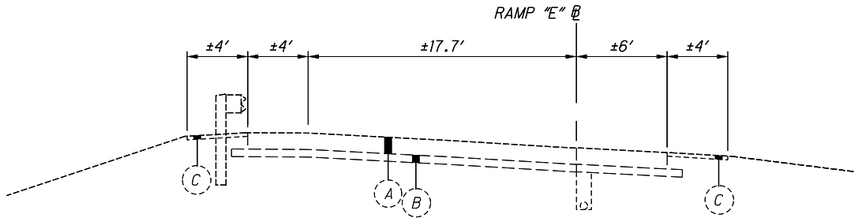
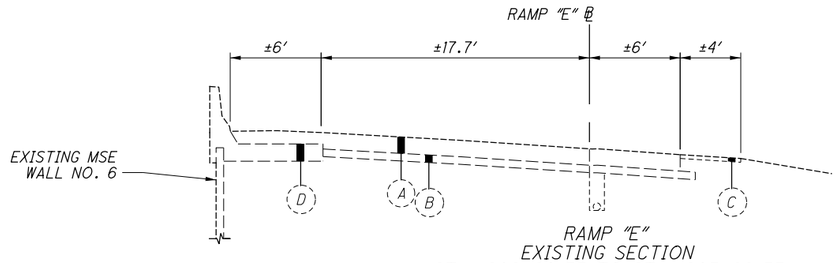


RAMP "E"
EXISTING SECTION
STA. 205+98.55 TO STA. 207+00.00



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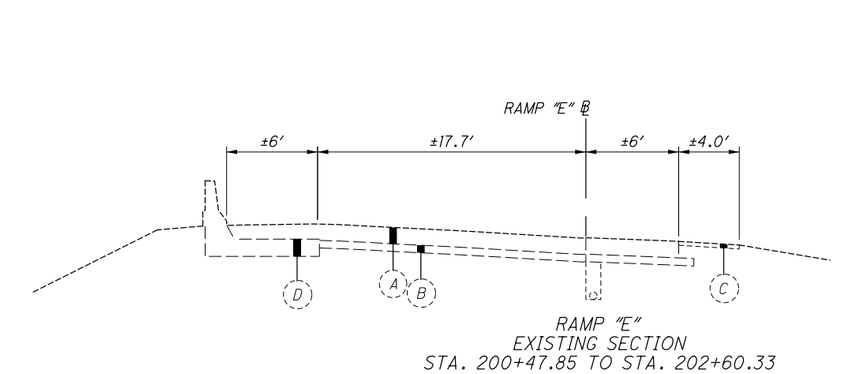

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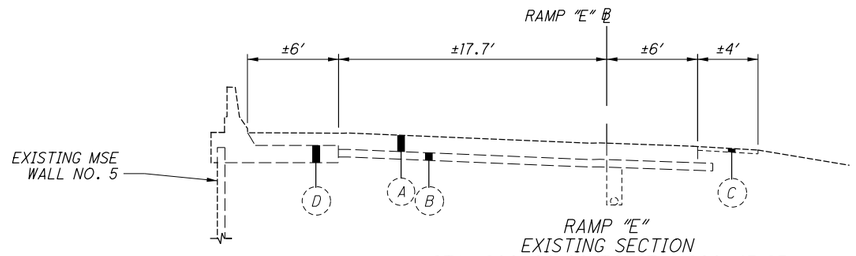

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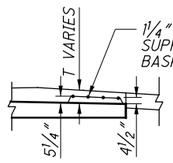
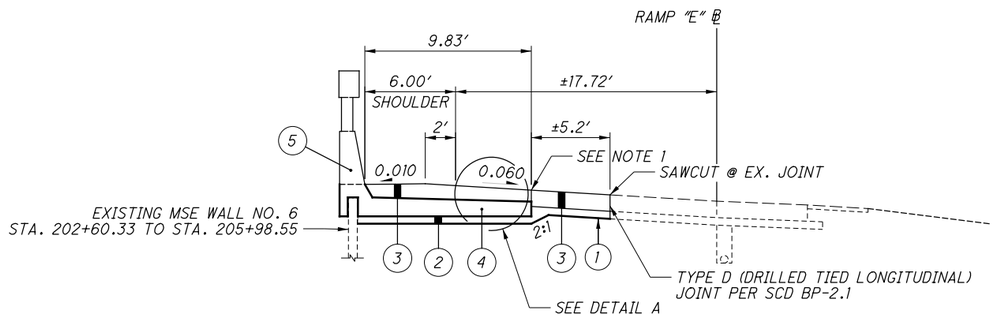
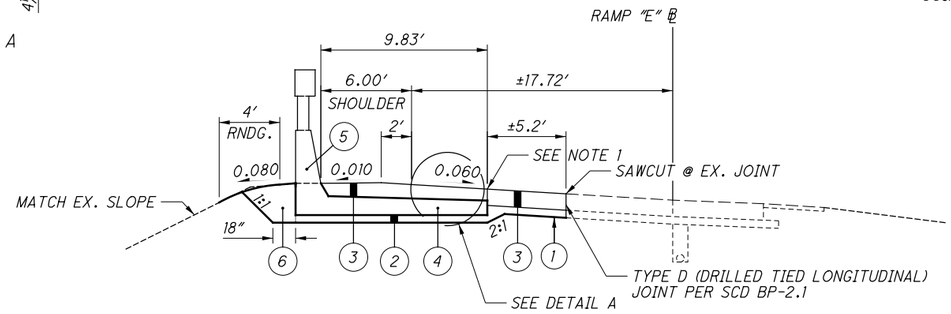


DETAIL A



RAMP "E"
STA. 202+60.33 TO STA. 206+04.70

NOTE 1: TIED LONGITUDINAL
JOINT PER SCD BP-2.1



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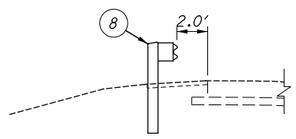

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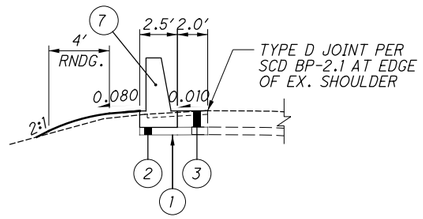


RAMP "E"
STA. 206+04.70 TO STA. 206+17.19

LEGEND

- (A) EX. 13" NON-REINFORCED CONCRETE PAVEMNET
- (B) EX. 6" AGGREGATE BASE
- (C) EX. 3" COMPACTED AGGREGATE
- (D) EX. REINFORCED CONCRETE - MOMENT SLAB
- (1) ITEM 204 - SUBGRADE COMPACTION
- (2) ITEM 304 - 6" AGGREGATE BASE
- (3) ITEM 452 - 13" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P, AS PER PLAN
- (4) ITEM 511 - CLASS QC1 CONCRETE, FOOTING, AS PER PLAN
- (5) ITEM 622 - BARRIER, MISC.: BARRIER WALL, AS PER PLAN
- (6) ITEM 204 - EXCAVATION AND EMBANKMENT
- (7) ITEM 622 - CONCRETE BARRIER END SECTION, TYPE D
- (8) ITEM 606 - GUARDRAIL, TYPE MGS

TYPICAL SECTIONS

MOT-70-16.25

ROUNDING

THE ROUNDING AT SLOPE BREAKPOINTS SHOWN ON THE TYPICAL SECTIONS APPLIES TO ALL CROSS-SECTIONS EVEN THOUGH OTHERWISE SHOWN.

UTILITIES

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

SURVEYING PARAMETERS

PRIMARY PROJECT CONTROL MONUMENTS GOVERN ALL POSITIONING ON ODOT PROJECTS. SEE THIS SHEET OF THE PLANS FOR A TABLE CONTAINING PROJECT CONTROL INFORMATION.

USE THE FOLLOWING PROJECT CONTROL, VERTICAL POSITIONING, AND HORIZONTAL POSITIONING PARAMETERS FOR ALL SURVEYING:

PROJECT CONTROL

POSITIONING METHOD:	ODOT VRS
MONUMENT TYPE:	TYPE B W/ RED "FISHBECK" CAP

VERTICAL POSITIONING

ORTHOMETRIC HEIGHT DATUM:	NAVD88
GEOID:	GEOID18

HORIZONTAL POSITIONING

REFERENCE FRAME:	NAD83(2011)
ELLIPSOID:	GRS80
MAP PROJECTION:	LAMBERT CONFORMAL CONIC
COORDINATE SYSTEM:	OHIO STATE PLANE COORDINATES, NORTH ZONE
COMBINED SCALE FACTOR:	0.9999252 (GROUND TO GRID)
ORIGIN OF COORDINATE SYSTEM:	0,0,0

USE THE POSITIONING METHODS AND MONUMENT TYPE USED IN THE ORIGINAL SURVEY TO RESTORE ALL MONUMENTS RELATED TO PRIMARY PROJECT CONTROL THAT ARE DAMAGED OR DESTROYED BY CONSTRUCTION ACTIVITIES. RESTORE THE DAMAGED OR DESTROYED MONUMENTS IN ACCORDANCE WITH CMS 623.

UNITS ARE IN U.S. SURVEY FEET.

WORK LIMITS

THE WORK LIMITS SHOWN ON THESE PLANS ARE FOR PHYSICAL CONSTRUCTION ONLY. PROVIDE THE INSTALLATION AND OPERATION OF ALL WORK ZONE TRAFFIC CONTROL AND WORK ZONE TRAFFIC CONTROL DEVICES REQUIRED BY THESE PLANS WHETHER INSIDE OR OUTSIDE THESE WORK LIMITS.

SEEDING AND MULCHING

THE FOLLOWING QUANTITIES ARE PROVIDED TO PROMOTE GROWTH AND CARE OF PERMANENT SEEDED AREAS:

659, SEEDING AND MULCHING, CLASS 2 *	2449 SQ. YD.
659, REPAIR SEEDING AND MULCHING	123 SQ. YD.
659, COMMERCIAL FERTILIZER	0.34 TON
659, LIME	0.5 ACRES
659, WATER	13 M. GAL.

* CADD AREA - GRASS AREA WITHIN CONSTRUCTION LIMITS

SEEDING AND MULCHING SHALL BE APPLIED TO ALL AREAS OF EXPOSED SOIL BETWEEN THE RIGHT-OF-WAY LINES, AND WITHIN THE CONSTRUCTION LIMITS FOR AREAS OUTSIDE THE RIGHT-OF-WAY LINES COVERED BY WORK AGREEMENT OR SLOPE EASEMENT. QUANTITY CALCULATIONS FOR SEEDING AND MULCHING ARE BASED ON THESE LIMITS.

CONNECTION BETWEEN EXISTING AND PROPOSED GUARDRAIL

WHEN IT IS NECESSARY TO SPLICE PROPOSED GUARDRAIL TO EXISTING GUARDRAIL, ONLY THE EXISTING GUARDRAIL SHALL BE CUT, DRILLED, OR PUNCHED. THE CONNECTION SHALL BE MADE USING A W-BEAM, BEAM SPLICE AS SHOWN IN AASHTO M 180-12, EXCEPT THE BEAM WASHERS ARE NOT TO BE USED. PAYMENT SHALL BE INCLUDED IN THE CONTRACT PRICE FOR THE RESPECTIVE GUARDRAIL ITEMS.

CHEVRON ALIGNMENT SIGN MOUNTING HEIGHT FOR RAMP E

THE MOUNTING HEIGHT OF ALL CHEVRON SIGNS FOR RAMP E SHALL BE AT 7.5 FEET.
ALL POST MOUNTED CHEVRON SIGNS SHALL BE INSTALLED AT 7.5 FEET ABOVE THE PAVED SHOULDER. ALL PARAPET WALL MOUNTED SIGNS SHALL BE INSTALLED USING SIGN SUPPORT ASSEMBLY, BRIDGE MOUNTED, TYPE 1 PER SCD TC-41.40 ADJUSTED SO THE BOTTOM OF THE CHEVRON SIGN IS LOCATED AT THE TOP OF THE 7.5-FOOT PARAPET WALL.

ITEM 452 - 13" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P, AS PER PLAN

CONSTRUCT 13" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P AS SHOWN IN THE PLANS. THE VARIABLE DEPTH PAVEMENT ABOVE THE MOMENT SLAB IS INCLUDED IN THE SQUARE YARD QUANTITY FOR THIS ITEM OF WORK.

PROJECT CONTROL:

POINT	NORTHING (GRID)	EASTING (GRID)	NORTHING (GROUND)	EASTING (GROUND)	ELEVATION	DESCRIPTION
CP100	683741.4698	1494606.5123	683792.6175	1494718.3172	906.861	FISHBECK CAPPED IRON PIN SET
CP101	683586.4647	1494880.3110	683637.6008	1494992.1364	898.015	FISHBECK CAPPED IRON PIN SET
CP102	683473.4583	1494563.9221	683524.5859	1494675.7238	880.940	FISHBECK CAPPED IRON PIN SET
CP200			683759.4435	1494907.4168	903.107	FISHBECK CAPPED IRON PIN SET
CP201			683489.1939	1494951.7981	892.721	FISHBECK CAPPED IRON PIN SET
CP202			683443.5209	1494798.7978	884.845	FISHBECK CAPPED IRON PIN SET
CP300			683807.0770	1494931.4771	906.091	FISHBECK CAPPED IRON PIN SET
CP301			683641.6009	1495048.5605	901.475	FISHBECK CAPPED IRON PIN SET
CP302			683383.7324	1494789.9710	887.675	FISHBECK CAPPED IRON PIN SET
CP303			683494.4510	1494631.6085	883.456	FISHBECK CAPPED IRON PIN SET
BM500					890.385	CHISELED SQUARE ON CONCRETE LANDSCAPE BORDER

CONTRACTION JOINTS IN CONCRETE PAVEMENT OR BASE WIDENING

WHERE NEW CONCRETE PAVEMENT IS PLACED ADJACENT TO AND TIED TO EXISTING CONCRETE, THE CONTRACTION JOINT SPACING REQUIRED IN STANDARD CONSTRUCTION DRAWING BP-2.2 WILL BE WAIVED. CONSTRUCT CONTRACTION JOINTS IN THE NEW FULL DEPTH CONCRETE PAVEMENT TO FORM A CONTINUOUS LINE WITH ALL CONTRACTION JOINTS IN THE EXISTING CONCRETE. IN THE VARIABLE DEPTH PAVEMENT ABOVE THE MOMENT SLAB INSTALL EXPANSION JOINTS IN THE NEW CONCRETE PAVEMENT TO MATCH THE JOINTS OF THE MOMENT SLAB. CONSTRUCT CONTRACTION JOINTS IN THE NEW CONCRETE PAVEMENT ABOVE THE MOMENT SLAB AT THE MID-POINT BETWEEN ADJACENT EXPANSION JOINTS AS SHOWN IN THE PAVEMENT DETAILS OR AS DIRECTED BY THE ENGINEER.

DESIGN SPECIFICATIONS

THIS STRUCTURE CONFORMS TO THE 8TH EDITION OF THE "LRFD BRIDGE DESIGN SPECIFICATIONS" ADOPTED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS, 2017 AND THE ODOT BRIDGE DESIGN MANUAL, 2019.

DESIGN DATA

REINFORCING STEEL - MINIMUM YIELD STRENGTH 60,000 PSI

EXISTING STRUCTURE VERIFICATION

DETAILS AND DIMENSIONS SHOWN ON THESE PLANS PERTAINING TO THE EXISTING STRUCTURE HAVE BEEN OBTAINED FROM PLANS OF THE EXISTING STRUCTURE AND 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 C&MS SECTIONS 102.05 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 202 - CONCRETE BARRIER REMOVED, AS PER PLAN

THIS WORK CONSISTS OF THE REMOVAL OF THE EXISTING TYPE D BARRIER AND MOMENT SLAB AS SHOWN IN THE PLANS.

THE CONTRACTOR MAY REMOVE CONCRETE BY CUTTING AND BY MEANS OF HAND OPERATED PNEUMATIC HAMMERS EMPLOYING POINTED OR BLUNTED CHISEL TYPE TOOLS. FOR REMOVALS OVER STRUCTURAL (MSE WALLS), THE CONTRACTOR MAY USE A HAMMER HEAVIER THAN 35 POUNDS BUT NOT TO EXCEED 90 POUNDS UNLESS APPROVED BY THE ENGINEER. REMOVAL METHODS OVER STRUCTURAL MEMBERS SHALL ENSURE ADEQUATE DEPTH CONTROL AND PREVENT NICKING OR GOUGING THE PRIMARY STRUCTURAL MEMBERS.

THE DEPARTMENT WILL MEASURE THIS ITEM IN FEET BY ALONG THE CENTERLINE OF THE TOP OF THE BARRIER. THE DEPARTMENT WILL PAY FOR THE ACCEPTED QUANTITIES OF THE REMOVAL AT THE CONTRACT PRICE FOR ITEM 202, CONCRETE BARRIER REMOVED, AS PER PLAN

ITEM 509 - EPOXY COATED REINFORCING STEEL, AS PER PLAN

IN ADDITION TO THE PROVISIONS OF ITEM 509, FIELD BEND AND/OR FIELD CUT THE REINFORCING STEEL DESIGNATED IN THE PLANS, AS NECESSARY, IN ORDER TO MAINTAIN THE REQUIRED CLEARANCES AND BAR SPACINGS. REPAIR ALL DAMAGE TO THE EPOXY COATING, AS A RESULT OF THIS WORK, ACCORDING TO C&MS 709.00.

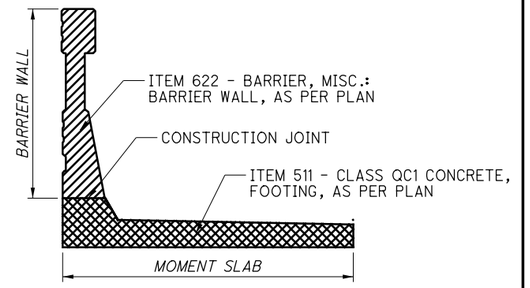
ITEM 511 - CLASS QC1 CONCRETE, FOOTING, AS PER PLAN

THIS WORK CONSISTS OF CONSTRUCTING THE PROPOSED MOMENT SLAB AND EXPANSION JOINTS AS SHOWN IN THE PLANS.

THE PROPOSED MOMENT SLAB AND EXPANSION JOINTS SHALL BE IN ACCORDANCE WITH THE 2019 C&MS AND STANDARD DRAWINGS.

THE DEPARTMENT WILL MEASURE THIS ITEM IN CUBIC YARDS OF MOMENT SLAB COMPLETED AND IN PLACE. THE REINFORCING STEEL SHALL NOT BE INCLUDED IN THE COST OF THIS ITEM.

PAYMENT FOR THIS ITEM INCLUDES ALL WORK, LABOR, EQUIPMENT, TOOLS, MATERIAL AND INCIDENTALS NECESSARY TO COMPLETE CONSTRUCTION OF THE MOMENT SLAB AND EXPANSION JOINTS.



PORTIONS OF PROPOSED STRUCTURE COVERED UNDER ITEMS 511 & 622

ITEM 622 - BARRIER, MISC.: BARRIER WALL, AS PER PLAN

THIS WORK CONSISTS OF CONSTRUCTING THE PROPOSED BARRIER WALL AS SHOWN IN THE PLANS.

CONCRETE FOR THE BARRIER WALL SHALL BE CLASS QC 2.

THE PROPOSED BARRIER WALL SHALL BE IN ACCORDANCE WITH THE 2019 C&MS AND STANDARD DRAWINGS.

THE DEPARTMENT WILL MEASURE THIS ITEM IN FEET BY LENGTH OF BARRIER WALL, INCLUDING PREFORMED EXPANSION JOINT FILLER, COMPLETED AND IN PLACE. THE REINFORCING STEEL SHALL NOT BE INCLUDED IN THE COST OF THIS ITEM.

PAYMENT FOR THIS ITEM INCLUDES ALL WORK, LABOR, EQUIPMENT, TOOLS, MATERIAL AND INCIDENTALS NECESSARY TO COMPLETE CONSTRUCTION OF THE BARRIER WALL.

TYPICAL ABBREVIATIONS

CONST. = CONSTRUCTION
DWG. = DRAWING
E.F. = EACH FACE
F.F. = FRONT FACE
EX. = EXISTING
MAX. = MAXIMUM
PEJF = PREFORMED EXPANSION JOINT FILLER
R.F. = REAR FACE
SPA. = SPACED
STD. = STANDARD
TYP. = TYPICAL

CALCULATED CAL
CHECKED NSP

GENERAL NOTES

MOT-70-16.25

SHEET NUM.												PART.		ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
			4	5	6	9	19	29	30			01/IMS/OT	02/SAF/OT						
																		ROADWAY	
						1,003						1,003		202	23000	1,003	SY	PAVEMENT REMOVED	
						47						47		202	38000	47	FT	GUARDRAIL REMOVED	
							248					248		203	10000	248	CY	EXCAVATION	
							42					42		203	20000	42	CY	EMBANKMENT	
						1,014						1,014		204	10000	1,014	SY	SUBGRADE COMPACTION	
						25						25		606	15050	25	FT	GUARDRAIL, TYPE MGS	
						1						1		606	35102	1	EACH	MGS BRIDGE TERMINAL ASSEMBLY, TYPE 2	
						1						1		622	25000	1	EACH	CONCRETE BARRIER END SECTION, TYPE D	
																		EROSION CONTROL	
						25						25		601	21060	25	SY	TIED CONCRETE BLOCK MAT, TYPE 2	
			2,449									2,449		659	00510	2,449	SY	SEEDING AND MULCHING, CLASS 2	
			123									123		659	14000	123	SY	REPAIR SEEDING AND MULCHING	
			0.34									0.34		659	20000	0.34	TON	COMMERCIAL FERTILIZER	
			0.5									0.5		659	31000	0.5	ACRE	LIME	
			13									13		659	35000	13	MGAL	WATER	
												3,985		832	30000	3,985	EACH	EROSION CONTROL	
																		PAVEMENT	
						185						185		304	20000	185	CY	AGGREGATE BASE	
						1,010						1,010		452	16011	1,010	SY	13" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P, AS PER PLAN	4
																		TRAFFIC CONTROL	
						1						1		620	00500	1	EACH	DELINEATOR, POST GROUND MOUNTED	
						1						1		620	31200	1	EACH	REMOVAL OF DELINEATOR	
						8						8		621	00100	8	EACH	RPM	
						8						8		621	54000	8	EACH	RAISED PAVEMENT MARKER REMOVED	
						14						14		626	00102	14	EACH	BARRIER REFLECTOR, TYPE 1, (BI-DIRECTIONAL)	
						1						1		626	00110	1	EACH	BARRIER REFLECTOR, TYPE 2, (BI-DIRECTIONAL)	
									368.25				368.25	630	02100	368.25	FT	GROUND MOUNTED SUPPORT, NO. 2 POST	
									27				27	630	08600	27	EACH	SIGN POST REFLECTOR	
									28				28	630	79600	28	EACH	SIGN SUPPORT ASSEMBLY, BRIDGE MOUNTED, TYPE 1	
									412.5				412.5	630	80100	412.5	SF	SIGN, FLAT SHEET	
									1				1	630	85100	1	EACH	REMOVAL OF GROUND MOUNTED SIGN AND REERECTION	
						0.12						0.12		646	10010	0.12	MILE	EDGE LINE, 6"	
																		MISCELLANEOUS STRUCTURE	
						622						622		202	30701	622	FT	CONCRETE BARRIER REMOVED, AS PER PLAN	4
								75,862				75,862		509	10000	75,862	LB	EPOXY COATED REINFORCING STEEL	4
								37,496				37,496		509	10001	37,496	LB	EPOXY COATED REINFORCING STEEL, AS PER PLAN	4
						300						300		511	46511	300	CY	CLASS QC1 CONCRETE, FOOTING, AS PER PLAN	4
						1,323						1,323		512	10100	1,323	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)	
						629						629		622	90000	629	FT	BARRIER, MISC.:, BARRIER WALL, AS PER PLAN	4
																		MAINTENANCE OF TRAFFIC	
					40							40		614	11110	40	HOUR	LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE	6
												LS		614	12420	LS		DETOUR SIGNING	5
				2								2		614	12500	2	EACH	REPLACEMENT SIGN	5
				5								5		614	12600	5	EACH	REPLACEMENT DRUM	5
					3							3		614	18601	3	SNMT	PORTABLE CHANGEABLE MESSAGE SIGN, AS PER PLAN	6
																		INCIDENTALS	
												LS		614	11000	LS		MAINTAINING TRAFFIC	
												LS		623	10000	LS		CONSTRUCTION LAYOUT STAKES AND SURVEYING	
												LS		624	10000	LS		MOBILIZATION	

CALCULATED NSP
CHECKED JNR

GENERAL SUMMARY

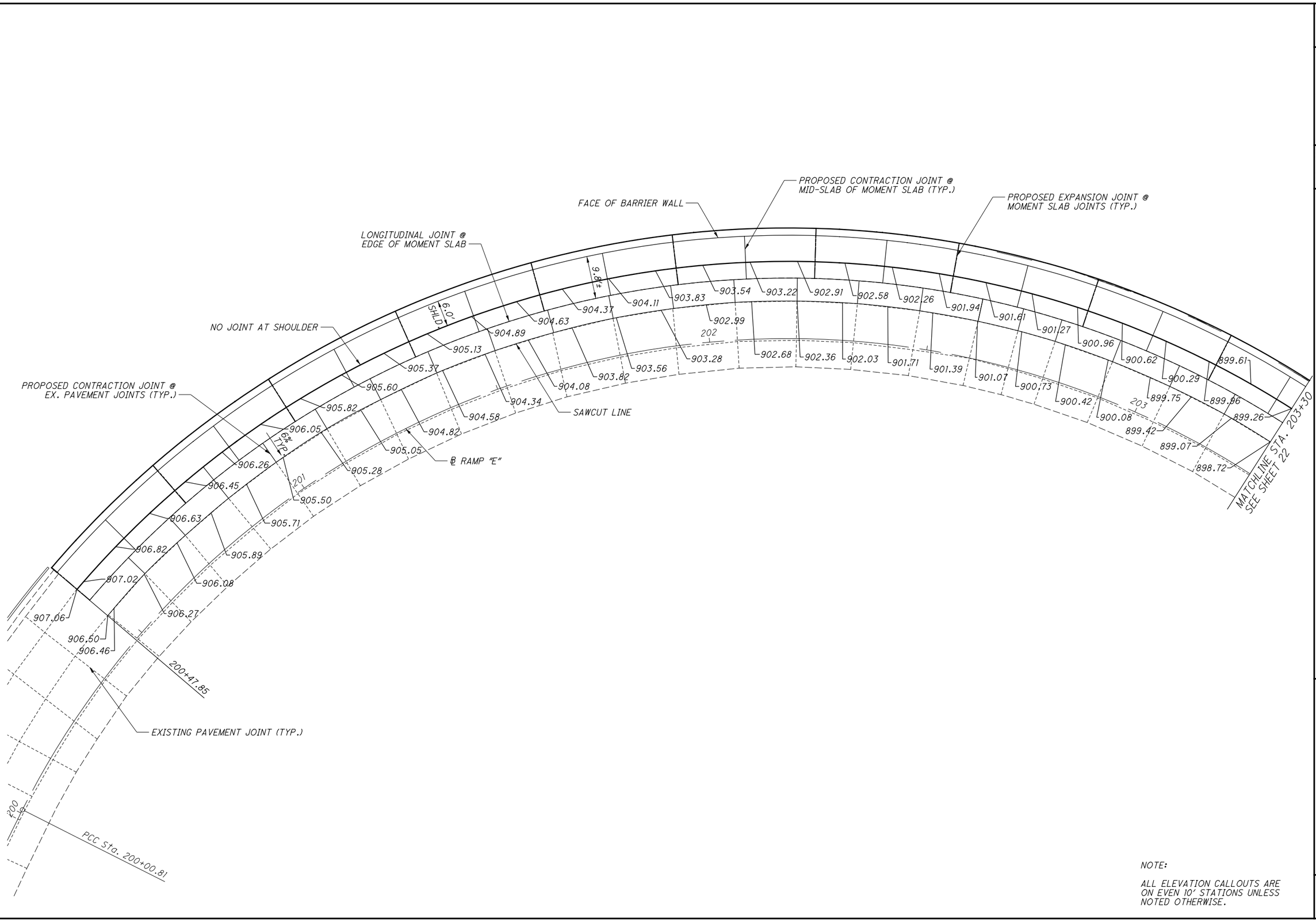
MOT-70-16.25

REF. NO.	SHEET NO.	SIDE	LOCATION STA FROM	LOCATION STA TO	LENGTH	AVERAGE WIDTH (W)	AREA	CADD AREA	202 PAVEMENT REMOVED	202 GUARDRAIL REMOVED	204 SUBGRADE COMPACTION	601 TIED CONCRETE BLOCK MAT, TYPE 2	606 GUARDRAIL, TYPE MGS	606 MGS BRIDGE TERMINAL ASSEMBLY, TYPE 2	622 CONCRETE BARRIER END SECTION, TYPE D	304 AGGREGATE BASE	452 13" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P, AS PER PLAN	620 DELINEATOR, POST GROUND MOUNTED	620 REMOVAL OF DELINEATOR	621 RPM	621 RAISED PAVEMENT MARKER REMOVED	626 BARRIER REFLECTOR, TYPE 1, (BI-DIRECTIONAL)	626 BARRIER REFLECTOR, TYPE 2, (BI-DIRECTIONAL)	646 EDGE LINE, 6"	202 CONCRETE BARRIER REMOVED, AS PER PLAN	511 CLASS QC1 CONCRETE, FOOTING, AS PER PLAN	512 SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)	622 BARRIER, MISC.:, BARRIER WALL, AS PER PLAN
			FROM	TO	FT	FT	SF	SF	SY	FT	SY	SY	FT	EACH	EACH	CY	SY	EACH	EACH	EACH	EACH	EACH	EACH	MILE	FT	CY	SY	FT
R-1	10	LT	200+47.85	205+98.55																					622.0			
R-2	10	LT	200+47.85	206+04.70				9019.3	1002																			
R-3	10	LT	205+95.89	206+37.71						46.6																		
R-4	10	LT	206+07.00																1									
BW-1	10	LT	200+47.85	206+04.70	628.25																	14				300	1323	629
GR-1	10	LT	206+17.19	206+37.71									25.00	1									1					
CB-1	10	LT	206+04.70	206+17.19											1													
EL-1	34	LT	200+47.85	206+04.70	605.30															8	8			0.12				
DL-1	10	LT	206+25.00															1										
EC-1	10	LT	206+19.64		40.00	5.50	220.0					24.4																
PAVEMENT CALCULATIONS																												
		LT	200+47.85	202+60.33				3481.1			386.8					64.5	386.8											
					227.47	0.50	113.7									2.1												
					239.64	1.67	400.2									7.4												
		LT	202+60.33	206+04.70				5575.8			619.5					103.3	619.5											
					368.27	0.50	184.1									3.4												
					388.61	0.42	161.9									3.0												
		LT	206+04.70	206+17.19	14.00	2.0	28.0										3.1											
						4.5	63.0				7.0					1.2												
									1003	*47*	*1014*	*25*	*25*	*1*	*1*	*185*	*1010*	*1*	*1*	*8*	*8*	*14*	*1*	*0.12*	*622*	*300*	*1323*	*629*
TOTALS CARRIED TO GENERAL SUMMARY									1003	47	1014	25	25	1	1	185	1010	1	1	8	8	14	1	0.12	622	300	1323	629

CALCULATED NSP CHECKED JNR

ESTIMATED QUANTITIES

MOT-70-16.25



NOTE:

ALL ELEVATION CALLOUTS ARE ON EVEN 10' STATIONS UNLESS NOTED OTHERWISE.

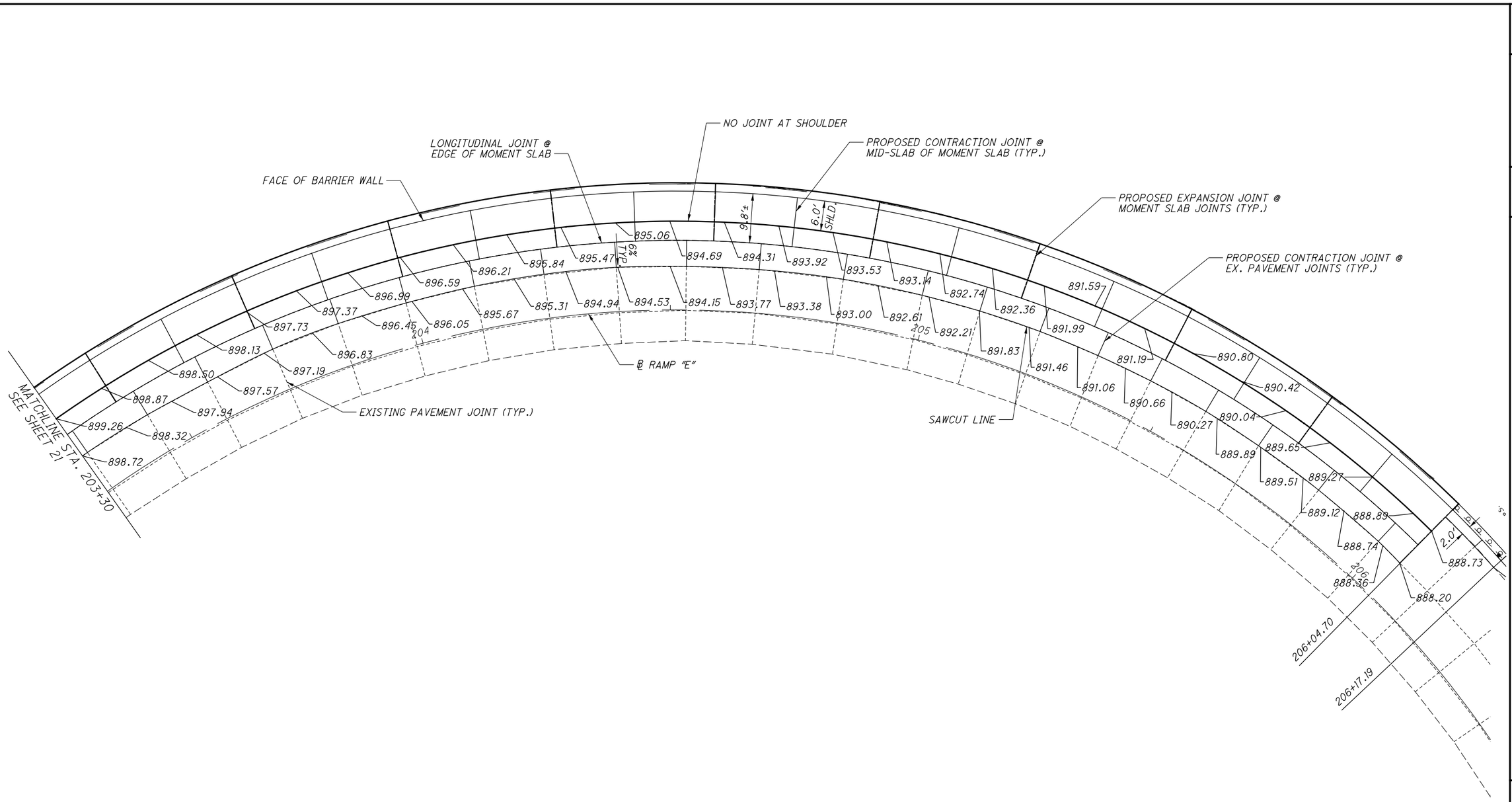
HORIZONTAL SCALE IN FEET
0 5 10 20

CALCULATED CAL
CHECKED NSP

RAMP E PAVEMENT DETAILS
BEGIN WORK TO STA. 203+30.00

MOT-70-16.25

21
34



NOTE:

ALL ELEVATION CALLOUTS ARE ON EVEN 10' STATIONS UNLESS NOTED OTHERWISE.

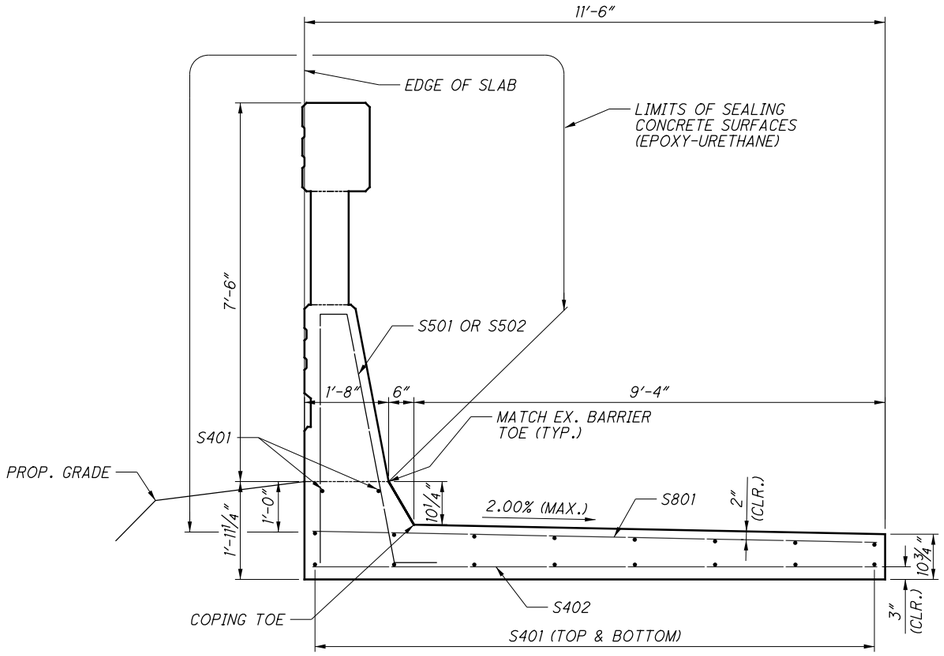
HORIZONTAL SCALE IN FEET
0 5 10 20

CALCULATED CAL
CHECKED NSP

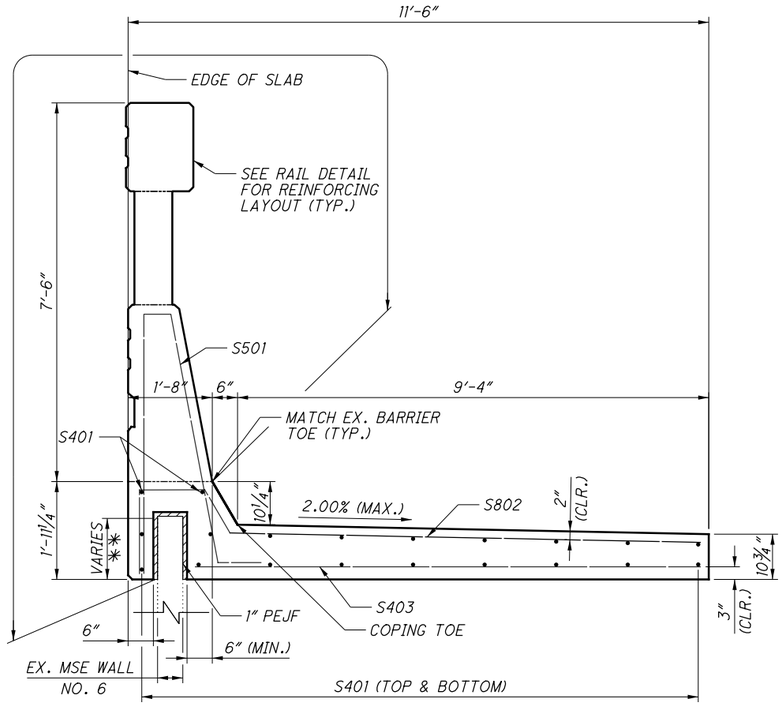
RAMP E PAVEMENT DETAILS
STA. 203+30.00 TO END WORK

MOT-70-16.25

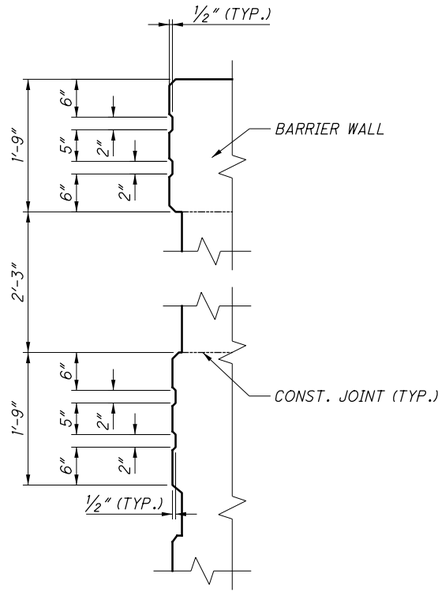
22
34



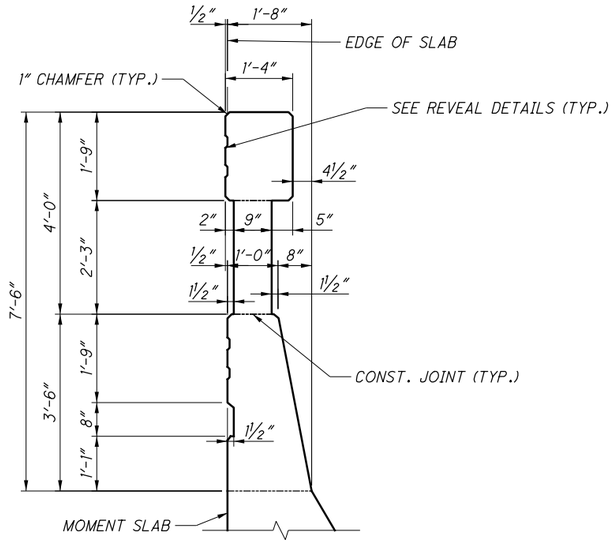
A SECTION
24&25 WORK WITH DETAILS B AND C



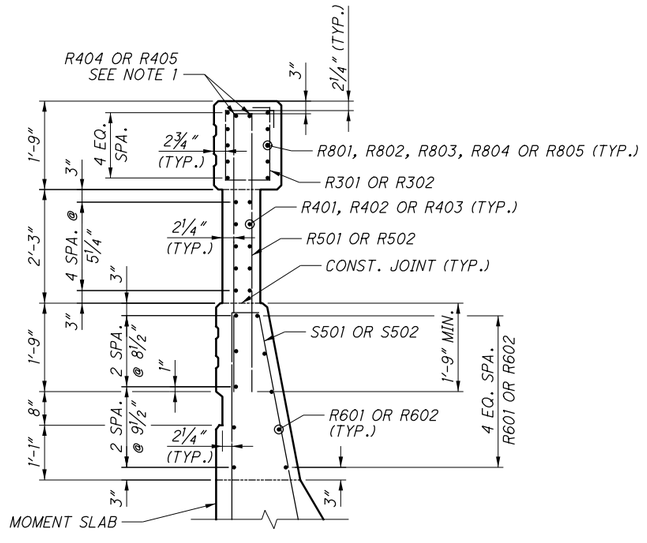
B SECTION
24&25 WORK WITH DETAILS B AND C



REVEAL DETAILS



DETAIL B
(TYPICAL BARRIER WALL FORMING DIMENSIONS)



DETAIL C
(TYPICAL BARRIER WALL REINFORCING)

NOTE:

1. REQUIRED IN TRANSITION PANELS. SEE SHEETS 26 AND 27 .

** VARIES 2"± MIN. TO 15"± MAX.

CALCULATED SPB
CHECKED TMB

BARRIER WALL & MOMENT SLAB DETAILS

MOT-70-16.25

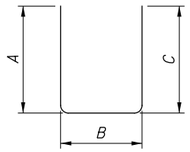
MARK	NUMBER TOTAL	LENGTH	WEIGHT	TYPE	DIMENSIONS A	B	C	D	E	R	INC
BARRIER WALL & RM-4.6 (CONCRETE BARRIER END SECTION)											
R301	1205	5'-1"	2303	33	0'-10 ½"	1'-4 ½"					
	2 SR	3'-0"			0'-8"	0'-6 ¼"				Incr A =	0'-0 ½"
R302	OF	TO	14	33	TO	TO				Incr B =	0'-2"
	5	4'-8"			0'-10"	1'-2 ¼"					
	2 SR	24'-8"									
*R401	OF	TO	182	STR							1'-3 ¾"
	5	29'-11"									
*R402	170	32'-6"	3691	STR							
	2 SR	26'-2"									
*R403	OF	TO	192	STR							1'-3 ¾"
	5	31'-5"									
*R404	2	14'-5"	19	STR							
*R405	2	16'-0"	21	STR							
	2 SR	3'-10"			1'-10 ½"		1'-10 ½"				
R501	OF	TO	340	2	TO	0'-4 ½"	TO				**0'-2"**
	22	10'-11"			5'-4 ¾"		5'-4 ¾"				
R502	1205	11'-1"	13930	2	5'-6"	0'-4 ½"	5'-6"				
*R601	2	31'-5"	94	STR							
*R602	188	32'-6"	9177	STR							
	1 SR	19'-2"									
*R801	OF	TO	281	STR							0'-11 ½"
	5	23'-0"									
*R802	5	19'-4"	258	STR							
*R803	170	32'-6"	14752	STR							
	1 SR	20'-8"									
*R804	OF	TO	301	STR							0'-11 ¾"
	5	24'-6"									
*R805	5	20'-10"	278	STR							
		*SUB-TOTAL	29246								
		SUB-TOTAL	16587								
MOMENT SLAB											
*S401	380	32'-6"	8250	STR							
S402	174	11'-2"	1298	STR							
S403	267	9'-11"	1769	STR							
S501	1251	11'-9"	15331	38	0'-10"	5'-0"	0'-6 ½"	0'-5 ½"			
	1 SR	10'-6"				4'-6"					
S502	OF	TO	34	38	0'-10"	TO	0'-6 ½"	0'-5 ½"			0'-2"
	3	11'-2"				4'-10"					
S801	493	11'-2"	14699	STR							
S802	763	12'-10"	26144	40	1'-7 ¼"	1'-4 ¾"	0'-6"	0'-10 ¼"	9'-3 ¼"		
		*SUB-TOTAL	8250								
		SUB-TOTAL	59275								
		*TOTAL	37496	(TOTAL CARRIED TO THE GENERAL SUMMARY)							
		TOTAL	75862	(TOTAL CARRIED TO THE GENERAL SUMMARY)							

NOTES:

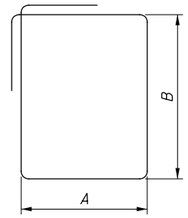
1. ALL REINFORCING STEEL SHALL BE EPOXY COATED.
2. BAR SIZE: THE BAR SIZE IS INDICATED IN THE BAR MARK COLUMN. THE MARK BEGINS WITH ONE OR TWO LETTERS THAT IDENTIFY THE BAR LOCATION. THE NEXT DIGIT WHERE THREE DIGITS ARE USED OR THE NEXT TWO DIGITS WHERE FOUR DIGITS ARE USED, INDICATES THE BAR SIZE NUMBER.

   EXAMPLE: S501
   S = SLAB
   5 = #5 BAR
   01 = BAR SEQUENCE NUMBER 1
3. "STR" IN THE BAR TYPE COLUMN INDICATES A STRAIGHT BAR.
4. "INC" INDICATES THE LENGTH INCREMENT FOR A SERIES BAR.
5. "R" INDICATES THE INSIDE RADIUS UNLESS NOTED OTHERWISE.

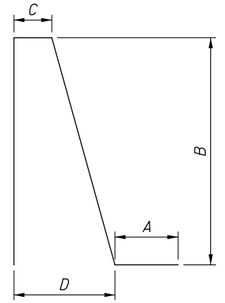
* BARS MARKED WITH AN ASTERISK (*) ARE TO BE PAID UNDER ITEM 509 - EPOXY COATED REINFORCING STEEL, AS PER PLAN ALL OTHER BARS ARE TO BE PAID UNDER ITEM 509 - EPOXY COATED REINFORCING STEEL.



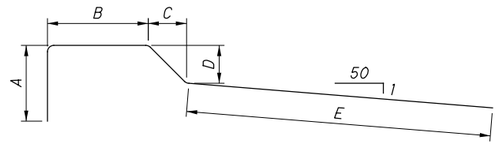
TYPE-2



TYPE-33



TYPE-38



TYPE-40

CALCULATED SPB
CHECKED JGC

REINFORCING STEEL LIST

MOT-70-16.25