D08/D0 191041 Dist 8

STATE OF OHIO DEPARTMENT OF TRANSPORTATION CONSTRUCTION PROJECT NO. CONSTRUCTION PROJECT NO. CONSTRUCTION PROJECT NO.

PID NO.

107574

FEDERAL PROJECT NO.

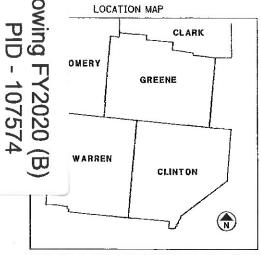
NON-FEDERAL

CONSTRUCTION PROJECT NO.

D08/D07 MOWING FY2020 (B)

DISTRICT WIDE MOWING

(, CLINTON, GREENE, MONTGOMERY & WARREN COUNTIES



LATITUDE: N 39°26'40" LONGITUDE : W 84°16'43"

PROJECT DESCRIPTION:

THE WORK PROPOSED BY THIS PROJECT IS FOR IMPROVING VARIOUS SECTIONS IN THE DISTRICT 7, 8 OHIO, IN ACCORDANCE WITH PLANS AND SPECIFICATIONS BY MOWING INTERSTATE, U.S. ROUTE, AND STATE ROUTE RIGHT OF WAY AREAS.

2019 SPECIFICATIONS

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

I HEREBY APPROVE THESE PLANS AND DECLARE THAT THE MAKING OF THIS IMPROVEMENT WILL NOT REQUIRE THE CLOSING OF THE HIGHWAY TO TRAFFIC AND THAT PROVISIONS FOR THE MAINTENANCE AND SAFETY OF TRAFFIC WILL BE AS SET FORTH IN THE PLANS AND ESTIMATES.

DATE \$ 29/2019 DISTRICT DEPUTY DIRECTOR

APPROVED

DATE DIRECTOR, DEPARTMENT OF TRANSPORTATION

NPDES PERMIT REQUIREMENTS:

PROJECT EARTH DISTURBED AREA = N/A (MAINTENANCE PROJECT)
ESTIMATED CONTRACTOR EARTH DISTURBED = N/A ACRES
NOTICE OF INTENT EARTH DISTURBED AREA = N/A ACRES
NOI NOT REQUIRED

UNDERGROU	ND	UTI	LITIE	S
Contact Two Before			Days	



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

PLAN PREPARED BY:

OHIO DEPARTMENT OF TRANSPORTATION
DISTRICT 8
505 S STATE ROUTE 741
LEBANON, OHIO 45036

Contract Proposal available @

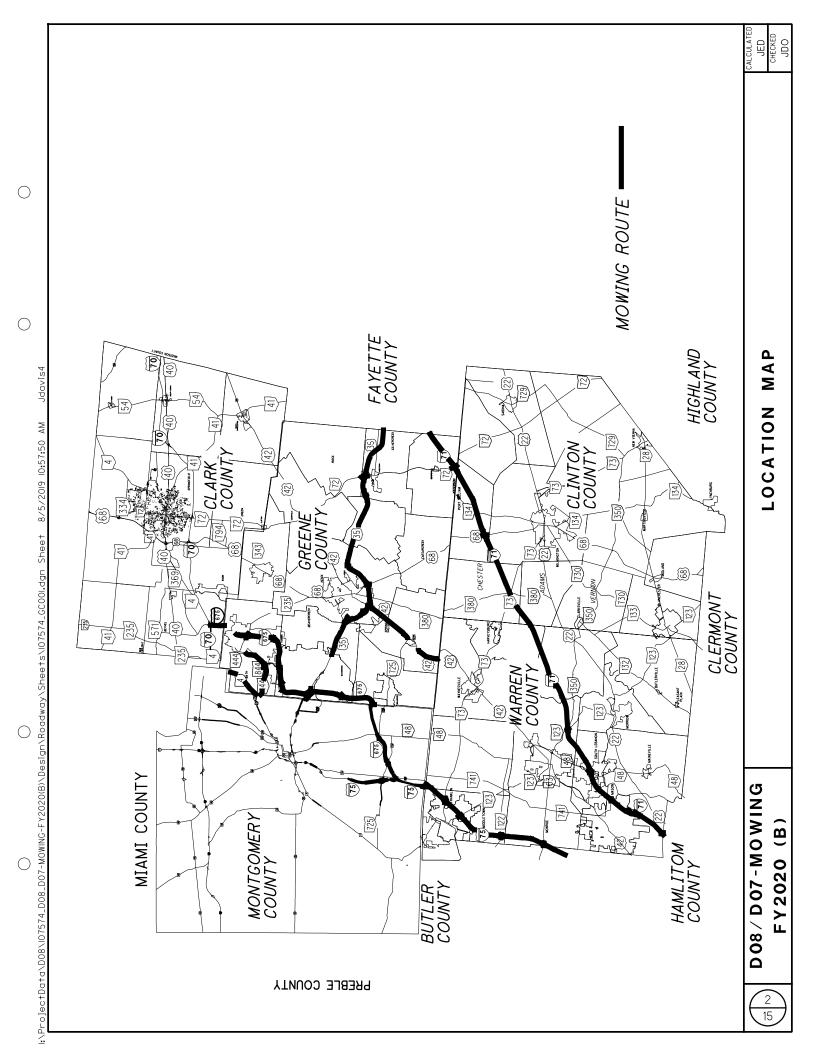
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SIGNED:
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THIS WORK SHALL CONSIST OF CONTROLLING VEGETATIVE GROWTH WITHIN THE RIGHT-OF-WAY BY MULTIPLE MOWINGS IN ACCORDANCE WITH THESE SPECIFICATIONS AT LOCATIONS SHOWN ON THE PLANS. MINOR DEVIATIONS FROM THE PLAN LINES AND QUANTITIES SHALL NOT EXCEED 5% AT THE DIRECTION OF THE ENGINEER.

EQUIPMENT

CUTTING BLADES SHALL BE KEPT SHARP AT ALL TIMES AND EQUIPMENT PROPERLY MAINTAINED TO PRODUCE CLEAN CUTS ON ALL VEGETATION. ALL EQUIPMENT SHALL MEET THE APPROVAL OF THE ENGINEER PRIOR TO STARTING WORK.

EQUIPMENT SHALL HAVE THE APPROPRIATE SAFETY SHIELDS AND SKIRTS IN ACCORDANCE WITH THE MANUFACTURER RECOMMENDATION AND INDUSTRY STANDARDS.

GENERAL

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THE CONTRACTOR SHALL SUBMIT A MOWING SCHEDULE IN ADVANCE TO THE PROJECT ENGINEER TO ENSURE THE ABOVE REQUIREMENTS ARE MET. ANY SCHEDULING PROBLEMS ARE TO BE RESOLVED BY THE PROJECT ENGINEER.

THE MOWING LIMITS WILL BE AS SHOWN ON THE PLANS. ANY OBJECT MOVABLE BY HAND WHICH INTERFERES WITH THE MOWING OPERATION SHALL BE REMOVED FROM THE MOWERS PATH BY THE CONTRACTOR. THE WORK SHALL CONSIST OF FOUR (4) MOWINGS WITH MOW BACKS ON THE 4th MOWING IN AREAS AS SPECIFIED IN THE PLANS.

IT SHOULD ALSO BE EMPHASIZED THAT DURING THE IMPLEMENTATION OF THIS CONTRACT, A NUMBER OF CONTRACTORS AND/OR ODOT FORCES MAY BE LANDSCAPING OR WORKING IN CONSTRUCTION ZONES AT VARIOUS LOCATIONS AT THE SAME TIME MOWING OPERATIONS MAY BE OCCURRING. SPECIFIC ATTENTION IS DIRECTED TO C.M.S. 105.08, COOPERATION BETWEEN CONTRACTORS. IF THE CONTRACTOR COMES UPON A WORK ZONE THAT HAS PERMANENT LANE CLOSURES AND LIMITED ACCESS TO THE AREAS NEED TO BE MOWED, THE PROJECT ENGINEER SHALL BE NOTIFIED AND ARRANGEMENTS SHALL BE MADE, IF POSSIBLE, TO ENTER THE ZONE TO PERFORM MOWING OPERATIONS.

THE CONTRACTOR SHALL BE FURNISHED IN WRITING, BY THE ENGINEER, A LIST OF ANY DAMAGE RESULTING FROM HIS OPERATION WHICH REQUIRES REPAIR OR REPLACEMENT AT HIS EXPENSE. THIS WORK SHALL BE DONE WITHIN THE DATES SPECIFIED FOR MOWING OR AS DIRECTED BY THE ENGINEER.

SHOULD TREES, SHRUBS, PLANTINGS, CATCH BASIN COVERS, DELINEATORS OR ANY ROADSIDE INSTALLATIONS BECOME DAMAGED IN ANY WAY AS A RESULT OF MOWING OPERATIONS, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REPLACE THE DAMAGED PLANTING/INSTALLATION AS DIRECTED BY THE ENGINEER.

FREEWAY REFERENCE MARKERS HAVE BEEN ERECTED THROUGHOUT THE STATE ALONG THE INTERSTATES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REPLACE OR REPAIR ANY REFERENCE MARKER INSTALLATION THAT IS DAMAGED AS DIRECTED BY THE ENGINEER DUE TO MOWING OPERATIONS.

ALL WORK SHALL BE PERFORMED ONLY IN THE PERIOD FROM ONE HALF HOUR FOLLOWING SUNRISE (OFFICIAL TIME) TO ONE HALF HOUR BEFORE SUNSET (OFFICIAL TIME).

NO WORK SHALL BE PERFORMED ON SUNDAY OR LEGAL HOLIDAYS UNLESS PRIOR WRITTEN APPROVAL IS OBTAINED FROM THE ENGINEER. NO WORK SHALL BE PERFORMED WHEN RAIN, FOG OR OTHER WEATHER CONDITIONS WOULD CREATE A SAFETY HAZARD.

AREAS TO BE MOWED SHALL BE SUFFICIENTLY DRY AS NOT TO CAUSE RUTTING OR OTHER DAMAGE.

ALL MOWING ALONG THE PAVEMENT EDGE INCLUDING IN FRONT OF THE GUARDRAIL SHALL BE PERFORMED WITH THE EQUIPMENT MOVING IN THE DIRECTION OF TRAFFIC FLOW.

ANY TRIMMING WORK REQUIRING POWER OR HAND EQUIPMENT SHALL BE DONE SIMULTANEOUSLY WITH EACH MOWING AND SHALL NOT LAG BEHIND OR LEAD THE TRACTOR MOWING BY MORE THAN (2) TWO WORKING DAYS.

AREAS WITHIN THE DESCRIBED MOWING LIMITS WHERE A DESIRABLE NATURAL GROWTH OR PLANTING EXISTS WILL BE IDENTIFIED BY THE ENGINEER, AND THE CONTRACTOR SHALL MOW ONLY THE LINE OF SUCH GROWTH OR PLANTING OR AROUND SUCH PLANTING IN THE CASE OF A TREE, TAKING CARE NOT TO DAMAGE THE TREE OR PLANTING.

GRASS AREAS WHERE GUARDRAIL IS IN CLOSE PROXIMITY TO THE FENCE LINE OR NOISE WALLS, PARTICULARLY ALONG MARGINAL ROADS, MUST BE CUT. ANY EXCEPTIONS ARE TO BE APPROVED BY THE ENGINEER.

THERE ARE VARIOUS NOISE WALL INSTALLATIONS AT VARIOUS LOCATIONS WITHIN THE LIMITS OF THIS CONTRACT. IN GENERAL MOWING LIMITS SHALL BE CONSISTENT WITH THAT DESCRIBED UNDER THE "SCOPE OF WORK" NOTES.

TRIMMED AREAS SHALL INCLUDE BUT NOT BE LIMITED TO GUARDRAIL, DELINEATOR POST, NOISE WALLS, TRAFFIC CONTROL DEVICES, CABLE RAIL, CABLE RAIL ANCHORS AND CONSTRUCTION DEVICES.

IF THE MOWING OPERATIONS ENTER AN AREA WHERE THERE ARE ANY TYPE OF CONSTRUCTION OR SURVEY STAKES THE CONTRACTOR SHALL TRIM AROUND EACH ONE AND TAKE CARE AS TO NOT DAMAGE OR MOW OVER THEM. IF THIS OCCURS, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER AND TAKE IMMEDIATE ACTION TO RE- ESTABLISH THE DAMAGED STAKES LOCATION.

IN ADDITION TO TYPICAL MOWING OPERATIONS, THE FOURTH (4TH) CUT AREAS SHALL ALSO INCLUDE THE CUTTING OF THE CATTAILS AND WILD FLOWER PLOTS IN ALL ACCESSIBLE AREAS. THIS OPERATION SHALL BE CONSIDERED AS INCIDENTAL TO TYPICAL MOWING OPERATIONS. UTILIZATION OF BOOM MOWERS IS SUGGESTED BUT NOT REQUIRED.

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SCOPE OF WORK

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MOWING SHALL BE AS FOLLOWS:

1. REGULAR MOWING OPERATIONS (1ST, 2ND, AND 3RD) SHALL BEGIN AT THE EDGE OF GROWTH NEAREST TO THE PAVEMENT EDGE AND CONTINUE THROUGH THE DITCHES IN THE FLAT EDGE AND CONTINUE THROUGH THE DITCHES IN THE FLAT SECTIONS AND CUT OR FILL SECTIONS WITH SLOPES OF 3:1 OR FLATTER. MOWING SHALL EXTEND A MINIMUM OF 15' FROM THE PAVEMENT EDGE UNLESS OTHERWISE RESTRICTED BY THE RIGHT-OF-WAY LIMITS, FORESLOPE STEEPNESS, OR THE DITCH BACK SLOPE STEEPNESS (SEE TYPICAL 1 AND 2 FOR DETAILS). MOWERS SHALL STRADDLE DITCHES AND SWALES. WHEELS OF TRACTORS SHALL NOT BE OPERATED IN DITCH OR SWALE BOTTOMS.

MOWING AT INTERCHANGES SHALL EXTEND 30' FROM THE EDGE OF PAVEMENT INCLUDING ALONG MAINLINE AND RAMPS. SEE SHEET 10 FOR DETAILS.

GROWTH SHALL BE 5 INCHES AFTER REGULAR MOWING.

MOWBACK OPERATIONS (4TH MOWING) SHALL BEGIN AT THE 2. MOWBACK OPERATIONS (4TH MOWING) SHALL BEGIN AT THE EDGE OF GROWTH NEAREST TO THE PAVEMENT EDGE AND CONTINUE TO A MAXIMUM OF THE R/W LINE, THROUGH THE DITCHES IN THE FLAT SECTIONS AND CUT OR FILL SECTIONS WITH SLOPES OF 3:1 OR FLATTER. MOWING SHALL EXTEND TO THE R/W LINE FROM THE PAVEMENT EDGE UNLESS OTHERWISE RESTRICTED BY THE FORESLOPE STEEPNESS, OR THE DITCH BACK SLOPE STEEPNESS (SEE TYPICALS 3 AND 4 FOR DETAILS). ALL VEGETATION UP TO 1 INCH DIAMETER WILL BE CUT FLUSH WITH A MOWER. MOWER SHALL STRADLE DITCHES. WHEELS OF THE TRACTOR SHALL NOT BE OPERATED IN DITCH BOTTOMS.

MOWBACK AT INTERCHANGES SHALL INCLUDE THE ENTIRE INFIELD

GROWTH HEIGHT SHALL BE BETWEEN 8 TO 12 INCHES AFTER MOWBACK.

- 3. MOWING SHALL EXTEND A MINIMUM OF 6 FEET BEYOND THE BACK OF THE GUARDRAIL POST OR FILL SECTIONS (WITH OR WITHOUT GUARDRAIL) HAVING SLOPES STEEPER THAN 3:1. SEE ALL TYPICAL SECTIONS FOR DETAILS.
- 4. NO MOWING IS REQUIRED ON SLOPES STEEPER THAN 3:1, EXCEPT AS NOTED IN ITEMS 1, 2 AND 3.
- 5. VEGETATION SHALL BE CUT IN FRONT OF, UNDER, AND BEHIND THE GUARDRAIL TO THE LIMITS SPECIFIED IN ITEMS 1-3. TRIMMING BY MACHINE OR HAND METHODS SHALL BE PERFORMED AS NECESSARY AROUND ALL SIGN POSTS, GUARDRAIL, CABLE RAIL, CABLE RAIL ANCHORS, DELINEATOR POSTS, LIGHT POLE/SIGN SUPPORT FOUNDATIONS, TELEPHONE POLES, TREES IN LANDSCAPED AREAS AND ANY OTHER OBSTRUCTIONS WITHIN THE MOWING LIMITS SO AS TO PRODUCE A UNIFORM CUT OF VEGETATION. NO HERBICIDAL SPRAYING SHALL BE PERMITTED TO ACCOMPLISH THIS WORK.
- 6. ALL INTERCHANGE RAMP SHOULDERS SHALL BE MOWED TO THE INTERSECTING ROUTE. WHEN AT-GRADE INTERSECTIONS ARE ENCOUNTERED MOWING SHALL CONTINUE AT A MINIMUM DISTANCE OF 15 FEET OR AS DIRECTED BY THE ENGINEER ALONG EACH SIDE OF THE INTERSECTING ROUTE TO THE RIGHT-OF-WAY LIMITS OF THE ROUTE BEING MOWED.
- 7. IF THE FOLLOWING AREAS OCCUR WITHIN THE PROJECT:
 A. TRUCK WEIGH STATIONS SHALL BE MOWED IN THEIR ENTIRETY.
 B. ROAD SIDE REST AREA LOCATIONS SHALL BE MOWED TO THE PHYSICAL GORE ALONG THE RAMPS THEN ALONG MAINLINE PER THE REGULAR MOWING AND MOWBACK REQUIREMENTS. NO MOWING WILL BE PERFORMED WITHIN THE REST AREA BEYOND THE PHYSICAL GORE AT THE RAMPS.
- 8. MEDIAN MOWING: MEDIANS SHALL BE MOWED THEIR FULL WIDTH EXCEPT THOSE NOTED ON DATA SHEETS WITH "BARRIER". MEDIAN WIDTHS AS NOTED ON ANY DATA SHEETS MAY VARY SLIGHTLY DUE TO THE CHANGING GEOMETRIC CHARACTERISTICS OF THE HIGHWAY.
- 9. THE CONTRACTOR SHALL NOT MOW AREAS CONTAINING PLANTINGS OF CROWN VETCH, HAIRY VETCH, OR SUNFLOWERS UNLESS OTHERWISE NOTED.

SCOPE OF WORK (CONTINUED)

10. CATTAILS, WEEDS, GRASS OR VEGETATIVE GROWTH OF ANY KIND IN ACCESSIBLE DRAINAGE DITCHES WITHIN THE PROJECT LIMITS SHALL BE CUT AS PART OF THE MOWBACK ONLY. MOWING SHALL EXTEND A MINIMUM OF (3) FEET ON THE UP SLOPE OF DRAINAGE DITCHES IF STEEPER THAN 3:1. TRACTOR WHEELS SHALL NOT BE OPERATED IN THE DITCH BOTTOMS. TO AVOID DAMAGE TO DRAINAGE DITCHES, IT IS RECOMMENDED THAT THE CONTRACTOR USE A BOOM TYPE MOWER TO PERFORM THIS TYPE OF WORK TO THE SATISFACTION OF THE ENGINEER. ALTHOUGH IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE EQUIPMENT NECESSARY TO PERFORM THIS WORK. A BOOM MOWER WITH A REACH OF 24 FEET +/- (OR SIMILAR) MAY BE NEEDED IN SOME AREAS.

11. AT THE COMPLETION OF EACH OF THE 4 MOWINGS, THE CONTRACTOR SHALL MEET WITH THE PROJECT ENGINEER TO PREPARE A DETAILED LIST OF ANY DAMAGE CAUSED BY MOWING OPERATIONS. LABOR AND MATERIALS FOR ANY REPAIRS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND DONE IN A TIMFLY MATTER.

REPAIR WORK FOR DAMAGE RESULTING FROM THE CONTRACTOR'S OPERATION SHALL BE DONE PRIOR TO THE BEGINNING OF THE SUBSEQUENT CUT UNLESS THE CONTRACTOR HAS WRITTEN PERMISSION FROM THE ENGINEER TO PERFORM IT AT A LATER DATE.

- 12. THE CONTRACTOR SHALL NOT STAGE MOWING EQUIPMENT OF ANY KIND AT ODOT MAINTENANCE FACILITIES OR OUTPOSTS. IF A STAGING OR STORAGE AREA IS NECESSARY THE CONTRACTOR SHALL OBTAIN THE APPROVAL OF THE PROJECT ENGINEER PRIOR TO STORING EQUIPMENT.
- 13. THE CONTRACTOR SHALL GIVE A MINIMUM NOTICE OF SEVEN (7) DAYS TO THE PROJECT ENGINEER PRIOR TO MOBILIZING FOR ALL MOWINGS. THE CONTRACTOR SHALL NOT MOBILIZE FOR THESE CUTS LISTED WITHOUT THE APPROVAL OF THE ENGINEER.
- 14. NO MOWING (REGULAR NOR MOWBACK) IS REQUIRED AT THE LOCATIONS SPECIFIED ON SHEET 5.

EQUIPMENT CLEANLINESS

TO PREVENT THE SPREAD OF NOXIOUS WEEDS AND INVASIVE SPECIES PROVIDE CLEANED AND WASHED TRACTORS, MOWERS AND TRIMMING EQUIPMENT BEFORE THE START OF EACH MOWING CYCLE. ADDITIONALLY, BEFORE THE START OF EACH DAY OF OPERATION, TRACTORS, MOWERS AND TRIMMERS SHALL BE FREE OF VEGETATIVE DEBRIS SUCH AS LEAVES, SEEDS, SEED PODS AND ANY OTHER MATERIAL THAT COULD CONTRIBUTE TO THE SPREAD OF NOXIOUS OR INVASIVE SPECIES. THE DAILY CLEANING MAY BE ACHIEVED BY COMPRESSED AIR, LEAF BLOWERS OR OTHER SUITABLE MEANS AND METHODS.

METHOD OF PAYMENT FOR MOWING OPERATIONS

MOWING MEASUREMENT SHALL BE COMPUTED AS ACRES MOWED AS SHOWN IN THE PLANS.

BASIS OF PAYMENT

NO PARTIAL PAYMENT WILL BE MADE FOR AREAS WHICH HAVE BEEN MOWED BUT NOT TRIMMED TO THE SATISFACTION OF THE ENGINEER. PAYMENT WILL BE MADE FOR ACCEPTED ACRES OF MOWING BASED ON PLAN ACRES AT THE CONTRACT UNIT PRICE.

THIS PROJECT WILL NOT BE CONSIDERED COMPLETE AND FINAL PAYMENT WILL NOT OCCUR UNTIL ANY AND ALL DAMAGED TREES, SHRUBS, PLANTINGS, DELINEATORS, ETC. AND ARE REPLACED TO THE SATISFACTION OF THE ENGINEER.

THE DEPARTMENT WILL NOT BE RESPONSIBLE FOR ANY DAMAGE TO THE CONTRACTORS EQUIPMENT DUE TO OBSTACLES, STONES, SAND, BOTTLES OR OTHER DEBRIS THAT MAY BE ENCOUNTERED WHILE DOING THE WORK AND NO ADDITIONAL COMPENSATION WILL BE MADE. ANY COSTS RESULTING SHALL BE CONSIDERED INCIDENTAL TO THIS ITEM OF WORK AND INCLUDED IN THE CONTRACT UNIT PRICE.

ITEM	UNIT	DESCRIPTION
SPEC	ACRE	FIRST MOWING
SPEC	ACRE	SECOND MOWING
SPEC	ACRE	THIRD MOWING
SPEC	ACRE	FOURTH MOWING

CONTRACTORS RESPONSIBILITIES

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SPECIFIC ATTENTION IS DIRECTED TO THE 100 SERIES OF SPECIFICATIONS IN THE DEPARMENTS "CONSTRUCTION AND MATERIAL SPECIFICATIONS" AND IN PARTICULAR TO THE FOLLOWING SECTIONS:

102.05 EXAMINATION OF BID DOCUMENTS AND SITE OF WORK 105.08 COOPERATION BETWEEN CONTRACTORS

107.07 PUBLIC CONVENIENCE AND SAFETY

107.10 PROTECTION AND RESTORATION OF PROPERTY

107.12 RESPONSIBILITY FOR DAMAGE CLAIMS AND LIABILITY INSURANCE

107.18 NO WAIVER OF LEGAL RIGHTS 108.00 PROSECUTION AND PROGRESS

VERIFICATION OF RIGHT OF WAY

A NUMBER OF LANDSCAPING OR NOISE BARRIER WALL PROJECTS ARE EITHER IN THE PLANNING PHASE, CURRENTLY UNDER CONSTRUCTION, OR MAY HAVE RECENTLY BEEN COMPLETED. IN ADDITION TO THIS, A NUMBER OF LANDSCAPING CONTRACTS MAY BE SOLD AND CONSTRUCTED DURING THE IMPLEMENTION OF THIS MOWING CONTRACT. INSPECTION OF THE EXISTING CONDITIONS AS WELL AS PROPOSED LANDSCAPING IS SUGGESTED. THE CONTRACTOR IS REFERRED TO C.M.S. 102.05

PARTICULAR ATTENTION SHOULD BE BROUGHT TO THESE AREAS WHERE SIGNIFICANT LANDSCAPING HAS OCCURRED. CONSIDERABLE TRIMMING AROUND THESE TREES, SHRUBS, PLANTINGS, ECT. WILL BE REQUIRED. THE CONTRACTOR SHALL BE CAPABLE OF PROVIDING THE MACHINERY, EQUIPMENT AND/OR LABOR AS NECESSARY TO MOW AND TRIM AROUND, BETWEEN AND BEYOND THESE TREES, SHRUBS, ECT. IN PARTICULAR, AS WELL AS AT ALL OTHER LANDSCAPING LOCATIONS. INSPECTION OF WORK LOCATIONS PRIOR TO BIDDING IS SUGGESTED.

MOWING SCHEDULE

STARTING DATE COMPLETION DATE

FIRST MOWING APRIL 15th MAY 13th
SECOND MOWING MAY 23rd JULY 11th
THIRD MOWING JULY 25th SEPTEMBER 16th
FOURTH MOWING OCTOBER 15TH APRIL 1ST

THESE ARE THE ACTUAL STARTING AND INTERIM COMPLETION DATES. MOWING OPERATIONS SHALL NOT COMMENCE WITHOUT THE APPROVAL OF THE PROJECT ENGINEER. IF EXTREME WEATHER CONDITIONS ARISE, SUCH AS SEVERE DROUGHT OR A VERY LATE WINTER/WET SPRING, ONLY THE PROJECT ENGINEER HAS THE AUTHORITY TO DELAY THE STARTING DATE OF ANY CUT AND WILL DO SO IF NECESSARY. IF WEATHER AND GRASS GROWTH IS NORMAL, THESE DATES WILL NOT CHANGE. THE ENGINEER SHALL RESCHEDULE ANY MOWING(S) IF EXTREME WEATHER CONDITIONS ARE DETERMINED. LIQUIDATED DAMAGES SHALL BE ASSESSED IN ACCORDANCE WITH CMS SECTION 108.07 FOR EACH CALENDAR DAY PAST THE INTERIM COMPLETION DATE THAT THE MOWING IS NOT COMPLETED.

ITEM 692 - SPECIAL MOWING EXTRA

AN ESTIMATED QUANTITY OF 20 ACRES OF ITEM 692-SPECIAL MOWING EXTRA HAS BEEN CARRIED TO THE GENERAL SUMMARY TO BE USED AS DIRECTED BY THE ENGINEER. THIS QUANTITY IS TO BE USED IN BETWEEN SCHEDULED MOWINGS FOR THE PURPOSES OF REMOVING VEGETATION AT LOCATIONS WHERE VEGETATION MAY GROW TO A HEIGHT WHICH ADVERSLEY IMPACTS SITE DISTANCE DURING THE NORMAL MOWING OPERATIONS. THE LOCATIONS AND SIZE OF THE AREA TO BE MOWED UNDER THIS PAY ITEM SHALL BE DETERMINDED BY THE ENGINEER. THE CONTRACTOR SHALL NOT PERFORM THIS WORK UNTIL THE ACTUAL WORK LOCATIONS HAVE BEEN IDENTIFIED AND AUTHORIZED BY THE ENGINEER. THE ACTUAL WORK LOCATIONS AND QUANTITIES USED AT THE ENGINEER'S DIRECTION SHALL BE MADE A MATTER OF RECORD BY INCORPORATION INTO THE FINAL CHANGE ORDER GOVERNING THE COMPLETION OF THE PROJECT

LIST OF INTERCHANGES NOT TO BE MOWED

LIMITS OF THE INTERCHANGES WHERE MOWING IS NOT REQUIRED INCLUDES THE INFIELDS AND RAMPS BETWEEN THE PHYSICAL GORES OF THE ENTRANCE/EXIT RAMPS.

IR 75 AND SR 63 MONROE IR-75 AND SR 123 FRANKLIN IR-75 AND SR 73 SPRINGBORO IR-75 AND AUSTIN BLVD.

MAINTENANCE OF TRAFFIC

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MAINTENANCE OF TRAFFIC SHALL BE AS PER C.M.S. 614. IN ADDITION, A 48 INCH W21-8 "MOWING AHEAD" SIGN SHALL BE LOCATED ON THE SHOULDER A MINIMUM DISTANCE OF FIVE HUNDRED FEET IN ADVANCE OF THE MOWING OPERATION. BUT, THE DISTANCE BETWEEN THE "MOWING AHEAD" SIGN AND THE MOWING OPERATION SHALL NOT EXCEED TWO MILES. THE SIGN SHALL BE PLACED ON BOTH SHOULDERS OF THE ROADWAY IN THE DIRECTION OF THE MOWING OPERATION. MULTIPLE SETS OF SIGNS MAY BE USED IF THE CONTRACTOR ANTICIPATES MOWING AREAS GREATER THAN 2 MILES PER DAY. THE SPACING BETWEEN SIGNS MAY BE ADJUSTED BY THE ENGINEER BUT SHALL NOT BE GREATER THAN 2 MILES. ANY SIGNS USED SHALL MEET THE REQUIREMENTS OF NCHRP 350 AND SHOULD BE APPROVED BY THE ENGINEER.

ALL MOWING ALONG THE PAVEMENT EDGE INCLUDING IN FRONT OF THE GUARDRAIL SHALL BE PERFORMED WITH THE EQUIPMENT MOVING IN THE DIRECTION OF TRAFFIC FLOW.

ALL MOWING TRACTORS SHALL BE EQUIPPED WITH AMBER FLASHING LIGHTS. FLASHERS SHALL BE VISIBLE TO ONCOMING AND OVERTAKING HIGHWAY TRAFFIC. FLASHERS WILL HAVE A MINIMUM OF 32 CP OUTPUT AND FLASH 50 TO 60 TIMES PER MINUTE.

ALL EQUIPMENT AND VEHICLES NOT IN USE, IF STORED ON THE HIGHWAY RIGHT OF WAY, SHALL FOLLOW CMS 614.035.

ALL LANES OF TRAFFIC IN EACH DIRECTION SHALL BE MAINTAINED AT ALL TIMES BY USE OF THE EXISTING PAVENT, EXCEPT IN ACCORDANCE WITH THE PERMITTED LANE CLOSURE NOTE. AT NO TIME IS THE CONTRACTOR PERMITTED TO OPERATE EQUIPMENT WITHIN OR MOVE ACROSS AN OPEN LANE OF TRAFFIC. AT NO TIME SHALL THE CONTRACTOR USE THE LANES OR SHOULDERS TO TRAVEL AGAINST THE FLOW OF TRAFFIC.

NO WORK SHALL BE PERFORMED AND ALL EXISTING LANES SHALL BE OPEN TO TRAFFIC DURING THE FOLLOWING DESIGNED HOLIDAYS OR EVENTS:

> FOURTH OF JULY CHRISTMAS NEW YEARS LABOR DAY MEMORIAL DAY THANKSGIVING **EASTER**

THE PERIOD OF TIME THAT THE LANES ARE TO BE OPEN DEPENDS ON THE DAY OF THE WEEK ON WHICH THE HOLIDAY OR EVENT FALLS. THE FOLLOWING SCHEDULE SHALL BE USED TO DETERMINE THIS PERIOD:

DAY OF HOLIDAY OR EVENT TIME ALL LANES MUST BE OPEN TO TRAFFIC

SUNDAY 6:00 AM FRIDAY THROUGH 6:00AM MONDAY 6:00AM FRIDAY THROUGH 6:00AM TUESDAY MONDAY 6:00 AM MONDAY THROUGH 6:00 AM WEDNESDAY TUESDAY 6:00AM TUESDAY THROUGH 6:00AM THURSDAY WEDNESDAY THURSDAY 6:00AM WEDNESDAY THROUGH 6:00AM FRIDAY THURSDAY (THANKSGIVING ONLY) 6:00AM WEDNESDAY THROUGH 6:00AM Mon.

FRIDAY 6:00 AM THURSDAY THROUGH 6:00AM MONDAY SATURDAY 6:00 AM FRIDAY THROUGH 6:00AM MONDAY

SHOULD THE CONTRACTOR FAIL TO MEET ANY OF THESE REQUIREMENTS. THE CONTRACTOR SHALL BE ASSESSED A DISINCENTIVE IN THE AMOUNT OF \$125 FOR EACH MINUTE THE ABOVE DESCRIBED LANE CLOSURE RESTRICTIONS ARE VIOLATED.

LENGTH AND DURATION OF LANE CLOSURES AND RESTRICTIONS SHALL BE AT THE APPROVAL OF THE ENGINEER. 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 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.

PERMITTED LANE CLOSURE TIMES

SHORT TERM LANE CLOSURES AND MOBILE OPERATIONS ARE THOSE WHICH ARE PERMITTED BY THE PERMITTED LANE CLOSURE NOTE. THESE TIMES SHALL NOT BE REVISED WITHOUT PRIOR APPROVAL FROM THE DISTRICT 8 WORK ZONE TRAFFIC CONTROL MANAGER. SHORT TERM LANE CLOSURES AND MOBILE OPERATION SHALL ONLY BE IMPLEMENTED AS FOLLOWS:

- *FOR LOCATIONS INCLUDED IN THE PERMITTED LANE CLOSURE MAP: PERMITTED LANE CLOSURES AND MOBILE OPERATIONS IN ACCORDANCE WITH THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES SHALL ONLY BE ALLOWED DURING THE TIMES SPECIFIED IN THE DISTRICT 8, PERMITTED LANE CLOSURE SCHEDULE WHICH IS LOCATED ON THE ODOT WEBSITE: HTTP://PLCM.DOT.STATE.OH.US/. THE LATEST REVISION, 14 DAYS PRIOR TO THE BID, SHALL BE IN EFFECT FOR THIS PROJECT. WHEN THE PERMITTED LANE CLOSURE OCCURS DURING WORKING HOURS, THE CONTRACTOR IS REQUIRED TO HAUL EQUIPMENT FROM LOCATION TO LOCATION USING A TRUCK AND/OR TRAILER.
- * FOR LOCATIONS NOT INCLUDED IN THE PERMITTED LANE CLOSURE MAP: PERMITTED LANE CLOSURES AND MOBILE OPERATIONS IN ACCORDANCE WITH THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES SHALL ONLY BE ALLOWED BETWEEN THE HOURS OF 9AM TO 3PM. THE CLOSURE SHALL BE REMOVED AS SOON AS POSSIBLE. NO LANE OR SHOULDER CLOSURE SHALL BE IN PLACE WHEN NO WORK IS BEING PERFORMED.

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 OFFICE OF COMMUNICATIONS. 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, THE SPECIFIC LOCATION, TYPE OF WORK, ROAD STATUS, DATE AND TIME OF RESTRICTION, DURATION OF RESTRICTION, NUMBER OF LANES MAINTAINED, NUMBER OF LANES CLOSED, DETOUR ROUTES, IF APPLICABLE, AND ANY OTHER INFORMATION REQUESTED BY THE PROJECT ENGINEER.

NOTICE TO OFFICE OF COMMUNICATIONS TIME TABLE

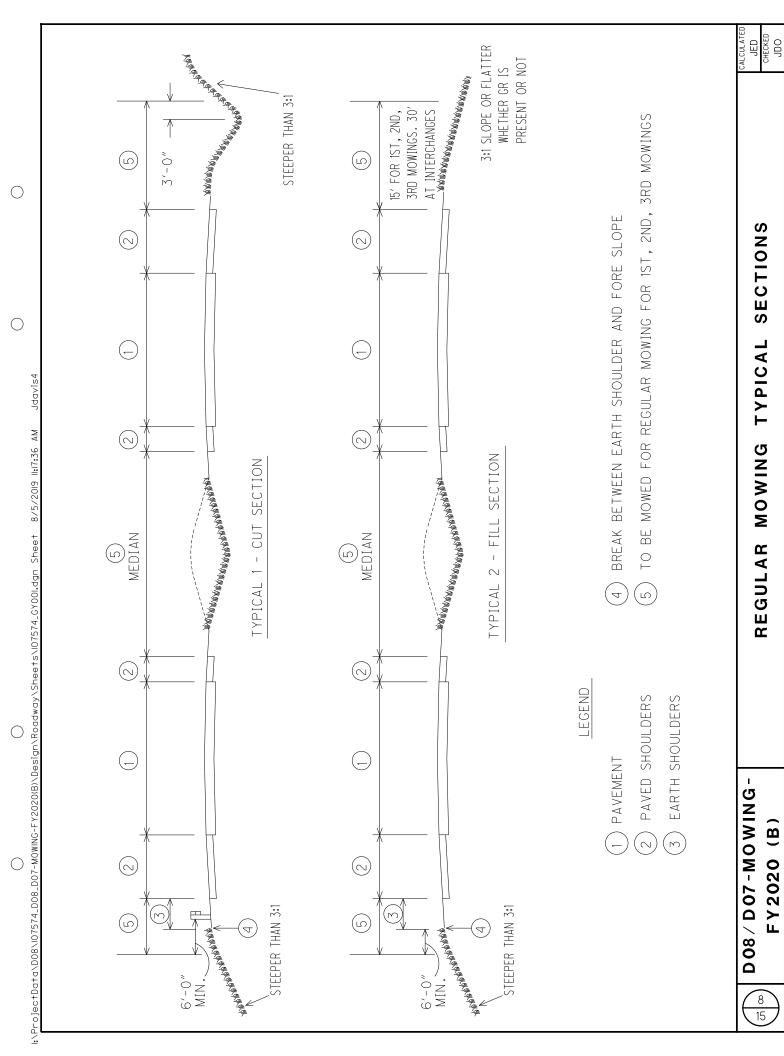
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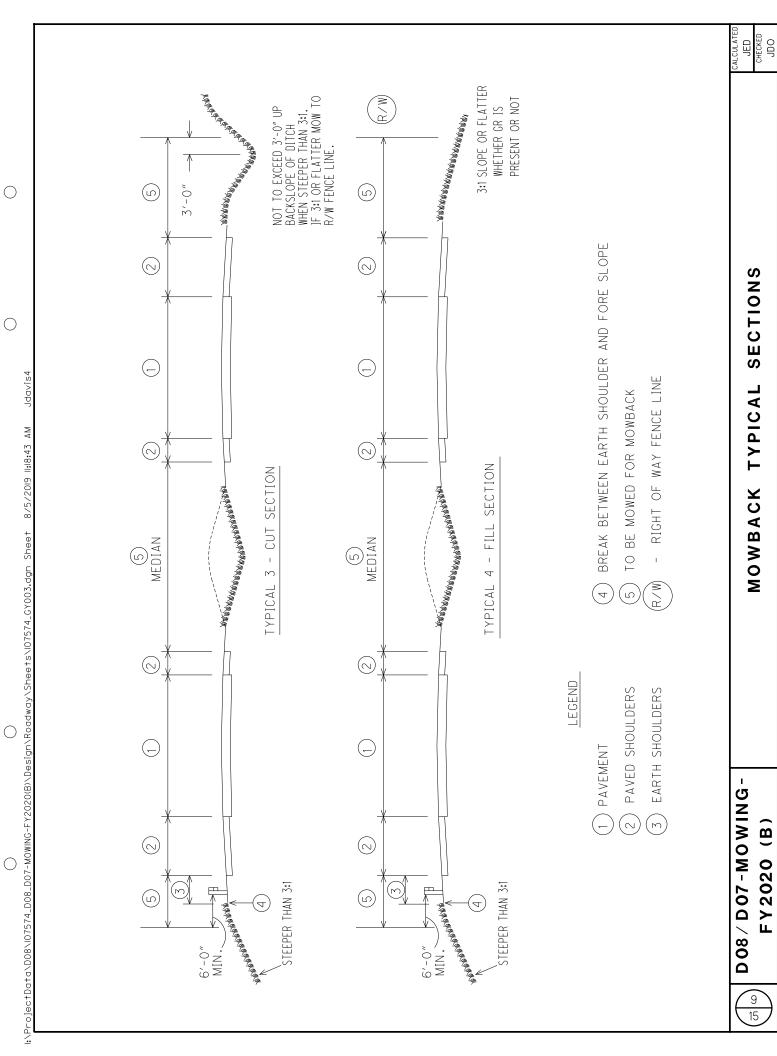
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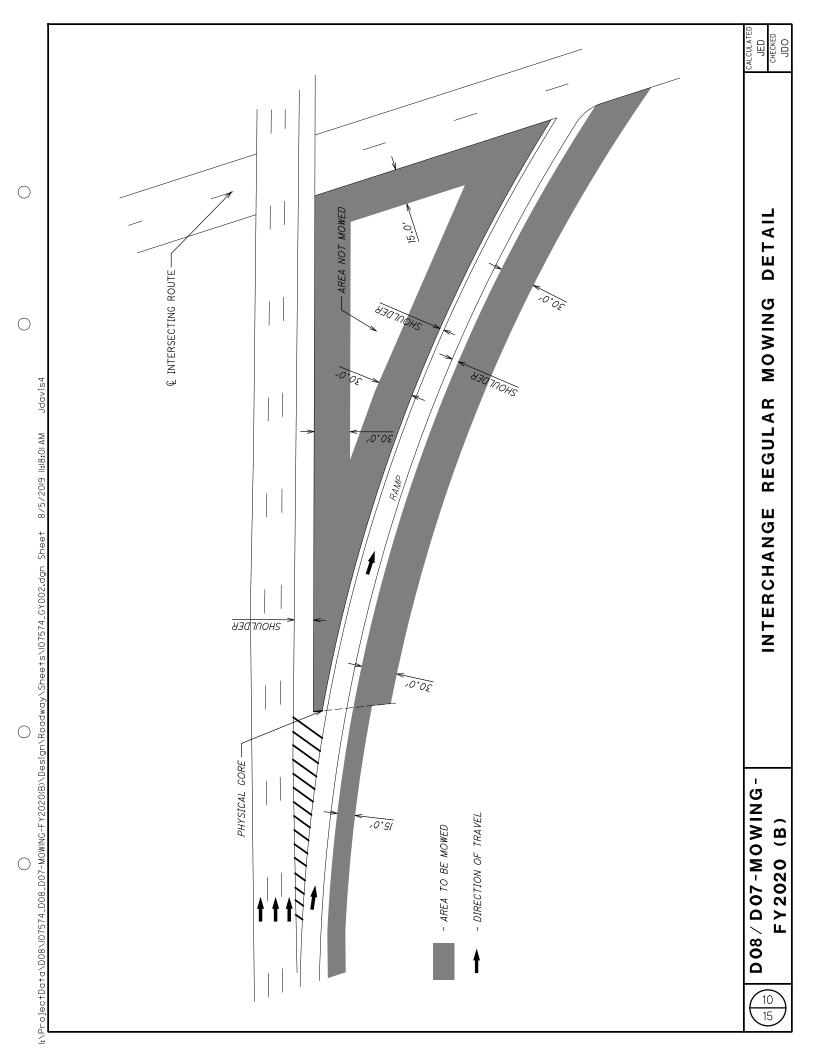
ITEM	DURATION OF CLOSURE	NOTICE DUE TO OFFICE OF COMMUNICATIONS
RAMP & ROAD CLOSURES	>= 2 WEEKS > 12 HOURS & < 2 WEEKS	21 CALENDAR DAYS PRIOR TO CLOSURE 14 CALENDAR DAYS PRIOR TO CLOSURE
	< 12 HOURS	4 BUSINESS DAYS PRIOR TO CLOSURE
LANE CLOSURES &	>= 2 WEEKS	14 CALENDAR DAYS PRIOR TO CLOSURE
RESTRICTIONS	< 2 WEEKS	2 BUSINESS DAYS PRIOR TO CLOSURE
START OF CONSTRUCTION & TRAFFIC PATTERN CHANGES		14 CALENDAR 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 NOTICE TO OFFICE OF COMMUNICATIONS TIME TABLE.





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PART TOTALS CARRIED TO MOWING SUMMARY ON SHEET 14

TO END OF WIL. RAMPS CLINTON/WARREN CO. LINE TO SR-73 INTERCHANGE GREENE/CLINTON CO. LINE TO SR-72 INTERCHANGE SR-72 INTERCHANGE TO GREENE/FAYETTE CO. LINE CLA/GRE COUNTRY LINE TO BEGIN SPANGLER RD GREENE/MONT. TO GREENE/MONT. CO. LINE LEAVE FAIRBORN TO IR-675 RAMPS I-70 TO END OF DIVIDED HIGHWAY GREENE/MONTGOMERY CO. LINE CLINTON/GREENE CO. LINE ENTER CITY OF FAIRBORN GREENE/CLARK CO. LINE END OF I-675 TO I-70 REMARKS GREENE/MONTGOMERY CO. LINE TOTAL ACRES FOR MOWBACK 93 158 174 **425** 704 92 4 3 28 9/ 2 64 16 46 36 20 1 77 45 478 29 23 32 92 છ \sim \sim TOTAL ACRES FOR MOWING 8 8 8 45 35 37 **241** 49 99 88 13 36 29 8 25 38 4 32 _ 17 9 ~ \sim 7 MEDIAN WIDTH (FT.) 3 3 3 3 3 3 40 40 60 92 92 92 09 23 21 75 75 40 40 9 DAYTON YELLOW SPRINGS RD NORTH FAIRFIELD ROAD SKYLINE (WPAF BASE) INDIAN RIPPLE ROAD SPRINGFIELD STREET INTERSECTING ROUTE GRANGE HALL ROAD WILMINGTON PIKE SPANGLER RD SR-235 SR-444 SR-844 SR-73 SR-844 IR-675 99-SN SR-72 US-35 RAMP MILES 0.80 0.39 2.73 19.0 1.07 0.42 0.67 0.73 0.64 1.17 25 LINEAL MILES 2.75* 0.73* 66.0 2.95 0.46 0.09 3.06 0.16 2.53 1.99 3.55 2.81* 2.31 2.78 0.29 0.5 0.21 1.3 2.3 6.81 END LOG POINT 15.39 8.95 10.34 15.42 0.99 2.95 13.12 3.06 0.16 2.69 4.68 7.62 0.71 5.91 8.22 0.5 0.46 4.01 0.35 START LOG POINT 8.22 10.25 10.34 13.12 15.42 0.00 0.00 2.69 2.95 0.46 0.00 5.91 0.5 0 0 0 SPANGLER RD IR-675 IR-675 ROUTE SR-444 TOTAL TOTAL **T07AL** TOTAL TOTAL TOTAL IR-71 IR-71 SR-4 CLINTON COUNTY GREENE GREENE CLARKGREENE GREENE 02/IMS/07 01/IMS/0T 01/IMS/07 01/IMS/07 01/IMS/07 01/IMS/07 PLAN SPLIT PART 4 9 ~ 2 \sim

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FY2020 (B) D08/D07

SUB-SUMMARY

MOWING

EAVE CITY OF BEAVERCREEK (INCLUDES US35/35B INTER LEAVE CITY OF FAIRBORN AND END AT GATE 15A WPAFB GREENE/WARREN CO. LINE TO END OF DIVIDED LANES HEDGES ROAD TO US-35 INTERCHANGE TO XENIA CORP. WAR/HAM CO. LINE TO END OF FIELDS E. RAMP BEGIN DIVIDED LANES TO HEDGES ROAD WARREN/MONTGOMERY CO. LINE GREENE/FAYETTE CO. LINE WARREN/CLINTON CO. LINE WARREN/BUTLER CO. LINE INCLUDED IN PART 4 (IR-675 8.95 - 10.25) REMARKS TOTAL ACRES FOR MOWBACK 8 101 42 168 50 105 **566** 20 60 364 364 59 **82 83** 38 29 21 5 8 43 42 52 30 ø 24 0 2 2 8 4 8 4 9 TOTAL ACRES FOR MOWING 32 30 23 45 28 54 53 54 24 3 8 2 \mathcal{U} 2 8 \sim 0 21 14 29 8 3 0 5 17 27 9 = BARRIER BARRIER MEDIAN WIDTH (FT.) BARRIER BARRIER BARRIER 52 52 52 52 52 56 56 99 52 50 50 20 30 36 09 170 170 20 48 48 65

FIELDS ERTEL RD.

0.33

0.34

0.00

IR-71

WARREN

01/IMS/07

TOTAL

0.51 1.77 3.03 4.23 4.18 5.43

3.62 3.11

3.11

5.39 8.42 12.65

3.62 8.42

US-35

SEE US35

1.24

8.03

3.16

2.04 6.79

3.63 6.79

US-42

GREENE

01/IMS/07

2

TOTAL

WESTERN ROW RD. KINGS MILLS RD.

SR-48

10.1

19.0

9.0

16.83 22.26

12.65

TOTAL

SR-123

WILMINGTON RD.

SR-63 SR-122 SR-123

0.86

3.72 4.07 0.52

9.38

0.00

IR-75

WARREN

01/1MS/07

2

0.98 0.83

1.33

9.50 10.02 12.20

8.17

8.17

4.10

2.18

10.02

TOTAL

9.50

SR-73

NORTH BICKETT ROAD

OLD US-35 E

SR-72

6.47 1.76 4.56

27.23

LOWER BELLBROOK

US-42 89-SN

> 0.78 0.82

1.59

69.0 1.92

11.01

9.42 11.01

4.51

US-35

GREENE

01/IMS/07

9

0.27

2.4

2.13

SR-844 TOTAL

GREENE

01/IMS/07

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TOTAL

2.41

12.03 14.44 20.91 22.67

12.03 14.44 20.91 22.67

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INTERSECTING ROUTE

RAMP MILES

LINEAL MILES

END LOG POINT

START LOG POINT

ROUTE

SOUNTY

TIJAS NAJA

ТЯАЧ

W.P.A.F.B. ENTRANCE

UNIVERSITY BLVD.

COL. GLENN HWY KAUFFMAN AVE.

FAIRFIELD RD

0.78 0.27 0.67 0.33

> 1.05 2.05

0.78

0.00 1.05 2.05

SR-844

GREENE

01/IMS/01

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PART TOTALS CARRIED TO MOWING SUMMARY ON SHEET 14

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FY2020 (B)

D08/D07-MOWING-

REMARKS	MONTGOMERY/WARREN I INF						BEGING AT IR-75				MONTGOMERY CO. LINE											
TOTAL ACRES FOR MOWBACK	48	85	56	97	35	321	59	28	61	39		145										
TOTAL ACRES FOR MOWING	37	17	46	28	28	760	44	20	17	35		911										
MEDIAN WIDTH (FT.)	021	071	170	170	25		80-40	40	40	40	40											
INTERSECTING ROUTE	ALISTIN PIKE	IR-675	SR-725	E CENTRAL AVE.	DRYDEN RD		SR-725	ALEXANDER BELLBROOK RD	SR-48	WILMINGTON PIKE												
LINEAL MILES	92.0	1.83	1.15	2.92	2.65		2.10	2.37	0.32	2.63	0.20											
END LOG POINT	92.0	2.59	3.74	99.9	9.31	.AL	2.10	4.47	4.79	7.42	7.44	AL.										
START LOG POINT	00.0	0.76	2.59	3.74	99.9	TOTAL	0.00	2.10	4.47	4.79	7.42	TOTAL										
ROUTE	18-75						JR-675															
COUNTY	02/IMS/OT MONTGOMERY						02/IMS/OT MONTGOMERY															
PLAN SPLIT	TO/SMI/20						02/IMS/07															
PART	13	2					14															

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SUB-SUMMARY MOWING

D08/D07-M0WING-FY2020 (B)

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PART TOTALS CARRIED TO SUBSUMMARY ON SHEET 14

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01/IMS/01 01/IMS/07 02/IMS/07 02/IMS/07 02/IMS/07 03/IMS/07	5.	
TOTALS CARRIED TO THE GENERAL SUMMARY (OL/IMS/OT) 1319 1319 1319	9 2358	

MOWING SUMMARY

CALCULATED JED CHECKED JDO

D08/D07-M0WING-14

FY2020 (B)

DESCRIPTION ROADWAY MAINTAINING TRAFFIC MOBILIZATION FOURTH MOWING SECOND MOWING MOWING EXTRA THIRD MOWING FIRST MOWING ACRE ACRE ACRE UNIT ACRE ACRE GRAND TOTAL 2849 21.21 1712 1712 S7 30 69210100 69220100 69230100 69230270 69235500 ITEM 00001 EXT SPECIAL SPECIAL SPECIAL SPECIAL SPECIAL 614 624 ITEM 01/IMS/07 02/IMS/07 393 393 393 491 PART. 2358 LUMP 1319 1319 1319 30 SHEET NUM.

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1712

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30

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SUMMARY

GENERAL

CALCULATED JED CHECKED JDO

D08/D07-MOWING-15 15

FY2020 (B)