MAINTENANCE OF TRAFFIC

THIS ITEM SHALL CONSIST OF MAINTENANCE OF TRAFFIC ON EXISTING ROADWAYS AND RAMPS IN ACCORDANCE WITH THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS, CURRENT EDITION, LATEST REVISION, THE SPECIFICATIONS AND THE FOLLOWING:

1. A MINIMUM OF ONE TEN FOOT LANE BIDIRECTIONAL SHALL BE MAINTAINED ON THE EXISTING PAVEMENT OR COMPLETED PAVEMENT DURING CONSTRUCTION OF THE WORK.

2. THE CONTRACTOR SHALL INFORM THE DISTRICT OFFICE (330) 786-2208, EIGHTEEN (18) DAYS PRIOR TO THE BEGINNING OF WORK.

3. LANE RESTRICTIONS OR LANE REDUCTIONS SHALL NOT BE PERMITTED AFTER NORMAL WORKING HOURS. NORMAL WORKING HOURS SHALL BE THOSE HOURS DURING WHICH THE CONTRACTOR HAS A FULL COMPLEMENT OF EMPLOYEES AND EQUIPMENT ACTIVELY REMOVING AND/OR PLACING PAVEMENT MATERIALS.

4. ALL FULL DEPTH PAVEMENT REMOVAL AND REPLACEMENT OPERATIONS SHALL BE COMPLETED THE SAME DAY THE EXCAVATION IS MADE. IF THE CONTRACTOR CANNOT COMPLETE THE WORK, THE EXCAVATION SHALL BE BACKFILLED OR PROTECTED AS PER STANDARD CONSTRUCTION DRAWING MT-101.90.

5. TRUCK MOUNTED ATTENUATORS [TMA'S] SHALL BE USED AS SHOWN IN THE STANDARD CONSTRUCTION DRAWINGS.

6. UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR BE PERMITTED TO HAVE SUCCESSIVE WORK ZONES UNLESS THE DISTANCE BETWEEN THE DRUMS, BARRICADES OR CONES EXCEEDS TWO (2) MILES.

7. IN ADDITION TO THE REQUIREMENTS OF 614.11 WORK ZONE PAVEMENT MARKINGS, AT THE END OF EACH DAY OF WORK, THE CONTRACTOR SHALL REPLACE (WITH WORK ZONE MARKINGS) ALL LANE, CENTER, STOP OR CHANNELIZING LINES THAT WERE REMOVED OR COVERED DURING THE PAVEMENT REMOVAL OR PLACEMENT OPERATIONS. QUANTITIES FOR SUCH PLACEMENT ARE CARRIED AS PART OF THE ITEMS LISTED UNDER 614 WORK ZONE PAVEMENT MARKINGS.

8. A QUANTITY OF 20 CU. YDS. OF ITEM 614 ASPHALT CONCRETE FOR MAINTAINING TRAFFIC SHALL BE PROVIDED FOR USE IN MAINTAINING PAVEMENT, SHOULDERS AND OTHER LOCATIONS AS DIRECTED BY THE ENGINEER.

9. PRIOR TO OPENING TO TRAFFIC EACH LANE SHALL BE IN A SAFE, PASSABLE CONDITION. ALL TRANSVERSE JOINTS SHALL EXTEND ACROSS THE FULL LANE AND SHOULDER WIDTH AND EACH LANE SHALL BE FREE FROM UNEVEN LONGITUDINAL JOINTS. THE CONTRACTOR SHALL PROVIDE ASPHALT WEDGES FOR TRANSVERSE JOINTS WHEREVER THERE ARE PAVEMENT ELEVATION DIFFERENCES.

10. THE CONTRACTOR SHALL PLACE THE SIGNS: W8-1 [BUMP] PER OMUTCD 2C.28; W8-11 [UNEVEN LANES] PER OMUCTD 6F.45; AND W6-3 [TWO-WAY TRAFFIC] PER OMUTCD 6F.32. PAYMENT FOR THESE SIGNS SHALL BE INCIDENTAL TO THE LUMP SUM ITEM 614-MAINTAINING TRAFFIC. A QUANTITY OF ITEM 614 WORK ZONE MARKING SIGNS HAS BEEN INCLUDED IN THE PLANS PER CMS 614.04.

11. THE CONTRACTOR SHALL SET A WORK ZONE AT THE REQUEST OF THE ENGINEER TO ALLOW THE LAYOUT OF THE PARTIAL/FULL DEPTH PAVEMENT REPAIR AREAS. THIS WORK IS INCIDENTAL TO ITEM 614 MAINTAINING TRAFFIC.

THE FOLLOWING QUANTITIES SHALL BE USED FOR THE MAINTENANCE OF TRAFFIC ON THIS PROJECT:

614, WORK ZONE EDGE LINE, CLASS 1, 25.62 MILE
614, WORK ZONE CENTER LINE, CLASS 1, 12.81 MILE
614, WORK ZONE STOP LINE, CLASS 1, 246 FT
614, WORK ZONE MARKING SIGN (ALL PHASES), 13 EACH

614, WORK ZONE CENTER LINE, CLASS III, 12.81 MILE
614, WORK ZONE STOP LINE, CLASS III, 642 PAINT, 246 FT

TO BE USED AS DIRECTED BY THE ENGINEER
614, WORK ZONE EDGE LINE, CLASS III, 25.62 MILE

ALL WORK AND TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH C&MS 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.

ADVANCED NOTICE TO PAVE

THE CONTRACTOR SHALL SUBMIT FOR APPROVAL TO THE DISTRICT CONSTRUCTION ENGINEER A DETAILED SCHEDULE 15 DAYS PRIOR TO THE PLACEMENT OF THE OVERLAY COURSES, ON HOW THEY PROPOSE TO PROSECUTE THE PAVING OPERATIONS. THE DETAILS SHALL SHOW THE ORDER OF PERFORMANCE OF EACH STAGE (START TO FINISH) OF THE WORK INCLUDING THE MAINTENANCE OF TRAFFIC THAT WILL BE USED.

TIME LIMITATION, TRAFFIC ON A MILLED SURFACE

THE MAXIMUM ALLOWABLE TIME FOR TRAFFIC TO BE PLACED ON A MILLED SURFACE SHALL BE 7 CONSECUTIVE CALENDAR DAYS. SHOULD THE CONTRACTOR FAIL TO MEET THIS REQUIREMENT, THE CONTRACTOR SHALL BE ASSESSED A DISINCENTIVE IN THE AMOUNT OF $3000 PER DAY THAT THE TRAFFIC IS PLACED ON A MILLED SURFACE BEYOND THE SPECIFIED LIMIT.

PLACEMENT OF ASPHALT CONCRETE

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.

LANE CLOSURES

DURATION OF LANE CLOSURES AND RESTRICTIONS SHALL BE AS PER THE PERMITTED LANE CLOSURE CHART WITH THE EXCEPTION OF THE APPROVED MAINTENANCE OF TRAFFIC POLICY EXCEPTION, SEE SHEET 7. THE PERMITED LANE CLOSURE CHART USED FOR THIS PROJECT SHALL BE THE MOST CURRENT CHART AVAILABLE ON THE DATE THIS PROJECT SELLS.

THE CHART CAN BE FOUND AT:
http://plcm.dot.state.oh.us

SHOULD THE CONTRACTOR FAIL TO MEET ANY OF THE REQUIREMENTS IN THE CHART, THE CONTRACTOR SHALL BE ASSESSED DISINCENTIVES IN THE AMOUNT OF $2000 PER HOUR OR PORTION THEREOF THAT THE LANE REDUCTION REMAINS BEYOND THE SPECIFIED LIMIT. DOES NOT APPLY FOR BRIDGE JOINT WORK.

NOTIFICATION OF TRAFFIC RESTRICTIONS

THROUGHOUT THE DURATION OF THE PROJECT, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IN WRITING OF ALL TRAFFIC RESTRICTIONS AND UPCOMING MAINTENANCE OF TRAFFIC CHANGES. THE CONTRACTOR SHALL ENSURE THE WRITTEN NOTIFICATION IS SUBMITTED IN A TIMELY MANNER TO ALLOW THE PROJECT ENGINEER TO MEET THE REQUIRED TIME FRAMES SET FORTH IN THE TABLE BELOW TO INFORM THE SPECIAL HAULING PERMITS SECTION (HAULING.PERMITS@DOT.OHIO.GOV) AND THE DISTRICT PUBLIC INFORMATION OFFICE (PIO). THIS NOTIFICATION SHALL BE RECEIVED BY THE PROJECT ENGINEER PRIOR TO THE PHYSICAL SETUP OF ANY APPLICABLE SIGNS OR MESSAGE BOARDS.

INFORMATION SHOULD INCLUDE, BUT IS NOT LIMITED TO, ALL CONSTRUCTION ACTIVITIES THAT IMPACT OR INTERFERE WITH TRAFFIC AND SHALL LIST THE SPECIFIC LOCATION, TYPE OF WORK, ROAD STATUS, DATE AND TIME OF RESTRICTION, DURATION OF RESTRICTION, NUMBER OF LANES MAINTAINED, NUMBER OF LANES CLOSED, MINIMUM VERTICAL CLEARANCE, MINIMUM WIDTH OF DRIVABLE PAVEMENT, DETOUR ROUTES, IF APPLICABLE, AND ANY OTHER INFORMATION REQUESTED BY THE PROJECT ENGINEER.

NOTIFICATION TIME TABLE

ITEM	DURATION OF CLOSURE	NOTICE DUE TO PERMITS & PID
ROAD & RAMP CLOSURES	>=2 WEEKS	21 CALENDAR DAYS PRIOR TO CLOSURE
	> 12 HOURS & < 2 WEEKS	14 CALENDAR DAYS PRIOR TO CLOSURE
	<12 HOURS	4 BUSINESS DAYS PRIOR TO CLOSURE
LANE CLOSURES & RESTRICTIONS	>=2 WEEKS	14 CALENDAR DAYS PRIOR TO CLOSURE
	< 2 WEEKS	5 BUSINESS DAYS PRIOR TO CLOSURE
START OF CONSTRUCTION & TRAFFIC PATTERNS CHANGES	N/A	14 CALENAR DAYS PRIOR TO IMPLEMENTATION

ANY UNFORESEEN CONDITIONS NOT SPECIFIED IN THE PLANS REQUIRING TRAFFIC RESTRICTIONS SHALL ALSO BE REPORTED TO THE PROJECT ENGINEER USING THE NOTIFICATION TIME TABLE.

ITEM 614 - LAW ENFORCEMENT OFFICER (WITH PATROL CAR) FOR ASSISTANCE DURING CONSTRUCTION OPERATIONS

USE OF LAW ENFORCEMENT OFFICERS (LEOS) BY CONTRACTORS OTHER THAN THE USES SPECIFIED BELOW WILL NOT BE PERMITTED AT PROJECT COST. LEOS SHOULD NOT BE USED WHERE THE OMUTCD INTENDS THAT FLAGGERS BE USED.

IN ADDITION TO THE REQUIREMENTS OF CMS 614 AND THE OMUTCD, A UNIFORMED LEO WITH AN OFFICIAL PATROL CAR (CAR WITH TOP-MOUNTED EMERGENCY FLASHING LIGHTS AND COMPLETE MARKINGS OF THE APPROPRIATE LAW ENFORCEMENT AGENCY) SHALL BE PROVIDED FOR THE FOLLOWING TRAFFIC CONTROL TASKS:

DURING THE ENTIRE ADVANCE PREPARATION AND CLOSURE SEQUENCE WHERE COMPLETE BLOCKAGE OF TRAFFIC IS REQUIRED.

FOR LANE CLOSURES: DURING INITIAL SET-UP PERIODS, TEAR DOWN PERIODS, SUBSTANTIAL SHIFTS OF A CLOSURE POINT OR WHEN NEW LANE CLOSURE ARRANGEMENTS ARE INITIATED FOR LONG-TERM LANE CLOSURES/SHIFTS (FOR THE FIRST AND LAST DAY OF MAJOR CHANGES IN TRAFFIC CONTROL SETUP).

LEOS SHOULD NOT FORGO THEIR TRAFFIC CONTROL RESPONSIBILITIES TO APPREHEND MOTORISTS FOR ROUTINE TRAFFIC VIOLATIONS. HOWEVER, IF A MOTORIST'S ACTIONS ARE CONSIDERED TO BE RECKLESS, THEN PURSUIT OF THE MOTORIST IS APPROPRIATE.

IN GENERAL LEOS SHOULD BE POSITIONED IN ADVANCE OF AND ON THE SAME SIDE AS THE LANE RESTRICTION OR AT THE POINT OF ROAD CLOSURE, AND TO MANUALLY CONTROL TRAFFIC MOVEMENTS THROUGH SIGNALIZED INTERSECTIONS IN WORK ZONE.

THE LEOS WORK AT THE DIRECTION OF THE ENGINEER. THE CONTRACTOR IS RESPONSIBLE FOR SECURING THE SERVICES OF THE LEOS WITH THE APPROPRIATE AGENCIES AND COMMUNICATING THE INTENTIONS OF THE PLANS WITH RESPECT TO DUTIES OF THE LEOS. THE ENGINEER SHALL HAVE FINAL CONTROL OVER THE LEOS' DUTIES AND PLACEMENT, AND WILL RESOLVE ANY ISSUES THAT MAY ARISE BETWEEN THE TWO PARTIES.

THE LEO SHALL REPORT IN TO THE CONTRACTOR PRIOR TO THE START OF THE SHIFT, IN ORDER TO RECEIVE INSTRUCTIONS REGARDING SPECIFIC WORK ASSIGNMENTS DURING HIS/HER SHIFT. THE LEO IS EXPECTED TO STAY AT THE PROJECT SITE FOR THE ENTIRE DURATION OF HIS/HER SHIFT. THE LEO SHALL REPORT TO THE CONTRACTOR AT THE END OF HIS/HER SHIFT. ONCE THE LEO HAS COMPLETED THE DUTIES DESCRIBED ABOVE AND STILL HAS TIME REMAINING ON HIS/HER SHIFT, THE LEO MAY BE ASKED TO PATROL THROUGH THE WORK ZONE (WITH FLASHING LIGHTS OFF) OR BE PLACED AT A LOCATION TO DETER MOTORISTS FROM SPEEDING. SHOULD IT BE NECESSARY TO LEAVE THE PROJECT SITE, THE LEO SHALL NOTIFY THE ENGINEER.

MAINTENANCE OF TRAFFIC

DESIGN AGENCY

DESIGNER JRF
REVIEWER MJA 09-01-22
PROJECT ID 110680
SHEET P.7 TOTAL 23

MAH-165/534-5.46/3.02

MODEL: Sheet PAPERSIZE: 17x11 (in.) DATE: 1/17/2023 TIME: 7:55:45 AM USER: jfitzsim
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SHEET NUM.										PART				ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
4	5	7	8		11	12	13	14	16	01/STR/05	02/NHS/47	03/STR/47	04/STR/04						
																		ROADWAY	
42										42				203	10000	42	CY	EXCAVATION	
	403									403				209	60200	403	STA	LINEAR GRADING	
					44					44				209	72000	44	STA	PREPARING SUBGRADE FOR SHOULDER PAVING	
	10									10				623	39501	10	EACH	MONUMENT ASSEMBLY ADJUSTED TO GRADE, AS PER PLAN	5
																		EROSION CONTROL	
	22,391									22,391				659	10000	22,391	SY	SEEDING AND MULCHING	
	3.03									3.03				659	20000	3.03	TON	COMMERCIAL FERTILIZER	
	4.62									4.62				659	31000	4.62	ACRE	LIME	
	120.9									120.9				659	35000	120.9	MGAL	WATER	
										3,000				832	30000	3,000	EACH	EROSION CONTROL	
																		DRAINAGE	
	2									2				611	99655	2	EACH	MANHOLE ADJUSTED TO GRADE, AS PER PLAN	5
																		PAVEMENT	
3,200										3,200				251	01000	3,200	SY	PARTIAL DEPTH PAVEMENT REPAIR (441)	
250										250				253	01000	250	SY	PAVEMENT REPAIR	
					183,756					183,756				254	01000	183,756	SY	PAVEMENT PLANING, ASPHALT CONCRETE (T=1 1/2")	
					2,253					2,253				254	01000	2,253	SY	PAVEMENT PLANING, ASPHALT CONCRETE (T=3")	
42										42				304	20000	42	CY	AGGREGATE BASE	
					16,849					16,849				407	20000	16,849	GAL	NON-TRACKING TACK COAT	
					12,010					12,010				408	10001	12,010	GAL	PRIME COAT, AS PER PLAN @0.4 GAL/SY	5
					7,758					7,758				441	50101	7,758	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), AS PER PLAN, PG70-22M	5
					104					104				441	70101	104	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), AS PER PLAN, PG70-22M	5
					368					368				441	70300	368	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (449)	
					94					94				442	22350	94	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, 12.5 MM, TYPE B (449) (T=1 1/2")	
					1,668					1,668				617	10101	1,668	CY	COMPACTED AGGREGATE, AS PER PLAN (T=2")	4
	0.21									0.21				618	41000	0.21	MILE	RUMBLE STRIPES, EDGE LINE (ASPHALT CONCRETE)	
																		TRAFFIC CONTROL	
						1,052				1,052				621	00100	1,052	EACH	RPM	
						838				838				621	54000	838	EACH	RAISED PAVEMENT MARKER REMOVED	
	90							59		149				630	02100	149	FT	GROUND MOUNTED SUPPORT, NO. 2 POST	
								12		12				630	80100	12	SF	SIGN, FLAT SHEET	
	12							6		18				630	80100	18	SF	SIGN, FLAT SHEET, 730.20	
	12							6		18				630	84900	18	EACH	REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL	
	12							6		18				630	86002	18	EACH	REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL	
							25.62			25.62				646	10010	25.62	MILE	EDGE LINE, 6"	
							12.81			12.81				646	10200	12.81	MILE	CENTER LINE	
							246			246				646	10400	246	FT	STOP LINE	
							100			100				646	10520	100	FT	CROSSWALK LINE, 24"	
																		STRUCTURE REPAIRS	
																		FOR MAH-165-0578 ESTIMATED QUANTITIES	16
																		FOR MAH-165-0902 ESTIMATED QUANTITIES	16
																		FOR MAH-165-0912 ESTIMATED QUANTITIES	16
																		FOR MAH-165-1170 ESTIMATED QUANTITIES	16
																		FOR MAH-165-1444 ESTIMATED QUANTITIES	16
																		FOR MAH-165-1729 ESTIMATED QUANTITIES	16

GENERAL SUMMARY

MAH-165/534-5.46/3.02

MODEL: Sheet PAPERSIZE: 17x11 (in.) DATE: 1/17/2023 TIME: 8:06:55 AM USER: jfitzsim
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DESIGN AGENCY

DESIGNER JRF

REVIEWER MJA 09-01-22

PROJECT ID 110680

SHEET P.9 TOTAL 23

SHEET NUM.										PART.				ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
4	5	7	8		11	12	13	14	16	01/STR/05	02/NHS/47	03/STR/47	04/STR/04						
																		MAINTENANCE OF TRAFFIC	
			100							100				614	11110	100	HOUR	LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE	
		13								13				614	12460	13	EACH	WORK ZONE MARKING SIGN	
		20								20				614	13000	20	CY	ASPHALT CONCRETE FOR MAINTAINING TRAFFIC	
			6							6				614	18601	6	SNMT	PORTABLE CHANGEABLE MESSAGE SIGN, AS PER PLAN	8
		12.81								12.81				614	21000	12.81	MILE	WORK ZONE CENTER LINE, CLASS I	
		12.81								12.81				614	21550	12.81	MILE	WORK ZONE CENTER LINE, CLASS III, 642 PAINT	
		25.62								25.62				614	22010	25.62	MILE	WORK ZONE EDGE LINE, CLASS I, 6"	
		25.62								25.62				614	22360	25.62	MILE	WORK ZONE EDGE LINE, CLASS III, 6", 642 PAINT	
		246								246				614	26000	246	FT	WORK ZONE STOP LINE, CLASS I	
		246								246				614	26610	246	FT	WORK ZONE STOP LINE, CLASS III, 642 PAINT	
																		INCIDENTALS	
										LS				614	11000	LS		MAINTAINING TRAFFIC	
										6				619	16010	6	MNTH	FIELD OFFICE, TYPE B	
										LS				623	10000	LS		CONSTRUCTION LAYOUT STAKES AND SURVEYING	
										LS				624	10000	LS		MOBILIZATION	

GENERAL SUMMARY

MAH-165/534-5.46/3.02

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DESIGN AGENCY

DESIGNER JRF

REVIEWER MJA 09-01-22

PROJECT ID 110680

SHEET P.10 TOTAL 23

CALC:	JRF	DATE:	8/1/2022
CHECKED:	MJA	DATE:	10/7/2022

ESTIMATED QUANTITIES

BRIDGE NO. / STRUCTURE FILE NO.								ITEM	EXTENSION	UNIT	DESCRIPTION	SEE SHEET
MAH-165-1729 5005660 02/NHS/47	MAH-165-0578 5003431 04/STR/04	MAH-165-0902 5006482 03/STR/47	MAH-165-0912 5003520 04/STR/04	MAH-165-1170 5006571 03/STR/47	MAH-165-1444 5006601 03/STR/47							
LS	LS	LS	LS	LS	LS			201	11001		CLEARING AND GRUBBING, AS PER PLAN	1 / 9
				LS	LS			202	98000		REMOVAL MISC.:CHANNEL CLEANOUT	1 / 9
	5		3					203	40000	CY	BORROW	
	14	47		74	9			512	10050	SY	SEALING OF CONCRETE SURFACES (NON-EPOXY)	
	38			492				512	33010	SY	TYPE 3 WATERPROOFING	
310								SPECIAL	51275500	SY	SEALING, SEALING OF CONCRETE SURFACES	
287	14	38		65				512	74000	SY	REMOVAL OF EXISTING COATINGS FROM CONCRETE SURFACES	
200		75		75	75			519	11101	SF	PATCHING CONCRETE STRUCTURE, AS PER PLAN	1 / 9
					9			SPECIAL	53000800	SY	STRUCTURES: CONCRETE SPALL REMOVAL	
		30						601	20000	SY	CRUSHED AGGREGATE SLOPE PROTECTION	
	5	10	5					601	27000	CY	DUMPED ROCK FILL, TYPE C	
	38			492				202	23501	SY	WEARING COURSE REMOVED, AS PER PLAN	1 / 9
	6			75				407	10000	GAL	TACK COAT	
	2			21				441	50100	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG70-22M	
2	2			62				441	50300	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (448)	

ESTIMATED QUANTITIES
MAH-165-0578, MAH-165-0902, MAH-165-0912
MAH-165-1153, MAH-165-1170, MAH-165-1444
MAH-165-1729, MAH-165-1755

SFN
VARIOUS

DESIGN AGENCY

DESIGNER	CHECKER
JRF	MJA

REVIEWER
MJA 09-01-22

PROJECT ID
110680

SUBSET	TOTAL
2	9

SHEET	TOTAL
P.16	23

MAH-165/534-5.46/3.02

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