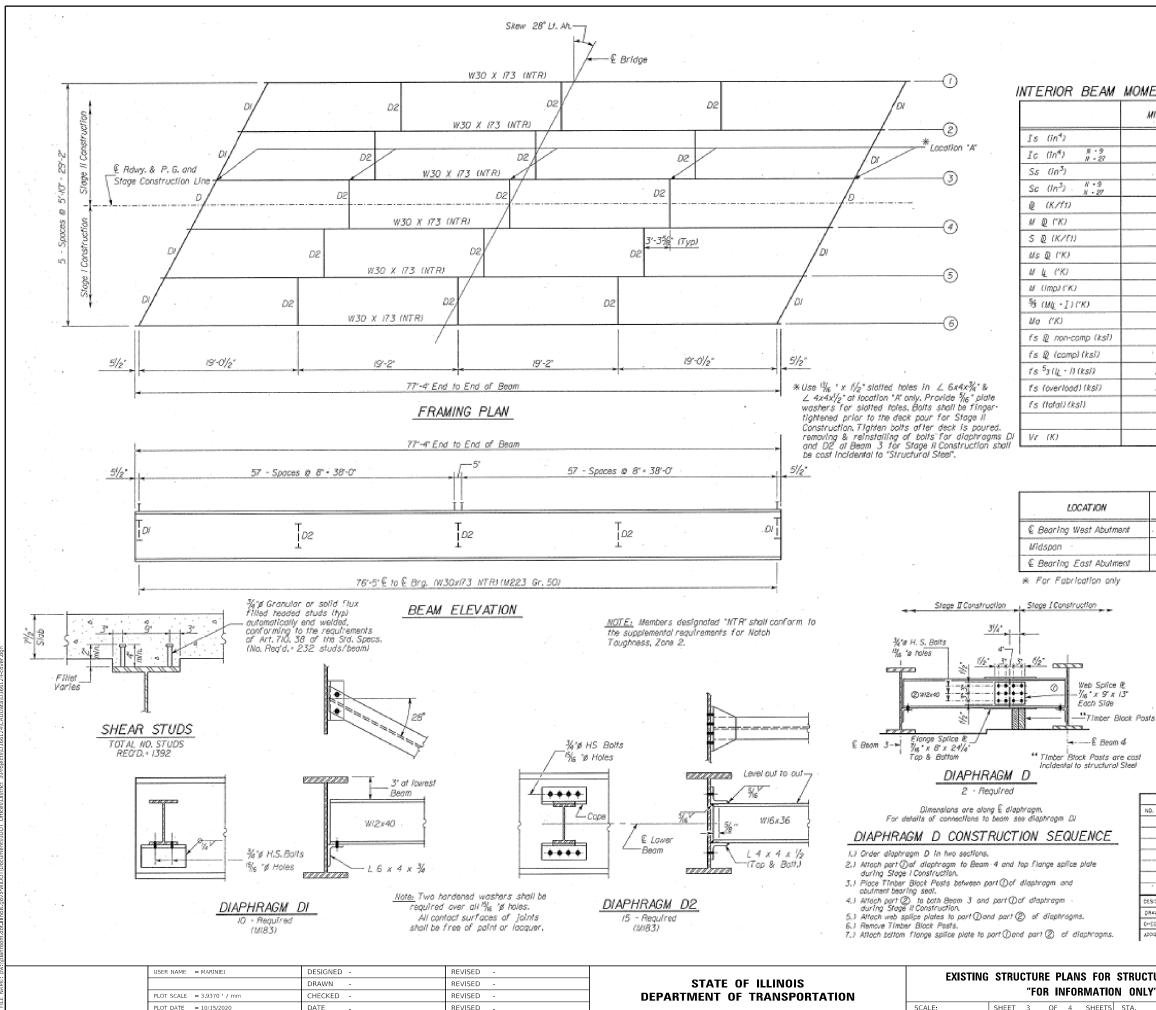
ADUTE NO.	98¢.	000	«Γγ	TOTAL SPEETS	94661 AQ
FA 587	140-8R	BUR	EAU	23	12
STA 724+	49.95	10	\$7.A. 7	27-03.67	× .
FED, ROAD O	61. ND.	LLNOIS	PROJE	QF	

SHEET NO. 6. OF 15 SHEETS

- 1. See Sheet No. 8 for superstructure details and Bill of Materials. 2, Reinforcement bars designated (E) shall be
- epany coaled. 3. Bars indicated thus 20x3-\*5 etc. indicates 20 lines of bars with 3 lengths per line.
- 4. Floor drains shall be located clear of
- all Diaphragms. 5. See Sheet No. 8 for parapet reinforcement.
- 6. See Sheet No. 8 for parapet elevations. Lapped bars at the banded stage construction line shall be fied with double the number of lies normally used.
- Banded construction joints shall be in accordance with Art. 504. (3(a)2 of the Standard specs.

REVI	SIONS	STATE OF	ILLINOIS	
NO. BY	3TAD	DEPARTMENT OF		ION
		IL. ROUTE 92 OVEN F. A. RTE. 587 STATION D BUREAU COUNTY STA SUPERST	SECTION 140-BF 725-76.80 RUCTURE NO.006-0	}
CESIGNED BY	JJF		SCALE NONE	JOB NO.
CHECKED BY	GLD F.IP	Осмт	DATE 3/90	8766-03
APPROVED BY	FJP	CRAWFORD AURINY & TULY ND. CONSULTING ENGNEMIS DECEMBER TRUE STREAM AND AND AND	SHEET () OF ,	2/ SHEET

	STRUCTURE NO. 006-0153		F.A.P RTE				COUNTY	TOTAL SHEETS	SHEET NO.
n	N ONLY"		587	(140BR)BP			BUREAU	11	8
			_				CONTRACT	NO. 6	5L24
5	STA.	TO STA.			ILLINOIS	FED. A	ID PROJECT		
-			-						



SHEET 3 OF 4 SHEET

SHEET NO. 9 07 15 SHEETS

SIGET

101A SHDETS

И	MOMENT	TABLE
w –	MOMENT	IADLE

	MIDSPAN
	8200
	18,763 13,624
	. 539
	7.32 667
	0.770
	562
	0.286
	209
	584
	146
	1217
	2584
9	12.5
	· 3.8
	20.0
	36. 3
	47.2
	51. 8

# NOTES

COUNTY

ILUNDIS PROJECT

FA 587 HO-BR BUREAU 23 15 TO STA 727-03.67

ROUTE NO. 580.

87A 726-69.93 FED. ROAD DIST. NO.

Is and Ss are the moment of inertia and section modulus of the steel section used In computing is (lotal and overload),

I c and Sc are the moment of Inertia and section modulus of the composite section used in computing fs (total and overload).

Vr is the maximum & impact shear range in span.

fs (total) is the sum of the stresses due to 1.3 [M Q · Ms Q ·<sup>5</sup>3 (M 4 · 1)]

fs (overload) is the sum of the stresses due 10 M Q · Ms.Q · 53 (M & · J)

M Q-Noment due to dead loads on non-composite section.

Ms @-Moment due to dead loads on composite section.

M &-Moment due to live load on composite section.

I -Live load Impact.

Ma (Applied Moment) + 1.3 [U Q + Ms Q + <sup>5</sup>3(M ↓ · I)]

TOP OF BEAM ELEVATIONS \*

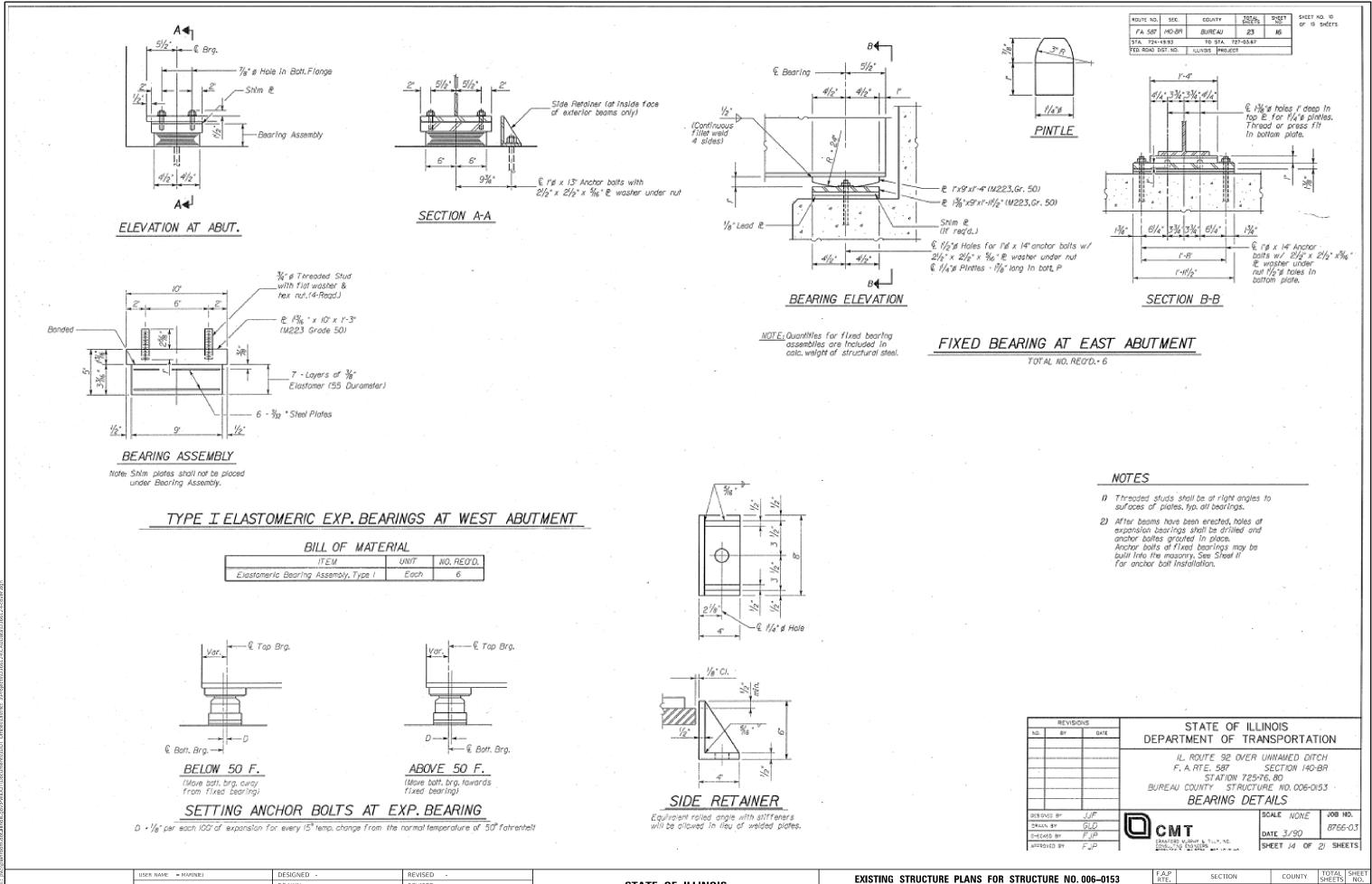
	Elevation Beam •1	Elevation Beam •2	Elevation Beam •3	Elevation Beam •4	Elevation Beam •5	Elevation Beam *6
xtment	. 794.59	794. 69	794, 77	794, 76	794.66	794.55
	794.69	794.79	794.87	794.86	794.76	794.65
utment	794, 79	794.89	794.97	794.96	794.86	794.75

## INTERIOR BEAM REACTION TABLE

-	ABUTMENTS
R Q (K)	40.8
R & (K)	. 41. 4
Imp (K)	IQ. 4
R total (K)	92.6

		REVISIO	NS		STATE OF IL	LIN	IOIS		
	ND.	8*	DATIC	DEPAR	RTMENT OF TH	-		ION	
-		-		F. BURE	. ROUTE 92 OVER A. RTE. 587 STATION 72: AU COUNTY STRUK RAMING PLAN	SEC 5-76 :TUI	TION 140-BA . 80- RE NO. 006-	0/53	
F.	058/0480 08/4/40 04/2040 4/2040/04	87 87	JJF GLD FJP FJP		AT DE MURRAY & DULY, INC. INC END MURRA DE UNITABLE OF LEDOS HO	D/	ALE NONE ATÉ 3/90. HEET 13 OF	ЈОВ NO. 8766-0 2/ SHEET	3
<u>ет</u>			006-0153	F.A.P BTE.	SECTION		COUNTY		HEET

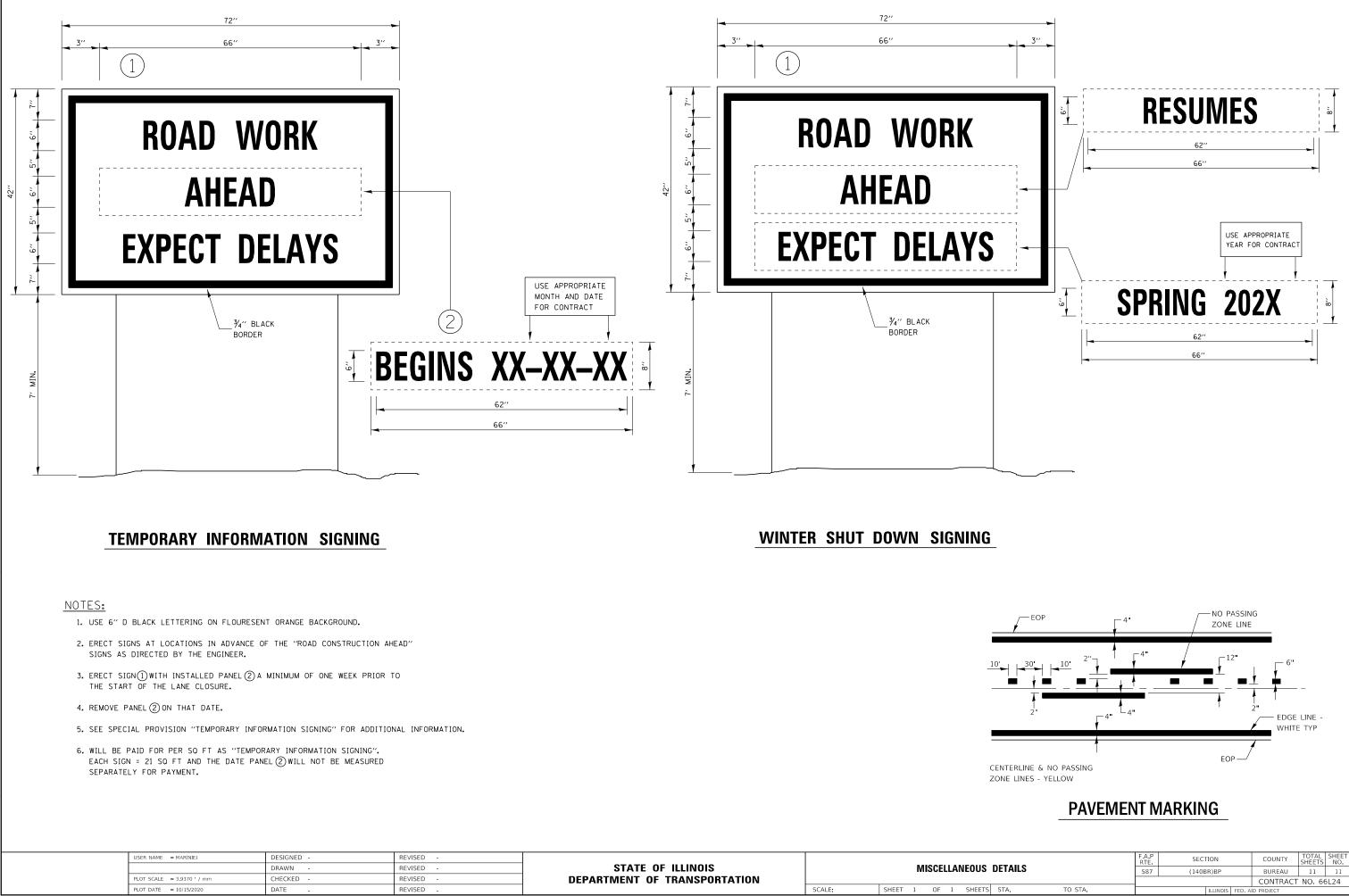
R STRUCTURE NO. 006–0153	F.A.P RTE				COUNTY	TOTAL SHEETS	SHEET NO.
FION ONLY"	587	587 (140BR)BP			BUREAU 11		9
					CONTRACT	NO. 66	5L24
TS STA. TO STA.	ILLINO			FED. A	ID PROJECT		



USER NAME = MARINIEJ	DESIGNED - DRAWN -	REVISED - REVISED -	STATE OF ILLINOIS	EXISTING	STRU				
PLOT SCALE = 3.9370 ' / mm	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION			"F0	R INI	ORIN	MATIO
PLOT DATE = 10/15/2020	DATE -	REVISED -		SCALE:	SHEET	4	OF	4 <u></u>	SHEETS

R	EVISIONS	STATE OF ILLINOIS					
NQ.	BY QA16	DEPARTMENT OF TH		ION			
		IL ROUTE 92 OVE F. A. RTE, 587 STATION 72 BUREAU COUNTY STRUC BEARING DU	SECTION 140-1 5-76.80 TURE NO.006-01	BR .			
DESTING BY	GLD	Осмт	SCALE NONE	JOB NO. 8765-03			
AND BUCKER BY		SRAFERD MURWY & TULY, NO. SCHOLLTSC EXAMPLERS	DATE 3/90 SHEET /4 OF	2/ SHEETS			

RUCTURE NO. 006–0153	F.A.P RTE					COUNTY TOTAL SHEETS	
DN ONLY"		(140E	BR)BP	BUREAU 11		10	
UNEI	_				CONTRACT	NO. 66	5L24
TA. TO STA.			ILLINOIS	FED. A	ID PROJECT		



	USER NAME = MARINIEJ	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION						
		DRAWN -	REVISED -		MISCELLANEOUS DE					
	PLOT SCALE = 3.9370 / mm	CHECKED -	REVISED -							
	PLOT DATE = 10/15/2020	DATE -	REVISED -		SCALE:	SHEET :	1 C	)F 1	SHEETS	ST