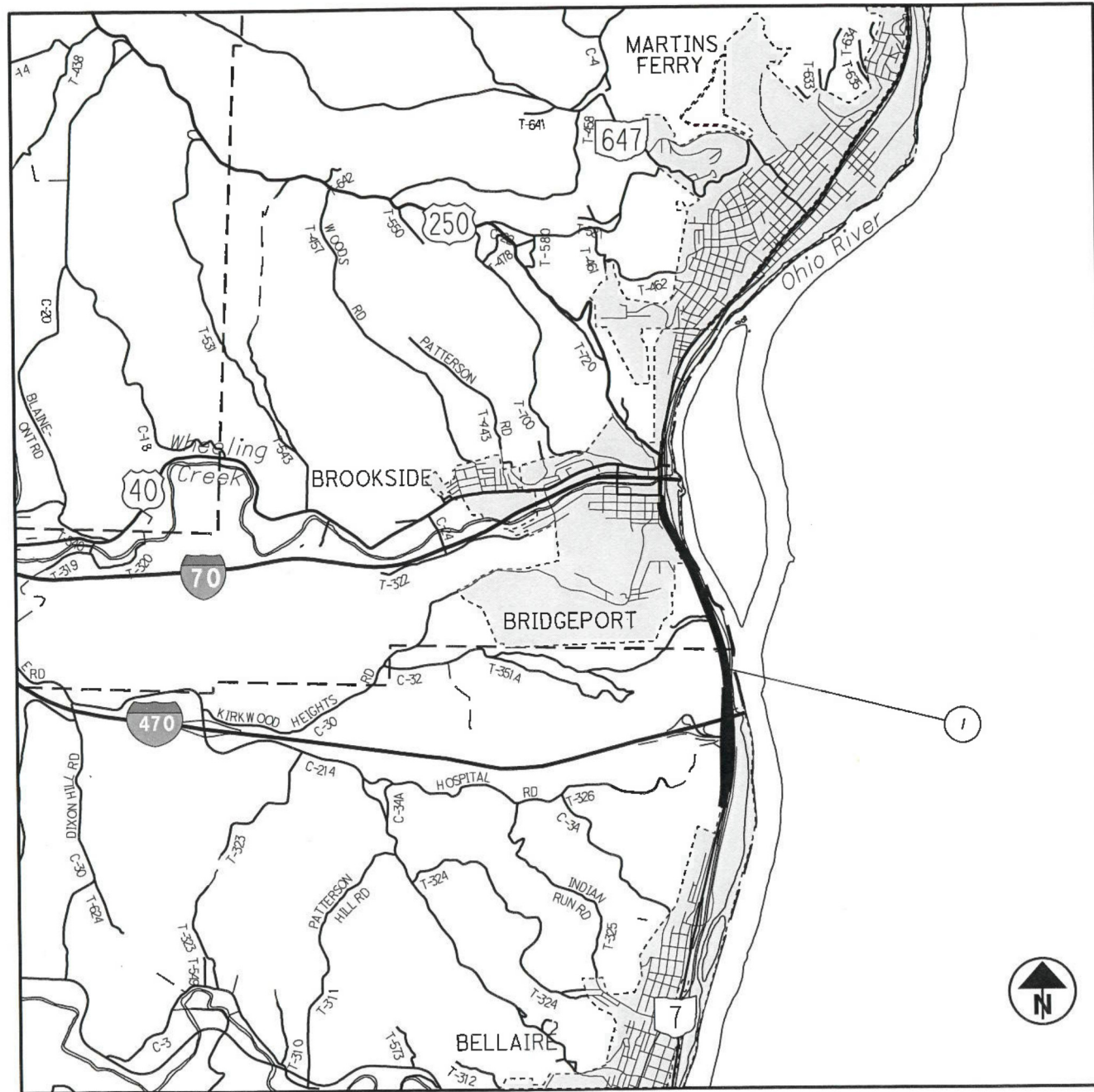


STATE OF OHIO DEPARTMENT OF TRANSPORTATION

BEL-7-17.70 442 4-LANE RESURFACING



LOCATION MAP

LATITUDE: N 40° 03' 20" LONGITUDE: W 80° 44' 00"

————— PORTIONS TO BE IMPROVED

PART	COUNTY	ROUTE	SECTION	PROJECT TERMINI		NET LENGTH MILES	VILLAGE/CITY
				BEGIN	END		
1	BEL	S.R. 7	17.70	17.70	20.08	2.38	VILLAGE OF BRIDGEPORT

PROJECT EARTH DISTURBED AREA = 1.9 Acres
 ESTIMATED CONTRACTOR EARTH DISTURBED AREA = 0.3 Acres
 NOTICE OF INTENT EARTH DISTURBED AREA = N/A (NOI NOT REQUIRED - ROUTINE MAINTENANCE PROJECT)
 ADA DESIGN WAIVER: NONE REQUIRED
 FOR DESIGN DESIGNATION SEE SHEET 2.

LIMITED ACCESS

THIS IMPROVEMENT IS ESPECIALLY DESIGNED FOR THROUGH TRAFFIC AND HAS BEEN DECLARED A LIMITED ACCESS HIGHWAY OR FREEWAY BY ACTION OF THE DIRECTOR IN ACCORDANCE WITH THE PROVISIONS OF SECTION 5511.02 OF THE OHIO REVISED CODE.

2019 SPECIFICATIONS

THE STANDARD SPECIFICATIONS OF THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION, INCLUDING SUPPLEMENTAL SPECIFICATIONS LISTED IN THE PLANS AND CHANGES LISTED IN THE PROPOSAL SHALL GOVERN THIS IMPROVEMENT.

I HEREBY APPROVE THESE PLANS AND DECLARE THAT THE MAKING OF THESE IMPROVEMENTS WILL NOT REQUIRE THE CLOSING OF THE HIGHWAYS TO TRAFFIC AND THAT PROVISIONS FOR THE MAINTENANCE AND SAFETY OF TRAFFIC WILL BE AS SET FORTH ON THE PLANS AND ESTIMATES.

APPROVED DATE 7-19-2021

Thomas A. Gray
DISTRICT DEPUTY DIRECTOR

APPROVED DATE _____

DIRECTOR, DEPARTMENT OF TRANSPORTATION

UNDERGROUND UTILITIES
Contact Two Working Days Before You Dig

OHIO811.org
Before You Dig

OHIO811, 8-1-1, or 1-800-362-2764
(Non-members must be called directly)

STANDARD CONSTRUCTION DRAWINGS										SUPPLEMENTAL SPECIFICATIONS	
BP-2.1	7/17/15	MGS-2.1	1/19/18	MT-95.30	7/19/19	MT-101.90	7/17/20	TC-73.20	1/17/20	800-2019	7/16/21
BP-2.2	1/15/21	MGS-3.1	1/19/18	MT-95.40	1/17/20	MT-103.10	1/19/18			807	7/16/21
BP-2.5	7/19/13	MGS-3.2	1/18/13	MT-95.45	1/17/20	MT-104.10	10/16/15			808	1/18/19
BP-3.1	1/17/20	MGS-4.1	1/20/17	MT-95.50	7/21/17	MT-105.10	1/17/20			821	4/20/12
BP-5.1	7/16/21	MGS-4.2	7/19/13	MT-98.10	1/17/20					832	10/19/18
BP-9.1	1/18/19	MGS-5.2	7/15/16	MT-98.11	1/17/20	TC-41.20	10/18/13			850	4/16/21
		MGS-5.3	7/15/16	MT-98.20	4/19/19	TC-42.20	10/18/13			908	10/20/17
DM-1.1	7/17/20	MGS-6.1	1/19/18	MT-98.22	1/17/20	TC-52.10	10/18/13			921	4/20/12
DM-4.3	1/15/16	MGS-6.2	7/19/19	MT-98.28	1/17/20	TC-52.20	1/15/21				
DM-4.4	1/15/16			MT-99.20	4/19/19	TC-65.10	1/17/14				
		RM-3.1	7/20/18	MT-101.70	1/17/20	TC-65.11	7/21/17				
		RM-4.2	4/17/20	MT-101.75	1/17/20	TC-71.10	1/19/18				
MGS-1.1	7/16/21			MT-101.80	1/17/20	TC-72.20	7/20/18				

ENGINEER'S SEAL:

STATE OF OHIO
REGISTERED
PROFESSIONAL ENGINEER
DAVID A. HOFFMAN
E-19007

SIGNED: *D.A. Hoffman*
DATE: 7/19/21

PLAN PREPARED BY:
ODOT DISTRICT 11
ENGINEERING

INDEX OF SHEETS

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FEDERAL PROJECT NO. **E191(548)**
 PID NO. **107564**
 CONSTRUCTION PROJECT NO. _____
 RAILROAD INVOLVEMENT **NONE**
BEL-7-17.70
 1/22

WORK ZONE PAVEMENT MARKINGS AND SIGNS

THE CONTRACTOR SHALL BE REQUIRED TO INSTALL WORK ZONE MARKINGS AND SIGNS AT LOCATIONS IDENTIFIED BY THE ENGINEER PER THE REQUIREMENTS OF CMS 614.04 AND 614.11.

WORK ZONE PAVEMENT MARKINGS SHALL BE 642 PAINT OR 807 PAINT AS SPECIFIED BELOW.

PRIOR TO PLACEMENT OF ANY WORK ZONE PAVEMENT MARKINGS, THE CONTRACTOR SHALL COMPLETELY OBLITERATE, AS PER 641.10, ALL EXISTING PAVEMENT MARKINGS THAT WOULD CREATE CONFUSION OR CONFLICT WITH THE WORK ZONE PAVEMENT MARKINGS.

THE FOLLOWING ESTIMATED QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY FOR WORK ZONE PAVEMENT MARKINGS:

- ITEM 614 -WORK ZONE LANE LINE, CLASS I, 6", 8.16 MILE 807 PAINT
- ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 6", 19.76 MILE 807 PAINT
- ITEM 614 -WORK ZONE CHANNELIZING LINE, CLASS I, 8", 807 PAINT 851 FT
- ITEM 614 -WORK ZONE CHANNELIZING LINE, CLASS I, 12", 807 PAINT 3188 FT
- ITEM 614 -WORK ZONE STOP LINE, CLASS III, 180 FT 642 PAINT

WORK ZONE RAISED PAVEMENT MARKERS CANNOT BE USED TO SIMULATE (REPLACE) ANY TYPE OF WORK ZONE PAVEMENT MARKING.

THE FOLLOWING ESTIMATED QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY FOR WORK ZONE SIGNS:

- ITEM 614 - WORK ZONE MARKING SIGN (W8-11-48) 20 EACH

ITEM 614, ASPHALT CONCRETE FOR MAINTAINING TRAFFIC

THE FOLLOWING ESTIMATED QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY FOR USE AS DIRECTED BY THE ENGINEER:

- ITEM 614, ASPHALT CONCRETE FOR MAINTAINING TRAFFIC 50 CU. YD.

MOVEMENT OF DRUMS

THE ROW OF DRUMS ALONG A CLOSED LANE SHALL BE MOVED OUT OF THE OPEN LANE ONTO THE NEW PAVEMENT AS SOON AS PAVING OPERATIONS PERMIT.

WORK ZONE INCREASED PENALTIES SIGN (R11-H5A)

R11-H5A-48 SIGNS SHALL BE FURNISHED, ERECTED, AND MAINTAINED IN GOOD CONDITION AND/OR REPLACED AS NECESSARY AND SUBSEQUENTLY REMOVED BY THE CONTRACTOR. SIGNS SHALL BE MOUNTED AT THE APPROPRIATE OFFSETS AND ELEVATIONS AS PRESCRIBED BY THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. THEY SHALL BE MAINTAINED ON SUPPORTS MEETING CURRENT SAFETY CRITERIA.

THE SIGNS MAY BE ERECTED OR UNCOVERED NO MORE THAN FOUR HOURS BEFORE THE ACTUAL START OF WORK. THE SIGNS SHALL BE REMOVED OR COVERED NO LATER THAN FOUR HOURS FOLLOWING RESTORATION OF ALL LANES TO TRAFFIC WITH NO RESTRICTIONS, OR SOONER AS DIRECTED BY THE ENGINEER. TEMPORARY SIGN COVERING AND UNCOVERING DUE TO TEMPORARY LANE RESTORATIONS SHALL BE GUIDED BY THE FOUR-HOUR LIMITATIONS STATED ABOVE. SUCH LANE RESTORATIONS SHOULD BE EXPECTED TO REMAIN IN EFFECT FOR 30 OR MORE CONSECUTIVE CALENDAR DAYS, SUCH AS DURING WINTER SHUTDOWNS.

THE SIGNS ON THE MAINLINE SHALL BE DUAL MOUNTED UNLESS NOT PHYSICALLY POSSIBLE. THE FIRST SIGN SHALL BE PLACED BETWEEN THE ROAD WORK AHEAD (W20-1) SIGN AND THE NEXT SIGN IN THE SEQUENCE. SIGNS SHALL BE ERECTED ON EACH ENTRANCE RAMP AND EVERY 2 MILES THROUGH THE CONSTRUCTION WORK LIMITS. SIGNS ON THE MAINLINE SHALL BE R11-H5A-48. SIGNS USED ON THE RAMPS SHALL BE R11-H5A-24. R11-H5A-24 SIGNS MAY BE USED IN THE MEDIAN IN LIEU OF R11-H5A-48 SIGNS IF IT IS NOT PHYSICALLY POSSIBLE TO PROVIDE R11-H5A-48 SIGNS IN THE MEDIAN.

THE R11-H5A-48 SIGNS SHALL BE MOUNTED ON 2 NO. 3 POSTS WHEN LOCATED WITHIN CLEAR ZONES.

THE CONTRACTOR MAY USE SIGNS AND SUPPORTS IN USED, BUT GOOD, CONDITION PROVIDED THE SIGNS MEET CURRENT ODOT SPECIFICATIONS. SIGN FACES SHALL BE RETROREFLECTORIZED WITH TYPE G SHEETING COMPLYING WITH THE REQUIREMENTS OF C&MS 730.19.

WORK ZONE INCREASED PENALTIES SIGNS AND SUPPORTS WILL BE MEASURED AS THE NUMBER OF SIGN INSTALLATIONS, INCLUDING THE SIGN AND NECESSARY SUPPORTS. IF A SIGN AND SUPPORT COMBINATION IS REMOVED AND REERECTED AT ANOTHER LOCATION AS DIRECTED BY THE ENGINEER, IT SHALL BE CONSIDERED ANOTHER UNIT.

PAYMENT FOR ACCEPTED QUANTITIES, COMPLETE, IN PLACE WILL BE MADE AT THE CONTRACT UNIT PRICE. PAYMENT SHALL BE FULL COMPENSATION FOR ALL MATERIALS, LABOR, INCIDENTALS AND EQUIPMENT FOR FURNISHING, ERECTING, MAINTAINING, COVERING DURING SUSPENSION OF WORK, AND REMOVAL OF THE SIGN AND SUPPORT.

- ITEM 64, WORK ZONE INCREASED PENALTIES SIGN 8 EACH

WORK ZONE SPEED ZONES (WZSZS)

THE FOLLOWING WORK ZONE SPEED ZONE (WZSZ) SPEED LIMIT REVISION(S) HAVE BEEN APPROVED FOR USE ON THIS PROJECT WHEN WORK ZONE CONDITIONS AND FACTORS ARE MET AS DESCRIBED BELOW:

WZSZ REVISION NUMBER(S)	CNTY-RTE-SECT(S)	DIRECTION(S)
WZ-60633	BEL-7-17.70	NB & SB

POTENTIAL WZSZ LOCATIONS SHALL HAVE AN ORIGINAL (PRE-CONSTRUCTION) POSTED SPEED LIMIT OF 55 MPH OR GREATER, A QUALIFYING WORK ZONE CONDITION OF AT LEAST 0.5 MILE IN LENGTH, AN EXPECTED WORK DURATION OF AT LEAST THREE HOURS, AND A WORK ZONE CONDITION IN PLACE THAT REDUCES THE EXISTING FUNCTIONALITY OF THE TRAVEL LANES OR SHOULDERS (I.E., LANE CLOSURE, LANE SHIFT, CROSSOVER, CONTRAFLOW AND/OR SHOULDER CLOSURE). THE LENGTH OF THE WORK ZONE CONDITION IS MEASURED FROM THE BEGINNING OF THE TAPER FOR THE SUBJECT WORK ZONE CONDITION IMPACTING THE TRAVEL LANES AND/OR SHOULDER TO THE END OF THE DOWNSTREAM TAPER, WHERE DRIVERS ARE RETURNED TO TYPICAL ALIGNMENT. AN EXPECTED WORK DURATION OF AT LEAST THREE HOURS IS REQUIRED TO BALANCE THE ADDITIONAL EXPOSURE CREATED BY INSTALLING AND REMOVING WZSZ SIGNING WITH THE TIME NEEDED TO COMPLETE THE WORK.

IF THE WORK ZONE MEETS THESE MINIMUM CRITERIA, IT SHALL BE ANALYZED FURTHER USING TABLE 1 BELOW TO DETERMINE IF AND WHEN IT QUALIFIES FOR A SPEED LIMIT REDUCTION. DEPENDING ON THE ORIGINAL POSTED SPEED LIMIT, THE TYPE OF TEMPORARY TRAFFIC CONTROL USED, AND WHETHER OR NOT WORKERS ARE PRESENT, A WARRANTED WZSZ WILL VARY IN THE APPROVED SPEED LIMIT TO BE POSTED OVER TIME.

C&MS ITEM 614, PARAGRAPH 614.02(B), INDICATES THAT TWO DIRECTIONS OF A DIVIDED HIGHWAY ARE CONSIDERED SEPARATE HIGHWAY SECTIONS. THEREFORE, IF THE WORK ON A MULTI-LANE DIVIDED HIGHWAY IS LIMITED TO ONLY ONE DIRECTION, A SPEED LIMIT REDUCTION IN THE DIRECTION OF THE WORK DOES NOT AUTOMATICALLY CONSTITUTE A SPEED LIMIT REDUCTION IN THE OPPOSITE DIRECTION. EACH DIRECTION SHALL BE ANALYZED INDEPENDENTLY FROM EACH OTHER.

ALL WZSZS FLUCTUATE BETWEEN TWO APPROVED REDUCED SPEED LIMITS OR BETWEEN AN APPROVED REDUCED SPEED LIMIT AND THE ORIGINAL POSTED SPEED LIMIT. ONLY ONE OF TWO SIGNING STRATEGIES SHALL BE USED TO IMPLEMENT A WZSZ.

WZSZS USING DSL SIGN ASSEMBLIES SHALL BE IN ACCORDANCE WITH THIS NOTE, APPROVED LIST, SUPPLEMENTAL SPECIFICATIONS (SS) 808 AND 908, AND TRAFFIC SCD MT-104.10.

ONLY ONE WARRANTED SPEED LIMIT APPLIES AT ANY ONE TIME; SPEED LIMIT REDUCTIONS ARE NOT CUMULATIVE. WZSZS SHALL NOT BE USED FOR MOVING/MOBILE ACTIVITIES, AS DEFINED IN OMUTCD PART 6.

(CONTINUED...)

WORK ZONE SPEED ZONES (WZSZS)

(CONTINUED...)

WHEN LOOKING UP THE WARRANTED WORK ZONE SPEED LIMITS, ALWAYS USE THE ORIGINAL, PRECONSTRUCTION, POSTED SPEED LIMIT. DO NOT USE A PRIOR OR CURRENT WORK ZONE SPEED LIMIT AS A LOOK UP VALUE IN THE TABLE. POSITIVE PROTECTION IS GENERALLY REGARDED AS PORTABLE BARRIER OR OTHER RIGID BARRIER IN USE ALONG THE WORK AREA WITHIN THE SUBJECT WARRANTED WORK ZONE CONDITION. WITHOUT POSITIVE PROTECTION IS GENERALLY REGARDED AS USING DRUMS, CONES, SHADOW VEHICLE, ETC., ALONG THE WORK AREA WITHIN THE SUBJECT WARRANTED WORK ZONE CONDITION. WORKERS ARE CONSIDERED AS BEING PRESENT WHEN ON-SITE, WORKING WITHIN THE SUBJECT WARRANTED WORK ZONE CONDITION. WHEN THE WORK ZONE CONDITION REDUCING THE EXISTING FUNCTIONALITY OF THE TRAVEL LANES OR SHOULDERS IS REMOVED, THE SPEED LIMIT DISPLAYED SHALL RETURN TO THE ORIGINAL POSTED SPEED LIMIT.

ORIGINAL POSTED SPEED LIMIT	WITH POSITIVE PROTECTION		WITHOUT POSITIVE PROTECTION	
	WORKERS PRESENT	WORKERS NOT PRESENT	WORKERS PRESENT	WORKERS NOT PRESENT
70	60	65	55	65
65	55	60	50	60
60	55	60	50	60
55	50	55	45	55

THE FOLLOWING ESTIMATED QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY.

- ITEM 808, DIGITAL SPEED LIMIT (DSL) 30 SIGN MNTH SIGN ASSEMBLY (ASSUME 6 SIGNS FOR 5 MONTHS EACH)

CONTRACTOR'S EQUIPMENT - OPERATION AND STORAGE

IN ADDITION TO THE REQUIREMENTS OF SECTION 614.03 OF THE CONSTRUCTION AND MATERIAL SPECIFICATIONS THE FOLLOWING SHALL APPLY. THE CONTRACTOR'S EQUIPMENT SHALL BE OPERATED IN THE DIRECTION OF TRAFFIC WHERE PRACTICAL. A FLAGGER SHALL BE USED WHERE THE CONTRACTOR'S EQUIPMENT MUST MERGE WITH THE TRAFFIC STREAM. THE CONTRACTOR'S VEHICLES AND EQUIPMENT SHALL BE EQUIPPED WITH AT LEAST ONE AMBER FLASHING LIGHT.

EQUIPMENT MAY BE PARKED IN AREAS ALONG THE HIGHWAY, THIRTY FEET (30') FROM THE EDGE OF TRAVELED HIGHWAY UNLESS BEHIND GUARDRAIL, WHEN VARIOUS OPERATIONS ARE SCHEDULED TO CONTINUE THE NEXT WORKDAY. ON WEEKENDS OR AT OTHER TIMES OF SUSPENSION OF WORK, THE EQUIPMENT SHALL BE STORED AT A STORAGE AREA REMOVED FROM THE INTERSTATE ROUTE RIGHT OF WAY. NO EQUIPMENT SHALL BE PARKED IN THE MEDIAN OF THE HIGHWAY. ADEQUATE BARRICADES AND LIGHT SHALL BE PLACED ON THE PAVEMENT SIDE OF THE EQUIPMENT TO IDENTIFY THE LIMITS OF THE EQUIPMENT. ALL OTHER EQUIPMENT, INCLUDING PRIVATE VEHICLES, SHALL BE STORED AT THE APPROVED CONTRACTOR'S STORAGE AREA.

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MAINTENANCE OF TRAFFIC NOTES

BEL-7-17.70

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SHEET NUM.											PART.		ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
2				9	11	12	13	14	15	18	01/ NHS/PV	02/ SAF/OT						
ROADWAY																		
LS											LS		201	11000	LS		CLEARING AND GRUBBING	
								17,844			17,844		202	38000	17,844	FT	GUARDRAIL REMOVED	
									33		33		204	10000	33	SY	SUBGRADE COMPACTION	
				4.81	1.19						6		209	60500	6	MILE	LINEAR GRADING	
								16,800			16,800		606	15050	16,800	FT	GUARDRAIL, TYPE MGS	
								237.5			237.5		606	15150	237.5	FT	GUARDRAIL, TYPE MGS HALF POST SPACING	
								50			50		606	15550	50	FT	GUARDRAIL, BARRIER DESIGN, TYPE MGS	
								1			1		606	25550	1	EACH	ANCHOR ASSEMBLY, MGS TYPE A	
								3			3		606	26050	3	EACH	ANCHOR ASSEMBLY, MGS TYPE B	
								9			9		606	26150	9	EACH	ANCHOR ASSEMBLY, MGS TYPE E (MASH 2016)	
								13			13		606	26550	13	EACH	ANCHOR ASSEMBLY, MGS TYPE T	
								3			3		606	35002	3	EACH	MGS BRIDGE TERMINAL ASSEMBLY, TYPE 1	
								1			1		606	35006	1	EACH	MGS BRIDGE TERMINAL ASSEMBLY, TYPE 1, BARRIER DESIGN	
								3			3		606	35102	3	EACH	MGS BRIDGE TERMINAL ASSEMBLY, TYPE 2	
								1			1		606	60022	1	EACH	IMPACT ATTENUATOR, TYPE 2 (UNIDIRECTIONAL), (55 MPH, 24")	
EROSION CONTROL																		
											23,000		832	30000	23,000	EACH	EROSION CONTROL	
DRAINAGE																		
										100	100		605	31100	100	FT	AGGREGATE DRAINS	
									10		10		611	99500	10	EACH	INLET, MISC.: NO, 1-3C, TYPE A	15
									10		10		611	99500	10	EACH	INLET, MISC.: CLEANOUT INLET	15
PAVEMENT																		
										100	100		251	01010	100	CY	PARTIAL DEPTH PAVEMENT REPAIR (441)	
				65,666	9,474	23,983	3,060				102,183		254	01000	102,183	SY	PAVEMENT PLANING, ASPHALT CONCRETE, 1-1/2"	
				1,969	286	719	94				3,068		254	01600	3,068	SY	PATCHING PLANED SURFACE	
										550	550		255	10011	550	SY	FULL DEPTH PAVEMENT REMOVAL AND RIGID REPLACEMENT, CLASS QC1, AS PER PLAN	18
										1,800	1,800		255	20000	1,800	FT	FULL DEPTH PAVEMENT SAWING	
										8	8		302	46000	8	CY	ASPHALT CONCRETE BASE, PG64-22	
										5	5		304	20000	5	CY	AGGREGATE BASE	
				5,581	807	2,039	259				8,686		407	20000	8,686	GAL	NON-TRACKING TACK COAT	
						1,646	307				1,953		408	10001	1,953	GAL	PRIME COAT, AS PER PLAN	2
				2,736							2,736		442	00100	2,736	CY	ANTI-SEGREGATION EQUIPMENT	
				2,736	395	999	129				4,259		442	10351	4,259	CY	ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE B (447), AS PER PLAN	2
								54			54		609	24510	54	FT	CURB, TYPE 4-C	
						169	29				198		617	10100	198	CY	COMPACTED AGGREGATE	
						18,530					18,530		618	40100	18,530	FT	RUMBLE STRIPS, SHOULDER (ASPHALT CONCRETE)	

GENERAL SUMMARY

BEL - 7 - 17 . 70

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SHEET NUM.										PART.		ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.	
4	5	6				14			19	01/ NHS/PV	02/ SAF/OT							
																TRAFFIC CONTROL		
										435	435	621	00100	435	EACH	RPM		
										435	435	621	54000	435	EACH	RAISED PAVEMENT MARKER REMOVED		
									201		201	626	00110	201	EACH	BARRIER REFLECTOR, TYPE 2, ONE-WAY		
										90	90	646	10400	90	FT	STOP LINE		
										130	130	646	10600	130	FT	TRANSVERSE/DIAGONAL LINE		
										287	287	646	10620	287	FT	CHEVRON MARKING		
										86	86	646	10700	86	FT	CURB MARKING		
										18	18	646	20300	18	EACH	LANE ARROW		
										2	2	646	20320	2	EACH	WRONG WAY ARROW		
										9.88	9.88	807	12010	9.88	MILE	WET REFLECTIVE EPOXY PAVEMENT MARKING, EDGE LINE, 6"		
										4.08	4.08	807	12110	4.08	MILE	WET REFLECTIVE EPOXY PAVEMENT MARKING, LANE LINE, 6"		
										851	851	807	12300	851	FT	WET REFLECTIVE EPOXY PAVEMENT MARKING, CHANNELIZING LINE, 8"		
										3,188	3,188	807	12310	3,188	FT	WET REFLECTIVE EPOXY PAVEMENT MARKING, CHANNELIZING LINE, 12"		
										3,788	3,788	807	12410	3,788	FT	WET REFLECTIVE EPOXY PAVEMENT MARKING, DOTTED LINE, 6"		
										13.96	13.96	850	10010	13.96	MILE	GROOVING FOR 6" RECESSED PAVEMENT MARKING, (ASPHALT)		
										3,788	3,788	850	10110	3,788	FT	GROOVING FOR 6" RECESSED PAVEMENT MARKING, (ASPHALT)		
										851	851	850	10120	851	FT	GROOVING FOR 8" RECESSED PAVEMENT MARKING, (ASPHALT)		
										3,188	3,188	850	10130	3,188	FT	GROOVING FOR 12" RECESSED PAVEMENT MARKING, (ASPHALT)		
																MAINTENANCE OF TRAFFIC		
			200							200		614	11110	200	OUR	LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE		
			3,300							3,300		614	11630	3,300	FT	INCREASED BARRIER DELINEATION		
			4							4		614	12380	4	EACH	WORK ZONE IMPACT ATTENUATOR, 24" WIDE HAZARDS, (UNIDIRECTIONAL)		
			20							20		614	12460	20	EACH	WORK ZONE MARKING SIGN		
			8							8		614	12484	8	EACH	WORK ZONE INCREASED PENALTIES SIGN		
			50							50		614	13000	50	CY	ASPHALT CONCRETE FOR MAINTAINING TRAFFIC		
			38							38		614	13350	38	EACH	OBJECT MARKER, ONE WAY		
			8.16							8.16		614	20056	8.16	MILE	WORK ZONE LANE LINE, CLASS I, 6", 807 PAINT		
			19.76							19.76		614	22056	19.76	MILE	WORK ZONE EDGE LINE, CLASS I, 6", 807 PAINT		
			851							851		614	23100	851	FT	WORK ZONE CHANNELIZING LINE, CLASS I, 8", 807 PAINT		
			3,188							3,188		614	23110	3,188	FT	WORK ZONE CHANNELIZING LINE, CLASS I, 12", 807 PAINT		
			180							180		614	26610	180	FT	WORK ZONE STOP LINE, CLASS III, 642 PAINT		
			3,300							3,300		622	41100	3,300	FT	PORTABLE BARRIER, UNANCHORED		
			30							30		808	18700	30	SNMT	DIGITAL SPEED LIMIT (DSL) SIGN ASSEMBLY		
																INCIDENTALS		
		LS								LS		614	11001	LS		MAINTAINING TRAFFIC, AS PER PLAN		4
										4		619	16010	4	MNTH	FIELD OFFICE, TYPE B		
										LS		623	10000	LS		CONSTRUCTION LAYOUT STAKES AND SURVEYING		
										LS		624	10000	LS		MOBILIZATION		

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GENERAL SUMMARY			
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SHEET NO.	ROUTE	SLM		621				646						807						850				COMMENTS								
				RPM			RAISED PAVEMENT MARKER REMOVED	STOP LINE	TRANSVERSE/DIAGONAL LINE (YELLOW)	CHEVRON MARKING	CURB MARKING	LANE ARROW	WRONG WAY ARROW	WET REFLECTIVE EPOXY PAVEMENT MARKING, EDGE LINE, 6" (YELLOW)	WET REFLECTIVE EPOXY PAVEMENT MARKING, EDGE LINE, 6" (WHITE)	WET REFLECTIVE EPOXY PAVEMENT MARKING, LANE LINE, 6"	WET REFLECTIVE EPOXY PAVEMENT MARKING, 8" CHANNELIZING LINE, 8"	WET REFLECTIVE EPOXY PAVEMENT MARKING, 12" CHANNELIZING LINE, 12"	WET REFLECTIVE EPOXY PAVEMENT MARKING, 6" DOTTED LINE, 6"	GROOVING FOR 6" RECESSED PAVEMENT MARKING, (ASPHALT)	GROOVING FOR 6" RECESSED PAVEMENT MARKING, (ASPHALT)	GROOVING FOR 8" RECESSED PAVEMENT MARKING, (ASPHALT)	GROOVING FOR 12" RECESSED PAVEMENT MARKING, (ASPHALT)									
				SPACING	YELLOW/RED	WHITE/RED																			FT	EACH	EACH	FT	FT	FT	FT	EACH
	NB 7	17.74	19.76	80		135	135								2.02	2.02	2.02				6.06											
20	7	17.92	18.07	40		21	21													816	390			390			816			NB COLLECTOR DISTRIBUTOR EXIT		
20	7	18.28	18.52	40		17	17													660	930			930			660			NB COLLECTOR DISTRIBUTOR ENTRANCE		
22	7	19.64	19.70	40		6	6	36			50													203			217			RAMP B - AUXILIARY		
21	7	18.80	18.99			9	9	12			82																425			CR 32 (KILGORE RD) INTERSECTION		
	SB 7	17.7	19.76	80		137	137								2.06	2.06	2.06				6.18											
20	7	17.76	18.00	40		17	17													662	931			931			662			SB COLLECTOR DISTRIBUTOR ENTRANCE		
20	7	18.36	18.50	40		17	17				111									649	426			426			649			SB COLLECTOR DISTRIBUTOR EXIT		
22	7	19.45	19.62	40		5	5																	799			184			RAMP A - AUXILIARY		
21	7	18.19						42			48																426		109	109	426	IR 470 RAMP INTERSECTION
	NB C-D	0.00	0.24	80		17	17								0.24	0.24					0.48											
	SB C-D	0.00	0.42	80		29	29								0.42	0.42					0.84											
	RAMP A	0.00	0.09	80		7	7								0.09	0.09					0.18											
	RAMP B	0.00	0.11	80		9	9	18							0.11	0.11					0.22											
SUBTOTAL						62	373	435	90	130	287	86	18	2																	01/NHS/PV FUNDING	
SUBTOTAL															4.94	4.94	4.08	851	3187	3788	13.96	3788	851	3188						02/SAF/OT FUNDING		
TOTALS CARRIED TO GENERAL SUMMARY						435	435	435	90	130	287	86	18	2	9.88	4.08	851	3188	3788	13.96	3788	851	3188									

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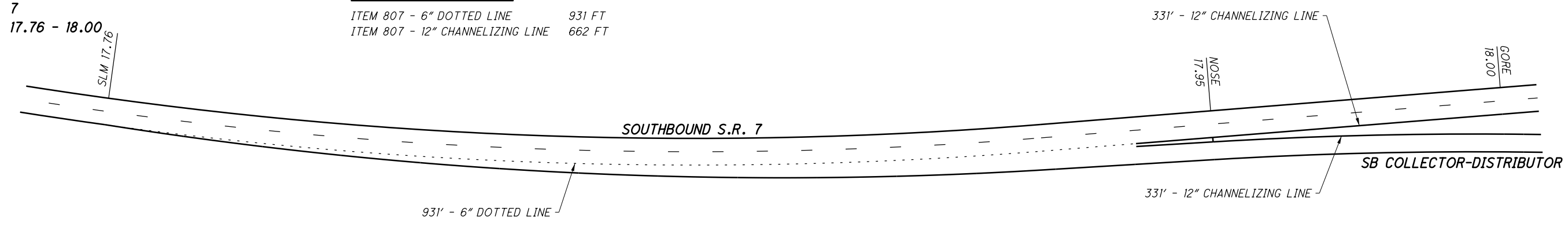
TRAFFIC CONTROL QUANTITIES

BEL-7-17.70

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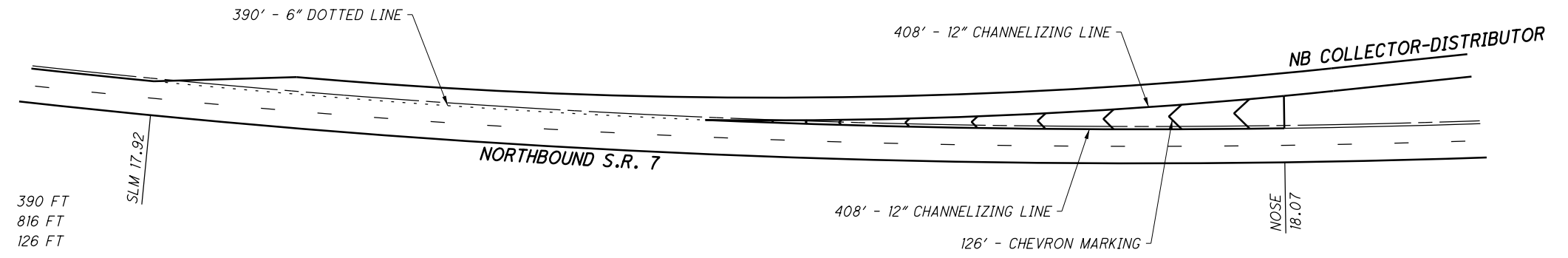
COUNTY: BEL
ROUTE: 7
SECTION: 17.76 - 18.00

ESTIMATED QUANTITIES
ITEM 807 - 6" DOTTED LINE 931 FT
ITEM 807 - 12" CHANNELIZING LINE 662 FT



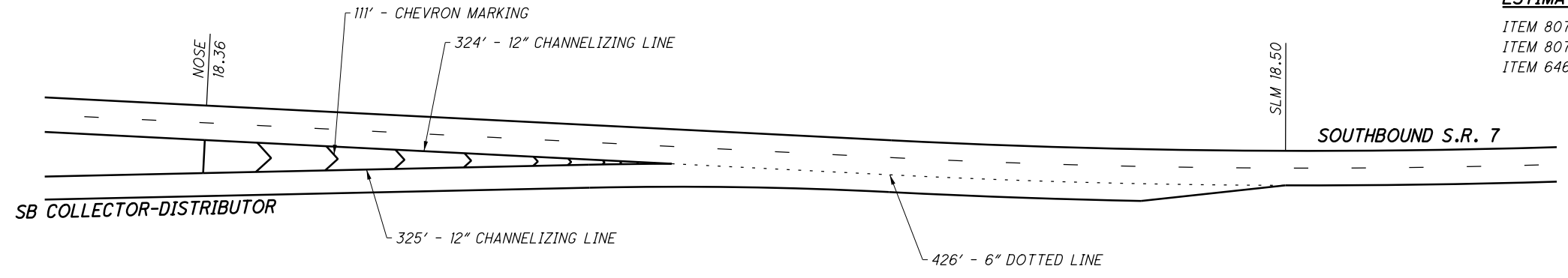
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ROUTE: 7
SECTION: 17.92 - 18.07

ESTIMATED QUANTITIES
ITEM 807 - 6" DOTTED LINE 390 FT
ITEM 807 - 12" CHANNELIZING LINE 816 FT
ITEM 807 - CHEVRON MARKING 126 FT



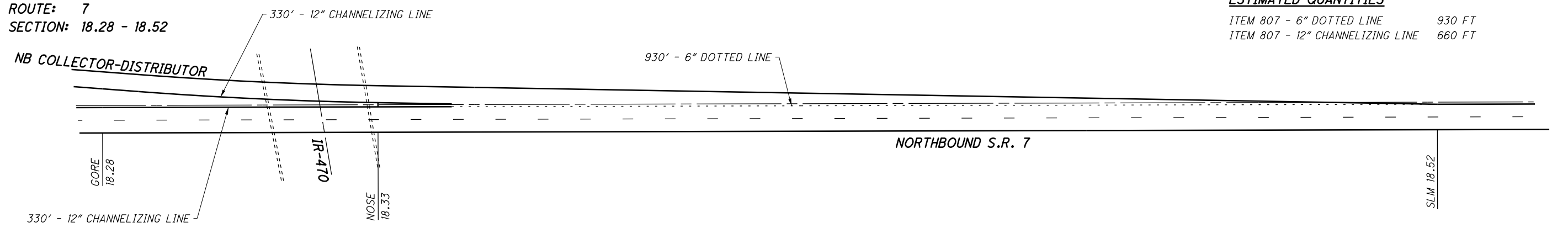
COUNTY: BEL
ROUTE: 7
SECTION: 18.36 - 18.50

ESTIMATED QUANTITIES
ITEM 807 - 6" DOTTED LINE 426 FT
ITEM 807 - 12" CHANNELIZING LINE 649 FT
ITEM 646 - CHEVRON MARKING 111 FT



COUNTY: BEL
ROUTE: 7
SECTION: 18.28 - 18.52

ESTIMATED QUANTITIES
ITEM 807 - 6" DOTTED LINE 930 FT
ITEM 807 - 12" CHANNELIZING LINE 660 FT



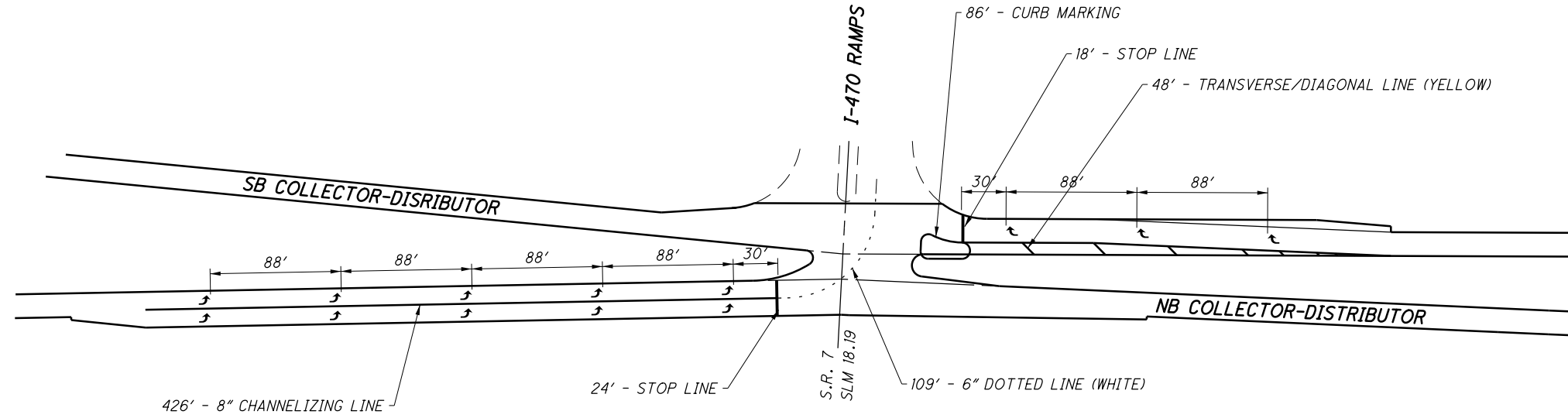
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AUXILIARY PAVEMENT MARKING DETAILS

BEL-7-17.70

20
22

COUNTY: BEL
 ROUTE: 7
 SECTION: 18.19



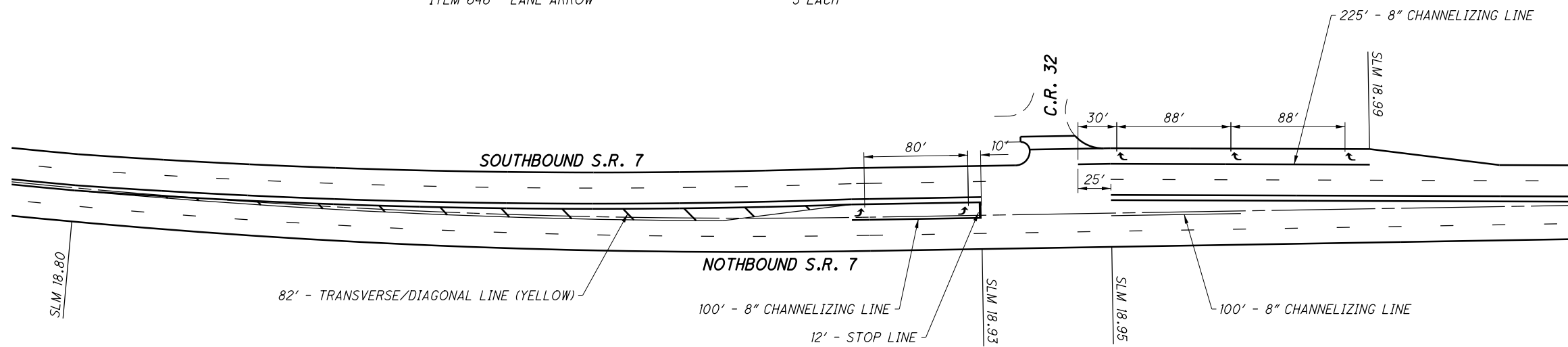
ESTIMATED QUANTITIES

ITEM 807 - 6" DOTTED LINE	109 FT
ITEM 807 - 8" CHANNELIZING LINE	426 FT
ITEM 646 - LANE ARROW	13 EACH
ITEM 646 - STOP LINE	42 FT
ITEM 646 - TRANSVERSE/DIAGONAL LINE (YELLOW)	48 FT
ITEM 646 - CURB MARKING	86 FT

COUNTY: BEL
 ROUTE: 7
 SECTION: 18.80 - 18.99

ESTIMATED QUANTITIES

ITEM 807 - 8" CHANNELIZING LINE	425 FT
ITEM 646 - STOP LINE	12 FT
ITEM 646 - TRANSVERSE/DIAGONAL LINE (YELLOW)	82 FT
ITEM 646 - LANE ARROW	5 EACH



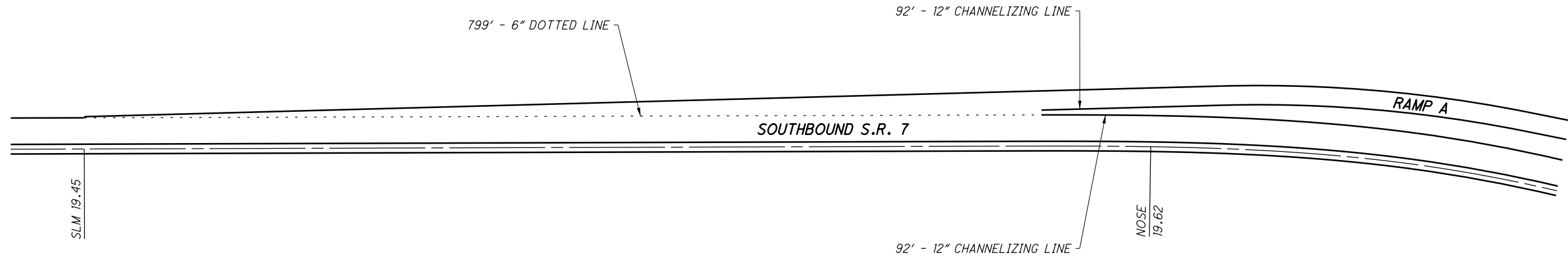
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AUXILIARY PAVEMENT MARKING DETAILS

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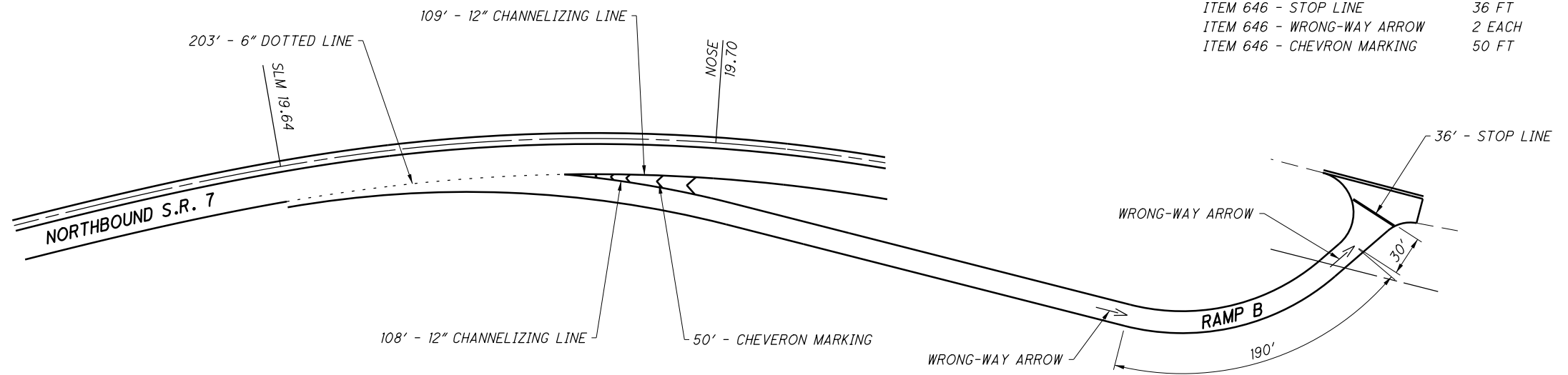
COUNTY: BEL
 ROUTE: 7
 SECTION: 19.45 - 19.62



ESTIMATED QUANTITIES

ITEM 807 - 6" DOTTED LINE	799 FT
ITEM 807 - 12" CHANNELIZING LINE	184 FT

COUNTY: BEL
 ROUTE: 7
 SECTION: 19.64 - 19.70



ESTIMATED QUANTITIES

ITEM 807 - 6" DOTTED LINE	203 FT
ITEM 807 - 12" CHANNELIZING LINE	217 FT
ITEM 646 - STOP LINE	36 FT
ITEM 646 - WRONG-WAY ARROW	2 EACH
ITEM 646 - CHEVRON MARKING	50 FT

CALCULATED
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AUXILIARY PAVEMENT MARKING DETAILS

BEL-7-17.70

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