

ITEM 614, MAINTAINING TRAFFIC

A MINIMUM OF 1-LANE OF TRAFFIC IN EACH DIRECTION SHALL BE MAINTAINED AT ALL TIMES ON **S.R. 204** AND **S.R. 204A** BY USE OF THE EXISTING PAVEMENT AND STANDARD DRAWINGS LISTED ON THE TITLE SHEET.

TWO-WAY TRAFFIC SHALL BE MAINTAINED AT ALL TIMES EXCEPT THAT ONE-WAY TRAFFIC WILL BE PERMITTED FOR MINIMUM PERIODS OF TIME CONSISTENT WITH THE REQUIREMENTS OF THE SPECIFICATIONS FOR PROTECTION OF COMPLETED ASPHALT CONCRETE COURSES INCLUDING REPAIRS.

AT NO TIME SHALL TRAFFIC BE MAINTAINED ON THE PLANED SURFACE, AT LEAST ONE COURSE OF ASPHALT CONCRETE SHALL BE IN PLACE BEFORE OPENING TO TRAFFIC. THIS RULE DOES NOT APPLY TO PLANING AT BRIDGES OR ACROSS BRIDGES UNLESS THE BRIDGE IS BEING TREATED THE SAME AS THE ROADWAY.

LENGTH AND DURATION OF LANE CLOSURES AND RESTRICTIONS SHALL BE AT THE APPROVAL OF THE ENGINEER. THE MAXIMUM LANE CLOSURE LENGTH SHALL BE PER MT-97.12 EXCEPT BETWEEN **S.R. 256 (SLM 0.00)** AND **FAI-204-0346 BRIDGE** WHERE THE MAX CLOSURE LENGTH SHALL BE ONE MILE AND DURATION SHALL BE BETWEEN THE HOURS OF 7:00 A.M. AND 3:30 P.M.

IT IS THE INTENT TO MINIMIZE THE IMPACT TO THE TRAVELING PUBLIC. LANE CLOSURES OR RESTRICTIONS OVER SEGMENTS OF THE PROJECT, IN WHICH NO WORK IS ANTICIPATED WITHIN A REASONABLE TIME FRAME, AS DETERMINED BY THE ENGINEER, SHALL NOT BE PERMITTED. THE LEVEL OF UTILIZATION OF MAINTENANCE OF TRAFFIC DEVICES SHALL BE COMMENSURATE WITH THE WORK IN PROGRESS.

ALL WORK AND TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH CMS 614 AND OTHER APPLICABLE PORTIONS OF THE SPECIFICATIONS, AS WELL AS THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. PAYMENT FOR ALL LABOR, EQUIPMENT AND MATERIALS SHALL BE INCLUDED IN THE LUMP SUM CONTRACT PRICE FOR ITEM 614, MAINTAINING TRAFFIC, UNLESS SEPARATELY ITEMIZED IN THE PLAN.

SOUTHBOUND HARMON RD. CLOSURE

THE CLOSURE OF SOUTHBOUND HARMON RD. (T.R. 221) FROM S.R. 204 WILL BE REQUIRED FOR INSTALLATION OF A RIGHT TURN LANE. TRAFFIC SHALL BE DETOURED AS SHOWN ON **SHEET 38**. AN INCENTIVE/DISINCENTIVE WILL BE APPLIED TO THIS WORK AS SHOWN IN THE TABLE BELOW.

INCENTIVE/ DISINCENTIVE CONTRACT TABLE

CRITICAL WORK - TIME WHEN ROAD MAY BE CLOSED	SOUTHBOUND HARMON RD. (T.R. 221)
DAYS	14
INCENTIVE/ DISINCENTIVE PER DAY	\$900
MAXIMUM INCENTIVE	\$4,500

INTERIM COMPLETION DATE

ALL RESURFACING AND RELATED WORK (EXTRA AREAS, COMPACTED AGGREGATE, RPM'S, AND FINAL MARKINGS) FROM **FAI-204-0346 BRIDGE** TO END OF PROJECT **SLM 11.16 (S.R. 158)** SHALL BE COMPLETED BY **OCTOBER 15TH, 2020**.

NOTIFICATION OF ROAD CLOSURE OR RESTRICTION

THE CONTRACTOR WILL ADVISE THE PROJECT ENGINEER A MINIMUM OF TWENTY ONE (21) DAYS PRIOR TO THE FOLLOWING: THE START OF CONSTRUCTION ACTIVITIES, LANE RESTRICTIONS, LANE CLOSURES, AND OR ROAD CLOSURES. THE PROJECT ENGINEER WILL FORWARD THIS INFORMATION TO THE FOLLOWING:

DISTRICT PUBLIC INFORMATION OFFICER (PIO) BY FAX AT (614) 887-4510 OR EMAIL AT D05.PIO@DOT.STATE.OH.US

DISTRICT PERMIT SECTION BY FAX AT (614) 887-4525 OR EMAIL AT BRIAN.BOSCH@DOT.STATE.OH.US

CENTRAL OFFICE SPECIAL HAUL PERMITS SECTION BY FAX AT (614) 728-4099 OR EMAIL AT HAULING.PERMITS@DOT.STATE.OH.US

THE PIO WILL, IN TURN, NOTIFY THE PUBLIC, THE LOCAL EMERGENCY SERVICES, AFFECTED SCHOOLS AND BUSINESSES, AND ANY OTHER IMPACTED LOCAL PUBLIC AGENCY OF ANY OF THE ABOVE MENTIONED ITEMS, VIA MEDIA SOURCES.

BUTT JOINT

A BUTT JOINT WILL BE REQUIRED AT THE LOCATIONS SPECIFIED BELOW AND PER STANDARD DRAWING **BP-3.1** UNLESS OTHERWISE SHOWN IN THE PLANS.

THE MINIMUM ASPHALT WEDGE LENGTH AT BUTT JOINTS SHALL BE 10'. THE GRINDING FOR BUTT JOINTS SHALL BE INCLUDED WITH ITEM 254, PAVEMENT PLANING, ASPHALT CONCRETE.

LOC.	ROUTE	DESCRIPTION	S.L.M.	ITEM 614 ASPHALT CONCRETE FOR MAINTAINING TRAFFIC CU. YD.
1A	S.R. 204	BEGIN WORK	0.00	2.2
		LOCATION 1A TOTAL		3.0
1B	S.R. 204	FAI-204-0346	3.46	2.2
		LOCATION 1B TOTAL		3.0
1C	S.R. 204	END WORK	11.16	1.1
		LOCATION 1C TOTAL		2.0
2	S.R. 204A	BEGIN WORK	0.00	0.8
		END WORK	0.49	1.4
		LOCATION 2 TOTAL		3.0

DROPOFFS IN WORK ZONES

DROPOFFS THAT DEVELOP DURING CONSTRUCTION OPERATIONS AND THAT ARE NOT OTHERWISE PROVIDED FOR IN THE PLANS SHALL BE TREATED AS SHOWN ON STANDARD DRAWING **MT-101.90**. WHERE THE PLANS DO NOT PROVIDE SPECIFIC ITEMS FOR LABOR, EQUIPMENT, OR MATERIALS TO IMPLEMENT THE DROP-OFF TREATMENTS SPECIFIED, THEY SHALL BE INCLUDED FOR PAYMENT IN THE **LUMP SUM** BID FOR **ITEM 614, MAINTAINING TRAFFIC**.

ITEM 614, WORK ZONE PAVEMENT MARKINGS

THE CONTRACTOR SHALL PLACE ALL WORK ZONE PAVEMENT MARKINGS IN ACCORDANCE WITH **CMS 614.11** AND STANDARD DRAWING **MT-99.20** UNLESS OTHERWISE DIRECTED BY THE ENGINEER. THE QUANTITIES BELOW ARE FOR PLACEMENT OF TEMPORARY MARKINGS ON THE SURFACE AND INTERMEDIATE COURSES.

ITEM 614, WORK ZONE LANE LINE, CLASS I, 4", 642 PAINT (INTERMEDIATE)
LOCATION 1A: 0.60 MILE

ITEM 614, WORK ZONE LANE LINE, CLASS III, 4", 642 PAINT (SURFACE)
LOCATION 1A: 0.60 MILE

ITEM 614, WORK ZONE CENTER LINE, CLASS I, 642 PAINT (INTERMEDIATE)
LOCATION 1A: 0.56 MILE
LOCATION 1B: 7.01 MILE
LOCATION 1C: 4.65 MILE
LOCATION 2: 0.16 MILE

ITEM 614, WORK ZONE CENTER LINE, CLASS III, 642 PAINT (SURFACE)
LOCATION 1A: 0.56 MILE
LOCATION 1B: 7.01 MILE
LOCATION 1C: 4.65 MILE
LOCATION 2: 0.16 MILE

ITEM 614, WORK ZONE CHANNELIZING LINE, CLASS I, 8", 642 PAINT (INTERMEDIATE)
LOCATION 1A: 1,738 FT
LOCATION 1B: 860 FT
LOCATION 2: 660 FT

ITEM 614, WORK ZONE CHANNELIZING LINE, CLASS III, 8", 642 PAINT (SURFACE)
LOCATION 1A: 1,738 FT
LOCATION 1B: 860 FT
LOCATION 2: 660 FT

ITEM 614, WORK ZONE STOP LINE, CLASS I, 642 PAINT (INTERMEDIATE)
LOCATION 1A: 168 FT
LOCATION 1B: 132 FT
LOCATION 1C: 32 FT
LOCATION 2: 40 FT

ITEM 614, WORK ZONE STOP LINE, CLASS III, 642 PAINT (SURFACE)
LOCATION 1A: 168 FT
LOCATION 1B: 132 FT
LOCATION 1C: 32 FT
LOCATION 2: 40 FT

COOPERATION BETWEEN CONTRACTORS

THE STATE OF OHIO HAS CONTRACTED PROJECT **FAI-204-3.46/4.32 PID 96015** WHICH MAY BE CONSTRUCTED CONCURRENTLY WITH THIS PROJECT. IT IS IMPERATIVE THAT THE CONTRACTORS COOPERATE FULLY WITH EACH OTHER AS OUTLINED IN SECTION 105.08 OF THE CMS MANUAL. ALL MAINTENANCE OF TRAFFIC SHALL BE COORDINATED BETWEEN PROJECTS AND NOT CONFLICT WITH ONE ANOTHER.

S.R. 204 WILL BE CLOSED AT TOLL GATE RD. FOR COMPLETION OF BRIDGE FAI-204-0346 UNTIL AUGUST 15TH, 2020.

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EDGE/LANE LINE DATA														
L O C A T I O N	C O U N T Y	R O U T E	S.L.M.		T O T A L L E N G T H M I L E S	I N F O R M A T I O N O N L Y						644		R E M A R K S
			F R O M	T O		W H I T E E D G E L I N E Q U A N T I T I E S			Y E L L O W E D G E L I N E Q U A N T I T I E S			E D G E L I N E, 6"	L A N E L I N E, 6"	
						T O T A L M I L E S	H I G H W A Y M I L E S	R A M P M I L E S	T O T A L M I L E S	H I G H W A Y M I L E S	R A M P M I L E S			
1A	FAI	S.R. 204 E.B.	0.00	0.31	0.31								0.31	SEE SHEETS 18-19 FOR DETAILS
		S.R. 204 W.B.	0.07	0.36	0.29								0.29	
LOCATION 1A (TOTAL CARRIED TO SUB-SUMMARY)													0.60	
1B	FAI	S.R. 204	0.40	6.93	6.53	13.18	13.06					13.18		0.12 MILE ADDED FOR HARMON, MILNOR, WAGRAM, AND PICKERINGTON RD.
LOCATION 1B (TOTAL CARRIED TO SUB-SUMMARY)												13.18		
1C	FAI	S.R. 204	6.93	11.16	4.23	8.46	8.46					8.46		
LOCATION 1C (TOTAL CARRIED TO SUB-SUMMARY)												8.46		
2	FAI	S.R. 204A	0.00	0.24	0.24	0.24		0.24	0.24		0.24	0.48		
			0.24	0.35	0.11	0.22	0.22		0.22	0.22		0.44		
			0.35	0.49	0.14	0.28	0.28					0.28		
LOCATION 2 (TOTAL CARRIED TO SUB-SUMMARY)											1.20			

CALCULATED
PTB
CHECKED
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PAVEMENT MARKING DATA (EDGE / LANE LINE)

FAI-204 / 204A -
0.00 / 0.00

CENTER LINE DATA											
L O C A T I O N	C O U N T Y	R O U T E	S.L.M.		T O T A L L E N G T H	I N F O R M A T I O N O N L Y		620	620	644	R E M A R K S
			F R O M	T O		C E N T E R L I N E Q U A N T I T I E S	D E L I N E A T O R M I S C ., R A I S E D C U R B C H A N N E L I Z I N G S Y S T E M R E M O V A L	D E L I N E A T O R M I S C ., R A I S E D C U R B C H A N N E L I Z I N G S Y S T E M	C E N T E R L I N E		
					M I L E S					T O T A L M I L E S	
1A	FAI	S.R. 204	0.00	0.36	0.36	0.56	1.120			0.56	0.20 MILE ADDED FOR TRANSVERSE AREAS AND HUNTER RUN
LOCATION 1A (TOTAL CARRIED TO SUB-SUMMARY)										0.56	
1B	FAI	S.R. 204	0.36	6.93	6.57	7.01	10.085			7.01	0.42 MILE ADDED FOR TRANS. AREAS AND PICKERINGTON RD.
LOCATION 1B (TOTAL CARRIED TO SUB-SUMMARY)										7.01	
1C	FAI	S.R. 204	6.93	11.16	4.23	4.23	5.709			4.23	
LOCATION 1C (TOTAL CARRIED TO SUB-SUMMARY)										4.23	
2	FAI	S.R. 204A	0.25	0.26	0.01	0.02	0.020			0.02	0.01 MILE ADDED FOR TRANSVERSE AREAS
			0.35	0.49	0.14	0.14	0.280	640	640	0.14	
LOCATION 2 (TOTAL CARRIED TO SUB-SUMMARY)								640	640	0.16	

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LOCATION 1C SHEET TOTALS												ITEM	ITEM EXT.	GRAND TOTAL	UNIT	DESCRIPTION	
2	3	4	5	8	9	11	12	14	15	17	25						
ROADWAY																	
	100					1,332	917					202	23500	2,349	SY	WEARING COURSE REMOVED	
					8.41							209	72051	8.41	MILE	PREPARING SUBGRADE FOR SHOULDER PAVING, AS PER PLAN	
PAVEMENT																	
50												253	02000	50	CY	PAVEMENT REPAIR	
	690				54,194							254	01000	54,884	SY	PAVEMENT PLANING, ASPHALT CONCRETE , 1.25"	
	640				877	294						254	01000	1,811	SY	PAVEMENT PLANING, ASPHALT CONCRETE , 2.25"	
					7,137	39	107	74				407	20000	7,357	GAL	NON-TRACKING TACK COAT	
												408	10001	3,932	GAL	PRIME COAT, AS PER PLAN	
												441	50000	47	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22	
	51				1,907	70						441	50100	2,060	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG70-22M	
	18				1,526	9						441	50200	1,553	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, (448)	
												617	10101	544	CY	COMPACTED AGGREGATE, AS PER PLAN	
TRAFFIC CONTROL																	
												327	621	00100	327	EACH	RPM
												327	621	54000	327	EACH	RAISED PAVEMENT MARKER REMOVED
												8.46	644	00104	8.46	MILE	EDGE LINE, 6"
												4.23	644	00300	4.23	MILE	CENTER LINE
												160	644	00500	160	FT	STOP LINE
MAINTENANCE OF TRAFFIC																	
				32								614	12460	32	EACH	WORK ZONE MARKING SIGN	
			2									614	13000	2	CY	ASPHALT CONCRETE FOR MAINTAINING TRAFFIC	
			4.65									614	21100	4.65	MILE	WORK ZONE CENTER LINE, CLASS I, 642 PAINT	
			4.65									614	21550	4.65	MILE	WORK ZONE CENTER LINE, CLASS III, 642 PAINT	
			32									614	26200	32	FT	WORK ZONE STOP LINE, CLASS I, 642 PAINT	
			32									614	26610	32	FT	WORK ZONE STOP LINE, CLASS III, 642 PAINT	

CALCULATED PTB CHECKED JSL
LOCATION 1C SUB-SUMMARY
FAI-204 / 204A - 0.00 / 0.00
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LOCATION 2 SHEET TOTALS									ITEM	ITEM EXT.	GRAND TOTAL	UNIT	DESCRIPTION
2	4	8	9	11	14	15	17	25					
				135					202	23500	135	SY	ROADWAY WEARING COURSE REMOVED
													DRAINAGE
2									611	98630	2	EACH	CATCH BASIN ADJUSTED TO GRADE
1									611	99654	1	EACH	MANHOLE ADJUSTED TO GRADE
													PAVEMENT
10									253	02000	10	CY	PAVEMENT REPAIR
		7,012	2,863						254	01000	9,875	SY	PAVEMENT PLANING, ASPHALT CONCRETE , 2.25"
		912	358	11					407	20000	1,281	GAL	NON-TRACKING TACK COAT
			226						408	10001	226	GAL	PRIME COAT, AS PER PLAN
				5					441	50000	5	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22
		244	100						441	50100	344	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG70-22M
		195	80						441	50200	275	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, (448)
			16						617	10101	16	CY	COMPACTED AGGREGATE, AS PER PLAN
													TRAFFIC CONTROL
						640			620	70010	640	FT	DELINEATOR, MISC.: RAISED CURB CHANNELIZING SYSTEM REMOVAL
						640			620	70010	640	FT	DELINEATOR, MISC.: RAISED CURB CHANNELIZING SYSTEM
								58	621	00100	58	EACH	RPM
								50	621	54000	50	EACH	RAISED PAVEMENT MARKER REMOVED
				1.20					644	00104	1.20	MILE	EDGE LINE, 6"
					0.16				644	00300	0.16	MILE	CENTER LINE
							660		644	00400	660	FT	CHANNELIZING LINE, 8"
							40		644	00500	40	FT	STOP LINE
							80		644	00700	80	FT	TRANSVERSE/DIAGONAL LINE
							8		644	01300	8	EACH	LANE ARROW
							2		644	01360	2	EACH	WRONG WAY ARROW
							2		644	01410	2	EACH	WORD ON PAVEMENT, 96"
													MAINTENANCE OF TRAFFIC
	3								614	13000	3	CY	ASPHALT CONCRETE FOR MAINTAINING TRAFFIC
	0.16								614	21100	0.16	MILE	WORK ZONE CENTER LINE, CLASS I, 642 PAINT
	0.16								614	21550	0.16	MILE	WORK ZONE CENTER LINE, CLASS III, 642 PAINT
	660								614	23200	660	FT	WORK ZONE CHANNELIZING LINE, CLASS I, 8", 642 PAINT
	660								614	23680	660	FT	WORK ZONE CHANNELIZING LINE, CLASS III, 8", 642 PAINT
	40								614	26200	40	FT	WORK ZONE STOP LINE, CLASS I, 642 PAINT
	40								614	26610	40	FT	WORK ZONE STOP LINE, CLASS III, 642 PAINT

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LOCATION 2 SUB-SUMMARY

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LOCATION SUB TOTALS					PLAN SPLITS				ITEM	ITEM EXT.	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET
1A	1B	1B (HARMON)	1C	2	01/S>2/PV/PICK (1A)	02/S>2/PV (1B, 2)	03/STR/PV (1C)	04/S>2/OT (SIGNAL)						
WATER WORK														
		1				1			638	10481	1	EACH	FIRE HYDRANT REMOVED, AS PER PLAN	36
	5					5			638	10800	5	EACH	VALVE BOX ADJUSTED TO GRADE	
		1				1			638	10801	1	EACH	VALVE BOX ADJUSTED TO GRADE, AS PER PLAN	36
TRAFFIC CONTROL														
				640		640			620	70010	640	FT	DELINEATOR, MISC.: RAISED CURB CHANNELIZING SYSTEM REMOVAL	3
				640		640			620	70010	640	FT	DELINEATOR, MISC.: RAISED CURB CHANNELIZING SYSTEM	3
132	656		327	58	132	714	327		621	00100	1,173	EACH	RPM	
132	528		327	50	132	578	327		621	54000	1,037	EACH	RAISED PAVEMENT MARKER REMOVED	
		50				50			630	03100	50	EACH	GROUND MOUNTED SUPPORT, NO. 3 POST	
		2						2	630	79000	2	EACH	SIGN HANGER ASSEMBLY, SPAN WIRE	
		38				28		10	630	80100	38	SF	SIGN, FLAT SHEET	
		4				4			630	84900	4	EACH	REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL	
		4				4			630	86002	4	EACH	REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL	
	13.18	8.46	1.20			14.38	8.46		644	00104	22.84	MILE	EDGE LINE, 6"	
0.60						0.60			644	00204	0.60	MILE	LANE LINE, 6"	
0.56	7.01	4.23	0.16			7.17	4.23		644	00300	11.96	MILE	CENTER LINE	
1,755	860			660		1,755	1,520		644	00400	3,275	FT	CHANNELIZING LINE, 8"	
230	785		160	40	230	825	160		644	00500	1,215	FT	STOP LINE	
380	160				380	160			644	00600	540	FT	CROSSWALK LINE	
351	806			80	351	886			644	00700	1,237	FT	TRANSVERSE/DIAGONAL LINE	
40	13			8	40	21			644	01300	61	EACH	LANE ARROW	
				2		2			644	01360	2	EACH	WRONG WAY ARROW	
11					11				644	01400	11	EACH	WORD ON PAVEMENT, 72"	
	3			2		5			644	01410	5	EACH	WORD ON PAVEMENT, 96"	
170					170				644	01510	170	EACH	DOTTED LINE, 6"	
	21					21			644	20800	21	FT	YIELD LINE	
TRAFFIC SIGNALS														
		2						2	625	00450	2	EACH	CONNECTION, FUSED PULL APART	
		2						2	625	00460	2	EACH	CONNECTION, UNFUSED PULL APART	
		3						3	625	18510	3	EACH	BRACKET ARM, 30'	
		12						12	625	25602	12	FT	CONDUIT, 4", 725.05	
		2						2	625	26253	2	EACH	LUMINAIRE, CONVENTIONAL, SOLID STATE (LED), AS PER PLAN (150W, 120V, TYPE II)	50
		12						12	625	29002	12	FT	TRENCH, 24" DEEP	
		1						1	625	30706	1	EACH	PULL BOX, 725.08, 24"	
		5						5	625	32000	5	EACH	GROUND ROD	
		9						9	632	05007	9	EACH	VEHICULAR SIGNAL HEAD, (LED), 3-SECTION, 12" LENS, 1-WAY, POLYCARBONATE, AS PER PLAN	51
		1						1	632	05087	1	EACH	VEHICULAR SIGNAL HEAD, (LED), 5-SECTION, 12" LENS, 1-WAY, POLYCARBONATE, AS PER PLAN	51
		10						10	632	25000	10	EACH	COVERING OF VEHICULAR SIGNAL HEAD	
15					15				632	26501	15	EACH	DETECTOR LOOP, AS PER PLAN	3
		465						465	632	30300	465	FT	MESSANGER WIRE, 7 STRAND, 7/16" DIAMETER WITH ACCESSORIES	
		465						465	632	30600	465	FT	TETHER WIRE, WITH ACCESSORIES	

CALCULATED
PTB
CHECKED
JSL

GENERAL SUMMARY

**FAI-204 / 204A -
0.00 / 0.00**

