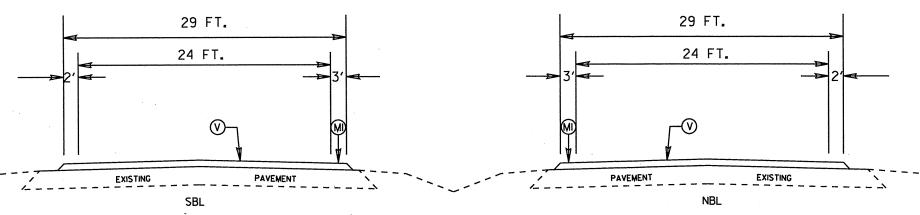
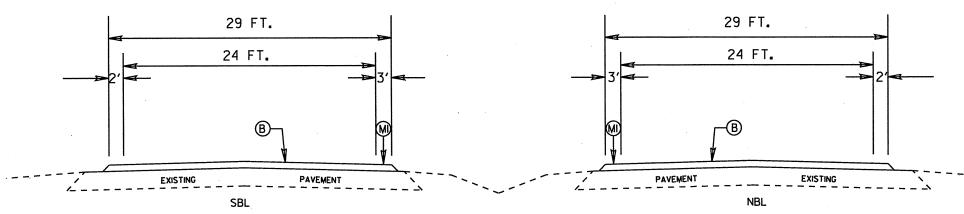


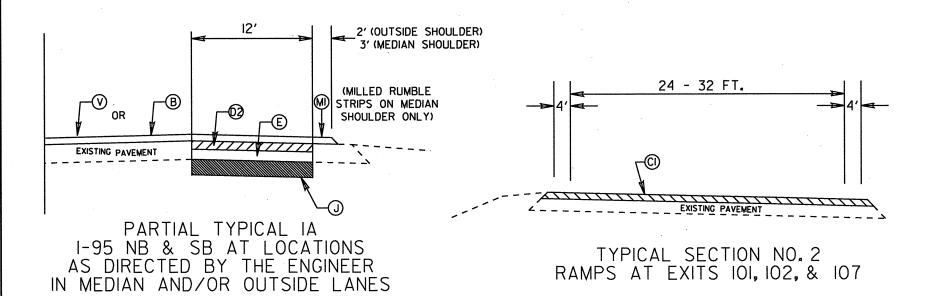
TYPICAL SECTIONS (SURFACING AND RESURFACING)



TYPICAL I - ALTERNATE I I-95 NB & SB LANES



TYPICAL I - ALTERNATE 2 I-95 NB & SB LANES

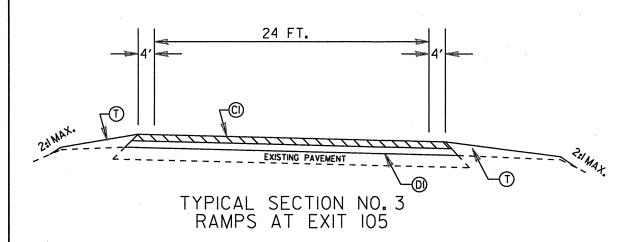


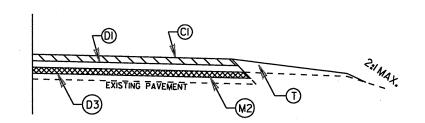
WBS ELEME	NT	SHEE	T NO.	TOTAL SHEETS				
42397.3.ST	l	2	2	4				
TIP PROJECT	F. A. PF	ROJ. NO.	DE	SCRIPTION				
1-5016								

	PAVEMENT SCHEDULE
V	PROP. APPROX. 5%" ULTRA-THIN HOT MIX ASPHALT , TYPE B, AT AN AVERAGE RATE OF 70 LBS. PER SQ. YD.
В	PROP. OPEN-GRADED ASPHALT FRICTION COURSE, TYPE FC-2 MODIFIED, AT AN AVERAGE RATE OF 90 LBS. PER SQ. YD.
CI	PROP. APPROX. 1.5° ASP. CONC. SURFACE CO., TYPE S9.5C AT AN AVERAGE RATE OF 168 LBS. PER SO. YD.
C2	PROP. APPROX. 2" ASP. CONC. SURFACE CO., TYPE S9.5C AT AN AVERAGE RATE OF 224 LBS. PER SQ. YD.
DI	PROP. APPROX. 3° ASP. CONC. INTERMEDIATE CO., TYPE 119.0C AT AN AVERAGE RATE OF 342 LBS. PER SQ. YD.
D2	PROP. APPROX. 4" ASP. CONC. INTERMEDIATE CO., TYPE 119.0C AT AN AVERAGE RATE OF 456 LBS. PER SO. YD.
D3	PROP. VAR. DEPTH ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE II9.OC, AT AN AVERAGE RATE OF II4 LBS. PER SO. YD. PER I' DEPTH, TO BE PLACED IN LAYERS NOT LESS THAN 21/2" IN DEPTH OR GREATER THAN 4" IN DEPTH
E .	PROP. APPROX. 5½" ASP. CONC. BASE CO., TYPE B25.OC AT AN AVERAGE RATE OF 627 LBS. PER SO. YD.
J	PROP. 12" AGGREGATE BASE COURSE
MI	MILLED RUMBLE STRIPS
M 2	MILLING ASPHALT PAVEMENT, 21/2" TO 4" DEPTH
Т	SHOULDER CONSTRUCTION
	NOTE: ALL PAVEMENT EDGE SLOPES ARE III

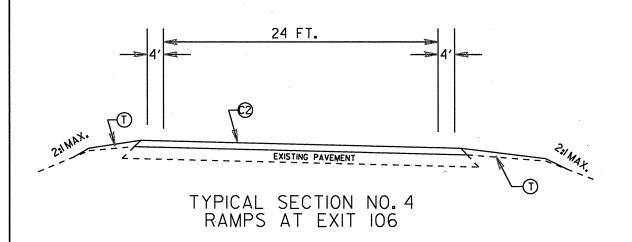
UNLESS SHOWN OTHERWISE

TYPICAL SECTIONS (SURFACING AND RESURFACING)





PARTIAL TYPICAL 3A
RAMPS AT EXIT 105 AT LOCATIONS
AS DIRECTED BY THE ENGINEER

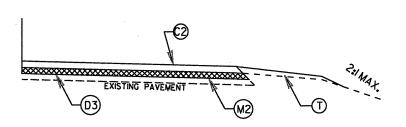


	PAVEMENT SCHEDULE
٧	PROP. APPROX. %" ULTRA-THIN HOT MIX ASPHALT , TYPE B, AT AN AVERAGE RATE OF 70 LBS. PER SQ. YD.
CI	PROP. APPROX. 1.5" ASP. CONC. SURFACE CO., TYPE S9.5C AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
C2	PROP. APPROX. 2" ASP. CONC. SURFACE CO., TYPE S9.5C AT AN AVERAGE RATE OF 224 LBS. PER SO. YD.
DI	PROP. APPROX. 3' ASP. CONC. INTERMEDIATE CO., TYPE 119.0C AT AN AVERAGE RATE OF 342 LBS. PER SO. YD.
D2	PROP. APPROX. 4" ASP. CONC. INTERMEDIATE CO., TYPE 119.0C AT AN AVERAGE RATE OF 456 LBS. PER SQ. YD.
D3	PROP. VAR. DEPTH ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 119.0C, AT AN AVERAGE RATE OF 114 LBS. PER SO. YD. PER 1" DEPTH, TO BE PLACED IN LAYERS NOT LESS THAN 21/2" IN DEPTH OR GREATER THAN 4" IN DEPTH.
E	PROP. APPROX. 51/2" ASP. CONC. BASE CO., TYPE B25.0C AT AN AVERAGE RATE OF 627 LBS. PER SO. YD.
J	PROP. 12" AGGREGATE BASE COURSE
MI	MILLED RUMBLE STRIPS
M2	MILLING ASPHALT PAVEMENT, 21/2" TO 4" DEPTH
T	SHOULDER CONSTRUCTION
NOTES:	ALL PAVEMENT EDGE SLOPES ARE MUNLESS SHOWN OTHERWISE

PAYED SHOULDER SLOPES

MATCH EDEITING SLOPES 0.06 MAX ROLLOYER IN SUPERFLEYATED SECTIONS

FOR SHOULDER CONSTRUCTION OPERATIONS, MAINTAIN DISTANCE TO EXISTING SHOULDER PCINT. TIE TO EXISTING SHOULDER POINT WHEREVER POSSIBLE. TIE TO EXISTING SLOPE AT LOCATIONS AS DIRECTED BY THE ENGINEER



WBS ELEMENT

42397.3.STI

1-5016

TIP PROJECT F. A. PROJ. NO.

SHEET NO. TOTAL SHEETS

DESCRIPTION

PARTIAL TYPICAL 4A
RAMPS AT EXIT 106 AT LOCATIONS
AS DIRECTED BY THE ENGINEER

PROJECT NO.	SHEET NO.	TOTAL NO.
I-5016	4	4
(42397.3 ST1)	1 4	4

SUMMARY OF QUANTITIES

PROJECT	COUNTY	MAP	ROUTE	DESCRIPTION	TYP	FINAL SURFACE TESTING REQUIRED	LENGTH Mi	WIDTH	UNDERCUT EXCAVATION CY		FABRIC FOR SOIL STABIL- IZATION SY	AGGRE- GATE BASE COURSE TONS		SEEDING & MULCHING	2.5" TO 4" MILLING SY	BASE COURSE, B25.0C TONS	INTER- MEDIATE COURSE, 119.0C	SURFACE COURSE, S9.5C	PG 64-22 PLANT MIX TONS	PG 70-22 PLANT MIX TONS	SEALING EXISTING PAVEMENT CRACKS & JOINTS LB	MILLED RUMBLE STRIPS LF
I-5016				FROM MILE POST 99.8 TO MILE																		
(42397.3.ST1)	Johnston	1	I-95 NB	POST 107.1	11	NO	7.3	38	40	120	120	100				40	30		3		20,000	38,544
TOT	TAL FOR M	AP NO. 1					7.3		40	120	120	100				40	- 30		3		20,000	38,544
		2	I-95 SB	FROM MILE POST 99.8 TO MILE POST 107.1	1	NO	7.3	38	40	120	120	100				40	30		3		20,000	38,544
TOT	TAL FOR M	AP NO. 2					7.3		40	120	120	100				40	30		3		20,000	38,544
	T	3,4,5,6	EXIT 101	RAMPS	2	NO	0.59	32										1,000	<u> </u>	60		
TOTA	L FOR MA	P NO. 3456	3				0.59		0	0	0	0				0	0	1,000	0	60	0	0
	1	7,8,9,10	EXIT 102	RAMPS	2	NO	0.58	32										950		57		
TOTA	L FOR MAI						0.58		0	0	0	0				0	0	950	0	57	0	0
	T	11,12,13,14	EXIT 105	RAMPS	3	NO	0.61	32					1	1	900		2,240	1,100	105	66		
TOTAL	FOR MAP	NO. 111213	314				0.61		0	0	0	0	1	1	900	0	2,240	1,100	105	66	0	0
		15,16,17,18		RAMPS	4	NO	0.87	32					2	1	2,500		600	2,000	28	120		
TOTAL	FOR MAP						0.87		0	0	0	0	2	1	2,500	0	600	2,000	28	120	0	0
		19,20,21,22	EXIT 107	RAMPS	2	NO	1.12	32										1,800		108		
TOTAL	FOR MAP						1.12		0	0	0	0	0	0	0	0	0	1,800	0	108	0	0
				16 (42397.3.ST1)			18.37		80	240	240	200	3	2	3,400	80	2,900	6,850	139	411	40,000	77,088
	GRAND TO	OTAL					18.37		80	240	240	200	3	2	3,400	80	2,900	6,850	139	411	40,000	77,088

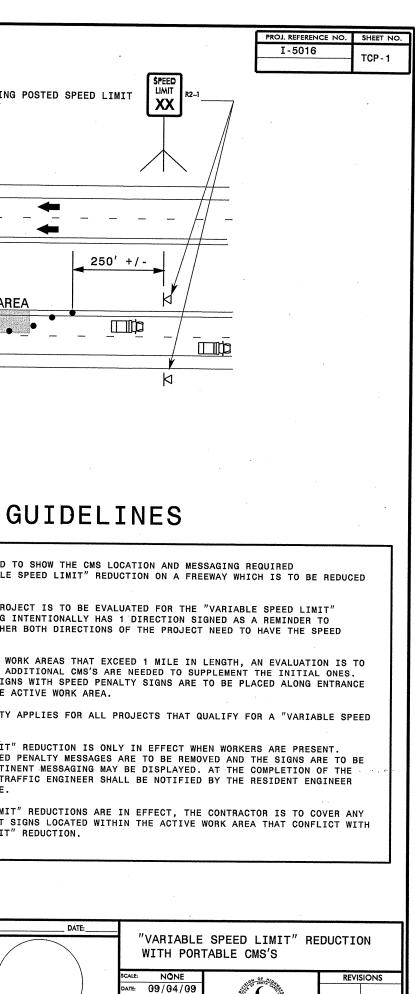
PROJECT	COUNTY	MAP	ROUTE	DESCRIPTION	ТҮР	FINAL SURFACE TESTING REQUIRED	LENGTH	WIDTH	PG 70-28 PLANT MIX	ULTRATHIN HOT MIX, TYPE B	APP- LICATION OF ULTRATHIN HOT MIX
NO		NO			NO		MI	FT	TON	TONS	SY
I-5016 (42397.3.ST1)	Johnston	1	I-95 NB	FROM MILE POST 99.8 TO MILE POST 107.1	1	NO	7.3	29	250	4,785	125,000
ТОТ	AL FOR M		1				7.3		250	4,785	125,000
		2	I-95 SB	FROM MILE POST 99.8 TO MILE POST 107.1	. 1	NO	7.3	29	250	4,785	125,000
TOT	TAL FOR M	IAP NO. 2					7.3		250	4,785	125,000
	TOTAL	FOR PRO	J NO. I-50	16 (42397.3.ST1)			14.6		500	9,570	250,000
											,
	GRAND T	OTAL				<u> </u>	14.6	L	500	9,570	250,000

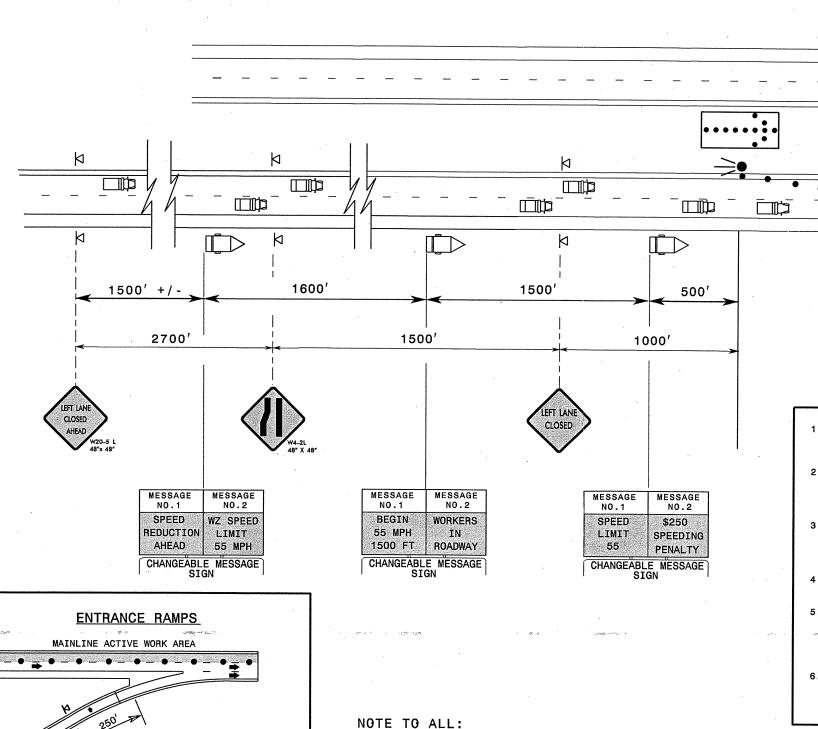
ALTERNATE 1 - SUMMARY OF QUANTITIES ALTERNATE 2 - SUMMARY OF QUANTITIES

			0 0	, 141 141	A 11 1	U 1	Q U	A 14 1		
PROJECT	COUNTY	MAP	ROUTE	DES- CRIPTION	TYP	FINAL SURFACE TESTING REQUIRED	LENGTH	WIDTH	PG 76-22 PLANT MIX	OGAFC, TYPE FC-2 MOD
NO		NO			NO		MI	FT	TONS	TONS
I-5016 (42397.3.ST1)				FROM MILE POST 99.8 TO MILE						
	Johnston	1	I-95 NB	POST 107.1	1	NO	7.3	29	370	6,150
	TOTAL FOR	MAP NO. 1					7.3		370	6,150
		2	1-95 SB	FROM MILE POST 99.8 TO MILE POST 107.1	1 .	NO	7.3	29	370	6,150
	TOTAL FOR	MAP NO. 2					7.3		370	6,150
TOTAL F	OR PROJ NO), I-5016 (4239	7.3.ST1)				14.6		740	12,300
	GRAND	TOTAL		1			14.6		740	12,300

THERMOPLASTIC AND PAINT QUANTITIES

				1				1 1 0	→ IA F	, , ,	7 1 17 1	w c	<i>,</i> ~ 11							
	1		T		4400000000-E	4405000000-E	4415000000-N	4420000000-N	4430000000-N	4480000000-	4725000000-E	48100	00000-E	48470	00000-E	484710	0000-E	4847120000-E	4847140000-E	4905000000
PROJECT	COUNTY	MAP.	ROUTE	DESCRIPTION		PORTABLE WORK ZONE SIGN		CHANGABLE MESSAGE SIGN	DRUMS	TMIA	THERMO STR ARROW 90 M	4" WHITE PAINT	4" YELLOW PAINT		4" YELLOW POLYUREA			12" WHITE POLYUREA	24" WHITE POLYUREA	SNOW PLOWABL MARKERS
NO		NO	l		SF	SF	EA	EA	EA	EA	EA	LF	LF	LF	LF	LF	LF	LF	LF	EA
I-5016				FROM MILE POST 99.8 TO MILE																
(42397.3.ST1)	Johnston	1	I-95 NB	POST 107.1	200	200	1	4	100	1	12			<u> </u>		48,220	38,575	5,590		650
TO	TAL FOR N	IAP NO. 1			200	200	1	4	100	1	12				<u> </u>	48,220	38,575	5,590		650
				FROM MILE POST 99.8 TO MILE									1							050
		2	I-95 SB	POST 107.1	200	200	1	4	100	1 1	12		ļ		ļ	48,220	38,575	5,590		650
TO	TAL FOR N				200	200	11	4	100	11	12		ļ	ļ		48,220	38,575	5,590		650
			EXIT 101	RAMPS		<u> </u>	<u> </u>	<u> </u>			8			3,150	6,235		<u> </u>		100	
TOTA	AL FOR MA										8			3,150	6,235				100	
	1	7,8,9,10	EXIT 102	RAMPS	1						8			3,095	3,980				100	ļ
TOTA	L FOR MA				1	<u> </u>	<u> </u>				8			3,095	3,980				100	
		11,12,13,14	EXIT 105	RAMPS	1		<u> </u>				8	3,200	3,200	3,165	3,165				100	
TOTAL	FOR MAP	NO. 11121	314								8	3,200	3,200	3,165	3,165				100	
		15,16,17,18	EXIT 106	RAMPS				<u> </u>			8	1,000	1,000	4,545	4,545				100	
TOTAL	FOR MAP									<u> </u>	8	1,000	1,000	4,545	4,545				100	
		19,20,21,22	EXIT 107	RAMPS		l	L	L		<u> </u>	8		<u> </u>	5,570	5,570				100	
TOTAL	FOR MAP	NO. 19202	122					l			8		<u> </u>	5,570	5,570				100	
TOTAL FOR	PROJ NO	L-5048 (423)	97 3 ST1)		400	400	2	8	200	2	64	4,200	4,200	19,525	23,495	96,440	77,150	11,180	500	1,300
TOTAL FOR PROJ NO. I-5016 (42397.3.ST1)			<u> </u>	<u></u>	<u> </u>	<u> </u>	<u> </u>	l	<u> </u>		8	,400	43	,020	173	,590	<u> </u>	L	L	
		·			400	400	2	8	200	2	64	4,200	4,200	19,525	23,495	96,440	77,150	11,180	500	1,300
	GRAND T	UIAL			1	 	 	1	İ	†	1		400	1 42	020	177	500			





1. THIS DRAWING IS INTENDED TO SHOW THE CMS LOCATION AND MESSAGING REQUIRED FOR A WORK ZONE "VARIABLE SPEED LIMIT" REDUCTION ON A FREEWAY WHICH IS TO BE REDUCED

THE EXISTING POSTED SPEED LIMIT

ACTIVE WORK AREA

- 2. EACH DIRECTION OF THE PROJECT IS TO BE EVALUATED FOR THE "VARIABLE SPEED LIMIT" REDUCTION. THIS DRAWING INTENTIONALLY HAS 1 DIRECTION SIGNED AS A REMINDER TO CAREFULLY CONSIDER WHETHER BOTH DIRECTIONS OF THE PROJECT NEED TO HAVE THE SPEED
- 3. IN ADDITION, FOR ACTIVE WORK AREAS THAT EXCEED 1 MILE IN LENGTH, AN EVALUATION IS TO BE MADE TO DETERMINE IF ADDITIONAL CMS'S ARE NEEDED TO SUPPLEMENT THE INITIAL ONES. PORTABLE MOUNTED W3-5 SIGNS WITH SPEED PENALTY SIGNS ARE TO BE PLACED ALONG ENTRANCE RAMPS LOCATED WITHIN THE ACTIVE WORK AREA.
- 4. THE \$250 SPEEDING PENALTY APPLIES FOR ALL PROJECTS THAT QUALIFY FOR A "VARIABLE SPEED LIMIT" REDUCTION.
- 5. THE "VARIABLE SPEED LIMIT" REDUCTION IS ONLY IN EFFECT WHEN WORKERS ARE PRESENT. THE SPEED LIMIT AND SPEED PENALTY MESSAGES ARE TO BE REMOVED AND THE SIGNS ARE TO BE TURNED OFF OR OTHER PERTINENT MESSAGING MAY BE DISPLAYED. AT THE COMPLETION OF THE ACTIVITY, THE REGIONAL TRAFFIC ENGINEER SHALL BE NOTIFIED BY THE RESIDENT ENGINEER TO RESCIND THE ORDINANCE.
- 6. WHEN "VARIABLE SPEED LIMIT" REDUCTIONS ARE IN EFFECT, THE CONTRACTOR IS TO COVER ANY ANY EXISTING SPEED LIMIT SIGNS LOCATED WITHIN THE ACTIVE WORK AREA THAT CONFLICT WITH THE "VARIABLE SPEED LIMIT" REDUCTION.

DWG. BY: SK

ESIGN BY: SK

APPROVED:

SEAL

THE ACTIVITY MUST FIRST BE EVALUATED BY THE REGIONAL TRAFFIC ENGINEER UTILIZING THE APPROVED GUIDELINES BEFORE ANY "VARIABLE SPEED LIMIT" REDUCTIONS AS SHOWN ON THIS DRAWING ARE INSTALLED.

THE "VARIABLE SPEED LIMIT" REDUCTION MUST ORDINANCED AND SIGNED BY THE STATE TRAFFIC ENGINEER BEFORE ANY CMS IS USED FOR REDUCING THE SPEED LIMIT.