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 CUY-480-13.55 VARIOUS
 99420
 DIST. 12
 05-26-99
 PID # 19508

PART	COUNTY	ROUTE	BRIDGE NUMBER	S.F.N.	WORK LIMITS		NET LENGTH MILES	TOWNSHIP	CITY	VILLAGE
					BEGIN	END				
1	CUYAHOGA	480	1355	1803255	10+60.95	16+41.12	0.11		CLEVELAND	
2	CUYAHOGA	480	1432	1809644	6+19.38	10+36.82	0.08		CLEVELAND	
3	CUYAHOGA	480	1506	1810073	4+33.89	8+28.80	0.07		CLEVELAND	
4	CUYAHOGA	480	1586	1802402	12+03.13	17+36.79	0.10			BROOKLYN HEIGHTS
5	CUYAHOGA	480	1594	1813048	8+08.59	13+35.61	0.10			BROOKLYN HEIGHTS
6	CUYAHOGA	480	1598	1813056	4+44.74	9+41.26	0.09			BROOKLYN HEIGHTS
7	CUYAHOGA	480	1686	1813099	4+44.74	9+41.26	0.09			BROOKLYN HEIGHTS
8	CUYAHOGA	176A	1229	1810189	204+1749	215+19.32	0.21		CLEVELAND	

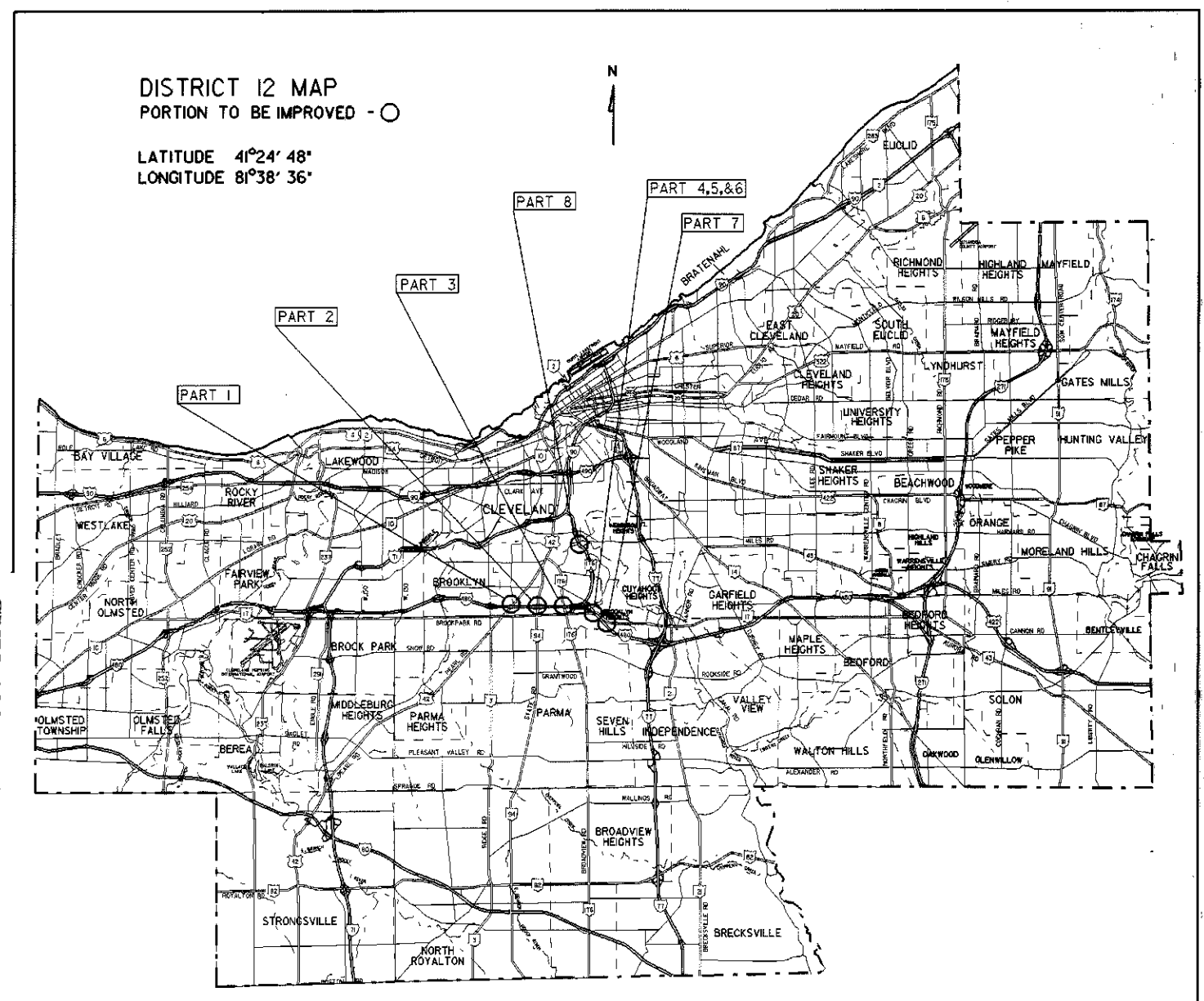
PROJECT DESCRIPTION:
 SUBSTRUCTURE AND PARAPET SEALING
 PIER PROTECTION INSTALLATION ON SR-176A
1997 SPECIFICATIONS

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 to traffic of the highway and that provisions for the maintenance and safety will be as set forth on plans and estimates.

Approved Date 2-2-99 *[Signature]*
 District Deputy Director of Transportation

Approved Date 3-2-99 *[Signature]*
 Director, Department of Transportation



UNDERGROUND UTILITIES
 2 WORKING DAYS
 BEFORE YOU DIG
 CALL TOLL FREE 800-362-2764
 OHIO UTILITIES PROTECTION SERVICE
 NON MEMBERS
 MUST BE CALLED DIRECTLY

INDEX OF SHEETS

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PLAN PREPARED BY:
 O.D.O.T.
 DISTRICT 12 BRIDGE
 DEPARTMENT

STANDARD DRAWINGS		STANDARD DRAWINGS	
MT 35.10M	1/30/95	TC 41.20M	7/1/94
MT 35.11M	1/30/95	TC 52.10	4/3/79
MT 97.10	4/29/88	TC 52.20	4/3/79
MT 98.14	6/24/93		
MT 98.15	6/24/93		
MT 105.10	7/1/92		
MT 105.11	7/1/92		
TC 41.10	8/29/84		

FEDERAL PROJECT NO. NON-FEDERAL
 PID NO. 19508
 CONSTRUCTION PROJECT NO.
 RAILROAD INVOLVEMENT
 CUYAHOGA COUNTY
 CUY-480-13.55/VAR.
 1/10

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① CUY-480-1355

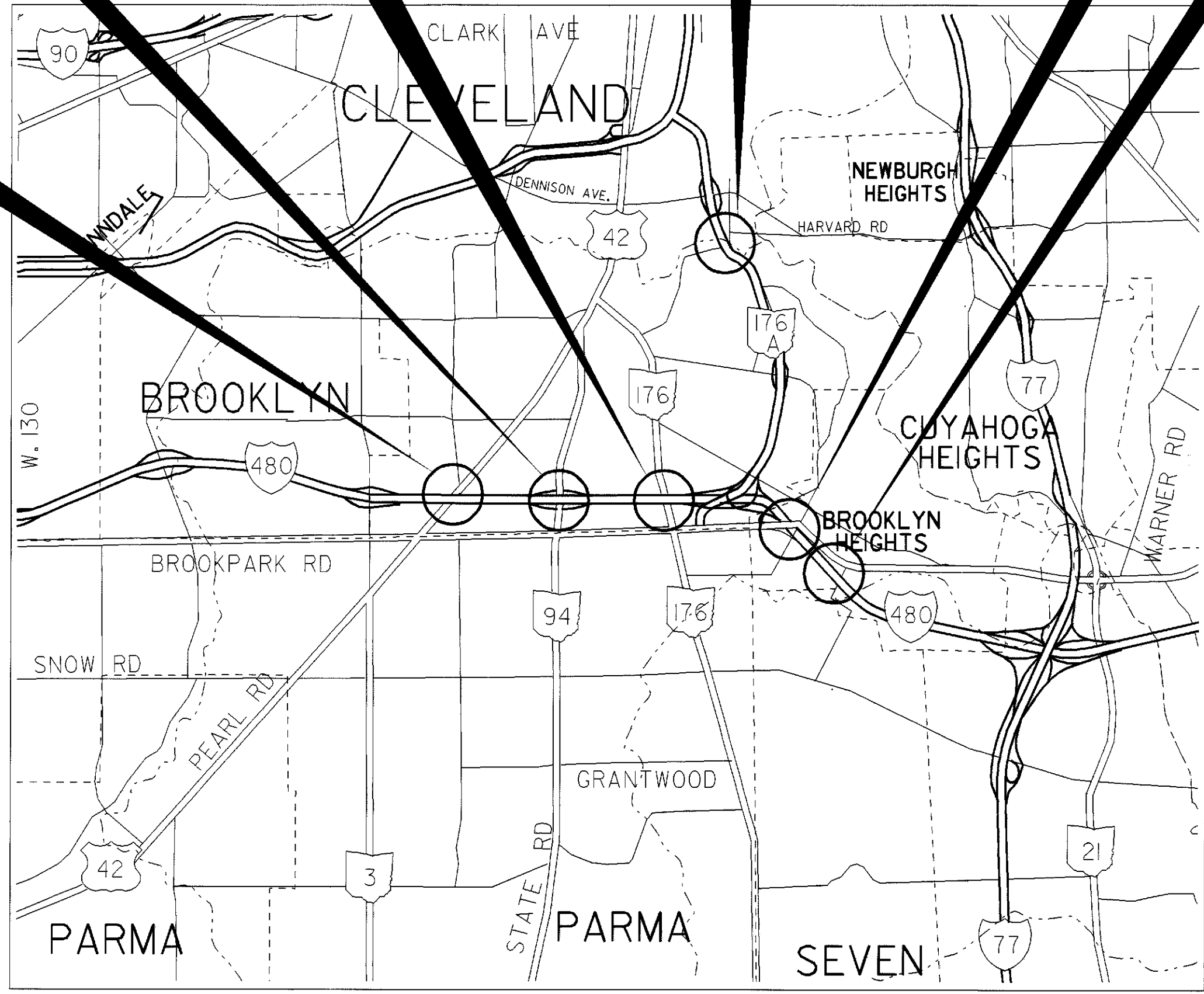
② CUY-480-1432

③ CUY-480-1506

⑧ CUY-176A-1229

④ CUY-480-1586
⑤ CUY-480-1594
⑥ CUY-480-1598

⑦ CUY-480-1686



GENERAL NOTES

PROPOSAL NOTES

COOPERATION WITH RAILROADS AND RAILROAD PROTECTIVE LIABILITY INSURANCE (CONRAIL)

SEALING OF CONCRETE SURFACES

LIMITATIONS OF OPERATIONS

THE CONTRACTOR'S ACTIVITIES AND WORK SCHEDULE SHALL BE CONSTRAINED BY THE FOLLOWING SPECIAL LIMITATIONS:

1. MAINTENANCE OF TRAFFIC RESTRICTIONS.
2. SUNDAY WORK IS PERMITTED.

ITEM SPECIAL - SEALING OF CONCRETE SURFACES (NON-EPOXY)

ITEM SPECIAL - SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)

THE FOLLOWING WORK SHALL BE PERFORMED ON THE FOLLOWING PARTS.

SUBSTRUCTURE:

PARTS 1 - 7

SEAL ALL EXPOSED SUBSTRUCTURE COMPONENTS, INCLUDING ABUTMENTS, WINGWALLS, PIERS, PIER CAPS, BACKWALLS, AND BRIDGE SEATS WITH EPOXY-URETHANE. (MSE WALLS AND RETAINING WALLS, WHICH ARE NOT CONSIDERED TO BE WINGWALLS, ARE NOT TO BE SEALED)

SUPERSTRUCTURE:

PARTS 1 - 2

SEAL THE SUPERSTRUCTURES AS PER DETAIL A. THE PARAPETS AND SIDEWALKS ON THE APPROACH SLABS, ADJACENT RETAINING WALLS, AND ADJACENT RAILROAD BRIDGES SHALL BE SEALED AS PER DETAIL C

PART 3

SEAL THE SUPERSTRUCTURE AS PER DETAILS A AND B. DETAIL B SHALL BE USED ON THE PORTION OVER THE RAILROAD. DETAIL A SHALL BE USED ON THE PORTIONS NOT OVER THE RAILROAD. THE PARAPETS AND SIDEWALKS ADJACENT TO THE APPROACH SLABS SHALL BE SEALED AS PER DETAIL C

PARTS 4, 5, AND 7

SEAL THE SUPERSTRUCTURES AS PER DETAIL A. THE PARAPETS AND SIDEWALKS ON THE APPROACH SLABS SHALL BE SEALED AS PER DETAIL A EXCEPT THAT THE EPOXY-URETHANE SEALER SHALL EXTEND TO THE SEALER APPLIED TO THE WINGWALL UNDER "SUBSTRUCTURE."

CONVERSION OF METRIC STANDARD DRAWINGS

THE METRIC STANDARD DRAWINGS REFERENCED IN THIS PLAN SHALL BE CONVERTED TO ENGLISH UNITS USING THE SI (METRIC) TO ENGLISH CONVERSION FACTORS PROVIDED IN SECTION 109.011 OF THE 1997 CONSTRUCTION AND MATERIALS SPECIFICATIONS. THE APPENDIX OF ASTM E 380 SHALL BE UTILIZED FOR ANY ADDITIONAL CONVERSION FACTORS REQUIRED. CONVERSIONS SHALL BE APPROPRIATELY PRECISE AND SHALL REFLECT STANDARD INDUSTRY ENGLISH VALUES WHERE SUITABLE.

ESTIMATED QUANTITIES

PREMIUM ON RAILROAD'S PROTECTIVE PUBLIC LIABILITY					①	②	③	④	⑤	⑥	⑦	⑧	GENERAL
* AS DIRECTED BY THE ENGINEER					CUY-480-1355 US-42 OVER I-480	CUY-480-1432 SR-94 OVER I-480	CUY-480-1506 SR-176 OVER I-480 AND CONRAIL	CUY-480-1586 SR-17 OVER I-480	CUY-480-1594 TUXEDO AVE. OVER I-480	CUY-480-1598 SANITARY CONDUIT OVER I-480	CUY-480-1686 PORTAL DRIVE OVER I-480	CUY-176A-1229 SR-176A OVER BIG CREEK	
ITEM	ITEM EXT.	DESCRIPTION	TOTAL	UNIT									
SPECIAL	10000300	PREMIUM ON RAILROAD'S PROTECTIVE PUBLIC LIABILITY AND PROPERTY DAMAGE LIABILITY INSURANCE (CONRAIL)	LUMP	LUMP			LUMP						
SPECIAL	51267504	SEALING CONCRETE SURFACES (NON EPOXY)	4506	S.Y.	908	404	606	1004	722		864		
SPECIAL	51267510	SEALING CONCRETE SURFACES (EPOXY-URETHANE)	12204	S.Y.	2356	1220	1780	3094	1717	112	1925		
614	11000	MAINTAINING TRAFFIC	LUMP	LUMP									LUMP
614	11100	LAW ENFORCEMENT OFFICER WITH PATROL CAR	96	M.H.									96
622	40030	PORTABLE CONCRETE BARRIER, 50"	1300	L.F.								1300	
624	10000	MOBILIZATION	LUMP	LUMP									LUMP

BRIDGE DATA

PART NUMBER :	①	②	③	④	⑤	⑥	⑦	⑧
BRIDGE NUMBER :	CUY-480-1355	CUY-480-1432	CUY-480-1506	CUY-480-1586	CUY-480-1594	CUY-480-1598	CUY-480-1686	CUY-176A-1229
LOCATION :	US-42 OVER I-480	SR-94 OVER I-480	SR-176 OVER I-480 AND CONRAIL	SR-17 OVER I-480	TUXEDO AVE. OVER I-480	SANITARY CONDUIT OVER I-480	PORTAL DRIVE OVER I-480	SR-176A OVER BIG CREEK
MIN VERTICAL CLEARANCE	16'-4"	16'-2"	16'-2"	19'-3"	17'-6"	17'-3"	20+	20+
OVERALL LENGTH	300	209	335	484	377	510	452	1102
NUMBER OF SPANS	2	2	3	5	6	7	5	8
LONGEST SPAN	147	102	120	121	81	88	110	188
ROADWAY WIDTH ON BRIDGE	56	94	52	60	28	N/A	26	119
NUMBER OF LANES UNDER BRIDGE	10	8	8	9	12	13	9	2

ORIGINAL CONSTRUCTION DRAWING

THE ORIGINAL CONSTRUCTION DRAWING FOR THESE STRUCTURES ARE AVAILABLE FOR VIEWING AT

ODOT, DISTRICT 12
5500 TRANSPORTATION BLVD.
GARFIELD HEIGHTS, OHIO
(216) 581-2100

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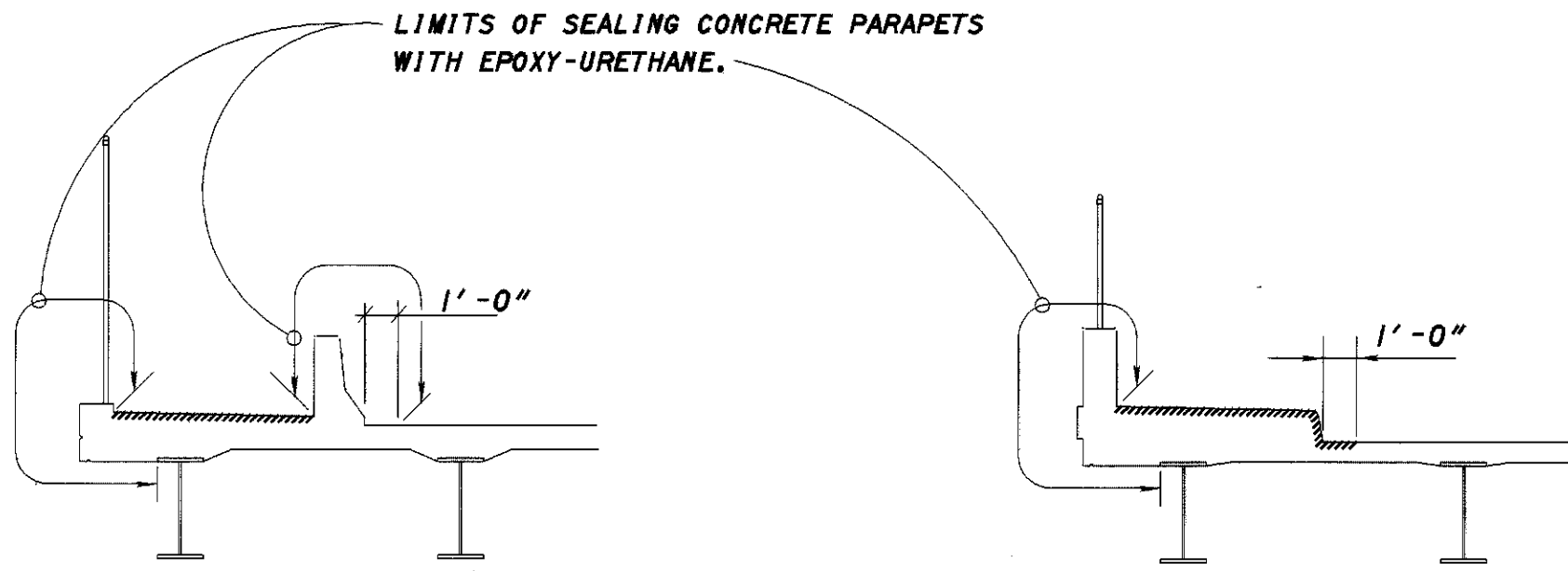
OHIO DEPARTMENT OF TRANSPORTATION DISTRICT 12 PRODUCTION DEPARTMENT

DATE: 1-99
 REVISION: JL
 DRAWING NUMBER: SEE TITLE SHEET
 CHECKED: RAC

GENERAL NOTES & ESTIMATED QUANTITIES CUY-480-13.55/VAR

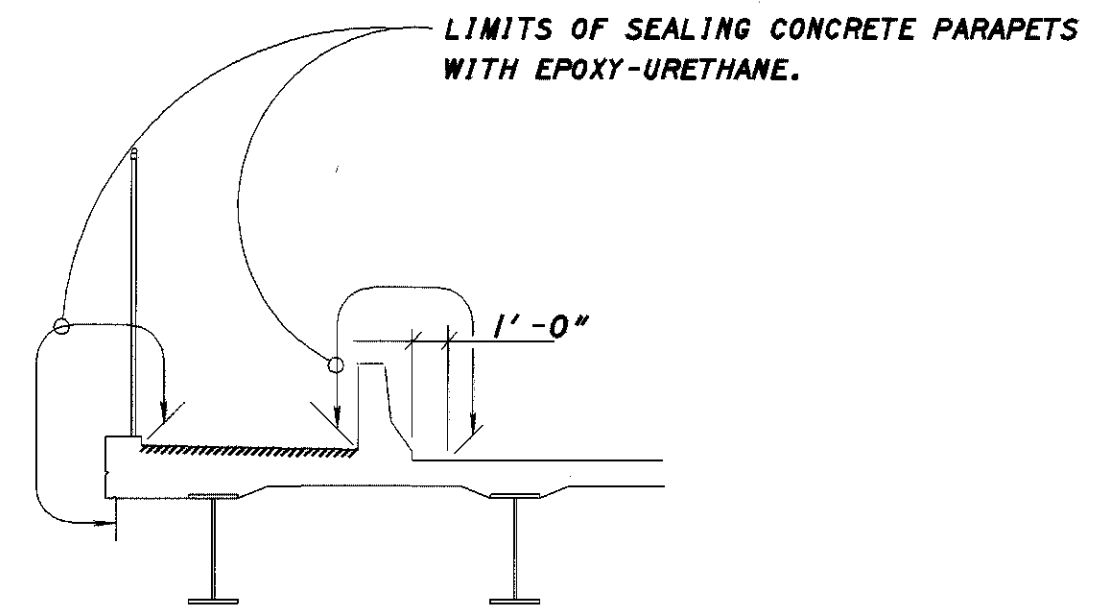
CUYAHOGA COUNTY CUY-480-13.55/VAR

LIMITS OF SEALING CONCRETE SURFACES NON-EPOXY



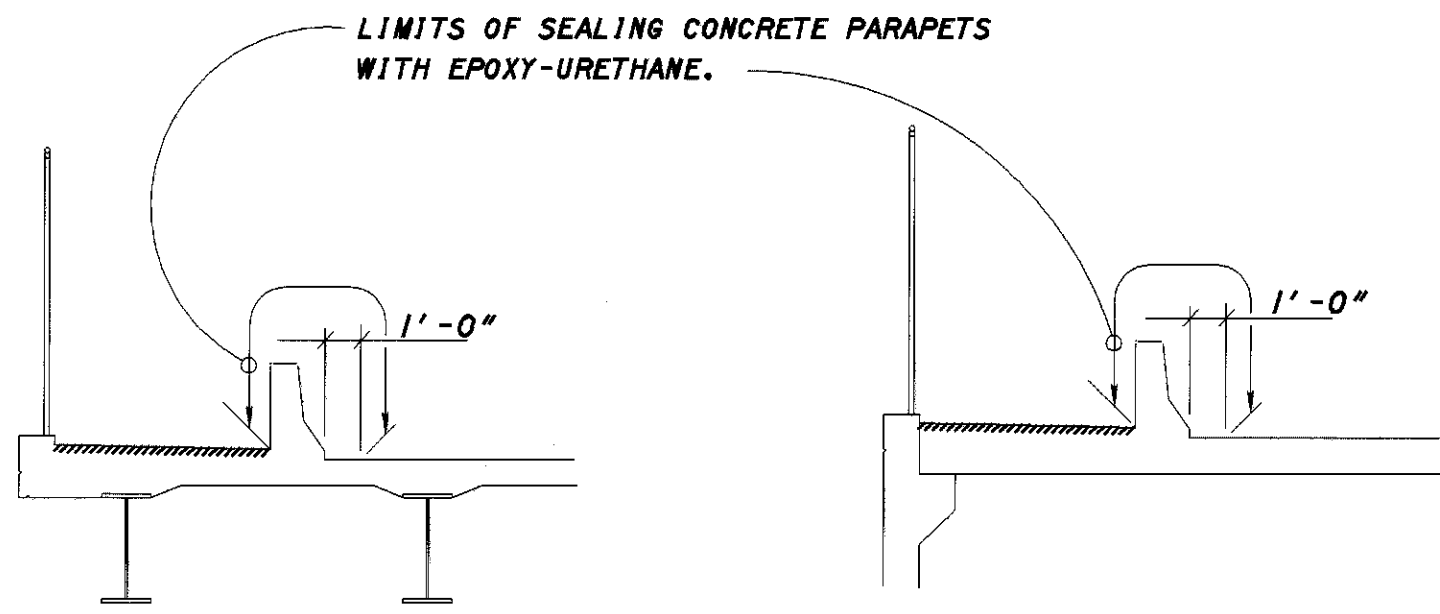
LIMITS OF SEALING CONCRETE SURFACES SUPERSTRUCTURE.

DETAIL A



LIMITS OF SEALING CONCRETE SURFACES SUPERSTRUCTURE OVER RAILROAD (BRIDGE CUY-480-1506)

DETAIL B



LIMITS OF SEALING CONCRETE SURFACES OVER RAILROADS, APPROACH SLABS, AND RETAINING WALLS.

DETAIL C

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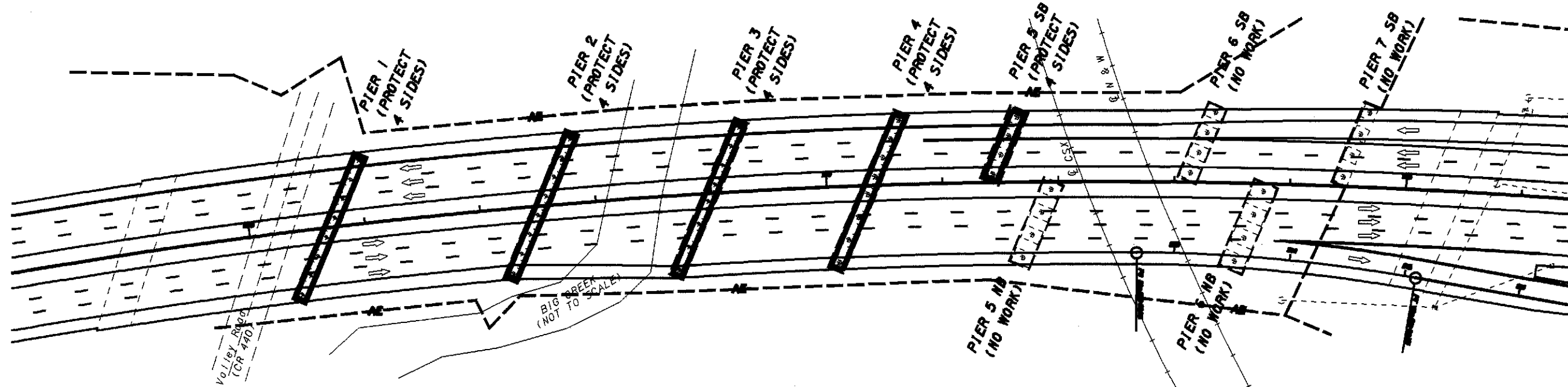
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OHIO DEPARTMENT OF TRANSPORTATION DISTRICT 12 PRODUCTION DEPARTMENT

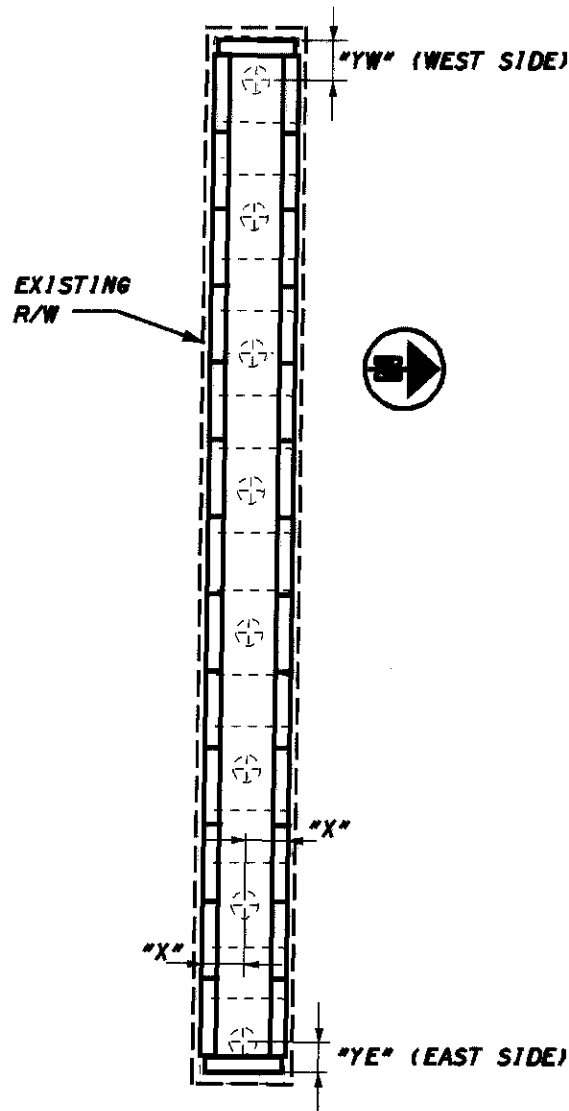
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REVIEWED	JL
STRUCTURE FILE NUMBER	SEE TITLE SHEET
DRAWN	MJM
REVIS	
DESIGNED	MJM
CHECKED	HRC

MISCELLANEOUS DETAILS CUY-480-13.55/VAR

CUYAHOGA COUNTY CUY-480-13.55/VAR



PLAN VIEW OF BRIDGE - CUY-176-1229



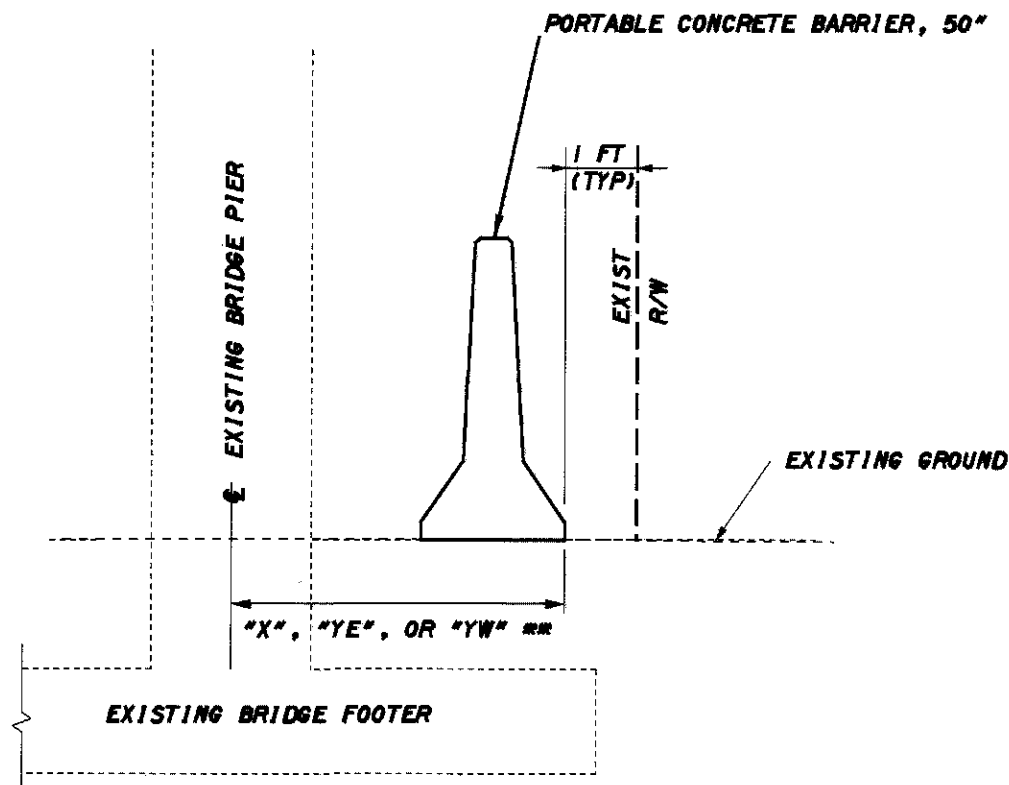
DETAIL OF BARRIER LAYOUT

PIER	SIDES PROTECTED	ESTIMATED* NUMBER OF BARRIER SECTIONS	ESTIMATED* BARRIER LENGTH (FT.)	DISTANCE "X" (FT.)	DISTANCE "Y" (FT.)	DISTANCE "Z" (FT.)
1	4	28	280	5.4	3.9	5.1
2	4	28	280	5.5	4.2	4.2
3	4	30	300	5.5	5.5	5.8
4	4	30	300	6.0	5.8	5.6
5 NB	(NO WORK)	--	--	--	--	--
5 SB	4	14	140	7.0	5.2	5.2
6 NB	(NO WORK)	--	--	--	--	--
6 SB	(NO WORK)	--	--	--	--	--
7	(NO WORK)	--	--	--	--	--
TOTAL	-----	130	1300	---	---	---

* PAYMENT SHALL BE FOR ACTUAL LENGTH OF ITEM 622 - PORTABLE CONCRETE BARRIER, 50", FURNISHED AND INSTALLED. (ESTIMATE BASED ON 10' BARRIER SECTIONS.)

RIGHT OF WAY INFORMATION

THE STATE OF OHIO OWNS "FOOTPRINTS" AT EACH BRIDGE PIER, ALONG WITH AN AERIAL EASEMENT ALONG THE ENTIRE LENGTH OF CUY-176-1229. THE AERIAL EASEMENT ALLOWS THE STATE OF OHIO, OR ITS DESIGNATED REPRESENTATIVE, TO WORK UNDER THIS STRUCTURE. THE CONTRACTOR, IN CONJUNCTION WITH THE PROJECT ENGINEER, WILL BE REQUIRED TO COORDINATE WITH THE ADJACENT PROPERTY OWNERS (AND/OR TENANTS) TO COMPLETE THE PROPOSED WORK. THE CONTRACTOR MAY HAVE TO SCHEDULE ITS WORK IN STAGES TO ACCOMMODATE THE DAILY BUSINESS OPERATIONS OF THE ADJACENT PROPERTY OWNERS AND TENANTS. THE CONTRACTOR MAY NOT STORE ANY MATERIAL OR EQUIPMENT WITHIN THE AERIAL EASEMENT. THE CONTRACTOR WILL BE REQUIRED TO REMOVE ALL OF ITS EQUIPMENT FROM WITHIN THE LIMITS OF THE AERIAL EASEMENT AT THE END OF EACH WORK DAY.



SECTION VIEW (TYPICAL)
(NOT TO SCALE)

** "X", "Y", AND "Z" - SEE "DETAIL OF BARRIER LAYOUT" FOR DESCRIPTION.

ITEM 614 - MAINTAINING TRAFFIC

GENERALLY THE CONTRACTOR SHALL CONDUCT HIS OPERATIONS AS TO MAKE THE PROPOSED REPAIR WITH A MINIMUM OF HAZARD, DELAY AND INCONVENIENCE TO THE MOTORISTS USING THE HIGHWAY. IN ADDITION TO THE CONSTRUCTION AND MATERIAL SPECIFICATIONS, THE FOLLOWING SPECIFIC PROVISIONS ARE MANDATORY.

NOTIFICATION

SINCE FUNCTIONAL TRAFFIC CONTROL IS A MAJOR CONCERN ON THIS PROJECT, IT IS ESSENTIAL THAT THE MOTORING PUBLIC BE ADEQUATELY FOREWARNED OF FUTURE LANE CLOSURES AND TRAFFIC CONSTRUCTIONS. THEREFORE, THE CONTRACTOR SHALL SUBMIT A SCHEDULE TO THE OHIO DEPARTMENT OF TRANSPORTATION INDICATING THE LOCATIONS AND DATES OF THE LANE CLOSURES AT LEAST 3 DAYS PRIOR TO THE IMPLEMENTATION OF ANY SUCH CLOSURES. THE CONTRACTOR SHALL ALSO NOTIFY THE LOCAL LAW ENFORCEMENT AGENCIES OF LANE CLOSURES AT LEAST THREE DAYS PRIOR TO IMPLEMENTATION. BEING PERFORMED. V ENGINEER

RESTRICTIONS

NOTWITHSTANDING THE FOLLOWING, NO LANE OR SHOULDER CLOSURES SHALL OCCUR DURING THE PERIOD BEGINNING AT 12:00 NOON ON THE DAY PRECEDING AND CONTINUING UNTIL NOON ON THE DAY FOLLOWING LEGAL HOLIDAYS AND HOLIDAY WEEKENDS SUCH AS MEMORIAL DAY, FOURTH OF JULY, AND LABOR DAY. FURTHERMORE, NO LANE CLOSURES SHALL BE IMPLEMENTED OR IN PLACE DURING INCREASED TRAFFIC VOLUMES CAUSED BY SPECIAL EVENTS OR WHEN THE ENGINEER DEEMS THE CLIMATOLOGICAL CONDITIONS TOO HAZARDOUS.

NO LANE OR SHOULDER CLOSURES SHALL BE IN PLACE WHEN NO WORK IS BEING PERFORMED.

EXIT AND ENTRANCE RAMP LANES SHALL REMAIN OPEN AT ALL TIMES AND EXHIBIT A MINIMUM WIDTH OF 10 FEET.

NO 3 OR MORE LANES CLOSURES PERMITTED

TRAFFIC ON STRUCTURES:

PARTS 1-5 AND 7

NO LANE OR SHOULDER CLOSURES WEEKDAYS 7 AM TO 9 AM AND 3 PM TO 6 PM.

NO 2 OR MORE LANES CLOSURES PERMITTED

AT LEAST ONE SIDEWALK, ON EACH PART, SHALL REMAIN OPEN AT ALL TIMES.

PART 8

NO LANES CLOSURES PERMITTED

TRAFFIC UNDER STRUCTURES (I-480):

PART 1

NO LANE OR SHOULDER CLOSURES WEEKDAYS 7 AM TO 9 AM AND 3 PM TO 6 PM.

NO 2 LANE CLOSURES WEEKDAYS 6 AM TO 8 PM AND WEEKENDS 6 PM TO 11PM FRIDAY, 11 AM TO 8 PM SAT, AND 12 NOON TO 8 PM SUN.

SEE DETAIL 1 FOR MOT SCHEME FOR SEALING OVER THE NUMBER 3 LANE WEST BOUND.

SEE STANDARD DRAWING MT-98.15 AND ATTACHED SHEETS FOR SEALING OVER #3 LANE EAST BOUND.

PARTS 2-6

NO LANE OR SHOULDER CLOSURES WEEKDAYS 7 AM TO 9 AM AND 3 PM TO 6 PM.

NO 2 LANE CLOSURES WEEKDAYS 6 AM TO 8 PM AND WEEKENDS 6 PM TO 11PM FRIDAY, 11 AM TO 8 PM SAT, AND 12 NOON TO 8 PM SUN.

PART 7

NO LANE OR SHOULDER CLOSURES WEEKDAYS 6 AM TO 9 AM AND 3 PM TO 8 PM, AND WEEKENDS 6PM TO 10 PM FRI, 12 NOON TO 8 PM SAT, AND 12 NOON TO 10 PM SUN.

NO 2 LANE CLOSURES WEEKDAYS 6 AM TO 10 PM AND WEEKENDS 6 PM TO MIDNIGHT FRIDAY, 8 AM TO 10 PM SAT, AND 11 AM TO 10 PM SUN.

PART 8

NO LANES CLOSURES PERMITTED

MAINTENANCE OF TRAFFIC SYSTEMS

A. WHEN REQUIRED

WHENEVER ANY PART OF THE ROADWAY SURFACE IS BEING WORKED UPON OR IS OTHERWISE NOT SUITABLE FOR SAFE AND CONVENIENT USE BY VEHICLES, TRAFFIC CONTROL DEVICES SUFFICIENT TO PROTECT SUCH AREAS TO ASSURE THE SAFE AND CONVENIENT PASSAGE OF VEHICULAR TRAFFIC SHALL BE INSTALLED AND MAINTAINED. SUCH TRAFFIC CONTROL DEVICES AND THE MANNER IN WHICH THEY ARE USED SHALL BE CONSISTENT WITH THESE PLANS AND THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS, HEREINAFTER REFERRED TO AS THE "MANUAL". THE TRAFFIC CONTROL DEVICE SYSTEM SHALL CONSTITUTE THE MINIMUM PROVISIONS FOR TRAFFIC CONTROL FOR EACH PARTICULAR SITUATION. WHENEVER THE ENGINEER DEEMS IT NECESSARY ESPECIALLY WHERE A GRADE, CURVE, OR MERGE CONDITIONS EXISTS, HE MAY DIRECT THAT ADDITIONAL OR ALTERNATIVE DEVICES BE USED.

B. CONDITIONS

DURING ALL PARTS OF THIS PROJECT, SIGNING, BARRICADES, FLASHING ARROWS, ETC. SHALL BE LOCATED AS INDICATED IN THE MANUAL, AS SHOWN ON THE MAINTENANCE OF TRAFFIC SHEETS OR AS SHOWN ON STANDARD DRAWING MT-97.10 DATED APRIL 29, 1988.

C. ADVANCE WARNING SIGNS

ALL ADVANCE WARNING SIGNS FOR ANY CONDITION WHICH RESTRICTS TRAFFIC SHALL BE ERECTED BEFORE ANY SUCH RESTRICTION IS PUT INTO EFFECT. ALL SUCH SIGNS SHALL BE COVERED OR REMOVED FROM THE VIEW OF TRAFFIC WHENEVER THEY ARE NOT APPLICABLE.

D. FLASHING ARROW REQUIREMENT

WHENEVER ANY PART OF THE TRAVELED SURFACE IS CLOSED, THE MOTORIST SHALL BE WARNED AND DIRECTED BY THE CONTRACTOR THROUGH THE USE OF ONE FLASHING ARROW FOR EACH LANE CLOSED ACCORDING TO THOSE PROVISIONS SET FORTH IN THE "MANUAL" AND STD. DRG. MT-35.10M AND MT-35-11M.

E. FLAGGERS

SHALL BE IN ACCORDANCE WITH MT-97.10.

THE MAINTENANCE OF TRAFFIC PLANS REQUIRE THE CONCURRENT USE OF TWO (2) FLAGGERS. ADDITIONAL FLAGGERS SHALL BE USED AS DIRECTED BY THE ENGINEER.

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MAINTENANCE OF TRAFFIC NOTES

CUYAHOGA COUNTY
CUY-480-13.55/YAR

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F. LAW ENFORCEMENT OFFICER WITH PATROL CAR

THE CONTRACTOR SHALL PROVIDE AND PAY ALL COST FOR THE SERVICES OF LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR THE EXCLUSIVE PURPOSE OF CONTROLLING TRAFFIC AS DETERMINED BY THE ENGINEER. THE NUMBER OF OFFICERS AND CARS REQUIRED FOR THIS PURPOSE SHALL BE DETERMINED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER. THE OFFICERS SHALL MOVE THEIR PATROL CARS AS NECESSARY TO INSURE THEIR CONSTANT PRESENCE AT THE POINT(S) OF SLOWDOWN, STOPPAGE OR BACK-UP. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO MAKE ARRANGEMENTS FOR SCHEDULING AND PAYMENT OF LAW ENFORCEMENT OFFICER WITH PATROL CAR. PAYMENT FOR THE ABOVE WILL BE INCLUDED IN THE MAN HOUR BID PRICE FOR ITEM 614 - LAW ENFORCEMENT OFFICER WITH PATROL CAR.

H. PROTECTION OF PUBLIC

WHENEVER ANY WORK IS BEING DONE DIRECTLY OVER A TRAVELED LANE OR SHOULDER THE CONTRACTOR SHALL SUPPLY SUFFICIENT SAFETY EQUIPMENT AS APPROVED BY THE DIRECTOR TO PROTECT THE TRAVELING PUBLIC FROM ANY CONSTRUCTION DEBRIS. IF TRAVELED LANES UNDER STRUCTURES ARE TO BE CLOSED FOR REASONS OF SAFETY, METHOD AND TIME OF CLOSURE MUST BE APPROVED PRIOR TO IMPLEMENTATION. PERSONAL CARS SHALL NOT BE PARKED WITHIN THE L A.

I. FAILURE TO COMPLY

IF THERE IS ANY FAILURE TO COMPLY WITH PROVISIONS FOR TRAFFIC CONTROL SET OUT IN THESE PLANS AND NOTES, OR WITH THE PROVISIONS OF THE "MANUAL", THE HIGHWAY IN THE VICINITY OF THE WORK AREA SHALL NOT BE CONSIDERED IN A CONDITION FOR

THE SAFE AND CONVENIENT USE BY THE TRAVELING PUBLIC. ANY FAILURE TO KEEP THE HIGHWAY, IN THE VICINITY OF THE WORK AREA, IN A CONDITION FOR THE SAFE AND CONVENIENT USE BY THE TRAVELING PUBLIC SHALL BE CONSIDERED A BREACH OF THIS CONTRACT. WORK SHALL BE SUSPENDED UNTIL THE CONTRACTOR COMPLIES WITH THE PROVISIONS OF THE AFOREMENTIONED ITEMS.

TRAFFIC CONTROL MATERIAL

A. SIGNS

SIGN DIMENSIONS AND SPECIFICATIONS, INCLUDING LETTER SIZES SHALL BE AS PROVIDED IN THE "MANUAL", OR IN DESIGN DRAWINGS PROVIDED BY THE DEPARTMENT OF TRANSPORTATION. THE SIGNS

SHALL BE SUBJECT TO APPROVAL OF THE ENGINEER PRIOR TO THE START OF THE PROJECT.
THE L A.

B. SIGN SUPPORTS

SIGN SUPPORTS SHALL BE AS SHOWN ON STANDARD DRAWINGS

C. FLASHING ARROWS

THE ELECTRIC FLASHING ARROW SHALL BE AS SHOWN ON STANDARD CONSTRUCTION DRAWING MT-35-10M AND MT-35-11M.

D. CONES

CONES SHALL BE LOCATED AS SHOWN IN THE "MANUAL" AND THE MAINTENANCE OF TRAFFIC PLANS.

E. DRUMS

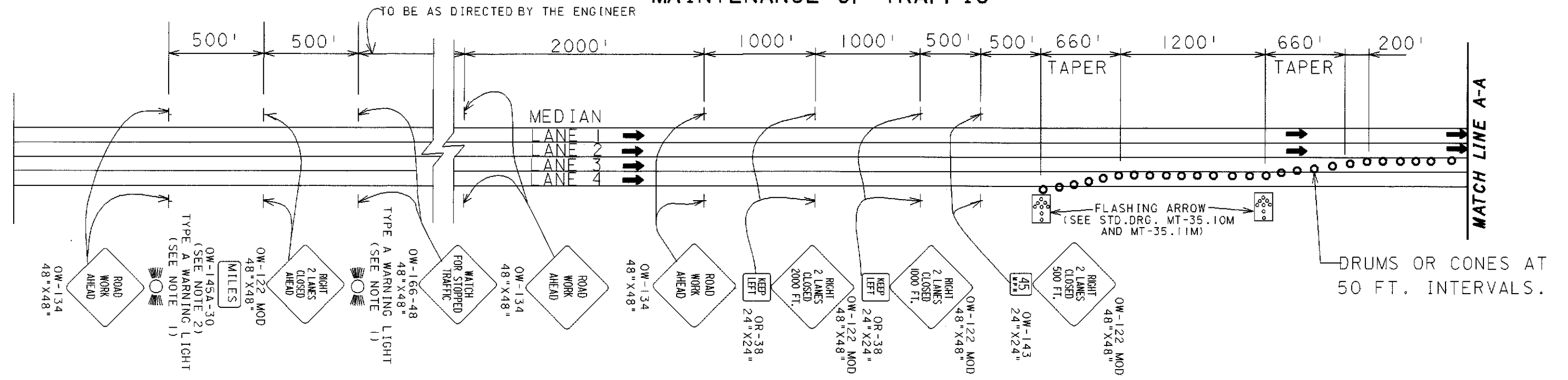
DRUMS SHALL BE LOCATED AS SHOWN ON THE TRAFFIC CONTROL PLANS AND ARE REQUIRED FOR NIGHTTIME CLOSURES.

PAYMENT

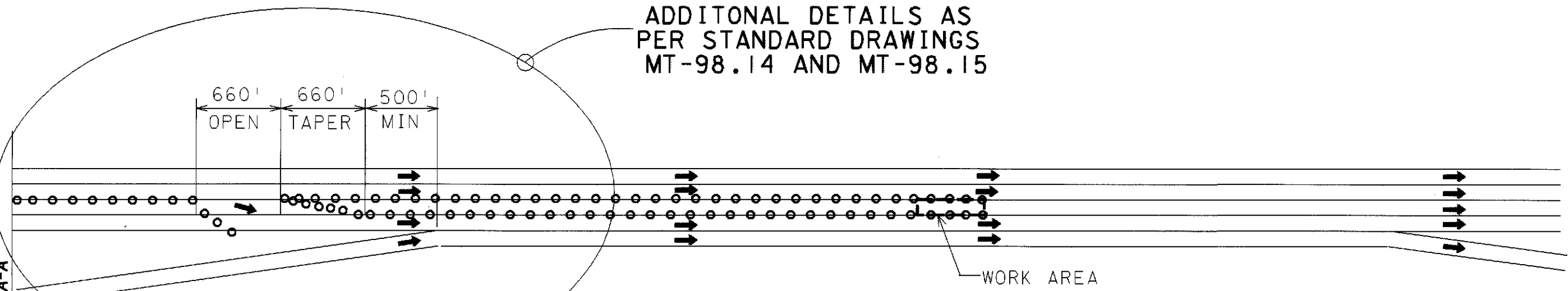
PAYMENT FOR PROVIDING, ERECTING, MAINTAINING AND REMOVING TEMPORARY MAINTENANCE OF TRAFFIC CONTROL DEVICES SHALL BE MADE UNDER THE LUMP SUM PRICE BID FOR ITEM 614 - MAINTAINING TRAFFIC.

PAYMENT FOR PROVIDING LAW ENFORCEMENT OFFICER WITH PATROL CAR SHALL BE MADE FOR UNDER THE MAN HOUR BID PRICE FOR ITEM 614 - LAW ENFORCEMENT OFFICER WITH PATROL CAR.

MAINTENANCE OF TRAFFIC



ADDITIONAL DETAILS AS PER STANDARD DRAWINGS MT-98.14 AND MT-98.15



DETAIL I
MOT SCHEME FOR SEALING
ABOVE #3 LANE W.B. UNDER US-42

GENERAL NOTES:

1. TYPE A FLASHING WARNING LIGHTS SHOWN ON THE "ROAD CONSTRUCTION AHEAD" AND "RIGHT (OR LEFT) 2 LANES CLOSED AHEAD" SIGNS ARE REQUIRED WHENEVER A NIGHT LANE CLOSURE IS NECESSARY.
2. EXTRA ADVANCE WARNING SIGN GROUPS CONSISTING OF OW-128, OW-122 MOD, OR OW 123 MOD AND OW-166 SIGNS PLUS DISTANCE PLATES MAY BE SPECIFIED IN THE PLANS OR REQUIRED TO BE ERECTED AT THE DIRECTION OF THE ENGINEER.
3. THIS IS CONSIDERED A TWO LANE CLOSURE.

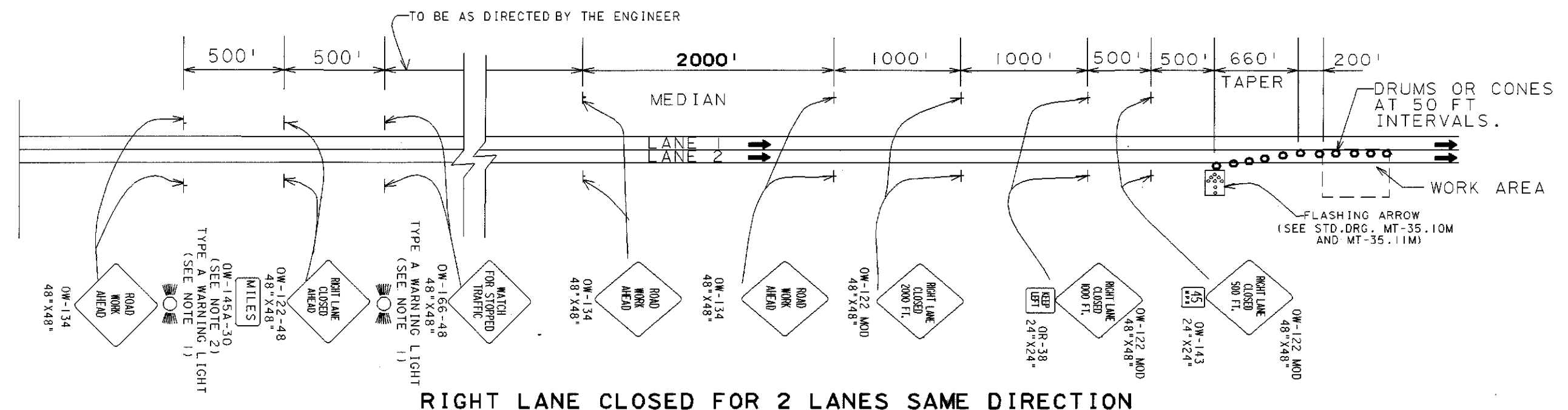
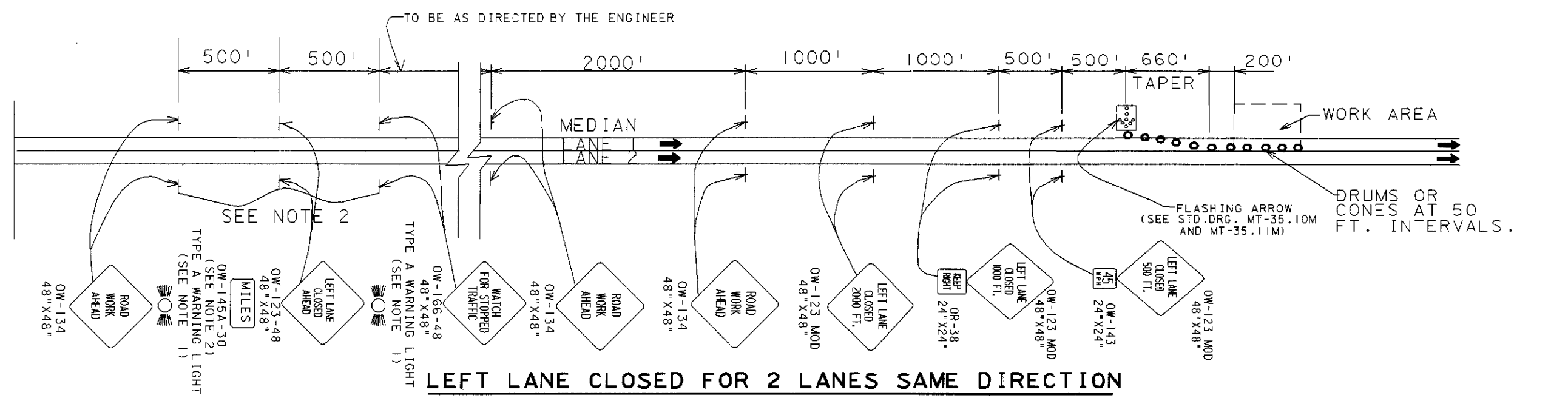
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DETAIL I
 MAINTENANCE OF TRAFFIC

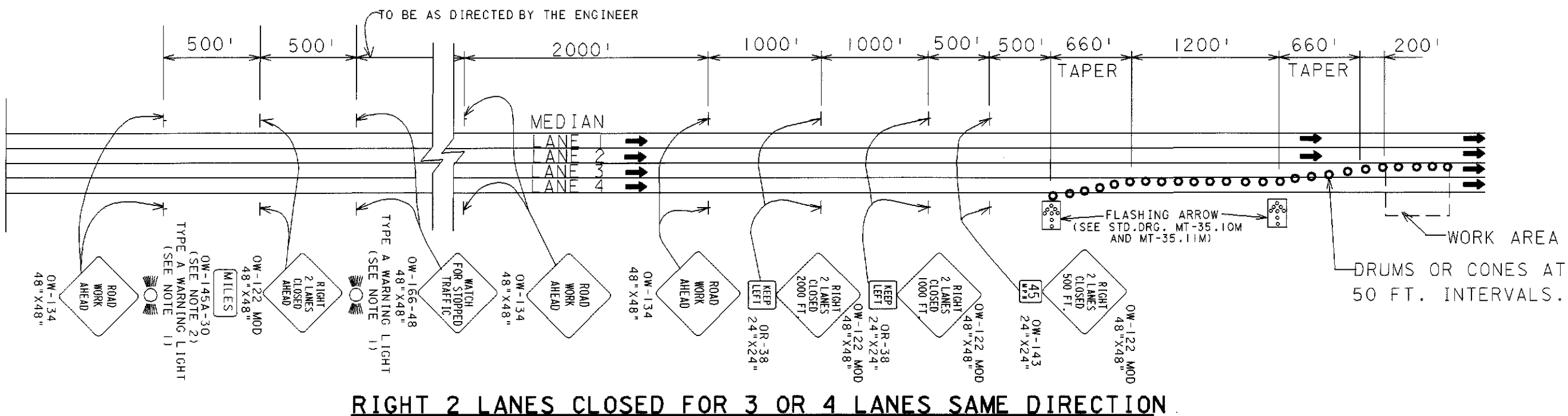
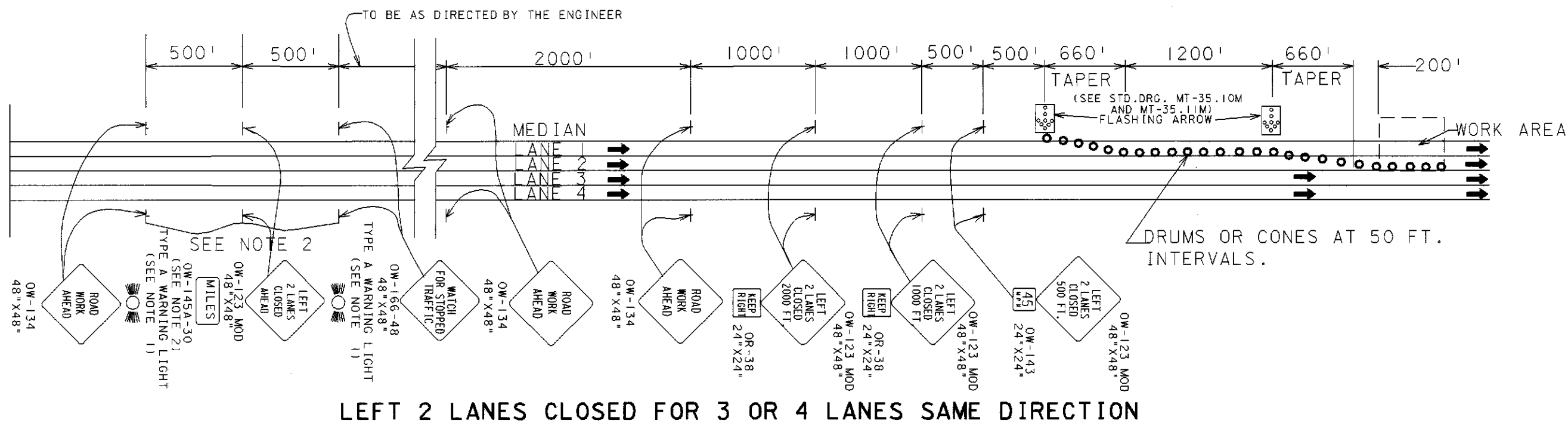
CUYAHOGA COUNTY
 CUY-480-13.55/VAR



PLOTTED BY: mma11oy
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- GENERAL NOTES:
1. TYPE A FLASHING WARNING LIGHTS SHOWN ON THE "ROAD WORK AHEAD" AND "RIGHT(OR LEFT) LANE CLOSED AHEAD" SIGNS ARE REQUIRED WHENEVER A NIGHT LANE CLOSURE IS NECESSARY.
 2. EXTRA ADVANCE WARNING SIGN GROUPS CONSISTING OF OW-128, OW-122, AND OW-166 SIGNS PLUS DISTANCE PLATES SHALL BE ERECTED AT THE DIRECTION OF THE ENGINEER.



GENERAL NOTES:

1. TYPE A FLASHING WARNING LIGHTS SHOWN ON THE "ROAD WORK AHEAD" AND "RIGHT(OR LEFT) 2 LANES CLOSED AHEAD" SIGNS ARE REQUIRED WHENEVER A NIGHT LANE CLOSURE IS NECESSARY.
2. EXTRA ADVANCE WARNING SIGN GROUPS CONSISTING OF OW-128, OW-122 MOD, OR OW 123 MOD AND OW-166 SIGNS PLUS DISTANCE PLATES MAY BE SPECIFIED IN THE PLANS OR REQUIRED TO BE ERECTED AT THE DIRECTION OF THE ENGINEER.

