

D04 - VA-HS-FY2012
120267 **PID - 92597**
Dist 4 **4/26/2012**

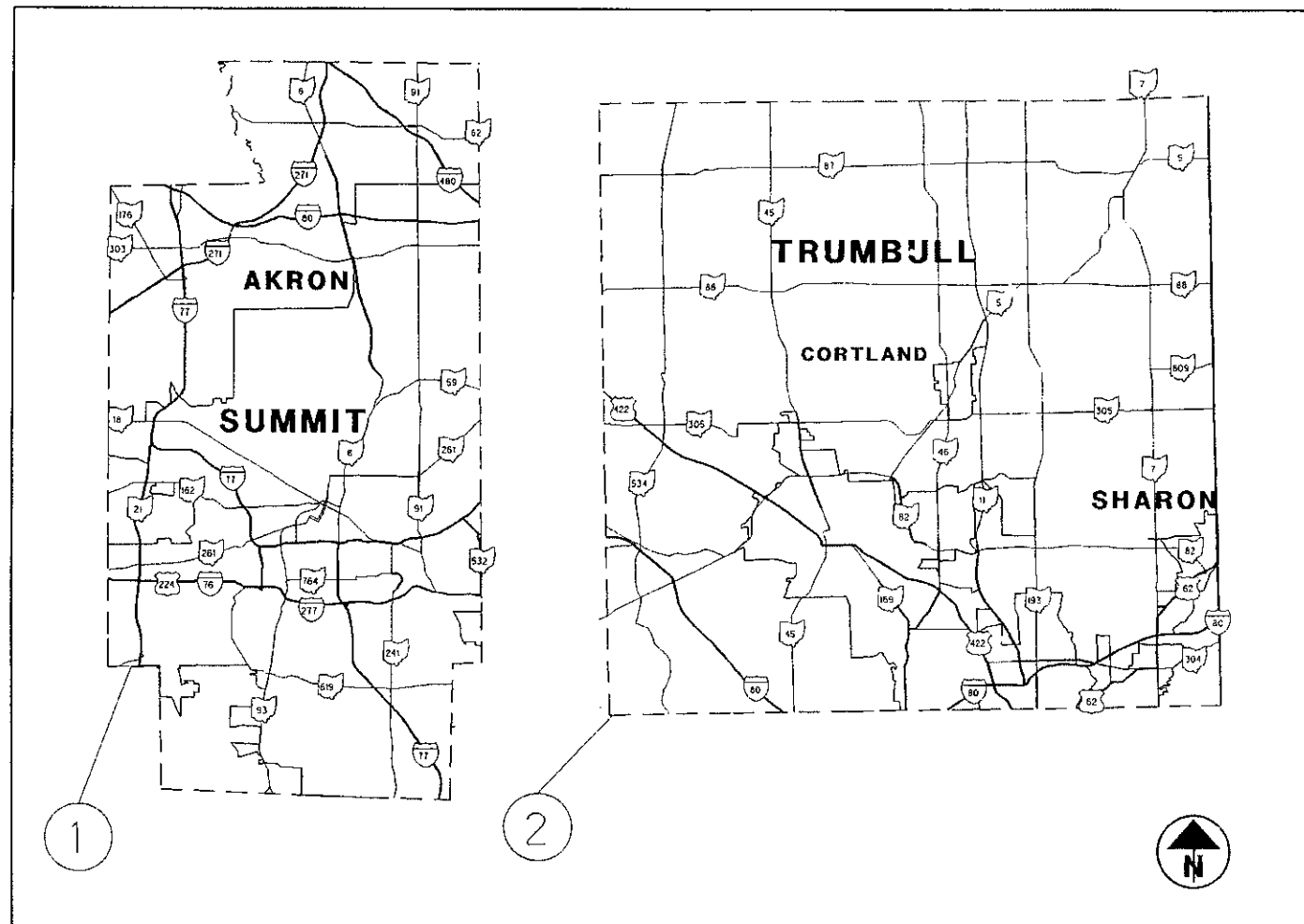
Contract Proposal Available
@www.contracts.dot.state.oh.us/home

THIS PROJECT WILL CONSIST OF HERBICIDAL
SPRAYING OF VARIOUS ROUTES IN SUMMIT AND
TRUMBULL COUNTIES AND ODOT
OUTPOSTS IN TRUMBULL COUNTY.

PART	COUNTY	ROUTE	SECTIONS
1	SUM	VAR.	SEE PAGE 9, 10
2	TRU	VAR.	SEE PAGE 9, 10, 11

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

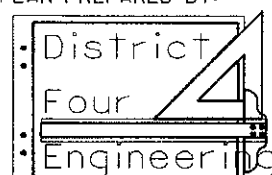
INDEX OF SHEETS:	
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MAINTENANCE OF TRAFFIC	7-8
DATA SHEETS	9-11
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LONGITUDE: 41°11'00"N LATITUDE: 81°00'35"W

UNDERGROUND UTILITIES CONTACT BOTH SERVICES CALL TWO WORKING DAYS BEFORE YOU DIG		
	CALL 1-800-362-2764 (TOLL FREE)	
OHIO UTILITIES PROTECTION SERVICE NON-MEMBERS MUST BE CALLED DIRECTLY		
OIL & GAS PRODUCERS UNDERGROUND PROTECTION SERVICE CALL: 1-800-925-0988		

PLAN PREPARED BY:



ENGINEERS SEAL

STATE OF OHIO
DOUGLAS
A.
YARD
E-58044
REGISTERED
PROFESSIONAL ENGINEER

SIGNED: *[Signature]*
DATE: 8/2/12

[illegible]

APPROVED _____
DATE 1-24-12 DISTRICT DEPUTY DIRECTOR

APPROVED *Kevin W. Ray*
DATE 2-6-12 DIRECTOR, DEPARTMENT OF
TRANSPORTATION

FEDERAL PROJECT NO.

NON-FEDERAL

PID NO.
92597

CONSTRUCTION PROJECT NO.

RAILROAD INVOLVEMENT	NONE
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D04-HS-FY 2012

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HERBICIDAL SPRAYING
FOR VEGETATION CONTROL

DESCRIPTION OF WORK:

SPRAYING WILL BEGIN ON OR ABOUT JUNE 1, 2012 AND BE COMPLETED WITHIN 30 CALENDAR DAYS AFTER THE STARTING DATE IS ESTABLISHED. THE ACTUAL STARTING DATE WILL BE DETERMINED BY THE ENGINEER AFTER AN EVALUATION OF EXISTING VEGETATION CONDITIONS. FAILURE TO START WITHIN TWO WEEKS OF THE NOTIFICATION TO START MAY RESULT IN THE CONTRACT BEING DEFAULTED AS PER 108.08.

SPRAYING WILL NOT BEGIN UNTIL APPROVAL OF THE ENGINEER HAS BEEN OBTAINED.
NO SPRAYING WILL BE PERFORMED ON SUNDAYS, LEGAL HOLIDAYS, OR IN AREAS WHERE
TURF IS MAINTAINED AS A LAWN AREA.

PAYMENT FOR ALL GUARDRAIL, SIGNPOSTS AND DELINEATOR SPRAYING INCLUDES SPRAYING OF ALL RAMPS ON ALL THE FOUR LANE DIVIDED HIGHWAYS.

REPORTING PROGRESS:

THE CONTRACTOR WILL SUBMIT A WRITTEN REPORT EACH DAY TO THE ENGINEER OF THE WORK PERFORMED THE PREVIOUS DAY. THE STATE WILL MAKE AVAILABLE AN AGENT DURING NORMAL WORKING HOURS TO DEFINE THE AREAS TO BE SPRAYED.

EQUIPMENT:

PRIOR TO STARTING WORK, ALL EQUIPMENT NECESSARY TO PERFORM THE CONTRACT WILL BE INSPECTED AND APPROVED BY THE ENGINEER. THE CONTRACTOR WILL BE REQUIRED TO DEMONSTRATE THAT HIS EQUIPMENT AND OPERATORS ARE CAPABLE OF APPLYING AN EVEN AND CONTROLLED APPLICATION OF MATERIALS TO ALL AREAS OF THE RIGHT-OF-WAY AND FENCE LINES. ALL SPRAY PATTERNS OR OUTLETS WILL HAVE INSTANTANEOUS SHUT OFF VALVES IMMEDIATELY ACCESSIBLE TO THE SPRAY OPERATOR FROM HIS OPERATING POSITION. THE SPRAY VEHICLE WILL, UNDER NO CIRCUMSTANCES, EXCEED 10 MILES PER HOUR WHILE SPRAYING HERBICIDE. ALL TRUCKS WILL BE EQUIPPED WITH ANTI-SYPHON DEVICES OR THE FILLER HOSE WILL NOT COME INTO CONTACT WITH THE WATER IN THE TANK.

LICENSES REQUIRED:

EACH SUCCESSFUL BIDDER MUST BE LICENSED BY THE OHIO DEPARTMENT OF AGRICULTURE AS A COMMERCIAL APPLICATOR AND ALL PERSONS INVOLVED IN THE ACTUAL SPRAYING WILL BE LICENSED AS COMMERCIAL OPERATORS IN THE APPROPRIATE SPRAY CATEGORY. APPROPRIATE LICENSES WILL BE SUBMITTED TO THE PROJECT SUPERVISOR, PRIOR TO COMMENCING WORK, FOR VERIFICATION.

OHIO DEPARTMENT OF AGRICULTURE REGULATION 901: 5-11-02 AND ODOT CONTRACT SPECIFICATIONS REQUIRE ALL ROADWAY HERBICIDE OPERATIONS BE ACCOMPLISHED BY A MINIMUM OF TWO PERSONNEL IN EACH SPRAY VEHICLE. A CDL LICENSED VEHICLE OPERATOR WILL BE REQUIRED WHERE APPLICABLE.

TRAFFIC:

THE CONTRACTOR SHALL CARRY ON THE WORK SO THAT IT DOES NOT INTERFERE WITH THE SAFE FLOW OF TRAFFIC. SEE MAINTENANCE OF TRAFFIC SHEET NO 7.

RESPONSIBILITY FOR DAMAGE CLAIMS-SEC.107.12 & 107.13:

THE CONTRACTOR WILL TAKE EVERY PRECAUTION IN HIS OPERATIONS TO AVOID PROPERTY DAMAGE AND ASSUME ALL LIABILITY FOR ANY DAMAGE RESULTING, AND WILL HOLD THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION HARMLESS.

CALCULATED	CHECKED
GENERAL NOTES	
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HERBICIDAL SPRAYING NON-SELECTIVE VEGETATION CONTROL

DESCRIPTION OF WORK:

THE WORK WILL CONSIST OF SPRAYING A SWATH OF 3' MINIMUM WIDTH IN FRONT OF, UNDER, AND BEHIND THE GUARDRAIL AND SWATH OF 1' MINIMUM WIDTH IN FRONT OF, UNDER AND BEHIND THE FENCE (SEE SPRAY DETAILS). BARRIER TYPE GUARDRAIL IS TO BE SPRAYED FROM BOTH SIDES TO GET SUFFICIENT WIDTH DESIRED. SPRAYING WILL BE PERFORMED AROUND ALL DELINEATORS, SIGNPOSTS, LIGHT POLES AND/OR THEIR FOUNDATIONS TO KILL ALL VEGETATION WITHIN 1.5'. NON-SPRAY AREAS ARE LISTED ELSEWHERE ON THIS SHEET.

METHOD OF PAYMENT:

THE METHOD OF PAYMENT FOR GUARDRAIL WILL BE THE NUMBER OF MILES OF GUARDRAIL TIMES THE PERCENT KILL ACHIEVED. THE PERCENT KILL ACHIEVED WILL BE DETERMINED BY INVENTORYING THE SAMPLE SECTIONS. THERE WILL BE A MINIMUM OF TWO SAMPLE SECTIONS ON EACH ROUTE SPRAYED. EACH SAMPLE SECTION WILL HAVE A MINIMUM LENGTH OF ONE MILE OF HIGHWAY. HOWEVER, AT LEAST 10% OF THE TOTAL MILES OF GUARDRAIL ON EACH ROUTE SPRAYED SHALL BE INSPECTED. THE SAMPLE SECTIONS WILL BE SELECTED BY ODOT. THE INSPECTION WILL BE PREFORMED AFTER SEPTEMBER 1ST. A 90 PERCENT KILL WILL BE CONSIDERED AS 100 PERCENT ACHIEVEMENT. 70-90 PERCENT KILL WILL BE CONSIDERED 75 PERCENT ACHIEVEMENT AND LESS THAN 70 PERCENT KILL WILL BE JUSTIFICATION FOR NONPAYMENT. ALL ROUTE ACHIEVEMENTS WILL BE AVERAGED AND USED PERCENT ACHIEVEMENT. ANY SIGNPOSTS, DELINEATORS, LIGHT POLES, AND/OR THEIR FOUNDATIONS WITHIN THE GUARDRAIL AREA TO BE SPRAYED WILL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM SPECIAL-HERBICIDAL SPRAYING, GUARDRAIL.

THE METHOD OF PAYMENT FOR CABLE RAIL WILL BE THE NUMBER OF MILES OF CABLE TIMES THE PERCENT KILL ACHIEVED. THE PERCENT KILL ACHIEVED WILL BE DETERMINED BY INVENTORYING THE SAMPLE SECTIONS THERE WILL BE A MINIMUM OF TWO SAMPLE SECTIONS ON EACH CABLE RAIL SPRAYED. A MINIMUM OF 10% OF THE TOTAL MILES OF EACH CABLE RAIL SPRAYED SHALL BE INSPECTED. THE SAMPLE SECTIONS WILL BE SELECTED BY ODOT. THE INSPECTION WILL BE PREFORMED AFTER SEPTEMBER 1ST. A 90 PERCENT KILL WILL BE CONSIDERED AS 100 PERCENT ACHIEVEMENT. 70-90 PERCENT KILL WILL BE CONSIDERED 75 PERCENT ACHIEVEMENT AND LESS THAN 70 PERCENT KILL WILL BE JUSTIFICATION FOR NONPAYMENT. ALL CABLE RAIL ACHIEVEMENTS WILL BE AVERAGED AND USED PERCENT ACHIEVEMENT.

THE METHOD OF PAYMENT FOR FENCE WILL BE THE NUMBER OF MILES OF FENCE TIMES THE PERCENT KILL ACHIEVED. THE PERCENT KILL ACHIEVED WILL BE DETERMINED BY INVENTORYING THE SAMPLE SECTIONS. THERE WILL BE A MINIMUM OF TWO SAMPLE SECTIONS ON EACH FENCE SPRAYED. A MINIMUM OF 10% OF THE TOTAL MILES FENCE SPRAYED SHALL BE INSPECTED. THE SAMPLE SECTIONS WILL BE SELECTED BY ODOT. THE INSPECTION WILL BE PREFORMED AFTER SEPTEMBER 1ST. A 90 PERCENT KILL WILL BE CONSIDERED AS 100 PERCENT ACHIEVEMENT. 70-90 PERCENT KILL WILL BE CONSIDERED 75 PERCENT ACHIEVEMENT AND LESS THAN 70 PERCENT KILL WILL BE JUSTIFICATION FOR NONPAYMENT. ALL FENCE ACHIEVEMENTS WILL BE AVERAGED AND USED AS PERCENT ACHIEVEMENT.

MIXTURE/APPLICATION RATES:

IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO SELECT A HERBICIDE FORMULATION AND APPLICATION RATE CAPABLE OF ACHIEVING A MINIMUM 90 PERCENT KILL OF ALL VEGETATION IN THE TREATMENT AREA FOR A PERIOD OF ONE GROWING SEASON. THE SELECTED HERBICIDE FORMULATION WILL CONSIST OF CHEMICALS APPROVED FOR USE BY THE U.S. ENVIRONMENTAL PROTECTION AGENCY (E.P.A.). FIELD SAMPLES OF THE FORMULATION WILL BE TAKEN AT THE DISCRETION OF THE ENGINEER.

NO HERBICIDE WILL BE USED WHICH IS UNDER INVESTIGATION BY THE E.P.A.

NOTE:

LATERAL LEACHING OF THE SPRAY MIXTURE WILL NOT EXCEED 1.5'. IF EXCESS LEACHING TAKES PLACE, IT WILL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE STATE OF OHIO.

NOTE:

THE CONTRACTOR, AT HIS DISCRETION UPON NOTIFICATION OF THE DISTRICT CONSTRUCTION ENGINEER, MAY TOUCH-UP THE WORK AREA DURING THE LIFE OF THIS PROJECT PRIOR TO THE FINAL COMPLETION DATE. THE TOUCH-UP HERBICIDE WILL BE THE SAME FORMULATION AS ORIGINALLY APPROVED.

NON-SPRAY AREAS:

THE CONTRACTOR WILL NOT SPRAY ANY VEGETATION OR USE ANY HERBICIDE WITHIN 0.25 MILES OF THE LOCATIONS LISTED BELOW.

(1) ADDRESS - 8819 SR 7, KINSMAN, OH. (APPROX SLM = 25.5)

(2) ADDRESS - 932 SR 88, BRISTOL, OH. (APPROX SLM = 8.90)

(3) ADDRESS - 5412 US 422, SOUTHTON, OH.

(4) ROUTES 193 & 304, LIBERTY TOWNSHIP CEMETERY - S.W. CORNER SR 193 & SR 304 INTERSECTION

IN ADDITION TO THE ABOVE MENTIONED AREAS. THERE WILL BE NO SPRAYING UNDER DOUBLE SIGN SUPPORTS. (EXCEPT AS SHOWN ON SHEET 4).

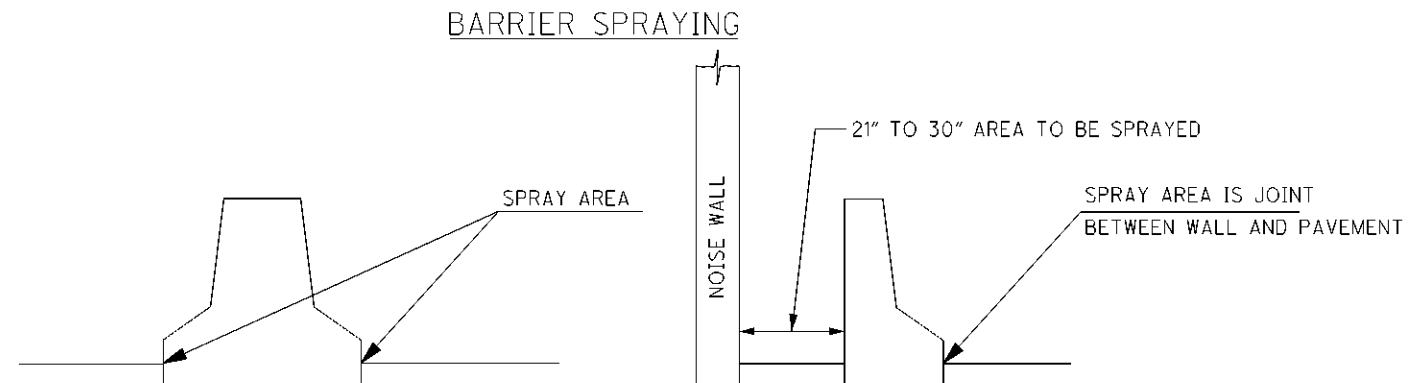
THE CONTRACTOR SHALL NOTIFY THE DISTRICT MAINTENANCE OFFICE 2 WORKING DAYS PRIOR TO ANY SPRAYING ON THESE ROUTES TO VERIFY THESE RESTRICTIONS.

HERBICIDAL SPRAYING

NO HERBICIDAL SPRAYING SHALL BE PERFORMED IN ANY STREAMS, WETLANDS OR OTHER WATERS OF THE UNITED STATES. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO PREVENT ACCIDENTAL SPILLAGE OF MATERIAL USED FROM ENTERING ANY STREAMS, WETLANDS OR OTHER WATERS OF THE UNITED STATES.

BARRIER SPRAYING

THE JOINT AT THE CONCRETE BARRIER AND PAVEMENT OR THE AREA BETWEEN THE BARRIER AND NOISE WALL WILL BE TREATED WITH NON-SELECTIVE VEGETATION CONTROL. THE INTENT OF THIS IS TO ELIMINATE GROWTH AT THE JOINT BETWEEN THE BARRIER AND ABUTTING PAVEMENT AND BETWEEN THE BARRIER AND NOISE WALL. ONLY BARRIER THAT ABUTS PAVEMENT OR NOISE WALLS WILL BE TREATED. PAYMENT FOR LIN. MILE WILL BE INCLUDED IN THE TOTAL QUANTITIES FOR HERBICIDAL SPRAYING, GUARDRAIL.



BASIS OF PAYMENT:

SPRAY IN THESE SECTIONS WILL BE CONFINED TO VEGETATION GROWING IN THE CRACKS OF THE ASPHALT UNDER THE GUARDRAIL. ANY DELINEATORS, SIGNPOSTS, LIGHT POLES, AND/OR THEIR FOUNDATIONS IN THE AREA OF GUARDRAIL TO BE SPRAYED WILL BE INCLUDED IN THE ITEM COST.

ALL DELINEATORS, SIGNPOSTS, LIGHT POLES AND/OR THEIR FOUNDATIONS NOT WITHIN THE GUARDRAIL AREAS WILL BE SPRAYED AS SHOWN ON SHEET 4 AND BE PAID FOR UNDER ITEM SPECIAL HERBICIDAL SPRAYING, DELINEATORS, SIGNPOSTS, LIGHT POLES AND/OR THEIR FOUNDATIONS.

RAMPS ON ALL PRIORITY ROUTES ARE INCLUDED FOR PAYMENT IN THE QUANTITY LISTED IN THE GENERAL SUMMARY.

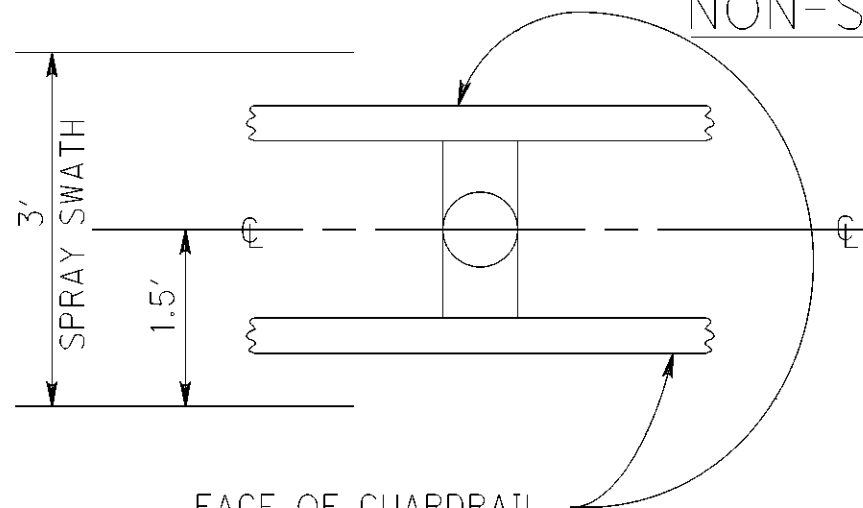
GENERAL NOTES

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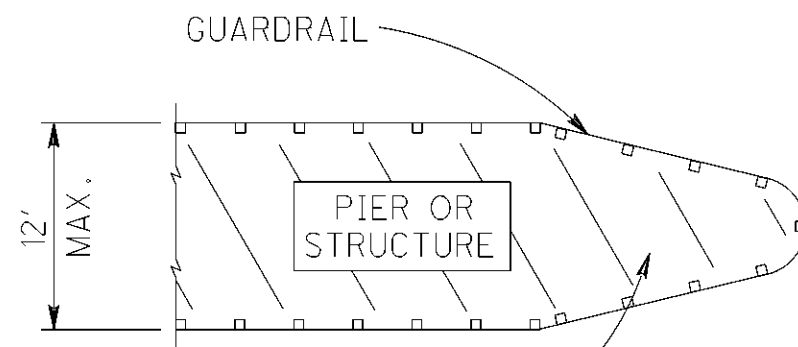
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CALCULATED
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NON-SELECTIVE VEGETATION CONTROL SPRAY DETAILS



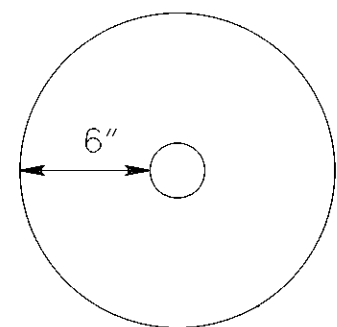
FACE OF GUARDRAIL
BARRIER TYPE GUARDRAIL



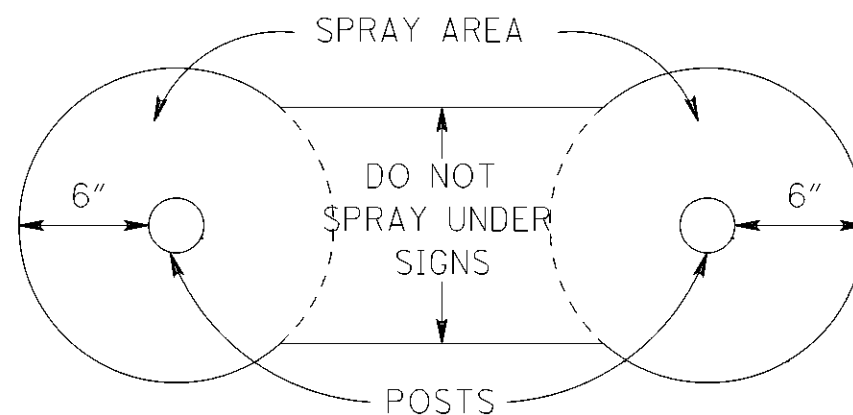
AREA TO BE SPRAYED
GUARDRAIL AT PIERS

DESIGN A OR B SEE STANDARD DRAWING, GR-6.2

SPRAY AREA



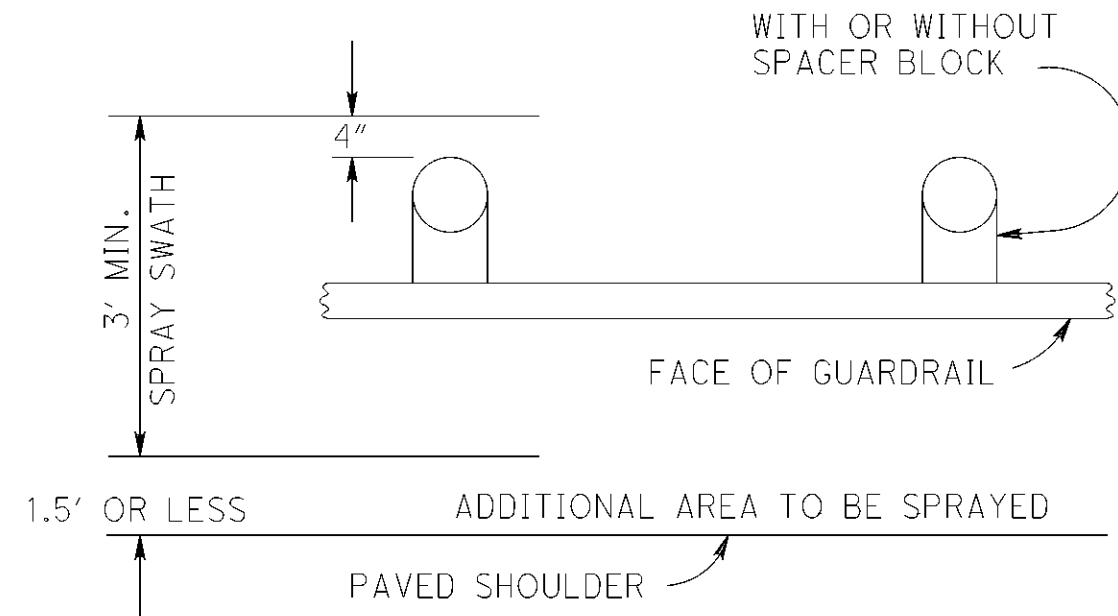
SINGLE DELINEATOR,
POST, OR POLE



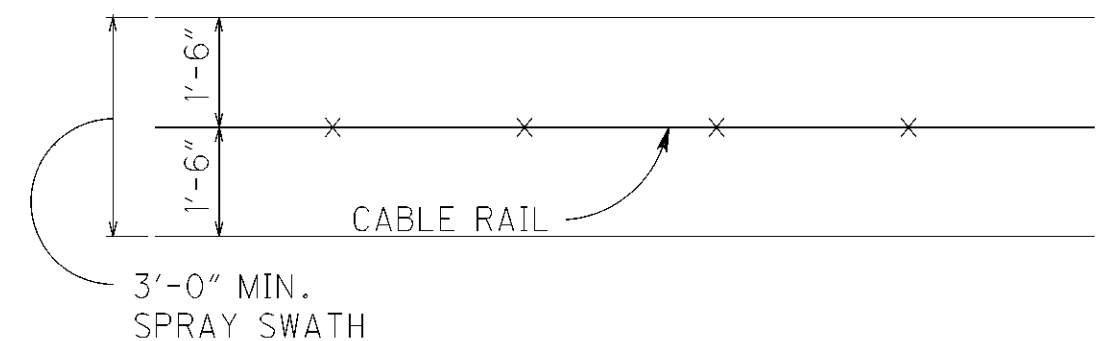
DOUBLE SIGN SUPPORTS

DELINEATORS, SIGNPOSTS AND LIGHT POLES

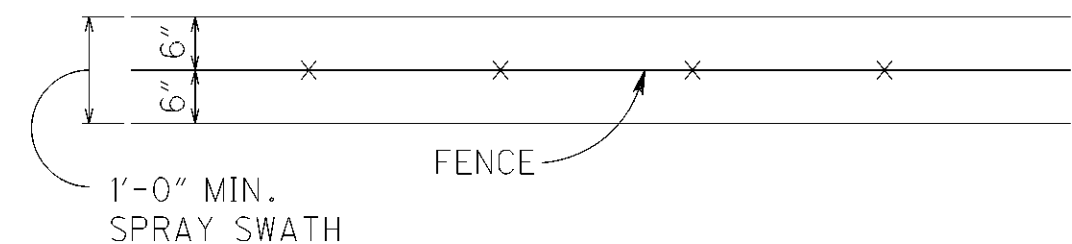
EXTRA AREAS: AN ADDITIONAL 20% OF AREA HAS BEEN ESTIMATED AND ADDED TO THE QUANTITIES GIVEN IN THE PLAN TO TREAT THE AREA BETWEEN THE EDGE OF THE PAVED SHOULDER AND THE REQUIRED 3' SPRAY SWATH. SEE SKETCH BELOW. THESE ADDITIONAL AREAS WILL BE DOCUMENTED ON THE CONTRACTOR'S DAILY REPORT. PAYMENT FOR THESE AREAS WILL BE INCLUDED WITH ITEM SPECIAL, HERBICIDAL SPRAYING, GUARDRAIL.



GUARDRAIL



CABLE RAIL



FENCE

GENERAL NOTES

D04-HS-FY2012

HERBICIDAL SPRAYING
SELECTIVE VEGETATION CONTROL

DESCRIPTION OF WORK:

THE WORK WILL CONSIST OF SPRAYING A HERBICIDAL SOLUTION TO CONTROL THE DESIGNATED VEGETATION.

MIXTURE / APPLICATION RATES:

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO SELECT A HERBICIDE FORMULATION AND APPLICATION RATE CAPABLE OF ACHIEVING A MINIMUM 80 PERCENT KILL OF CANADIAN THISTLE, MILKWEED, CHICKORY (BLUETOP), WILD CARROT AND SOME WOODY STEMMED BRUSH TYPE VEGETATION. THE SELECTED HERBICIDE FORMULATION WILL CONSIST OF CHEMICALS APPROVED FOR USE BY THE U.S. ENVIRONMENTAL PROTECTION AGENCY (EPA). FIELD SAMPLES OF THE FORMULATION WILL BE TAKEN AT THE DISCRETION OF THE ENGINEER. NO HERBICIDE WILL BE USED WHICH WILL CAUSE DAMAGE TO DESIRABLE TURF AREAS OR WHICH ARE UNDER INVESTIGATION BY THE EPA.

METHOD OF PAYMENT:

MEASUREMENT WILL BE THE NUMBER OF ACRES SPRAYED TIMES THE PERCENT KILL ACHIEVED. THE PERCENT KILL ACHIEVED IN THE RANDOM SELECTED SAMPLE SECTIONS IS CALCULATED BY INVENTORYING THE NUMBER OF TARGET SPECIES KILLED BY THE SPRAY, COMPARED TO THE TOTAL NUMBER IN THE SAMPLE SECTION. AN 80 PERCENT KILL OF THE ABOVE REFERENCED WEEDS WILL BE CONSIDERED AS 100 PERCENT ACHIEVEMENT; 50 TO 79 PERCENT KILL WILL CONSTITUTE A 75 PERCENT ACHIEVEMENT; LESS THAN 50 PERCENT WILL BE JUSTIFICATION TO HAVE THE CONTRACTOR COMPLETELY RE SPRAY THAT COUNTY, AT THE DISCRETION OF THE ENGINEER. THE SAMPLE SECTIONS WILL BE SELECTED BY THE OHIO DEPARTMENT OF TRANSPORTATION AND INSPECTION WILL BEGIN WITHIN 12-14 DAYS FOLLOWING THE NOTIFICATION OF WORK COMPLETED. THERE WILL BE 10 SAMPLE SECTIONS CHOSEN IN EACH COUNTY SPRAYED. THE SAMPLE SECTION WILL BE 20 FT. IN LENGTH AND WIDTH OF THE TYPICAL SECTION. THE SECTIONS WILL BE AVERAGED TO DETERMINE THE AVERAGE PERCENT KILL.

NOTE: IN ORDER TO CLASSIFY A PLANT AS KILLED, WEED SPRAY DAMAGE WILL BE IN EVIDENCE THROUGHOUT THE PLANT.

BASIS OF PAYMENT :

PAYMENT WILL BE MADE AT THE CONTRACT BID PRICE FOR HERBICIDAL SPRAYING, WEED AND BRUSH CONTROL FROM ROAD FOR THE NUMBER OF ACRES SPRAYED ADJUSTED AS DESCRIBED ABOVE.

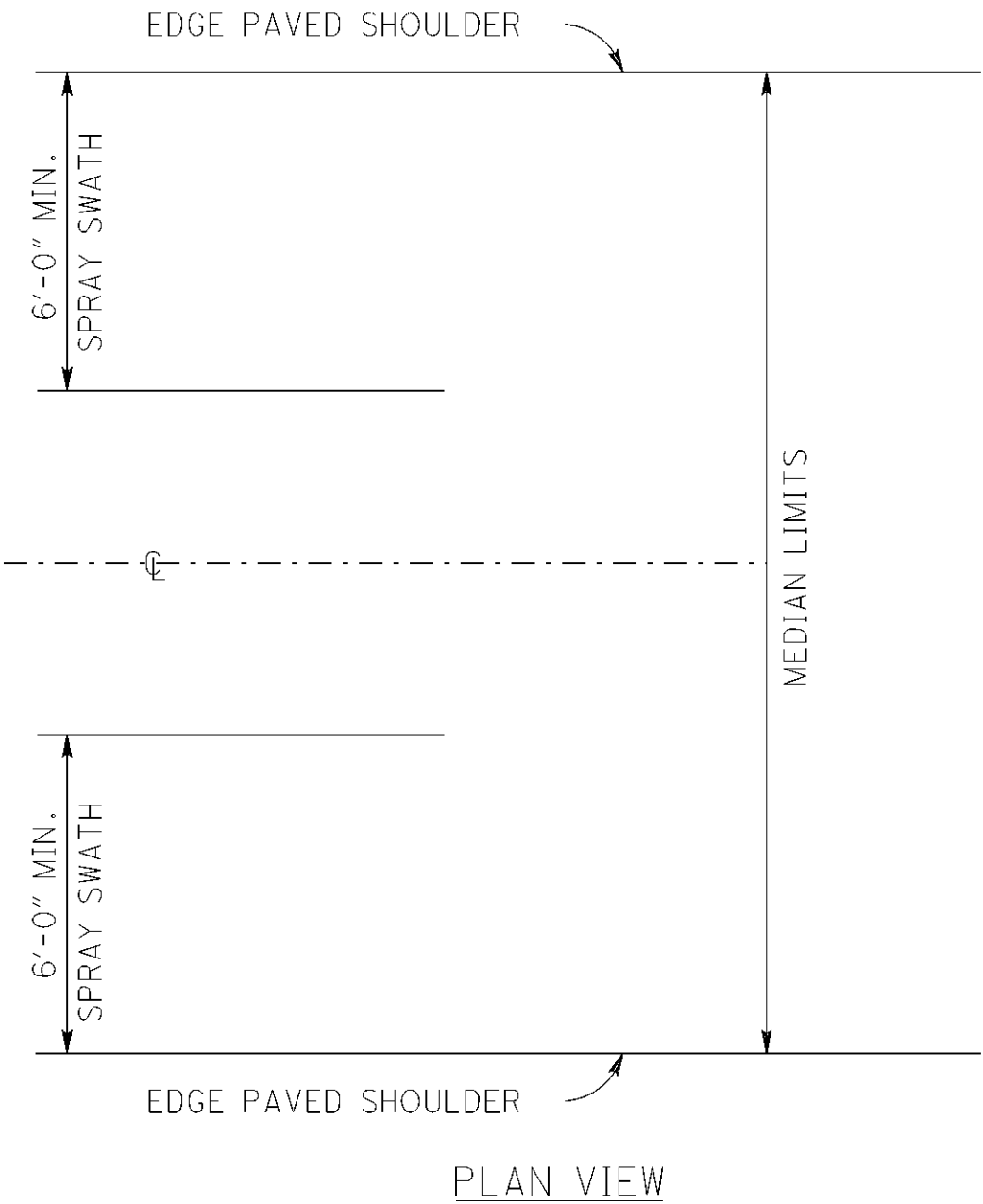
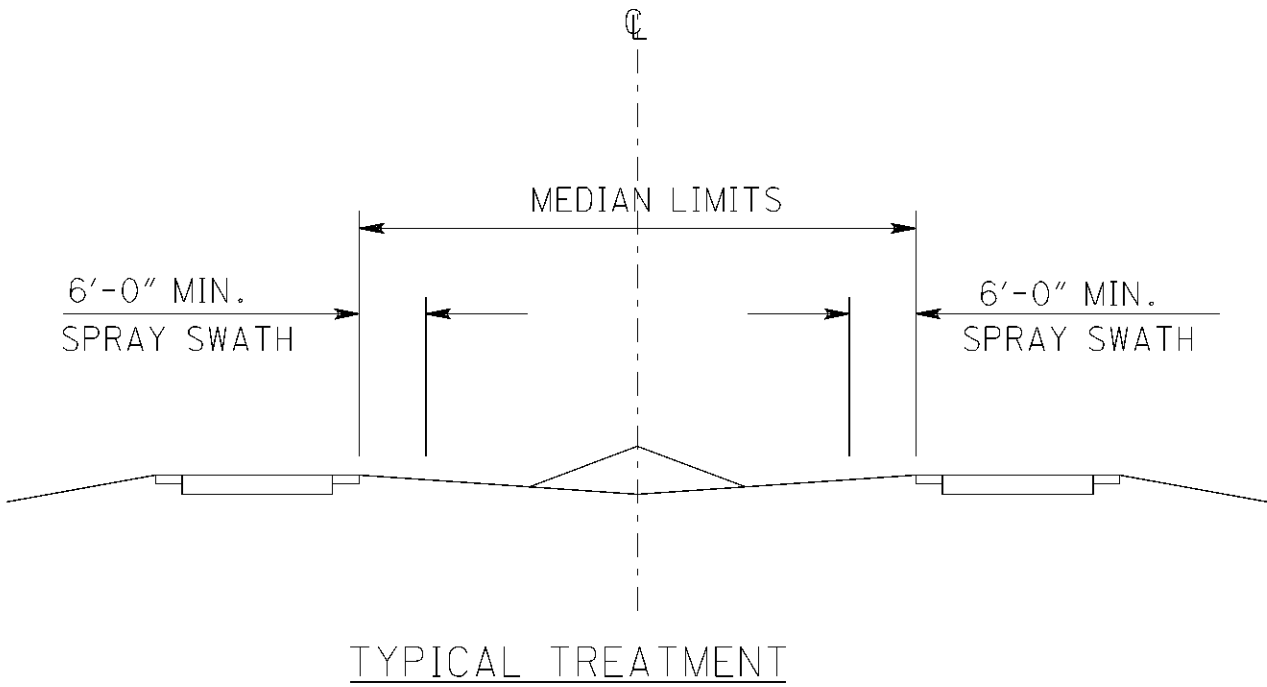
RAMPS ON ALL PRIORITY ROUTES ARE INCLUDED FOR PAYMENT IN THE QUANTITY LISTED IN THE GENERAL SUMMARY.

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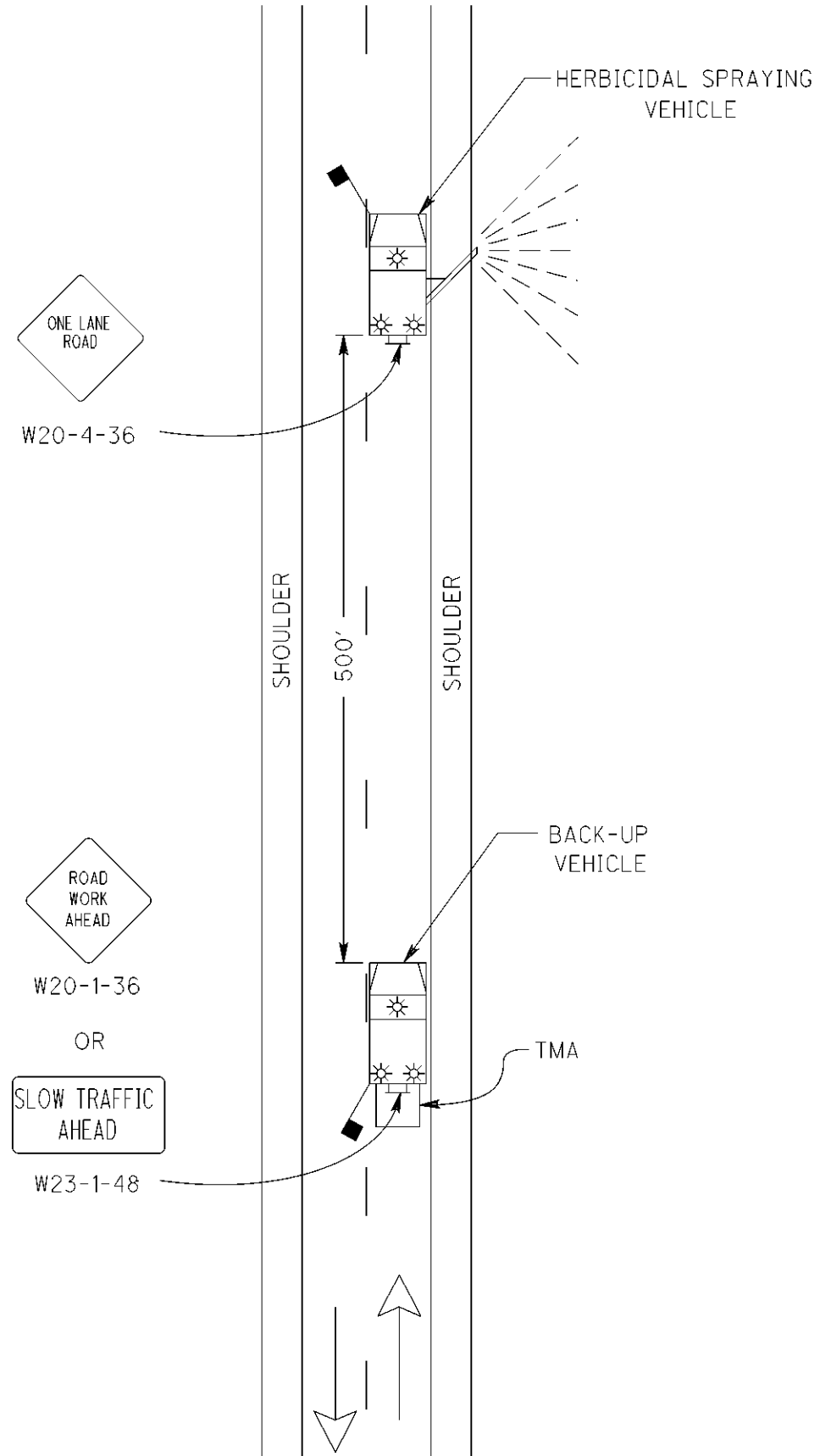
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SELECTIVE VEGETATION CONTROL SPRAY DETAILS

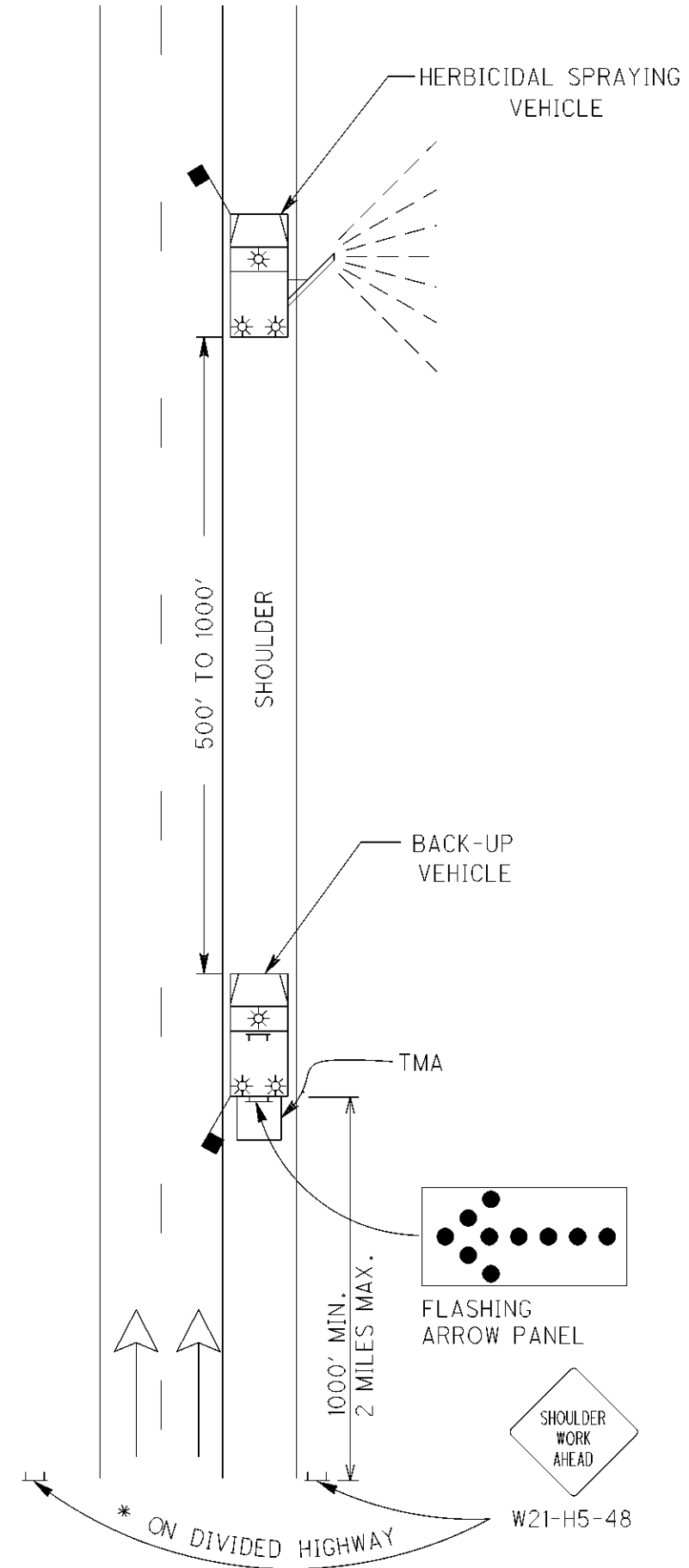
NOTE: THE DETAILS ON THIS SHEET APPLY ONLY TO THE SELECTIVE
HERBICIDAL SPRAYING.



2-LANE HIGHWAY, 2-WAY TRAFFIC



2 OR MORE LANE HIGHWAY
DIVIDED OR UNDIVIDED



⚡ = FLASHER
🚩 = FLAG

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GENERAL NOTES

WHENEVER HERBICIDAL SPRAYING OPERATIONS ARE BEING CONDUCTED FROM THE EXTREME LEFT OR RIGHT TRAVELED LANE OR EITHER SHOULDER, THE TRAFFIC CONTROL SHOWN ON THIS DETAIL IS REQUIRED.

ALL VEHICLES WILL BE EQUIPPED WITH:

- A. 360 DEGREE ROTATING OR STROBE YELLOW FLASHERS MOUNTED 8' FT MINIMUM ABOVE THE PAVEMENT ON THE RIGHT AND LEFT REAR OF THE VEHICLE AND ON THE TOP OF THE CAB.
- B. FLAGS, AS INDICATED.

ALL BACK-UP VEHICLES WILL BE EQUIPPED WITH A TRUCK MOUNTED IMPACT ATTENUATOR (TMA).

ON 2 LANE HIGHWAYS WITH 2 WAY TRAFFIC, THE BACK-UP VEHICLE WILL BE USED TO WARN TRAFFIC OF THE OPERATION AHEAD. WHENEVER ADEQUATE STOPPING SIGHT DISTANCE EXISTS BEHIND BOTH VEHICLES, THE BACK-UP VEHICLE WILL MAINTAIN THE MINIMUM DISTANCE AND PROCEED AT APPROXIMATELY THE SAME SPEED AS THE HERBICIDAL SPRAYING VEHICLE. THE BACK-UP VEHICLE WILL SLOW DOWN OR STOP IN ADVANCE OF VERTICAL OR HORIZONTAL CURVES WHICH RESTRICT SIGHT DISTANCE. 2-WAY RADIO OR OTHER MEANS OF COMMUNICATION SHOULD BE USED WHEN OPERATING ON 2 LANE HIGHWAYS WITH 2 WAY TRAFFIC TO EFFECTIVELY CONTROL VEHICLE SPACING. WHEN THE HERBICIDAL SPAYING VEHICLE IS OUT OF THE BACK-UP VEHICLE'S SIGHT, THE BACK-UP VEHICLE CAN STOP OR SLOW DOWN AS NEEDED. IN ADDITION TO REQUIREMENTS LISTED ABOVE, THE BACK-UP VEHICLE WILL BE EQUIPPED WITH AN W23-1-48 "SLOW TRAFFIC AHEAD" SIGN WITH THE BOTTOM OF THE SIGN MOUNTED 4 FT. MINIMUM ABOVE PAVEMENT. THE SIGN LEGEND ON THE BACK-UP VEHICLE WILL BE COVERED OR TURNED FROM VIEW WHEN WORK IS NOT IN PROGRESS. A BACK-UP VEHICLE SHALL ALSO BE USED ON 2 OR MORE LANE HIGHWAYS, DIVIDED OR UNDIVIDED.

ON 4 OR MORE LANE DIVIDED HIGHWAYS ON THE BACK UP VEHICLE, THE FLASHING OR SEQUENCING ARROW PANEL WILL BE USED TO DIRECT TRAFFIC TO THE LEFT OR RIGHT (ARROW) OR TO WARN TRAFFIC (CAUTION BAR). FLASHING OR SEQUENCING ARROW PANEL USE WILL BE IN ACCORDANCE WITH SECTION 6F.53 OF THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. WHEN SPRAYING THE MEDIAN (LEFT HAND SIDE) OF A 4 OR MORE LANE DIVIDED HIGHWAY WITH THE HERBICIDAL SPRAYING VEHICLE MAY ENCROACH ON THE TRAVELED ROADWAY. THE TRAFFIC CONTROL SHOWN ON FIGURE TA-35 OF THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES WILL BE USED.

THE TRAFFIC CONTROL FOR HERBICIDAL SPRAYING OF THE RIGHT HAND SIDE OF MULTI-LANE UNDIVIDED HIGHWAYS WILL BE THE SAME AS THE TRAFFIC CONTROL FOR HERBICIDAL SPRAYING OF THE RIGHT HAND SIDE OF 4 OR MORE LANE DIVIDED HIGHWAYS.

WHENEVER THE HERBICIDAL SPRAYING VEHICLE MUST STOP ALONG THE HIGHWAY TO HAVE ITS TANK LOADED, IT SHOULD DO SO EITHER BEYOND THE RIGHT SHOULDER OR ON THE RIGHT SHOULDER. FOR THESE SITUATIONS, THE TRAFFIC CONTROL SHOWN ON FIGURES TA-1 OR TA-4 RESPECTIVELY OF THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES WILL BE USED.

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

LANE CLOSURES

DURATION OF LANE CLOSURES AND RESTRICTIONS SHALL BE AS PER THE PERMITTED LANE CLOSURE CHART. THE PERMITTED 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 \$1000 PER HOUR OR PORTION THEREOF THAT THE LANE REDUCTION REMAINS BEYOND THE SPECIFIED LIMIT.

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HERBICIDAL SPRAYING NON-SELECTIVE VEGETATION CONTROL

LOCATION									
PART	COUNTY	ROUTE	SECTION (S.L.M.)		GUARDRAIL SPRAYED MILE	CABLE RAIL SPRAYED MILE	SIGNPOSTS, DELINEATORS, LIGHT POLES SPRAYED EACH	FOR INFORMATION ONLY TOTAL AREA SPRAYED ACRE	REMARKS
			FROM	TO					
1	SUM	I-76	0.00	15.73	10.84	9.51		10.03	MEDINA COUNTY LINE TO EAST AKRON CORP.
					6.72			4.07	RAMPS
		I-77	9.73	12.26	1.64			0.99	AKRON SOUTH CORP. TO EAST JCT. I-76
					0.47			0.28	RAMPS
					15.18	19.51		1.63	WEST JCT. I-76 TO AKRON NORTH CORP.
					2.17			1.32	RAMPS
		I-277	0.00	4.02	2.82			1.71	I-77 TO I-76
					4.14			2.51	RAMPS
							1600		
					31.49	9.51	1600	22.54	PART 1 TOTALS CARRIED TO GENERAL SUMMARY
2	TRU	I-80	0.00	12.33	2.62			1.69	MAHONING COUNTY LINE TO PENNSYLVANIA
		US-62	0.00	9.23	2.83			1.83	MAHONING COUNTY LINE TO PENNSYLVANIA
					0.76			0.4	RAMPS
		US-422	0.00	19.29			**		SIGN POSTS & DELINEATORS ONLY - PORTAGE CO. TO GIRARD NORTH CORP.; OMIT WARREN, NILES
		SR-5	0.00	35.43	4.33			2.8	PORTAGE COUNTY LINE TO PENNSYLVANIA
		SR-5BY	0.00	7.60	1.35			0.87	SR-5 TO SR-5 (WEST MARKET STREET TO ELM ROAD)
					1.89			0.9	RAMPS
		SR-7	5.71	27.87	2.08			1.34	US-62 TO ASHTABULA COUNTY LINE; OMIT YANKEE LAKE
		SR-11	3.45	28.47	5.39			3.48	I-80 TO ASHTABULA COUNTY LINE
					2.27			1.1	RAMPS
		SR-45	4.91	26.46	1.78			1.15	LORDSTOWN NORTH CORP. TO ASHTABULA COUNTY LINE; OMIT WARREN
		SR-46	0.00	26.34	2.18			1.41	MAHONING COUNTY LINE TO ASHTABULA COUNTY LINE; OMIT NILES, CORTLAND
		SR-82	0.00	26.46	2.45			1.58	PORTAGE COUNTY LINE TO US 62; OMIT WARREN
					1.14			0.6	RAMPS
					1.28			0.82	CONCRETE BARRIER
		SR-87	0.00	22.36	2.31			1.49	GEAUGA COUNTY LINE TO SR-5
		SR-88	0.00	25.56	5.73			3.7	GEAUGA COUNTY LINE TO PENNSYLVANIA; OMIT WEST FARMINGTON
		SR-169	0.00	4.93	0.01			0.01	US-422 TO WARREN SOUTH CORP.; OMIT NILES
		SR-193	0.00	25.44	1.36			0.88	MAHONING COUNTY LINE TO ASHTABULA COUNTY LINE
		SR-303	0.00	1.28	0.36			0.23	PORTAGE COUNTY LINE TO SR-82
		SR-304	1.31	9.97	0.98			0.63	GIRARD EAST CORP. TO PENNSYLVANIA; OMIT HUBBARD
		SR-305	0.00	26.61	1.35			0.87	MAHONING COUNTY LINE TO ASHTABULA COUNTY LINE; OMIT MOSQUITO LAKE DAM
		SR-534	0.00	27.02	2.95			1.91	MAHONING COUNTY LINE TO ASHTABULA COUNTY LINE; OMIT NEWTON FALLS
		SR-609	0.00	1.77			**		SIGN POSTS & DELINEATORS ONLY - SR-7 TO ORANGEVILLE WEST CORP.
							13000		
					47.4		13000	29.69	PART 2 TOTALS CARRIED TO GENERAL SUMMARY

D04-HS-FY2012	NON-SELECTIVE DATA SHEET		CALCULATED
			CHECKED

CHECKED	CALCULATED
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SELECTIVE DATA SHEET

[illegible]