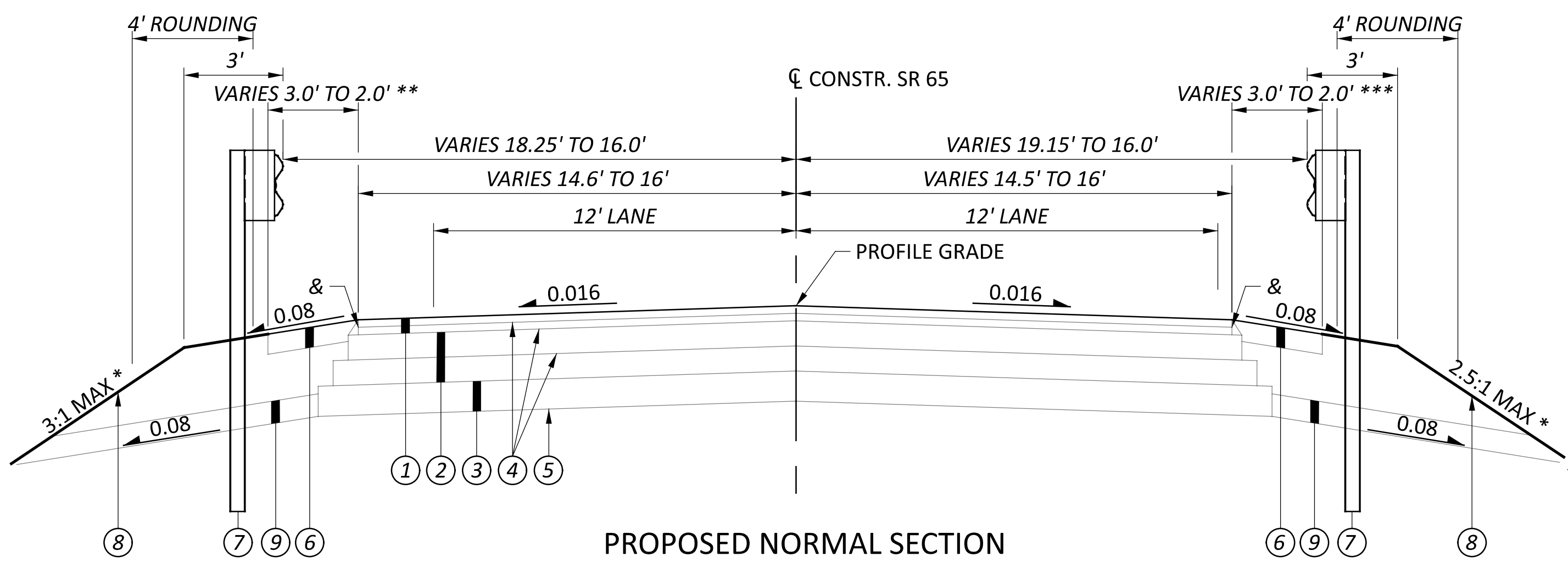
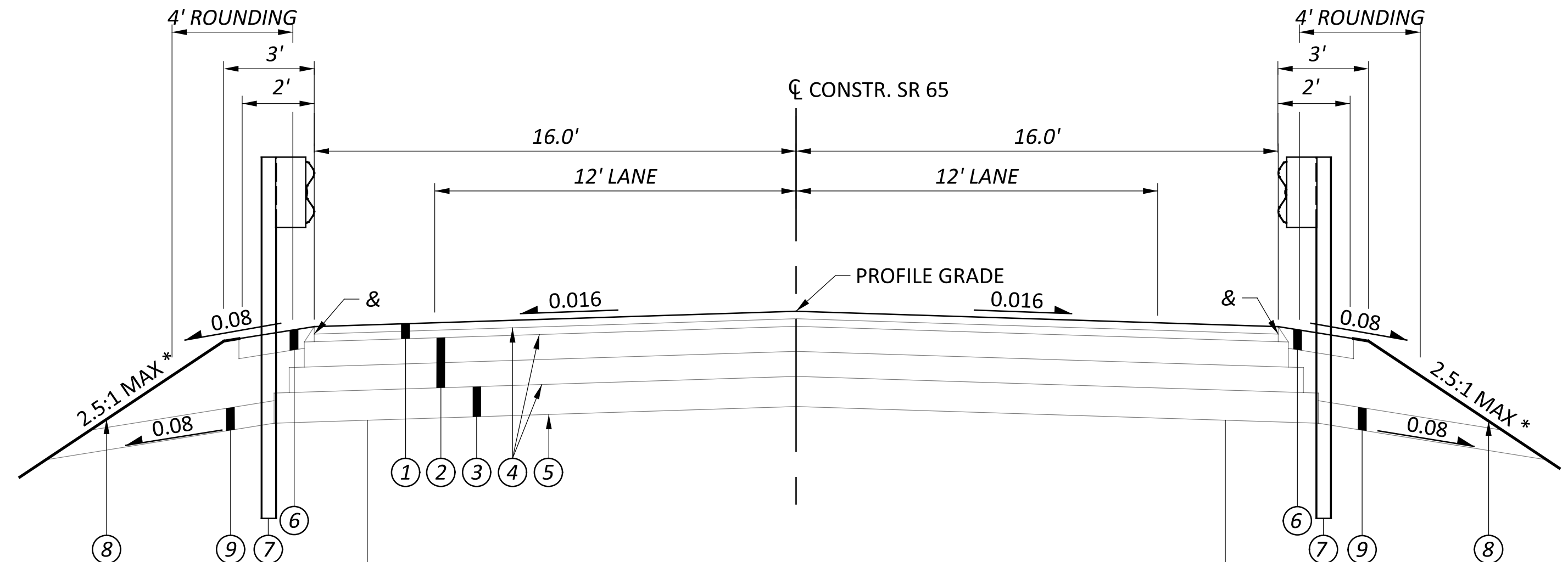
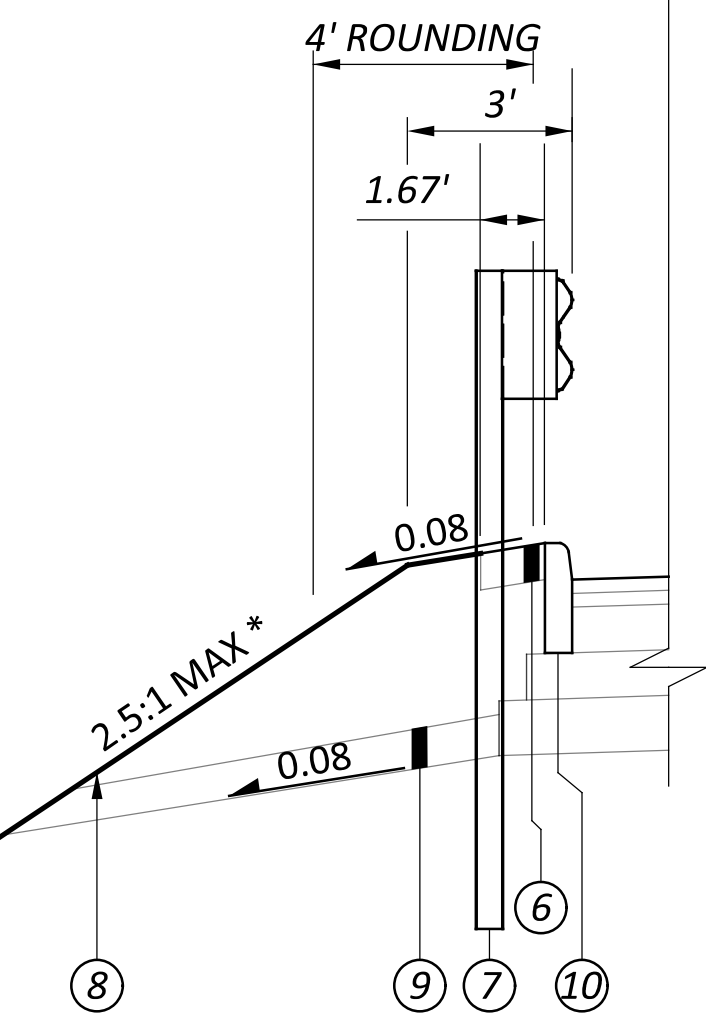




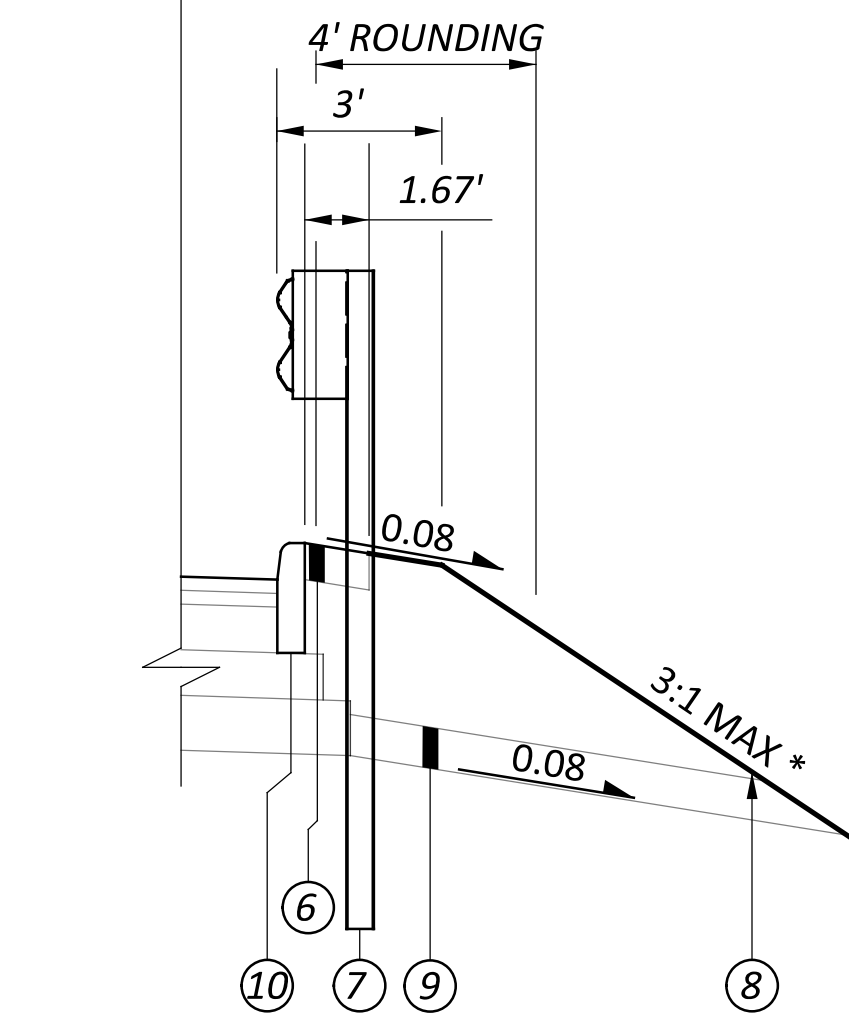
PROPOSED NORMAL SECTION
APPLIES STA. 29+75.00 TO STA. 30+12.50
APPLIES STA. 34+01.25 TO STA. 34+30.00



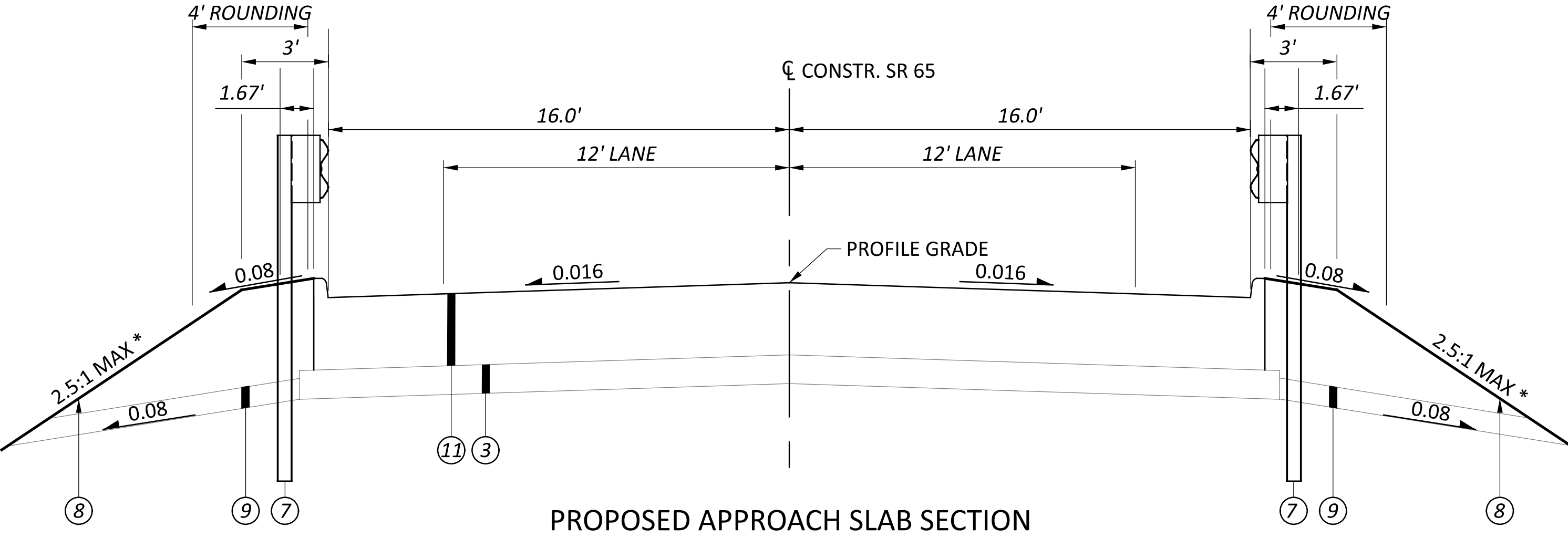
PROPOSED NORMAL SECTION
APPLIES STA. 30+12.50 TO STA. 30+51.04
APPLIES STA. 33+48.57 TO STA. 34+01.25



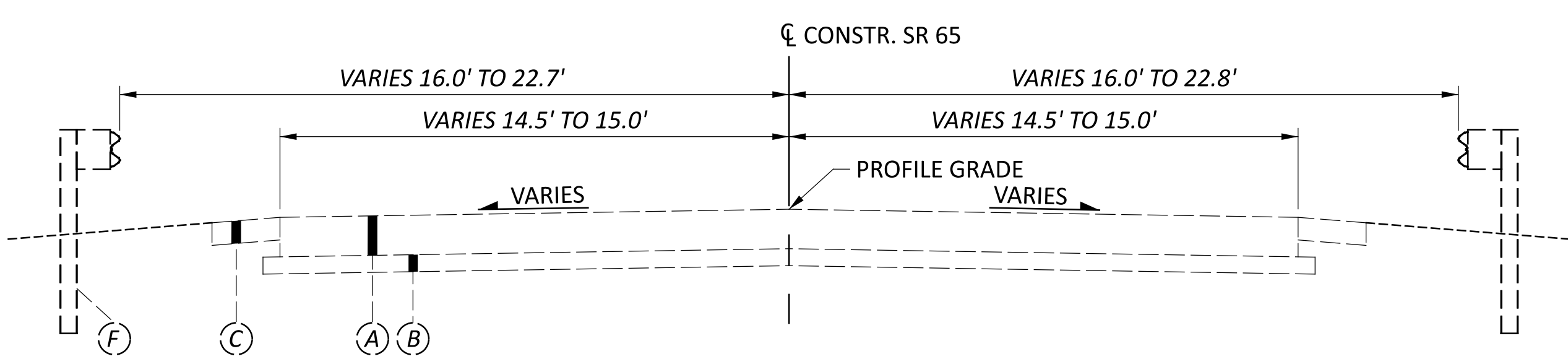
PROPOSED NORMAL CURB SECTION
APPLIES STA. 30+19.28 TO STA. 30+45.55
APPLIES STA. 33+43.08 TO STA. 33+69.36



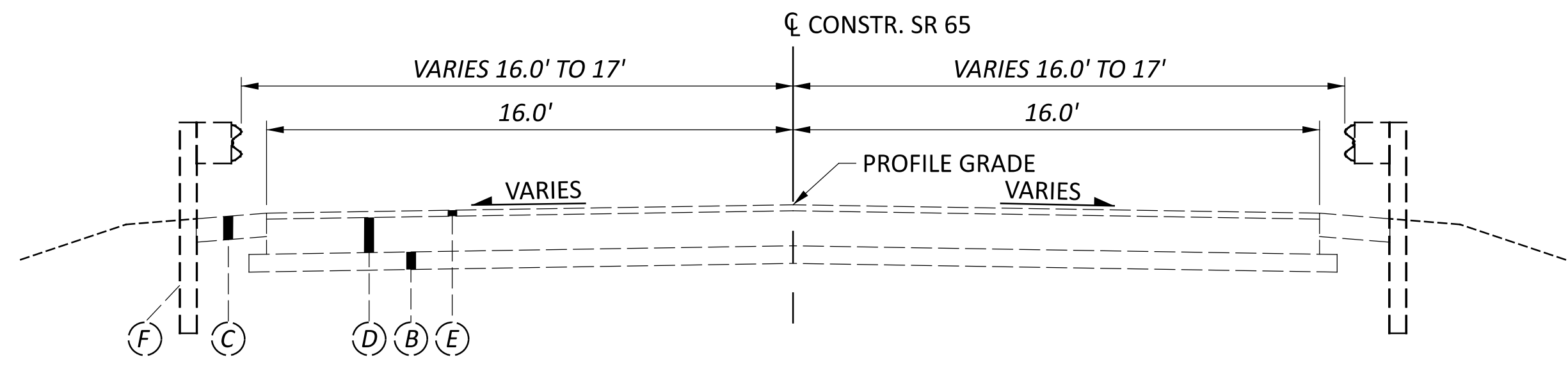
PROPOSED NORMAL CURB SECTION
APPLIES STA. 30+30.26 TO STA. 30+56.52
APPLIES STA. 33+54.05 TO STA. 33+80.33



PROPOSED APPROACH SLAB SECTION
APPLIES STA. 30+51.04 TO STA. 30+76.04
APPLIES STA. 33+23.57 TO STA. 33+48.57



EXISTING NORMAL SECTION
APPLIES STA. 29+75.00 TO STA. 30+51.04
APPLIES STA. 33+48.57 TO STA. 34+30.00



EXISTING APPROACH SLAB SECTION
APPLIES STA. 30+51.04 TO STA. 30+76.04
APPLIES STA. 33+23.57 TO STA. 33+48.57

PROPOSED LEGEND	
① ITEM 441 - 3" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG 64-22 (PLACED IN TWO EQUAL LIFTS)	& - SAFETY EDGE, SEE STANDARD CONSTRUCTION DRAWING BP-3.2
② ITEM 301 - 10" ASPHALT CONCRETE BASE, PG 64-22, (449) (PLACED IN TWO EQUAL LIFTS)	* - SEE CROSS SECTIONS
③ ITEM 304 - 6" AGGREGATE BASE	** - SHOULDER WIDTHS
④ ITEM 407 - NON-TRACKING TACK COAT	STA. 29+07.16 - WIDTH 3.0'
⑤ ITEM 204 - SUBGRADE COMPACTION	STA. 30+19.28 - WIDTH 2.0'
⑥ ITEM 304 - 8" AGGREGATE BASE	STA. 33+69.35 - WIDTH 2.0'
⑦ ITEM 606 - GUARDRAIL, TYPE MGS	STA. 34+81.48 - WIDTH 3.0'
⑧ ITEM 659 - SEEDING AND MULCHING	*** - SHOULDER WIDTHS
⑨ ITEM 605 - AGGREGATE DRAINS	STA. 29+18.13 - WIDTH 3.0'
⑩ ITEM 609 - CURB, TYPE 4-C	STA. 30+30.25 - WIDTH 2.0'
⑪ ITEM 526 - REINFORCED CONCRETE APPROACH SLABS (T=15")	STA. 33+80.33 - WIDTH 2.0'
	STA. 34+92.45 - WIDTH 3.0'
EXISTING LEGEND	
(A) ± 14" ASPHALT CONCRETE	(E) ± 2" ASPHALT CONCRETE
(B) ± 6" AGGREGATE BASE	(F) GUARDRAIL
(C) ± 6" AGGREGATE SHOULDER	
(D) ± 15" CONCRETE APP. SLAB	

EDGE COURSE DIMENSIONS

SHEET NUMBER							PART.	ITEM	ITEM	GRAND	UNIT	DESCRIPTION	SEE
	4		11		25		01/BRO	EXT	TOTAL				SHEET NO.
							LS	201	11000	LS		ROADWAY	4
			690				690	202	23000	690	SY	CLEARING AND GRUBBING	
			600				600	202	38000	600	FT	PAVEMENT REMOVED	
			159				159	203	10000	159	CY	GUARDRAIL REMOVED	
			60				60	203	20000	60	CY	EXCAVATION	
												EMBANKMENT	
			797				797	204	10000	797	SY	SUBGRADE COMPACTION	
			0.1				0.1	209	15050	0.1	MILE	RESHAPING UNDER GUARDRAIL	
			450				450	606	15051	450	FT	GUARDRAIL, TYPE MGS, AS PER PLAN	4
			4				4	606	35003	4	EACH	MGS BRIDGE TERMINAL ASSEMBLY, TYPE 1, AS PER PLAN	4
			105				105	609	24510	105	FT	CURB, TYPE 4-C	
							2	623	39500	2	EACH	MONUMENT ASSEMBLY ADJUSTED TO GRADE	
							LS	623	50000	LS		PRECONSTRUCTION SURVEY MONUMENT VERIFICATION AND REPORT	
							LS	623	51000	LS		POST CONSTRUCTION SURVEY MONUMENT VERIFICATION AND REPORT	
												EROSION CONTROL	
			198				198	601	21060	198	SY	TIED CONCRETE BLOCK MAT WITH TYPE 2 UNDERLAYMENT	
			3				3	601	32204	3	CY	ROCK CHANNEL PROTECTION, TYPE C WITH GEOTEXTILE FABRIC	
			0.4				0.4	602	20000	0.4	CY	CONCRETE MASONRY	
			530				530	659	10000	530	SY	SEEDING AND MULCHING	
			0.07				0.07	659	20000	0.07	TON	COMMERCIAL FERTILIZER	
			2.86				2.86	659	35000	2.86	MGAL	WATER	
	10,000						10,000	832	30000	10,000	EACH	EROSION CONTROL	
												DRAINAGE	
			102.3				102.3	605	31100	102.3	FT	AGGREGATE DRAINS	
			56				56	611	04400	56	FT	12" CONDUIT, TYPE B	
			160				160	611	05200	160	FT	12" CONDUIT, TYPE F, 707.05 TYPE C, 707.21, OR 707.33	
			4				4	611	98180	4	EACH	CATCH BASIN, NO. 3A	
												PAVEMENT	
			159				159	301	56000	159	CY	ASPHALT CONCRETE BASE, PG64-22, (449)	
			164				164	304	20000	164	CY	AGGREGATE BASE	
			99				99	407	20000	99	GAL	NON-TRACKING TACK COAT	
			46				46	441	70000	46	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG64-22	
												ELECTRICAL	
					1		1	625	33000	1	EACH	STRUCTURE GROUNDING SYSTEM	23
												TRAFFIC CONTROL	
			3				3	621	00100	3	EACH	RPM	
			3				3	621	54000	3	EACH	RAISED PAVEMENT MARKER REMOVED	
			72				72	630	03100	72	FT	GROUND MOUNTED SUPPORT, NO. 3 POST	
			4				4	630	08600	4	EACH	SIGN POST REFLECTOR	
			9				9	630	80100	9	SF	SIGN, FLAT SHEET	
			3				3	630	84900	3	EACH	REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL	
			6				6	630	85100	6	EACH	REMOVAL OF GROUND MOUNTED SIGN AND REERECTION	
			6				6	630	86002	6	EACH	REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL	
			0.18				0.18	642	00104	0.18	MILE	EDGE LINE, 6" , TYPE 1	
			0.09				0.09	642	00300	0.09	MILE	CENTER LINE, TYPE 1	
												STRUCTURE OVER 20 FOOT SPAN (ALL-65-13.25)	
					LS		LS	202	11203	LS		PORTIONS OF STRUCTURE REMOVED, OVER 20 FOOT SPAN, AS PER PLAN	24
					189		189	202	22900	189	SY	APPROACH SLAB REMOVED	
					LS		LS	503	21300	LS		UNCLASSIFIED EXCAVATION	
					92,049		92,049	509	10001	92,049	LB	EPOXY COATED STEEL REINFORCEMENT, AS PER PLAN	23
					7,854		7,854	509	30020	7,854	FT	NO. 4 DEFORMED GFRP REINFORCEMENT	
					100		100	510	10000	100	EACH	DOWEL HOLES WITH NONSHRINK, NONMETALLIC GROUT	
					2		2	511	33500	2	EACH	SEMI-INTEGRAL DIAPHRAGM GUIDE	
					305		305	511	34446	305	CY	CLASS QC2 CONCRETE WITH QC/QA, BRIDGE DECK	
					82		82	511	34450	82	CY	CLASS QC2 CONCRETE WITH QC/QA, BRIDGE DECK (PARAPET)	

MODEL: Sheet PAPERSIZE: 34x22 (in.) DATE: 7/28/2026 TIME: 2:51:10 PM PLTDRY: CHDOT_PDF.plt PENTBL: CHDOT_Pen.tbl USER: Michell.Siefker@dot.ohio.gov WORKSPACE: CHDOTCEw2 WORKSET: 112133 PRODUCT: OpenRoadsDesigner 24.00.00.205
pw:\hohdot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 01\Allen112133\400-Engineering\Roadway\Sheets\112133 GG002.dgn

[illegible]

DESCRIPTION	STATION		LENGTH	WIDTH	AREA	202	204	301	304		407	441	
						PAVEMENT REMOVED	SUBGRADE COMPACTION	ASPHALT CONCRETE BASE, PG64-22, (449) T=10"	6" AGGREGATE BASE	8" AGGREGATE BASE	NON-TRACKING TACK COAT	APSHLAT CONCRETE SURFACE COURSE, TYPE 1, (449), PG 64-22 T=3"	ASHPALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG64+22, SAFETY EDGE
	FROM	TO	FT	FT	SY	SY	SY	CY	CY	CY	GAL	CY	CY
FULL DEPTH TRANSITION SECTIONS	29+07.16	29+75.00	67.84	6.00	45.2					8.3			
FULL DEPTH TRANSITION SECTIONS	29+75.00	30+12.50	37.50	30.56	127.3	121.6	139.8	36.7	23.1	4.6	22.9	10.6	0.1
FULL DEPTH TRANSITION SECTIONS	30+12.50	30+51.04	38.54	32.00	137.0	125.4	149.9	39.5	24.7	3.4	24.7	11.4	0.1
REAR APPROACH SLAB	30+51.04	30+76.04	25.00	32.00	88.9	85.3	97.2		16.1				
FORWARD APPROACH SLAB	33+23.57	33+48.57	25.00	32.00	88.9	86.2	97.2		16.1				
FULL DEPTH TRANSITION SECTIONS	33+48.57	34+01.25	52.68	32.00	187.3	175.8	204.9	53.9	33.8	4.7	33.7	15.6	0.2
FULL DEPTH TRANSITION SECTIONS	34+01.25	34+30.00	28.75	30.93	98.8	95.2	108.4	28.5	17.9	3.5	17.8	8.2	0.1
	34+30.00	34+92.45	62.45	6.00	41.6					7.6			
SUBTOTALS						689.5	797.4	158.6	131.6	32.1	99.1	45.9	0.5
TOTALS CARRIED TO GENERAL SUMMARY						690	797	159	164		99	46	

DRAINAGE										
REFERENCE NO.	SHEET NO.	STATION		SIDE	601		602	611		
					TIED CONCRETE BLOCK MAT WITH TYPE 2 UNDERLAYMENT	ROCK CHANNEL PROTECTION, TYPE C WITH GEOTEXTILE FABRIC	CONCRETE MASONRY	12" CONDUIT, TYPE B	12" CONDUIT,TYPE F, 707.05 TYPE C, 707.21, OR 707.33	CATCH BASIN, NO. 3A
		FROM	TO		SY	CY	CY	FT	FT	EA
HW-1	12	30+40.00		RT.		1.33	0.2			
HW-2	12	33+70.54		RT.		1.33	0.2			
D-1	12	30+29.04	30+40.00					28.0		
D-2	12	30+40.00		RT.					80.0	
D-3	12	30+16.53		LT.	47.4					
D-4	12	30+27.50		RT.	50.4					
D-5	12	33+59.60	33+70.54					28.0		
D-6	12	33+70.54		RT.					80.0	
D-7	12	33+72.05		LT.	50.5					
D-8	12	33+83.08		RT.	49.7					
CB-1	12	30+29.04		LT.						1
CB-2	12	30+40.00		RT.						1
CB-3	12	33+59.60		LT.						1
CB-4	12	33+70.54		RT.						1
TOTALS CARRIED TO THE GENERAL SUMMARY					198	3	0.4	56	160	4

SEEDING AND MULCHING CALCULATIONS			
659	SEEDING AND MULCHING	530	SY
659	COMMERCIAL FERTILIZER (530)(9)(1/1000)(30)(1/2000)	0.07	TON
659	WATER (2)(530)(9)(1/1000)(300)(1/1000)	2.86	M GAL
TOTALS CARRIED TO GENERAL SUMMARY			

GUARDRAIL AND CURB										
REFERENCE NO.	SHEET NO.	STATION		SIDE	202	209	606		609	626
					GUARDRAIL REMOVED	RESHAPING UNDER GUARDRAIL	GUARDRAIL, TYPE MGS, AS PER PLAN	MGS BRIDGE TERMINAL ASSEMBLY, TYPE 1, AS PER PLAN	CURB, TYPE 4-C	BARRIER REFLECTOR, TYPE 2 (BIDIRECTIONAL)
		FROM	TO		FT	MILE	FT	EACH	FT	EACH
GR-1	12	29+07.16	30+56.55	LT.	150.0	0.03	112.5	1		3
GR-2	12	29+18.13	30+67.52	RT.	150.0	0.03	112.5	1		3
GR-3	12	33+32.08	34+81.48	LT.	150.0	0.03	112.5	1		3
GR-4	12	33+34.05	34+92.45	RT.	150.0	0.03	112.5	1		3
C-1	12	30+19.28	30+45.55	LT.					26.3	
C-2	12	30+30.25	30+56.52	RT.					26.3	
C-3	12	33+43.08	33+69.35	LT.					26.3	
C-4	12	33+54.05	33+80.33	RT.					26.3	
TOTALS CARRIED TO THE GENERAL SUMMARY					600	0.1	450	4	105	12

EARTHWORK QUANTITIES	203	203	659
	EXCAVATION	EMBANKMENT	SEEDING AND MULCHING
SHEET	CY	CY	SY
13	7	13	105
14	31	13	91
15	43	10	66
18	42	7	80
19	29	10	110
20	7	7	78
TOTALS CARRIED TO THE GENERAL SUMMARY			
	159	60	530

AGGREGATE DRAINS			605
SIDE	STATION	FT	AGGREGATE DRAINS
RT.	29+75.00	10.3	
LT.	30+00.00	9.3	
RT.	30+25.00	9.9	
LT.	30+45.55	8.5	
RT.	30+56.52	8.6	
LT.	33+43.08	10.1	
RT.	33+54.05	10.2	
RT.	33+75.00	10.6	
LT.	34+00.00	11.6	
RT.	34+25.00	13.2	
TOTAL CARRIED TO THE GENERAL SUMMARY			102.3

PAVEMENT MARKINGS AND SIGNS							621		630						642	
							RPM	RAISED PAVEMENT MARKER REMOVED	SIGN, FLAT SHEET	GROUND MOUNTED SUPPORT, NO. 3 POST	SIGN POST REFLECTOR	REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL	REMOVAL OF GROUND MOUNTED SIGN AND REERECTION	REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL	EDGE LINE, 6", TYPE 1	CENTER LINE, (DOUBLE SOLID), YELLOW
REFERENCE NO.	SHEET NO.	SIDE	STATION		CODE	SIZE (INCHES)	EACH	EACH	SF	FT	EACH	EACH	EACH	EACH	MILE	MILE
S-1	21	LT	30+51.00		OM-H3L-12	12 X 36						1		1		
					OM-3L-12	12 X 36			3	12	1					
S-2	21	RT	30+51.00		OM-3R-12	12 X 36				12	1		1	1		
S-3	21	LT	30+67.00		OM-H3R-12	12 X 36						1		1		
					OM-3R-12	12 X 36			3	12	1					
S-4	21	RT	30+52.00		OM-H3L-12	12 X 36						1		1		
					OM-3L-12	12 X 36			3	12	1					
S-5	21	RT	30+52.00		I-H25a	12 X 12				12			1	1		
S-6	21	LT	30+20.00		I-H25a	12 X 12				12			1	1		
	21		29+75.00	34+30.00			3	3							0.18	0.09
TOTALS CARRIED TO THE GENERAL SUMMARY							3	3	9	72	4	3	3	6	0.18	0.09

SUBSUMMARIES

DESIGN AGENCY



DESIGNER

MJS

REVIEWER

MJM 06-05-25

PROJECT ID

112133

SHEET

P.11

TOTAL

38

PROPOSED WORK:

- REMOVE EXISTING RAILING AND CONCRETE DECK
- JACK EXISTING BEAMS OFF OF PIER AND ABUTMENT SUPPORTS
- REMOVE END CROSS FRAMES REMOVE PORTIONS OF ABUTMENT BACKWALL AND BEAM SEAT, CONVERT TO SEMI-INTEGRAL DESIGN.
- REPLACE BEARINGS WITH ELASTOMERIC BEARINGS
- INSTALL NEW APPROACH SLABS
- BUILD NEW BRIDGE DECK
- UPGRADE BRIDGE RAILING TO 42" SINGLE SLOPE CONCRETE BRIDGE RAILING WITH VANDAL PROTECTION FENCE
- REPLACE APPROACH GUARDRAIL
- PATCH DETERIORATED CONCRETE AND SEAL CONCRETE SURFACES (EPOXY-URETHANE).
- REPAINT BEAMS AND CROSS FRAMES
- SEAL CONCRETE SURFACES AS DETAILED IN THESE PLANS

ITEM 202, PORTIONS OF STRUCTURE REMOVED, OVER 20 FOOT SPAN, AS PER PLAN

THIS ITEM SHALL INCLUDE THE ELEMENTS INDICATED IN THE PLANS AND GENERAL NOTES AND THAT ARE NOT SEPARATELY LISTED FOR PAYMENT, EXCEPT FOR WEARING COURSE REMOVAL. ITEMS TO BE REMOVED INCLUDE ALL EXISTING MATERIALS BEING REPLACED BY NEW CONSTRUCTION AND MISCELLANEOUS ITEMS THAT ARE NOT SHOWN TO BE INCORPORATED INTO THE FINAL CONSTRUCTION AND ARE DIRECTED TO BE REMOVED BY THE ENGINEER. THE USE OF EXPLOSIVES, HEADACHE BALLS AND/OR HOE-RAMS WILL NOT BE PERMITTED. THE METHOD OF REMOVAL AND THE WEIGHT OF HAMMER SHALL BE APPROVED BY THE ENGINEER. PERFORM ALL WORK IN A MANNER THAT WILL NOT CUT, ELONGATE OR DAMAGE THE EXISTING REINFORCING STEEL TO BE PRESERVED. CHIPPING HAMMERS SHALL NOT BE HEAVIER THAN THE NOMINAL 90-POUND CLASS. PNEUMATIC HAMMERS SHALL NOT BE PLACED IN DIRECT CONTACT WITH REINFORCING STEEL THAT IS TO BE RETAINED IN THE REBUILT STRUCTURE. SUBMIT CONSTRUCTION PLANS ACCORDING TO C&MS 501.05.

PROTECTION OF STEEL SUPPORT SYSTEMS: BEFORE DECK SLAB CUTTING BEGINS, DRAW THE OUTLINE OF PRIMARY STEEL MEMBERS IN CONTACT WITH THE BOTTOM OF THE DECK ON THE SURFACE OF DECK. DRILL SMALL DIAMETER PILOT HOLES 2 INCHES OUTSIDE THESE LINES TO CONFIRM THE LOCATION OF FLANGE EDGES. DECK CUTS OVER OR WITHIN 2 INCHES OF FLANGE EDGES SHALL NOT EXTEND LOWER THAN THE BOTTOM LAYER OF CONCRETE REINFORCEMENT IN THE DECK SLAB. CUTS MADE OUTSIDE 2 INCHES OF FLANGE EDGES MAY EXTEND THE FULL DEPTH OF THE DECK. PERFORM WORK CAREFULLY DURING CUTTING OF THE DECK SLAB TO AVOID DAMAGING STEEL MEMBERS THAT ARE TO BE INCORPORATED INTO THE PROPOSED STRUCTURE. REPLACE OR REPAIR STEEL MEMBERS DAMAGED BY THE DECK SLAB CUTTING OPERATIONS AT NO COST TO THE PROJECT. AT LEAST 7 DAYS BEFORE PERFORMING REPAIR WORK, SUBMIT A PROPOSED REPAIR PLAN, DEVELOPED BY AN OHIO REGISTERED PROFESSIONAL ENGINEER TO THE ENGINEER. OBTAIN THE ENGINEER'S APPROVAL BEFORE PERFORMING REPAIR.

REMOVAL METHODS: THE CONTRACTOR MAY REMOVE THE CONCRETE BY CUTTING AN BY MEANS OF HAND OPERATED PNEUMATIC HAMMERS EMPLOYING POINTED OR BLUNTED CHISEL TYPE TOOLS. FOR REMOVALS OVER STRUCTURAL MEMBERS 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 SHALL ENSURE ADEQUATE DEPTH CONTROL AND PREVENT NICKING OR GOUGING THE PRIMARY STRUCTURAL MEMBERS. DUE TO THE POSSIBLE PRESENCE OF ATTACHMENTS (E.G., FINISHING MACHINE, SCUPPER AND FORM SUPPORTS, ETC.) TO EXISTING STRUCTURAL MEMBERS, PERFORM WORK CAREFULLY DURING DECK REMOVAL TO AVOID DAMAGING STRUCTURAL MEMBERS THAT ARE TO REMAIN. REPLACE OR REPAIR STRUCTURAL MEMBERS DAMAGED BY THE REMOVAL OPERATIONS AT NO COST TO THE PROJECT. AT LEAST 7 DAYS BEFORE PERFORMING REPAIR WORK, SUBMIT A PROPOSED REPAIR PLAN, DEVELOPED BY AN OHIO REGISTERED PROFESSIONAL ENGINEER TO THE ENGINEER. OBTAIN THE ENGINEER'S APPROVAL BEFORE PERFORMING REPAIR.

EXISTING WELDED ATTACHMENTS: REMOVE EXISTING WELDED ATTACHMENTS (E.G., FINISHING MACHINE AND FORM SUPPORTS; AND FOR SCUPPERS AND BULB ANGLES WHICH ARE TO BE REMOVED) LOCATED IN THE DESIGNATED TENSION PORTIONS OF THE TOP FLANGES OF EXISTING STEEL MEMEBERS AND GRIND THE FLANGE SURFACES SMOOTH. CAREFULLY GRIND PARALLEL TO THE FLANGES.

PORTION TO BE REMOVED, AS PER PLAN
BACKWALLS, BEAM SEATS, ROCKERS & BOLSTERS, EXPANSION JOINTS, DECK, RAILING, SCUPPERS, BULB ANGLE, GUTTERS, & END CROSS FRAMES

REMOVE REAR ABUTMENT TO ELEV. 827.98'. REMOVE FORWARD ABUTMENT TO ELEV. 827.91'.

MEASUREMENT & PAYMENT: THE DEPARTMENT WILL MEASURE THE QUANTITY OF REMOVALS ON A LUMP SUM BASIS. THE DEPARTMENT WILL PAY FOR THE ACCEPTED QUANTITIES OF REMOVALS AT THE CONTRACT PRICE FOR ITEM 202-PORCTIONS OF STRUCTURE REMOVED, OVER 20 FOOT SPAN, AS PER PLAN.

ITEM 512 - SEALING OF CONCRETE SURFACES (EPOXY URETHANE)

SEAL ALL CONCRETE SURFACES ABOVE THE SURFACE OF THE GROUND PER ITEM 512 OF THE 2023 C&MS BOOK AS DETAILED IN THE BRIDGE DECK AND ABUTMENT DETAILS AND ALL ABOVE GROUND SURFACES OF PIERS INCLUDING THE TOPS. QUANTITIES FOR PIERS AND ABUTMENTS INCLUDE THE FOLLOWING:

REAR ABUT.	70.0 SQ. YD.
PIER 1:	82.4 SQ. YD.
PIER 2:	82.6 SQ. YD.
PIER 3:	82.4 SQ. YD.
FWD. ABUT.	70.0 SQ. YD.

PAINTING OF STRUCTURAL STEEL, AS PER PLAN

THE ESTIMATED QUANTITIES FOR THE PAINTING OF STRUCTURAL STEEL ARE BASED UPON THE STRUCTURAL STEEL BEING PAINTED AFTER THE CONCRETE DECK HAS BEEN PLACED.

THE STRUCTURAL STEEL FOR THE BRIDGE SHALL BE PAINTED BLUE (AMS-595A,15526)

ITEM 519 - PATCHING CONCRETE STRUCTURE, AS PER PLAN

A QUANTITY IS INCLUDED IN THE ESTIMATED QUANTITIES TO REPAIR ANY DETERIORATED AREAS, WHERE THE DEPTH OF PATCH IS GREATER THAN 3", AS DIRECTED BY THE ENGINEER SUCH AS THE BACKWALLS, WINGWALLS, ETC. WITH ITEM 516 - PATCHING CONCRETE STRUCTURE, AS PER PLAN.

PRIOR TO THE SURFACE CLEANING SPECIFIED IN 519.04 AND WITHIN 24 HOURS OF PLACING PATCHING MATERIAL. BLAST CLEAN ALL SURFACES TO BE PATCHED INCLUDING THE EXPOSED REINFORCING STEEL. ACCEPTABLE METHODS INCLUDE HIGH-PRESSURE WATER BLASTING WITH OR WITHOUT ABRASIVES IN THE WATER, ABRASIVE BLASTING WITH CONTAINMENT, OR VACUUM ABRASIVE BLASTING.

REAR ABUTMENT AND WINGWALL PATCHING:	5 SQ. FT.
FORWARD ABUTMENT AND WINGWALL PATCHING:	5 SQ. FT.

TOTAL:	10 SQ. FT.
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ITEM 843 - PATCHING CONCRETE STRUCTURES WITH TROWELABLE MORTAR

A QUANTITY IS INCLUDED IN THE ESTIMATED QUANTITIES TO REPAIR ANY DETERIORATED AREAS, WHERE THE DEPTH OF PATCH IS 1 1/2" TO 3", AS DIRECTED BY THE ENGINEER, SUCH AS THE BACKWALLS, WINGWALLS, ETC. WITH ITEM 843-PATCHING CONCRETE STRUCTURES WITH TROWELABLE MORTAR

AT PORTIONS OF ABUTMENT TO REMAIN:	10 SQ. FT.
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PAYMENT FOR ALL OF THE ABOVE SHALL BE AT THE UNIT PRICE BID PER SQ FT FOR ITEM 843 - PATCHING CONCRETE STRUCTURES WITH TROWELABLE MORTAR WITH SHALL INCLUDE ALL LABOR, EQUIPMENT, MATERIALS AND INCIDENTALS NECESSARY TO COMPLETE THE ABOVE WORK.

ITEM 607 - VANDAL PROTECTION FENCE, 6' STRAIGHT, COATED FABRIC, AS PER PLAN (PER VPF-1-90 7/17/15)

THIS PROJECT SHALL UTILIZE SURPLUS STOCKPILED VANDAL PROTECTION FENCE THAT ORIGINATED WITH THE HAN-75-14.39 (PID NO. 87005) PROJECT. THIS FENCE MATERIAL IS LOCATED AT THE EAST SIDE OF THE FOLLOWING PROPERTY:

OHIO DEPARTMENT OF TRANSPORTATION
NORTH BALTIMORE OUTPOST
1218 S. DIXIE HIGHWAY
NORTH BALTIMORE, OH 45872

THE CONTRACTOR IS RESPONSIBLE FOR LOADING AND TRANSPORTING THE FENCE MATERIAL. CONTACT THE ODOT CONSTRUCTION PROJECT ENGINEER TO ARRANGE FOR PICKUP.

VANDAL PROTECTION FENCE SHALL BE CONSTRUCTED IN ACCORDANCE WITH ODOT STANDARD DRAWING VPF-1-90 (REVISED 7-17-2015) WHICH IS THE DRAWING USED FOR PROVISION OF THE STOCKPILED FENCE. ANY NON-STEEL COMPONENTS OF THE VANDAL PROTECTION FENCE THAT ARE NOT AVAILABLE IN THE STOCKPILE SHALL BE SUPPLIED BY THE CONTRACTOR AND INCLUDED WITH THIS ITEM FOR PAYMENT. ANY MISSING STEEL COMPONENTS SHALL BE SUPPLIED BY THE CONTRACTOR UNDER A SEPARATE PAY ITEM.

COMPONENTS THAT ODOT HAS CONFIRMED ARE AVAILABLE FOR THE VANDAL PROTECTION FENCE ARE THE FOLLOWING: 6' FABRIC FENCE ROLLS, BP-5 BASE PLATES, FENCE LINE POSTS AND END POSTS, FENCE TOP, BOTTOM AND LINE RAILS, BOULEVARDS AND LINE RAIL CLAMPS, TENSION BAND AND BRACE BANDS, TENSION BARS, ADJUSTABLE TRUSS RODS,POST SLEEVES AND EXPANSION SLEEVES.

WITH THE EXCEPTION OF SUPPLYING ANY REPLACEMENT STEEL COMPONENTS, ALL LABOR, EQUIPMENT, MATERIALS, AND INCIDENTALS REQUIRED FOR A COMPLETE AND FINAL INSTALLATION OF THE VANDAL PROTECTION FENCE, AS DESCRIBED ABOVE, SHALL BE INCLUDED WITH

ITEM 607 - VANDAL PROTECTION FENCE, 6' STRAIGHT, COATED FABRIC, AS PER PLAN (PER VPF-1-90 7/17/15)

ITEM 513 - STRUCTURAL STEEL, MISC.: STEEL VANDAL PROTECTION FENCE COMPONENTS PER SCD VPF-1-90 (REVISED 07-17-15)

THIS ITEM IS TO BE USED AS DIRECTED BY THE ENGINEER FOR THE CONTRACTOR TO SUPPLY ANY MISSING STEEL COMPONENTS FOR THE VANDAL PROTECTION FENCE STOCKPILED AT THE NORTH BALTIMORE OUTPOST.

COMPONENTS EXPECTED TO BE PROVIDED BY THE CONTRACTOR ARE THE FOLLOWING: FASTENERS (BOLTS, NUTS AND WASHERS), ANCHORS (1/2" DIA.) WITH NUTS AND WASHERS, TENSION WIRE, FABRIC TIES AND HOG RINGS, SHIM PLATES, HEXAGON SOCKET SET SCREWS, END POST DOME CAPS, LOOP LINE POST CAPS AND LINE FOR TOP RAIL ENDS.

IN ADDITION TO THE REQUIREMENTS OF STANDARD DRAWING VPF-1-90 (REVISED 7-17-2015), ALL GALVANIZED POSTS, RAILS, BASE PLATES, AND HARDWARE FOR REPLACEMENT COMPONENTS SHALL BE COATED TO MATCH THE EXISTING STOCKPILED COMPONENTS AS FOLLOWS:

TWO SHOP-APPLIED COATS OF PAINT SHALL BE APPLIED TO THE REPLACEMENT COMPONENTS IN ACCORDANCE WITH C&MS 514, EXCEPT AS NOTED BELOW.

SIMILAR TO THE REQUIREMENTS OF THE HAN-75-14.39 (PID NO. 87005) PROJECT, SHOP APPLY A TWO-COAT PAINT SYSTEM CONSISTING OF AN EPOXY INTERMEDIATE COAT AND A URETHANE FINISH COAT MEETING THE REQUIREMENTS OF C&MS 708.02. APPLY THE EPOXY COATING WITHIN 24 HOURS OF THE BRUSH-OFF BLAST CLEANING OF THE GALVANIZED SURFACES. ALL MATERIAL NECESSARY FOR THE REPLACEMENT COMPONENTS SHALL BE FEDERAL STANDARD COLOR NUMBER 27038 (BLACK).

THE FOLLOWING CONTINGENCY QUANTITY HAS BEEN INCLUDED FOR SUPPLYING REPLACEMENT STEEL COMPONENTS FOR THE VANDAL PROTECTION FENCE:

ITEM 513 - STRUCTURAL STEEL, MISC.: STEEL VANDAL PROTECTION FENCE COMPONENTS PER SCD VPF-1-90 (REVISED 07-17-15)	200 LB
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ALL LABOR, EQUIPMENT, MATERIALS, AND INCIDENTALS NECESSARY FOR SUPPLYING THE REPLACEMENT COMPONENTS OF THE VANDAL PROTECTION FENCE, AS DESCRIBED ABOVE, SHALL BE INCLUDED WITH THIS ITEM FOR PAYMENT.

ITEM 526 - TYPE C INSTALLATION, AS PER PLAN

THE CONTRACTOR SHALL USE WATSON BOWMAN ACME JEENE 65W SEAL (OR APPROVED EQUAL) INSTEAD OF THE STANDARD SPECIFIED ARMORLESS JOINT SEAL IN THE GROOVE BETWEEN THE APPROACH SLAB AND ROADWAY. MATERIAL AND INSTALLATION OF SEAL TO BE INCLUDED WITH THE PRICE OF ITEM 526 - TYPE C INSTALLATION, AS PER PLAN

GENERAL NOTES
BRIDGE NO. ALL-65-13.250
SR 65 OVER US 30

SFN 0201413	
DESIGN AGENCY	
DESIGNER MJS	CHECKER NER
REVIEWER RTH 06-05-25	
PROJECT ID 112133	
SUBSET 3	TOTAL 17
SHEET P.24	TOTAL 38

ESTIMATED QUANTITIES										
ITEM	EXTENSION	TOTAL	UNIT	DESCRIPTION	APPR. SLAB	ABUT.	PIERS	SUPER.	RAILING	SEE STRUCTURE SHEET NO.
202	11203	LS		PORTIONS OF STRUCTURE REMOVED, OVER 20 FOOT SPAN, AS PER PLAN		LS		LS		3
202	22900	189	SY	APPROACH SLAB REMOVED	189					
503	21300	LS		UNCLASSIFIED EXCAVATION		LS				
509	10001	92049	LB	EPOXY COATED STEEL REINFORCEMENT, AS PER PLAN		6292		73156	12601	2
509	30020	7854	FT	NO. 4 DEFORMED GFRP REINFORCEMENT					7854	
510	10000	100	EACH	DOWEL HOLES WITH NONSHRINK METALLIC GROUT		100				
511	33500	2	EACH	SEMI-INTEGRAL DIAPHRAGM GUIDE		2				
511	34446	305	CY	CLASS QC2 CONCRETE WITH QC/QA, BRIDGE DECK		42		263		
511	34450	82	CY	CLASS QC2 CONCRETE WITH QC/QA, BRIDGE DECK (PARAPET)					82	
511	45710	20	CY	CLASS QC1 CONCRETE, ABUTMENT		20				
512	10100	953	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)		140	248	81	484	
512	74000	300	SY	REMOVAL OF EXISTING COATINGS FROM CONCRETE SURFACES		52	248			
513	10201	2375	LB	STRUCTURAL STEEL MEMBERS, LEVEL UP, AS PER PLAN				2375		2
513	20000	3255	EACH	WELDED STUD SHEAR CONNECTORS				3255		
513	90000	200	LB	STRUCTURAL STEEL, MISC.: STEEL VANDAL PROTECTION FENCE COMPONENTS PER SCD VPF-1-90 (REVISED 07-17-15)				200		3
514	00050	12722	SF	SURFACE PREPARATION OF EXISTING STRUCTURAL STEEL				12722		
514	00056	12722	SF	FIELD PAINTING OF EXISTING STRUCTURAL STEEL, PRIME COAT				12722		
514	00060	12722	SF	FIELD PAINTING OF STRUCTURAL STEEL, INTERMEDIATE COAT				12722		
514	00066	12722	SF	FIELD PAINTING OF STRUCTURAL STEEL, FINISH COAT				12722		
514	00504	20	MNHR	GRINDING FINs, TEARS, SLIVERS ON EXISTING STRUCTURAL STEEL				20		
514	10000	11	EACH	FINAL INSPECTION REPAIR				11		
514	27710	10	EACH	FIELD PAINTING, MISC.: COATING OF BEAM ENDS				10		2
516	13900	20	SF	1" PREFORMED EXPANSION JOINT FILLER		20				
516	25000	262	SF	NYLON REINFORCED NEOPRENE SHEETING		262				
516	44101	10	EACH	ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (NEOPRENE), AS PER PLAN (10"x12"x2.043")		10				13
516	44201	15	EACH	ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (NEOPRENE), AS PER PLAN (18"x14"x3.023")			15			14
516	47011	LS		JACKING AND TEMPORARY SUPPPORT OF SUPERSTRUCTURE, AS PER PLAN				LS		2
518	21230	LS		POROUS BACKFILL WITH GEOTEXTILE FABRIC		LS				
519	11101	10	SF	PATCHING CONCRETE STRUCTURE, AS PER PLAN		10				3
526	25011	190	SY	REINFORCED CONCRETE APPROACH SLABS WITH QC/QA (T=15"), AS PER PLAN	190					2
526	90031	68	FT	TYPE C INSTALLATION, AS PER PLAN	68					3
607	39901	370	FT	VANDAL PROTECTION FENCE, 6' STRAIGHT, COATED FABRIC, AS PER PLAN (PER VPF-1-90-7/17/15)					370	3
625	33000	1	EACH	STRUCTURE GROUNDING SYSTEM				1		2
843	50000	10	SF	PATCHING CONCRETE STRUCTURES WITH TROWELABLE MORTAR		10				

STRUCTURAL QUANTITIES
BRIDGE NO. ALL-65-13.250
SR 65 OVER US 30

SFN
0201413
DESIGN AGENCY



DESIGNER
MJS

CHECKER
NER

REVIEWER
RTH 06-05-25

PROJECT ID
112133

SUBSET
4

TOTAL
17

SHEET
P.25

TOTAL
38