

STATE OF OHIO  
DEPARTMENT OF TRANSPORTATION

**SUM-8-1.75**

CITY OF AKRON  
CITY OF CUYAHOGA FALLS

**PROJECT DESCRIPTION**

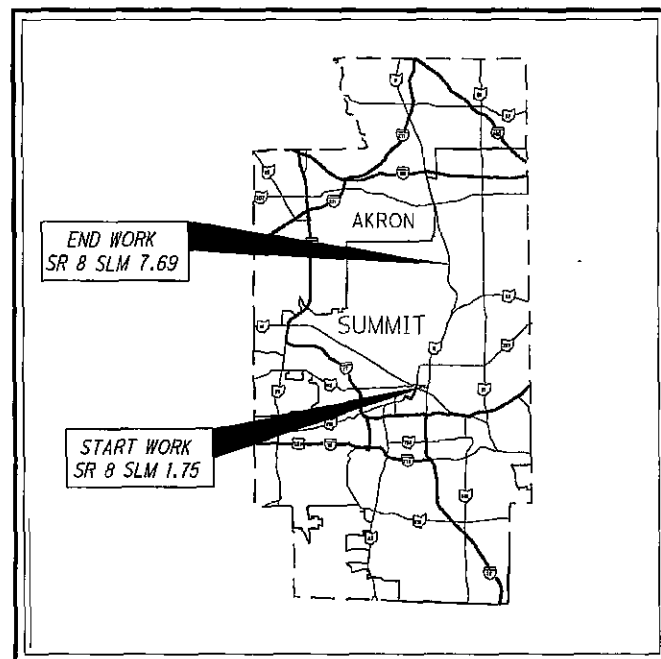
THIS PROJECT UPGRADES GROUND MOUNTED AND OVERHEAD SIGNS IN SUMMIT COUNTY: SR 8 FROM 1.75 TO 7.69 IN THE STATE OF OHIO.

**EARTH DISTURBED AREAS**

PROJECT EDA = 0.0 ACRE  
EST. CONTRACTOR EDA = N/A (MAINTENANCE PROJECT)  
NOTICE OF INTENT EDA = N/A (MAINTENANCE PROJECT)

**SUMMIT CO.**

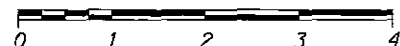
CITIES: AKRON CUYAHOGA FALLS  
TOWNSHIPS: VILLAGES:



**LOCATION MAP**

LATITUDE: 41° 06' 27" LONGITUDE: 81° 30' 38"

SCALE IN MILES



PORTION TO BE IMPROVED: INTERSTATE & DIVIDED HIGHWAY: UNDIVIDED STATE & FEDERAL ROUTES: OTHER ROADS:

**INDEX OF SHEETS:**

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**2005 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.

**DESIGN EXCEPTIONS**

NONE

**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 PROTECTIVE  
SERVICE CALL: **1-800-929-0988**

PLAN PREPARED BY:

ODOT  
DISTRICT 4  
PRODUCTION

ENGINEERS SEAL:

SIGNED: *Lisa A. Bose*  
DATE: 10/10/07

STANDARD CONSTRUCTION DRAWINGS				SUPPLEMENTAL SPECIFICATIONS	
DM-4.3	7-19-02	MT-35.10	4-20-01	800	10-19-07
DM-4.4	7-19-02			832	04-25-06
		MT-95.30	9-5-06		
TC-9.10	1-19-07	MT-97.10	9-5-06		
TC-41.10	1-19-01	MT-98.14	4-19-02		
TC-41.20	1-19-01				
TC-41.30	1-19-07	MT-105.10	10-18-02		
TC-41.40	7-16-04	MT-105.11	10-18-02		
TC-41.50	1-19-07				
TC-42.10	1-19-07				
TC-42.20	7-16-04				
TC-51.11	4-20-01				
TC-51.12	4-20-01				
TC-52.10	1-19-07				
TC-52.20	1-19-07				

SPECIAL PROVISIONS

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 OF TRAFFIC WILL BE AS SET FORTH ON THE PLANS AND ESTIMATES.

APPROVED *Erin M. Gett*  
DATE 10-10-07 DISTRICT DEPUTY DIRECTOR

APPROVED *James B. Beasley*  
DATE 10-25-07 DIRECTOR, DEPARTMENT OF TRANSPORTATION

FEDERAL PROJECT NO. NON-FEDERAL  
PID NO. 80989  
CONSTRUCTION PROJECT NO.  
RAILROAD INVOLVEMENT NONE  
SUM-8-1.75  
1/36

SUM-SR-8-1.75  
080054 PID-80989  
Dist 4 1/9/2008

Projects\SUM\80989\80989.dgn 10-OCT-2007 07:35AM tpowell2

UTILITIES

THE CONTRACTOR SHALL USE THE FOLLOWING PROCEDURE AT EACH LOCATION WHERE WORK IS PERFORMED, IN ACCORDANCE WITH SECTIONS 105.06 AND 107.17 OF THE CONSTRUCTION AND MATERIALS SPECIFICATIONS:

THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER, THE OHIO UTILITIES PROTECTION SERVICE (OUPS), THE OHIO & GAS PROCEDURES UNDERGROUND PROTECTION SERVICE (OGPUPS), THE OHIO DEPARTMENT OF TRANSPORTATION DISTRICT 4 HEADQUARTERS AND ALL NON REGISTERED UTILITY OWNERS AT LEAST TWO (2) WORKING DAYS PRIOR TO COMMENCING CONSTRUCTION OPERATIONS IN ALL AREAS.

- OUPS 800-362-2764  
(CONTACT LIMITED BASIS PARTICIPANTS DIRECTLY)
- OGPUPS 800-925-0988
- ODOT 330-786-3145 (KEN GREENE)

THE LOCATION OF EXISTING UNDERGROUND UTILITIES ARE NOT SHOWN ON THE PLANS, BUT CAN BE OBTAINED FROM THE OWNERS OF THE UTILITIES. THE CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO UTILITIES.

WORK LIMITS

THE WORK LIMITS SHOWN ON THESE PLANS ARE FOR PHYSICAL CONSTRUCTION ONLY. THE INSTALLATION AND OPERATION OF ALL TEMPORARY TRAFFIC CONTROL AND TEMPORARY TRAFFIC CONTROL DEVICES REQUIRED BY THESE PLANS SHALL BE PROVIDED BY THE CONTRACTOR WHETHER INSIDE OR OUTSIDE THESE WORK LIMITS.

LANE CLOSURES ON S.R. 8

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 LIQUIDATED DAMAGES IN THE AMOUNT OF \$5000.00 PER HOUR OR PORTION THEREOF THAT THE LANE REDUCTION REMAINS BEYOND THE SPECIFIED LIMIT.

HOLIDAY WORK LIMITATIONS

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

CHRISTMAS	NEW YEARS
MEMORIAL DAY	FOURTH OF JULY
LABOR DAY	THANKSGIVING

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 THE WEEK	TIME ALL LANES MUST BE OPEN TO TRAFFIC
SUNDAY	12:00N FRIDAY THROUGH 12:00N MONDAY
MONDAY	12:00N FRIDAY THROUGH 12:00N TUESDAY
TUESDAY	12:00N MONDAY THROUGH 12:00N WEDNESDAY
WEDNESDAY	12:00N TUESDAY THROUGH 12:00N THURSDAY
THURSDAY	12:00N WEDNESDAY THROUGH 12:00N MONDAY
FRIDAY	12:00N THURSDAY THROUGH 12:00N MONDAY
SATURDAY	12:00N FRIDAY THROUGH 12:00N MONDAY

NO EXTENSIONS OF TIME SHALL BE GRANTED FOR DELAYS IN MATERIAL DELIVERIES, UNLESS SUCH DELAYS ARE INDUSTRY-WIDE, OR FOR LABOR STRIKES, UNLESS SUCH STRIKES ARE AREA-WIDE.

SHOULD THE CONTRACTOR FAIL TO MEET ANY OF THESE REQUIREMENTS, THE CONTRACTOR SHALL BE ASSESSED LIQUIDATED DAMAGES IN ACCORDANCE WITH 108.07.

ADOPT-A-HIGHWAY SIGN

PRIOR TO ORDERING THE ADOPT-A-HIGHWAY SIGNS, THE CONTRACTOR SHALL CONTACT MR. KEN GREENE (330-786-3145) OR MR. BOB PALLO (330-786-2218) FOR THE CORRECT LEGEND INFORMATION FOR EACH SIGN TO BE REPLACED ON THE PLAN.

SIGN PLACEMENT

THE EXACT LOCATIONS OF SIGNS ARE TO BE STAKED AND CHECKED BY THE ENGINEER PRIOR TO PLACEMENT TO INSURE CLEARANCE OF DRIVES, ROADWAYS AND OTHER OBSTACLES. IF THERE ARE ANY CONFLICTS, THEY SHALL BE ADJUSTED AS DIRECTED BY THE ENGINEER. PAYMENT FOR THIS IS INCIDENTAL TO ALL 630 ITEMS.

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. ON S.R. 261 AND OTHER ROADWAYS, WITH FOUR OR MORE LANES, A MINIMUM OF ONE ELEVEN FOOT LANE IN EACH DIRECTION SHALL BE MAINTAINED. ON ROADWAYS WITH THREE OR FEWER LANES, A MINIMUM OF ONE ELEVEN FOOT BIDIRECTIONAL LANE SHALL BE MAINTAINED ON THE EXISTING PAVEMENT DURING CONSTRUCTION OF THE WORK. SHOULDERS SHALL NOT BE USED TO MAINTAIN TRAFFIC.
2. THE CONTRACTOR SHALL INFORM THE DISTRICT OFFICE (330) 786-2209, EIGHTEEN (18) DAYS PRIOR TO THE BEGINNING OF WORK.
3. CONES SHALL NOT BE ACCEPTABLE TRAFFIC CONTROL DEVICES FOR LANE RESTRICTIONS OR LANE REDUCTIONS THAT ARE IN OPERATION ONE-HALF HOUR AFTER SUNSET OR ONE HALF-HOUR BEFORE SUNRISE. ALL NIGHTTIME LANE RESTRICTIONS SHALL REQUIRE DRUMS OR BARRICADES AT A MAXIMUM SPACING OF FIFTY (50) FEET. WEIGHTED CHANNELIZERS MAY BE USED IN ACCORDANCE WITH THE ADDITIONAL NOTE HEREIN.
4. 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 INSTALLING SIGNS.
5. THE CONTRACTOR SHALL FURNISH, ERECT, MAINTAIN AND SUBSEQUENTLY REMOVE ALL FLAGS, BARRICADES, SIGNS, SIGN SUPPORTS AND FURNISH AND MAINTAIN ALL FLAGGERS, WATCHERS AND INCIDENTALS RELATED THERETO.
6. UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR BE PERMITTED TO HAVE SUCCESSIVE WORK ZONES UNLESS THE DISTANCE BETWEEN THE DRUMS, BARRICADES, WEIGHTED CHANNELIZERS OR CONES EXCEEDS ONE (1) MILE.

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 PLANS.

CONTRACTOR'S EQUIPMENT - OPERATION AND STORAGE

A QUALIFIED FLAGGER SHALL BE EMPLOYED WHERE THE CONTRACTOR'S EQUIPMENT MUST MERGE WITH THE TRAFFIC STREAM. THE CONTRACTOR'S EQUIPMENT SHALL BE EQUIPPED WITH AT LEAST ONE AMBER FLASHING LIGHT. WHEN NOT IN USE, EQUIPMENT SHALL BE STORED AT A STORAGE AREA OUTSIDE THE R/W, THE LOCATION OF WHICH SHALL HAVE PRIOR APPROVAL OF THE ENGINEER. WHEN PARKING ALONG THE HIGHWAY THE EQUIPMENT SHALL BE PLACED AND DELINEATED AS PER 614.03. ADEQUATE BARRICADES AND LIGHTS SHALL BE PLACED ON THE PAVEMENT SIDE OF THE EQUIPMENT TO IDENTIFY THE LIMITS OF THE EQUIPMENT. ALL OTHER EQUIPMENT, INCLUDING PRIVATE VEHICLES, SHALL BE STORED AT THE APPROVED CONTRACTOR'S STORAGE AREA. NO EQUIPMENT SHALL BE PARKED ON PRIVATE PROPERTY UNLESS PRIOR APPROVAL OF THE OWNER AND THE PROJECT ENGINEER/SUPERVISOR HAS BEEN GRANTED.

WEIGHTED CHANNELIZERS

THE WEIGHTED CHANNELIZER SHALL BE PREDOMINATELY ORANGE IN COLOR AND SHALL BE MADE OF A LIGHTWEIGHT, FLEXIBLE, AND DEFORMABLE MATERIAL. THEY SHALL BE AT LEAST 42 INCHES IN HEIGHT WITH A WEIGHTED BASE. THEY MAY HAVE A "HANDLE" OR LIFTING DEVICE WHICH EXTENDS ABOVE THE 42" MINIMUM HEIGHT.

THE MARKINGS ON THE WEIGHTED CHANNELIZER SHALL BE HORIZONTAL, CIRCUMFERENTIAL, ALTERNATING ORANGE AND WHITE RETROREFLECTIVE STRIPES 6 INCHES WIDE. EACH WEIGHTED CHANNELIZER SHALL HAVE A MINIMUM OF TWO ORANGE AND TWO WHITE STRIPES. ANY NON-RETROREFLECTIVE SPACES BETWEEN THE HORIZONTAL ORANGE AND WHITE STRIPES SHALL NOT EXCEED 2 INCHES WIDE. THE WEIGHTED CHANNELIZER SHALL HAVE A 4-INCH MINIMUM WIDTH, REGARDLESS OF ORIENTATION.

ON FREEWAYS AND MULTILANE HIGHWAYS: USE OF WEIGHTED CHANNELIZERS ON FREEWAYS AND MULTILANE HIGHWAYS SHALL BE LIMITED TO SHORT-TERM OPERATION, GENERALLY TWELVE HOURS OR LESS, FOR EITHER DAY OR NIGHT. UPON COMPLETION OF WORK WITHIN THE ABOVE NOTED TIME PERIOD, THE WEIGHTED CHANNELIZERS SHALL BE REMOVED. THE WEIGHTED CHANNELIZERS MAY AGAIN BE PLACED ON THE HIGHWAY WHEN THE WORK IS TO RESUME ON THE FOLLOWING DAY OR NIGHT. ANY LANE CLOSURE USING CHANNELIZATION DEVICES, EXPECTED TO REMAIN FOR MORE THAN TWELVE HOURS, SHALL REQUIRE THE USE OF DRUMS OR BARRIERS.

WHEN USED AT NIGHT, WEIGHTED CHANNELIZERS SHALL ONLY BE PLACED IN THE "TANGENT AREA". THE "TANGENT AREA" IS DEFINED AS THE AREA AFTER THE TRANSITION TAPER WHERE THE WORK TAKES PLACE. DRUMS SHALL BE USED IN THE TRANSITION TAPERS FOR NIGHT OPERATIONS.

ON OTHER HIGHWAYS: THERE ARE NO DURATIONS OF WORK RESTRICTIONS FOR USE OF WEIGHTED CHANNELIZERS ON ALL OTHER TYPES OF HIGHWAYS, DAY OR NIGHT. ON THESE ROADWAYS THE WEIGHTED CHANNELIZER MAY BE USED IN THE TRANSITION TAPERS AS WELL AS IN THE TANGENT AREAS, DAY OR NIGHT.

MAXIMUM SPACING OF THE WEIGHTED CHANNELIZER SHALL BE 40 FEET.

STEPS SHOULD BE TAKEN TO ENSURE THAT THE WEIGHTED CHANNELIZERS WILL NOT BE BLOWN OVER OR DISPLACED BY WIND OR MOVING TRAFFIC. BALLASTS SHOULD NOT PRESENT A HAZARD IF THE WEIGHTED CHANNELIZERS ARE INADVERTENTLY STRUCK, NOR SHOULD THEY AFFECT THE VISIBILITY OF THE WEIGHTED CHANNELIZERS. ALL BALLASTS USED SHOULD BE IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS.

TRAFFIC CONTROL INSPECTOR

THE CONTRACTOR SHALL DESIGNATE AN INDIVIDUAL OTHER THAN THE SUPERINTENDENT AND SUBJECT TO THE APPROVAL OF THE ENGINEER, TO CONTINUOUSLY INSPECT ALL TRAFFIC CONTROL DEVICES WHENEVER CONSTRUCTION WORK IS BEING PERFORMED WITHIN THE WORK LIMITS OF THE PROJECT. THE DESIGNATED INDIVIDUAL SHALL ALSO INSPECT ALL TRAFFIC DEVICES AT THE BEGINNING AND AT THE END OF EACH WORK DAY. THE DESIGNATED INDIVIDUAL OR A QUALIFIED REPRESENTATIVE SHALL ALSO BE AVAILABLE ON AN AROUND THE CLOCK BASIS TO REPAIR AND/OR REPLACE DAMAGED OR MISSING TRAFFIC CONTROL DEVICES. THESE INDIVIDUALS SHALL BE EQUIPPED WITH CELLULAR PHONES AND THEIR NAMES AND PHONE NUMBERS SHALL BE GIVEN TO THE PROJECT ENGINEER AT THE PRE-CONSTRUCTION MEETING. THE DESIGNATED INDIVIDUAL MAY HAVE OTHER CONSTRUCTION RELATED DUTIES AS LONG AS IMMEDIATE ATTENTION IS GIVEN TO TRAFFIC CONTROL. PAYMENT FOR THE SERVICES OF THE TRAFFIC CONTROL INSPECTOR SHALL BE INCLUDED IN THE LUMP SUM PRICE BID FOR ITEM 614 MAINTAINING TRAFFIC.

ITEM 630 - REMOVAL OF MISC. TRAFFIC CONTROL ITEM, BEAM SUPPORT FOUNDATION

THE CONTINGENCY QUANTITY HAS BEEN PROVIDED FOR THIS WORK TO BE USED FOR REMOVAL OF BEAM SUPPORT FOUNDATIONS, AS DIRECTED BY THE ENGINEER, WHERE EVER NEEDED THROUGHOUT THE PROJECT.

THE FOLLOWING QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY:  
ITEM 630 - REMOVAL OF MISC. TRAFFIC CONTROL ITEM, BEAM SUPPORT FOUNDATION - 6 EACH

ITEM 631-REMOVAL OF SIGN SERVICE AND DISPOSAL, AS PER PLAN.

THE CONTRACTOR SHALL REMOVE THE SIGN SERVICE AND OTHER MISCELLANEOUS COMPONENTS FROM OVERHEAD AND STRUCTURE MOUNTED SIGN SUPPORTS.

TWO (2) CABLE SPLICE KITS SHALL BE PROVIDED AS A PART OF THIS PAY ITEM FOR EACH LOCATION WHERE SIGN LIGHTING AND SIGN SERVICE IS BEING REMOVED. THEY ARE TO BE USED TO PROPERLY RESTORE THE CONTINUITY OF THE MAIN POWER FEED AT THE PULL BOX WHERE THE SIGN SERVICE SUPPLIED POWER TO THE SIGN LOCATION. SIGN SERVICE WIRING IS NOT TO BE CUT AND CAPPED. SIGN SERVICE FROM THE DISCONNECT SWITCH SHALL BE COMPLETELY REMOVED. THE PULL BOX SHALL REMAIN IN PLACE.

ALL EQUIPMENT, MATERIALS, AND LABOR REQUIRED TO PERFORM THE WORK OUTLINED ABOVE SHALL BE INCLUDED IN THE UNIT BID PRICE OF EACH FOR ITEM 631-REMOVAL OF SIGN SERVICE AND DISPOSAL, AS PER PLAN.

CALCULATED  
ALP  
CHECKED  
KPW

GENERAL NOTES

SUM - 8 - 1.75

2  
36

CALCULATED  
WMB  
CHECKED  
KPW

TRAFFIC CONTROL GENERAL NOTES  
AND BRUSH CUT AND TREATED DETAIL

SUM-8-1.75

3  
36

ITEM 690 - SPECIAL, MISC.: CLEARING AND GRUBBING

THIS ITEM IS INTENDED TO BE USED TO CLEAR ALL GROWTH IN FRONT OF HIGHWAY SIGNS THAT MAY IMPEDE ITS VIEWING BY MOTORISTS.

IN ADDITION TO THE REQUIREMENTS OF 201, THE CONTRACTOR WILL REMOVE STUMPS AT LEAST 6 INCHES BELOW GROUND SURFACE AND THE WORK WILL NOT INCLUDE SCALPING. THE AREA TO BE CLEARED AND GRUBBED WILL BE DELINEATED IN THE WORK ORDER.

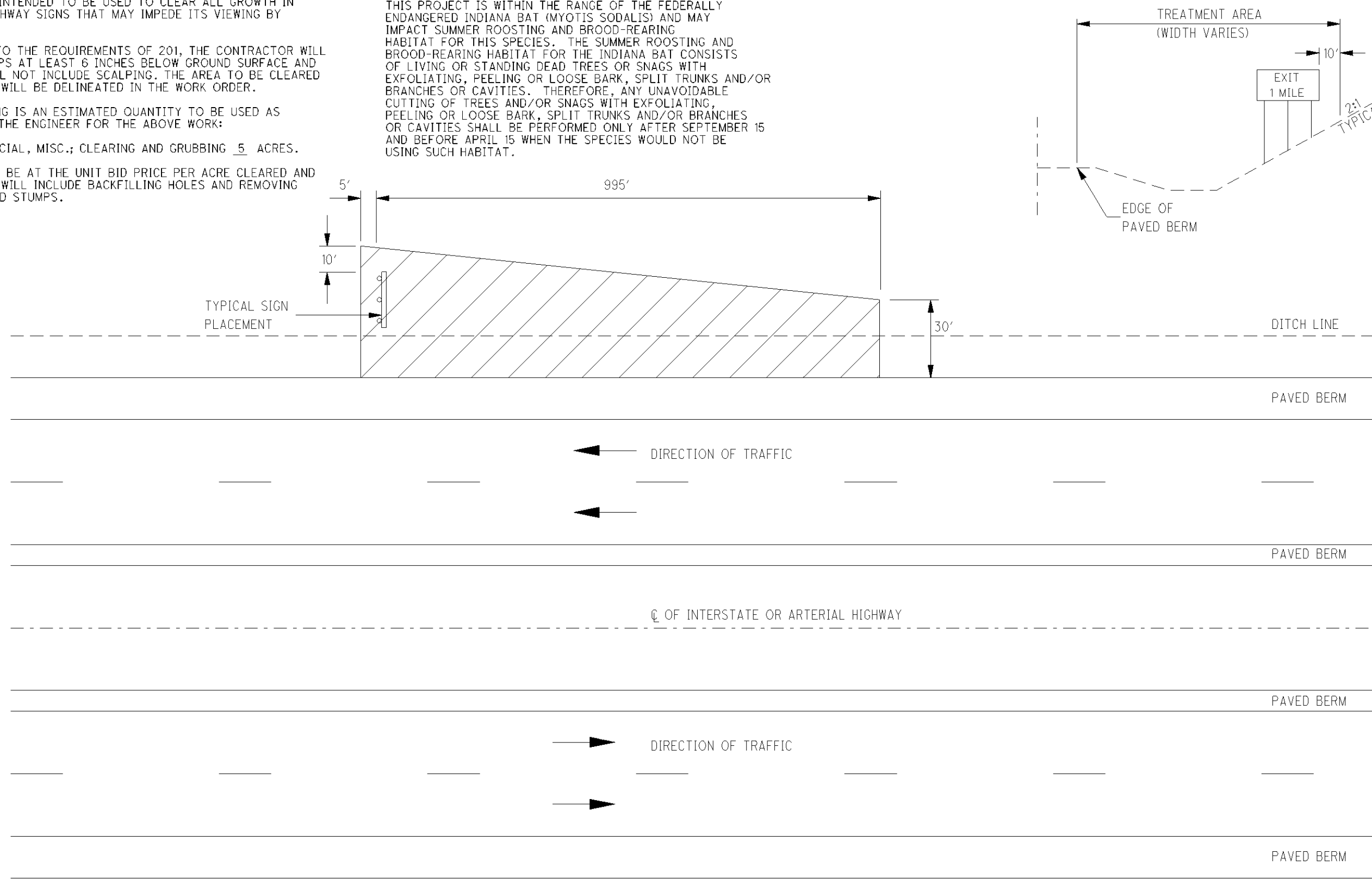
THE FOLLOWING IS AN ESTIMATED QUANTITY TO BE USED AS DIRECTED BY THE ENGINEER FOR THE ABOVE WORK:

ITEM 690-SPECIAL, MISC.; CLEARING AND GRUBBING 5 ACRES.

PAYMENT WILL BE AT THE UNIT BID PRICE PER ACRE CLEARED AND GRUBBED AND WILL INCLUDE BACKFILLING HOLES AND REMOVING ALL TREES AND STUMPS.

ENDANGERED SPECIES HABITAT - INDIANA BAT

THIS PROJECT IS WITHIN THE RANGE OF THE FEDERALLY ENDANGERED INDIANA BAT (MYOTIS SODALIS) AND MAY IMPACT SUMMER ROOSTING AND BROOD-REARING HABITAT FOR THIS SPECIES. THE SUMMER ROOSTING AND BROOD-REARING HABITAT FOR THE INDIANA BAT CONSISTS OF LIVING OR STANDING DEAD TREES OR SNAGS WITH EXFOLIATING, PEELING OR LOOSE BARK, SPLIT TRUNKS AND/OR BRANCHES OR CAVITIES. THEREFORE, ANY UNAVOIDABLE CUTTING OF TREES AND/OR SNAGS WITH EXFOLIATING, PEELING OR LOOSE BARK, SPLIT TRUNKS AND/OR BRANCHES OR CAVITIES SHALL BE PERFORMED ONLY AFTER SEPTEMBER 15 AND BEFORE APRIL 15 WHEN THE SPECIES WOULD NOT BE USING SUCH HABITAT.



 \* CLEAR SIGHT AREA

\* PAY QUANTITY IS BASED ONLY ON ACTUAL AREAS MEASURED WHERE BRUSH CUTTING HAS BEEN PERFORMED WITHIN THE CLEAR SIGHT AREA.

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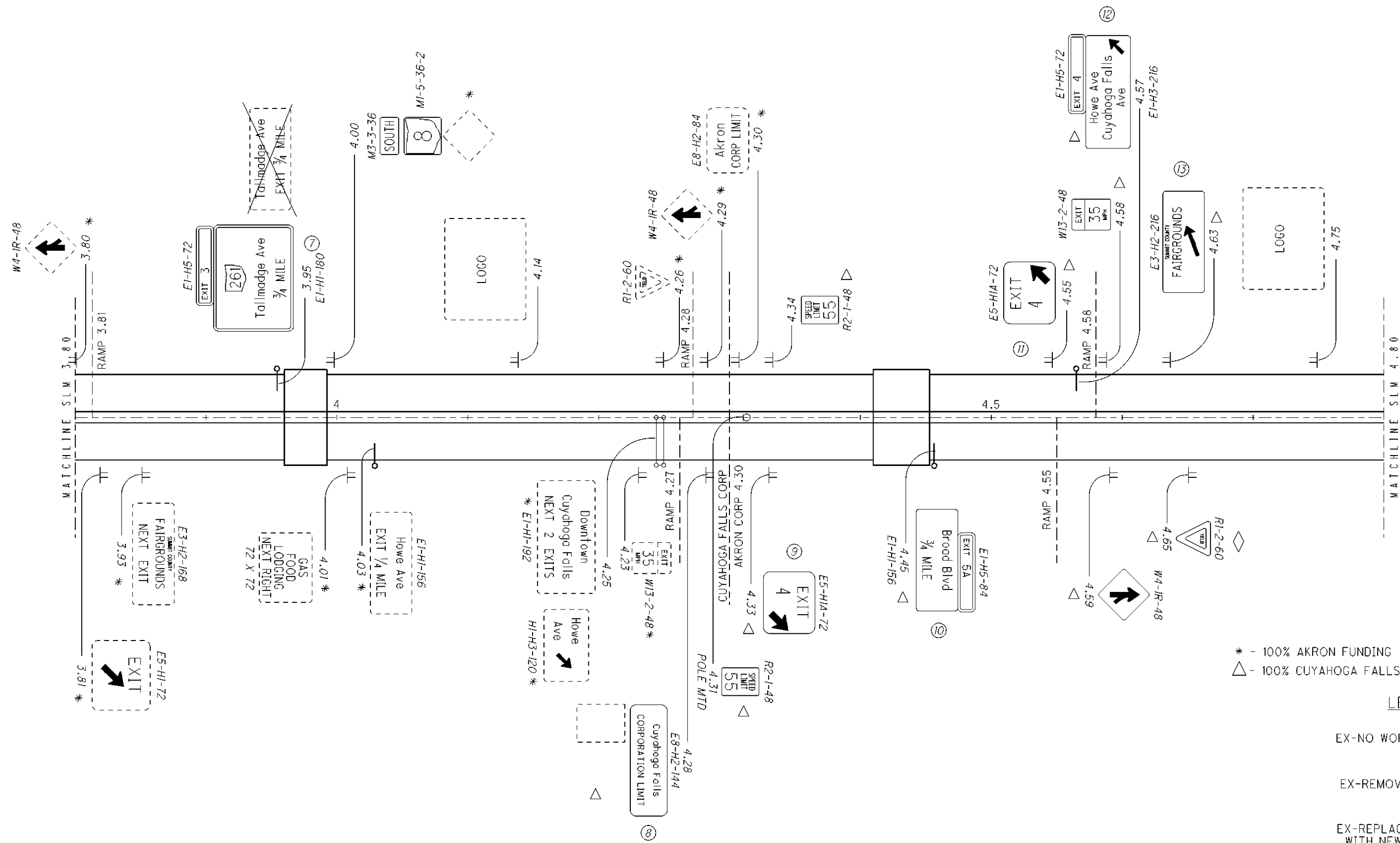
	630	630	630	630	630	630	630	630		630	630			630	630	630	630	630	630	630	630	630	630	631	631	631	631			
	GROUND MOUNTED SUPPORT, NO. 3 POST	GROUND MOUNTED SUPPORT, S4 X 7.7 BEAM	GROUND MOUNTED SUPPORT, W6X9 BEAM	GROUND MOUNTED SUPPORT, W8X18 BEAM	GROUND MOUNTED SUPPORT, W10X22 BEAM	GROUND MOUNTED SUPPORT, W10X12 BEAM	ONE WAY SUPPORT, NO. 3 POST	SIGN POST REFLECTOR (RED)		BREAKAWAY BEAM CONNECTION	SIGN ATTACHMENT ASSEMBLY				SIGN SUPPORT ASSEMBLY, POLE MOUNTED	SIGN, FLAT SHEET	SIGN, GROUND MOUNTED EXTRUSHEET	SIGN, OVERHEAD EXTRUSHEET	GROUND MOUNTED BEAM SUPPORT FOUNDATION	REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL	REMOVAL OF GROUND MOUNTED MAJOR SIGN AND DISPOSAL	REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL	REMOVAL OF GROUND MOUNTED BEAM SUPPORT AND DISPOSAL	REMOVAL OF STRUCTURE MOUNTED SIGN AND DISPOSAL	REMOVAL OF OVERHEAD MOUNTED SIGN AND DISPOSAL	REMOVAL OF POLE MOUNTED SIGN AND DISPOSAL	REMOVAL OF LUMINAIRE AND DISPOSAL	REMOVAL OF DISCONNECT SWITCH AND DISPOSAL	REMOVAL OF SIGN WIRING AND DISPOSAL	REMOVAL OF SIGN SERVICE AND DISPOSAL, AS PER PLAN
	FT	FT	FT	FT	FT	FT	FT	EA		EA	EA			EA	SF	SF	SF	SF	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	
100% STATE																														
CARRIED FROM SHEET	5	116								21				54		832			8		8				7		14		7	
CARRIED FROM SHEET	6	58												27					4		4									
CARRIED FROM SHEET	7									11						528								5	3	5	5	3	2	
CARRIED FROM SHEET	8									6						278			2		2			2		6	1	2	1	
CARRIED FROM SHEET	9	58												27					5		4			1		1	1	1	1	
CARRIED FROM SHEET	10	55	31						2	20			1	66.8	44	450	2	4	1	5	2			10	2	10	5	10	5	
CARRIED FROM SHEET	11	53								12				24.8		270							1	5		9	5	6	5	
CARRIED FROM SHEET	12																													
CARRIED FROM SHEET	13	13.3								8				6.19		176							1	4		7	4	4	4	
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CARRIED FROM SHEET	15	29.5								8				16.4		256			4		1			4		4	4	4	4	
CARRIED FROM SHEET	16	85.3					14	2		8				58		207			7		3			4		4	4	4	4	
CARRIED FROM SHEET	17	26.5								4				12.4		54								2		2	2	2	2	
100% STATE TOTAL CARRIED TO GENERAL SUMMARY	523	31	0	0	0	0	14	2	0	2	112	0	0	1	305	44	3348	2	36	1	28	2	3	50	5	71	38	50	35	0
100% CITY																														
CARRIED FROM SHEET	5	30	31.8	36.2						4	3			1	40	78	92	4	2	1	2	4		1	1	1		1		
CARRIED FROM SHEET	6	86	34.25		45.8	48		2		6	17			1	73.1	196	648	6	7	2	10	6		6	1	14	2	6	2	
CARRIED FROM SHEET	7	232	30.5					6		2	6			2	152	30	254	2	12		20	2		2	1	4		2		
CARRIED FROM SHEET	8	172	63					4		4	11			2	128	78	363	4	9	1	18	2		4	1	8	3	4	3	
CARRIED FROM SHEET	9	148	31.7			42		4		4	15			1	97.7	121	493	4	10	1	14	2		5		9	3	5	3	
CARRIED FROM SHEET	10	28	31							2					16	21		2	2		2									
CARRIED FROM SHEET	11	75					14	5			2			1	37.2		60			12	8		2			2	1	1	1	
CARRIED FROM SHEET	12	149					28	8						7	208					18	14				7					
CARRIED FROM SHEET	13	114					42	9							85.8					18	16									
CARRIED FROM SHEET	14	75.5					28	6						1	103					12	8					1				
CARRIED FROM SHEET	15	69					14	6						1	49.2					8	6					1				
CARRIED FROM SHEET	16	12.5			31.8					2	4				6.25	24	64	2	2		1			2		2	2	2	2	
CARRIED FROM SHEET	17																													
100% CITY TOTAL CARRIED TO GENERAL SUMMARY	1192	223	37	78	48	42	126	50	0	24	58	0	0	17	996	548	1974	24	112	5	119	16	2	20	13	40	11	21	11	0
GRAND TOTAL CARRIED TO GENERAL SUMMARY	1715	254	37	78	48	42	140	52	0	26	170	0	0	18	1301	592	5322	26	148	6	147	18	5	70	18	111	49	71	46	0

CALCULATED ALP CHECKED LAB  
**SIGNING SUBSUMMARY**  
**SUM - 8 - 1.75**  
 18  
 36





SEE SHEET FOR HOWE RD DETAILS



\* - 100% AKRON FUNDING  
 △ - 100% CUYAHOGA FALLS FUNDING

**LEGEND**

EX-NO WORK	
EX-REMOVE	
EX-REPLACE WITH NEW	
NEW	
SIGN POST REFLECTOR	

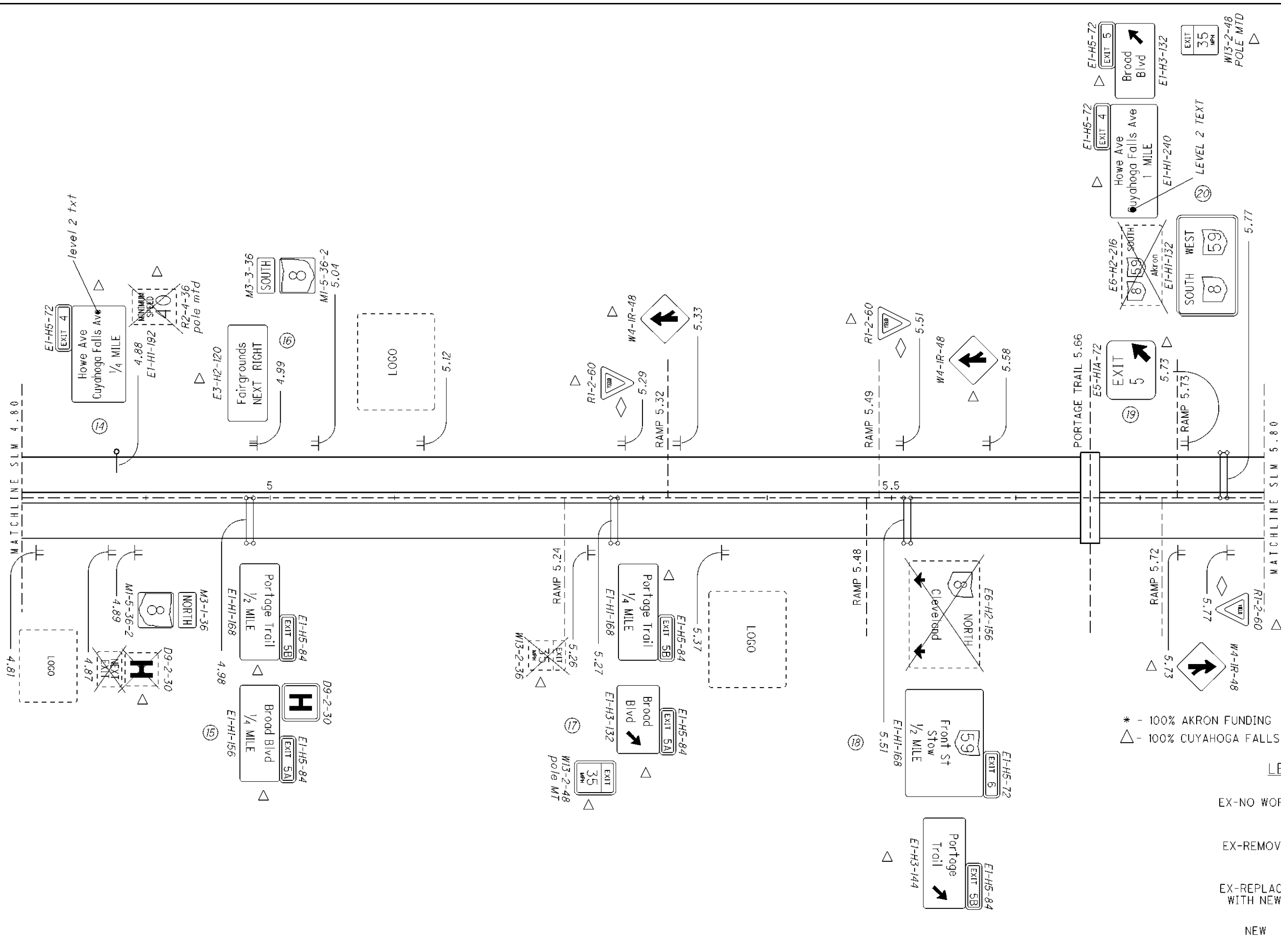
**SUM-8-1.75**

**SR 8 SIGNING PLAN**  
**SLM 3.80 TO SLM 4.80**

CALCULATED ALP CHECKED	HORIZONTAL SCALE IN FEET
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21  
36

SEE SHEET FOR PORTAGE TRAIL DETAILS



\* - 100% AKRON FUNDING  
 △ - 100% CUYAHOGA FALLS FUNDING

**LEGEND**

EX-NO WORK	
EX-REMOVE	
EX-REPLACE WITH NEW	
NEW	
SIGN POST REFLECTOR	

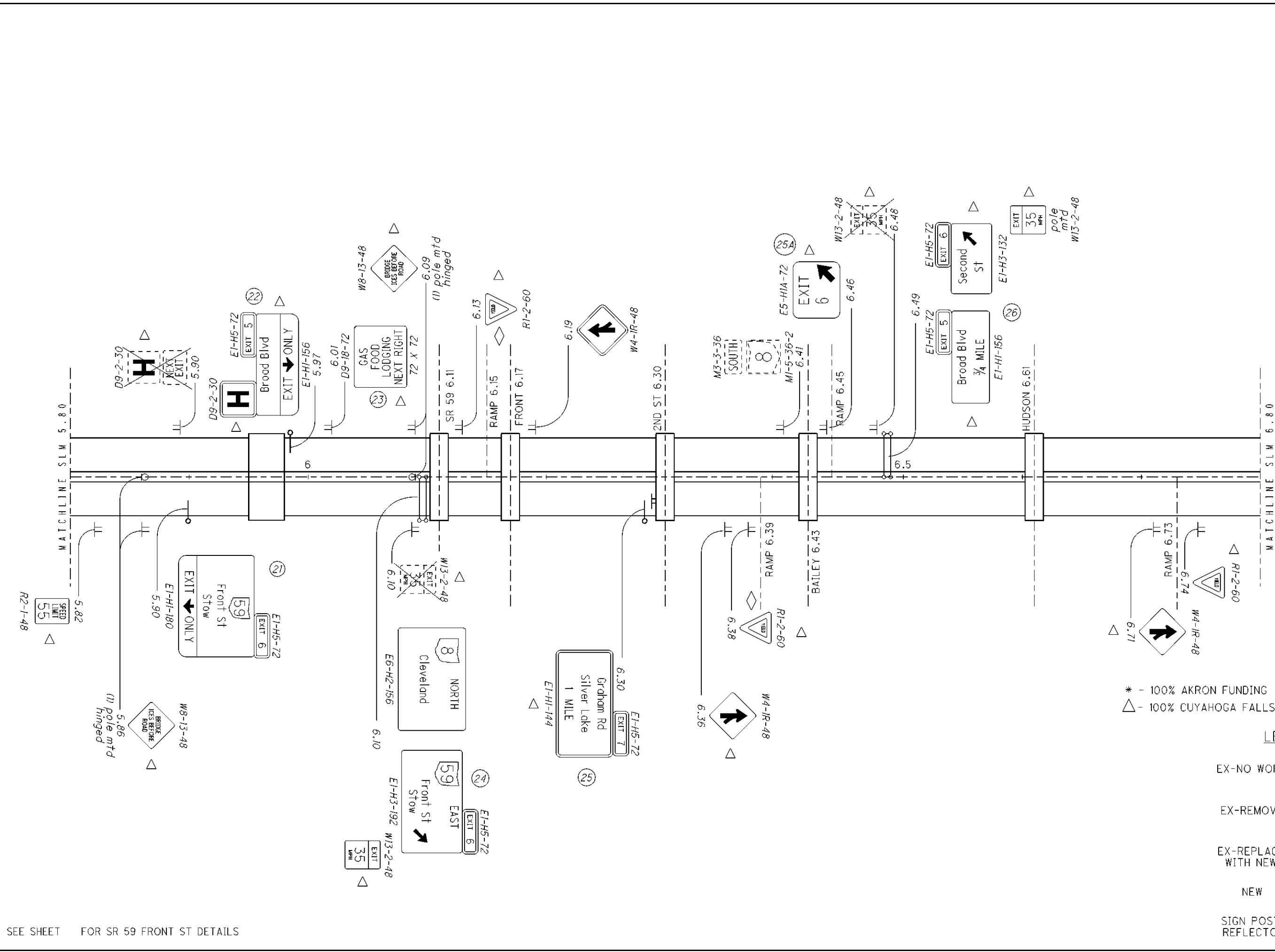
**SUM-8-1.75**

**SR 8 SIGNING PLAN**  
**SLM 4.80 TO SLM 5.80**

CALCULATED ALP CHECKED	 HORIZONTAL SCALE IN FEET
------------------------------	---------------------------------

22  
36





SEE SHEET FOR SR 59 FRONT ST DETAILS

\* - 100% AKRON FUNDING  
 ▲ - 100% CUYAHOGA FALLS FUNDING

**LEGEND**

EX-NO WORK	
EX-REMOVE	
EX-REPLACE WITH NEW	
NEW	
SIGN POST REFLECTOR	

CALCULATED ALP CHECKED

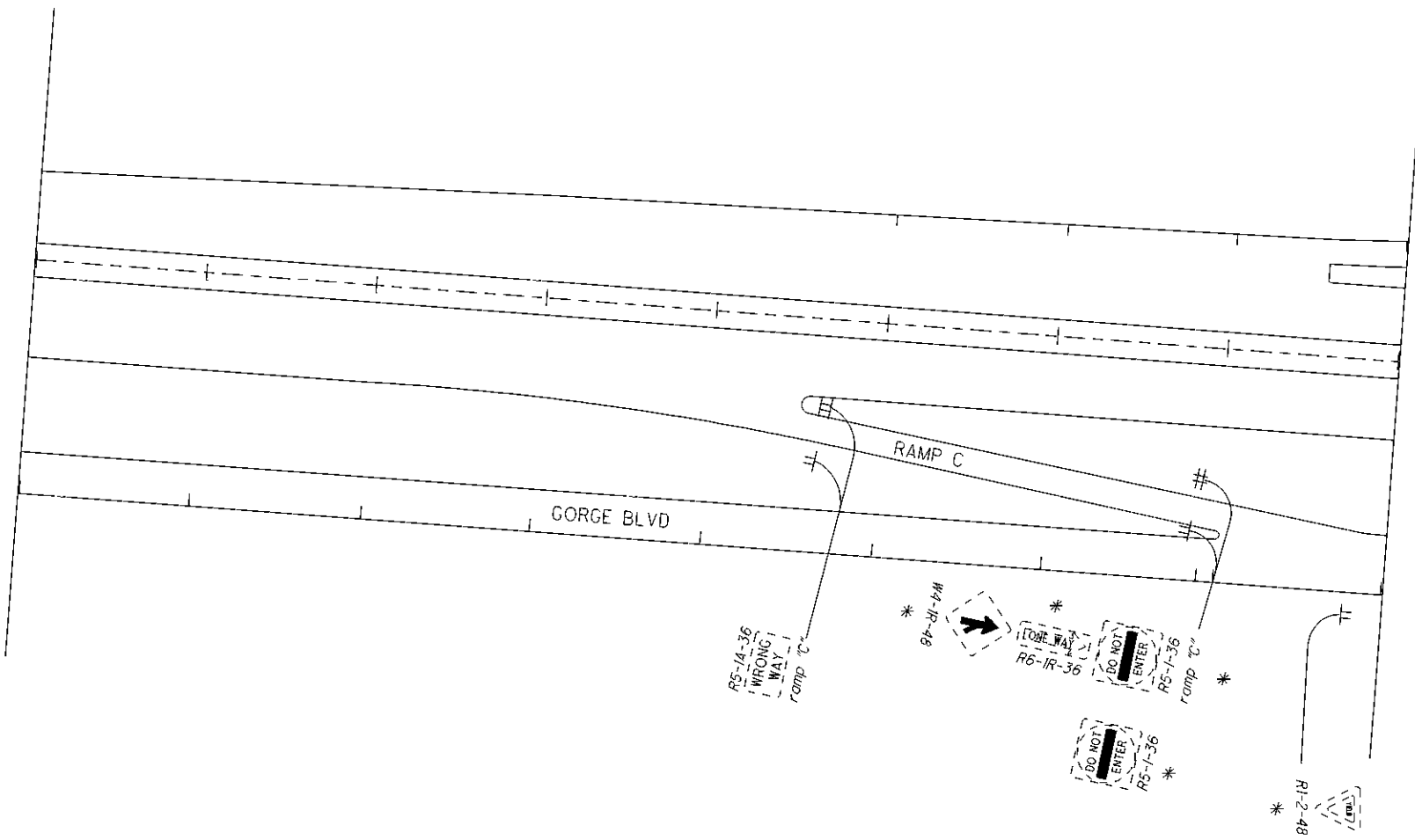
HORIZONTAL SCALE IN FEET

**SR 8 SIGNING PLAN**  
**SLM 5.80 TO SLM 6.80**

**SUM-8-1.75**







\* - 100% AKRON FUNDING  
 △ - 100% CUYAHOGA FALLS FUNDING

**LEGEND**

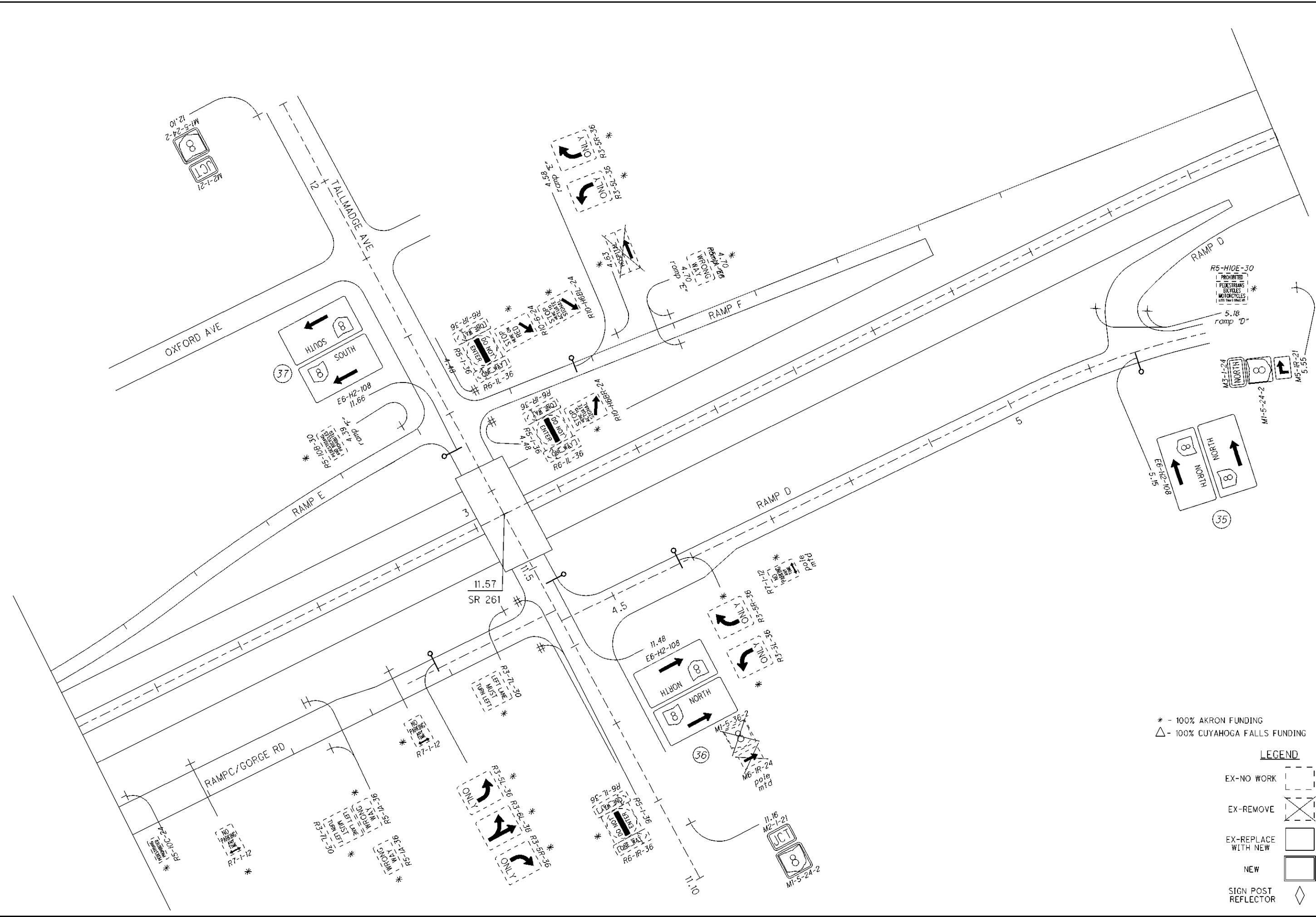
EX-NO WORK	
EX-REMOVE	
EX-REPLACE WITH NEW	
NEW	
SIGN POST REFLECTOR	

CALCULATED  
ALP  
CHECKED

HORIZONTAL SCALE IN FEET

**SR 8 SIGNING PLAN  
 SR 261 RAMPS**

**SUM-8-1.75**



\* - 100% AKRON FUNDING  
 △ - 100% CUYAHOGA FALLS FUNDING

**LEGEND**

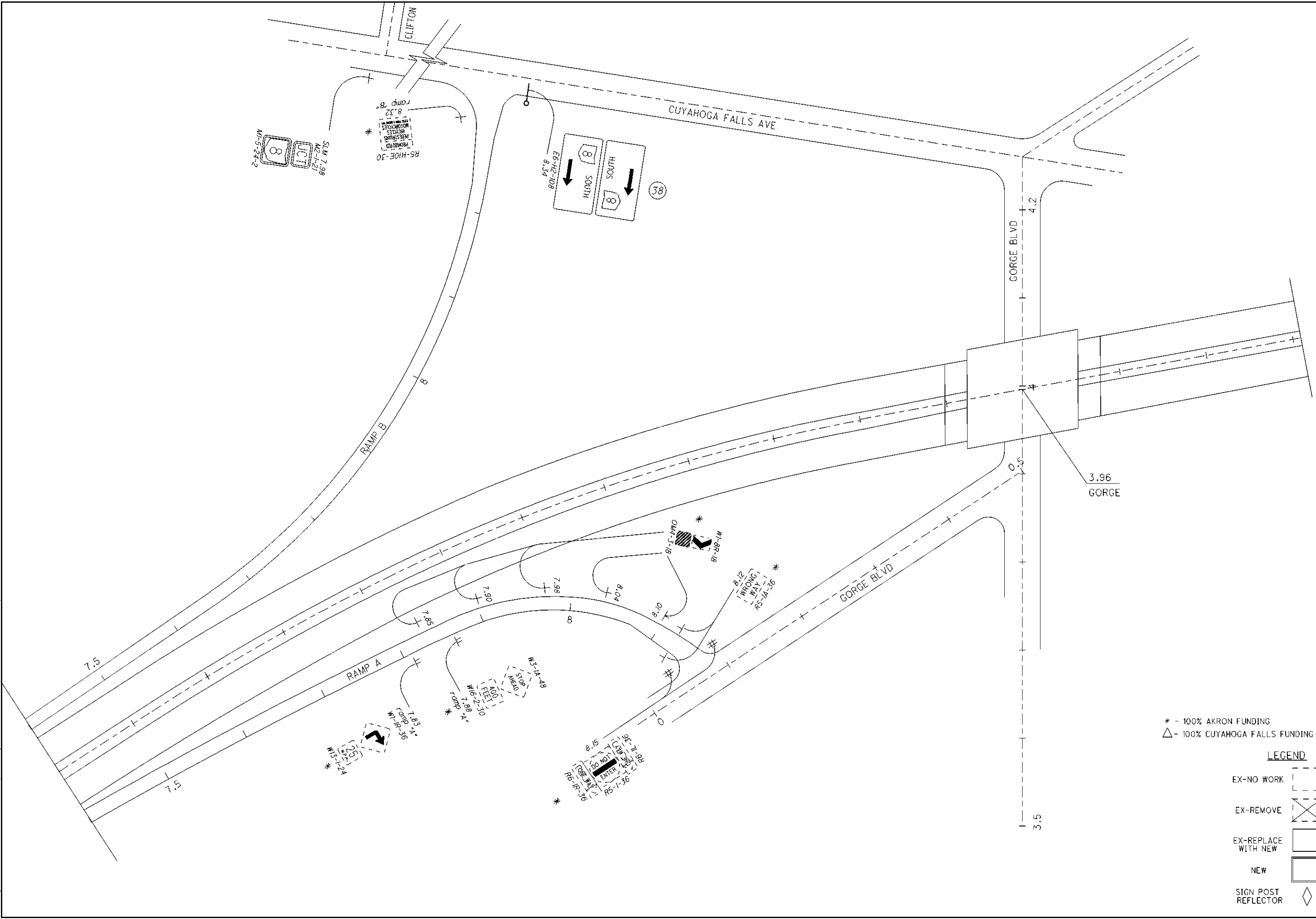
EX-NO WORK	
EX-REMOVE	
EX-REPLACE WITH NEW	
NEW	
SIGN POST REFLECTOR	

CALCULATED ALP CHECKED

HORIZONTAL SCALE IN FEET

**SR 8 SIGNING PLAN  
 SR 261 INTERCHANGE**

**SUM-8-1.75**



\* - 100% AKRON FUNDING  
 △ - 100% CUYAHOGA FALLS FUNDING

**LEGEND**

EX-NO WORK	
EX-REMOVE	
EX-REPLACE WITH NEW	
NEW	
SIGN POST REFLECTOR	

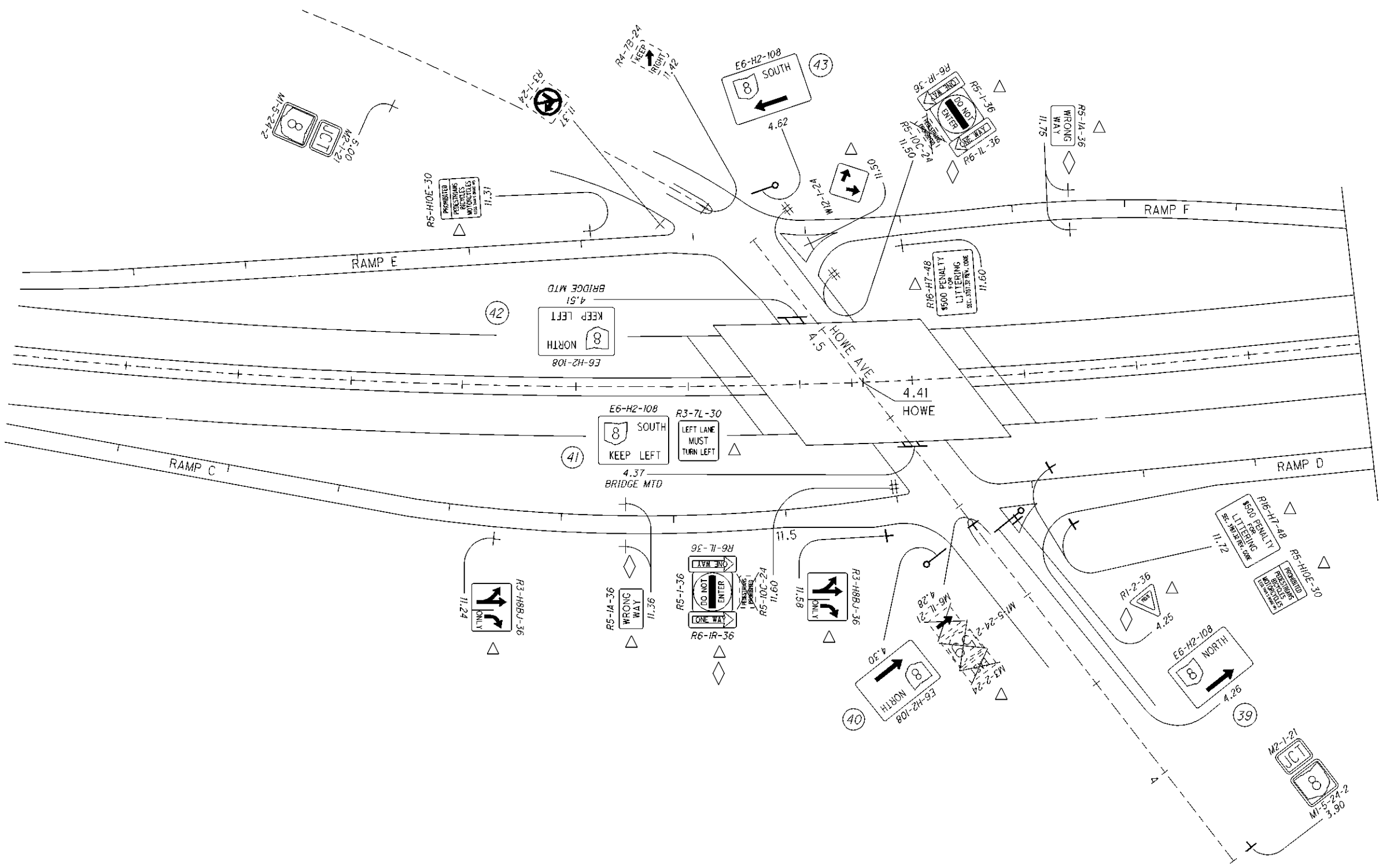
CALCULATED  
 ALP  
 CHECKED

0  
 10  
 20  
 30  
 40  
 50  
 60  
 70  
 80  
 90  
 100

HORIZONTAL SCALE IN FEET

**SR 8 SIGNING PLAN  
 GORGE BLVD INTERCHANGE**

**SUM-8-1.75**



\* - 100% AKRON FUNDING  
 △ - 100% CUYAHOGA FALLS FUNDING

**LEGEND**

EX-NO WORK	
EX-REMOVE	
EX-REPLACE WITH NEW	
NEW	
SIGN POST REFLECTOR	

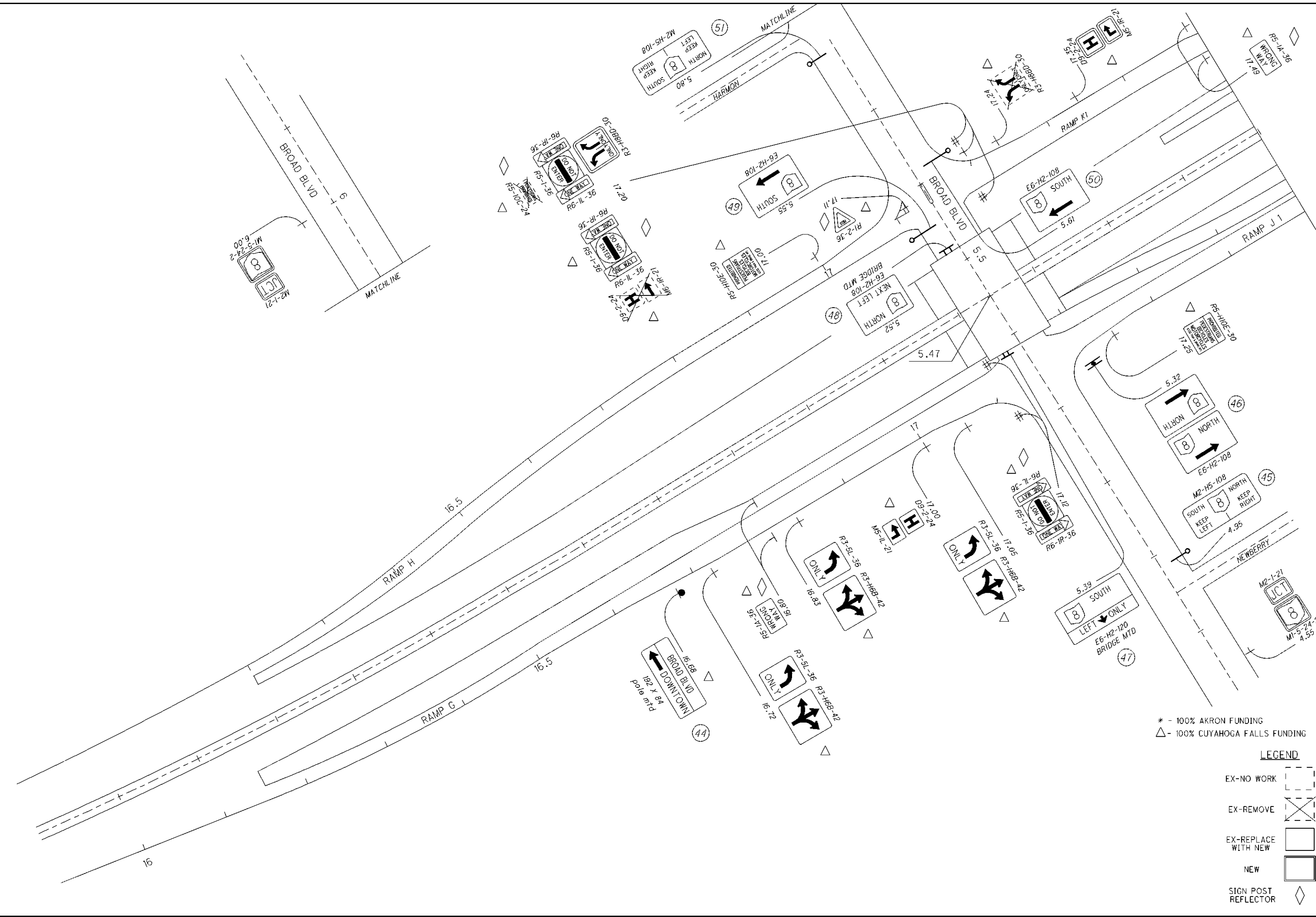
CALCULATED  
ALP  
CHECKED

HORIZONTAL SCALE IN FEET

**SR 8 SIGNING PLAN  
 HOWE AVE INTERSECTION**

**SUM-8-1.75**





\* - 100% AKRON FUNDING  
 △ - 100% CUYAHOGA FALLS FUNDING

**LEGEND**

EX-NO WORK	
EX-REMOVE	
EX-REPLACE WITH NEW	
NEW	
SIGN POST REFLECTOR	

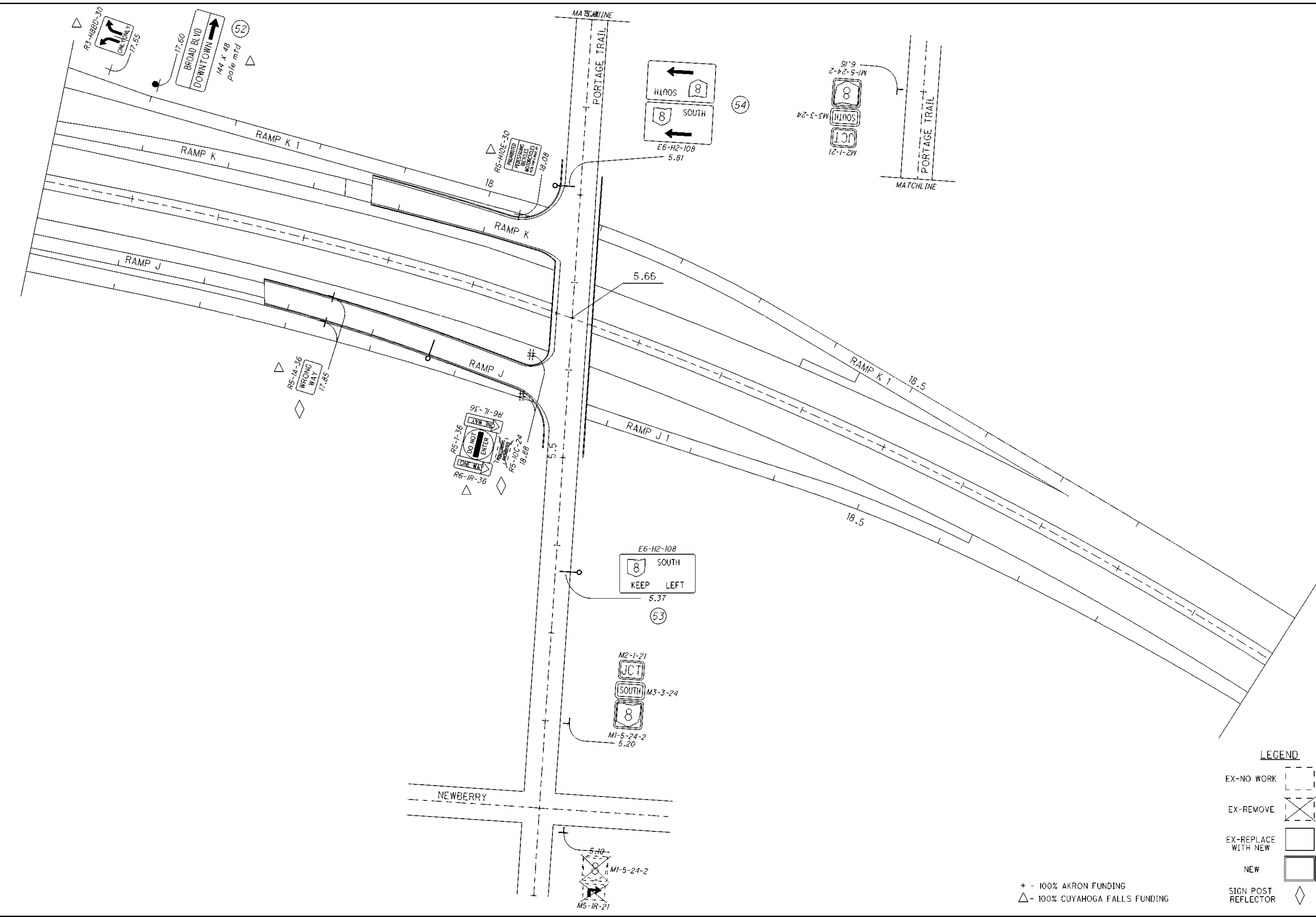
CALCULATED  
 ALP  
 CHECKED

HORIZONTAL SCALE IN FEET

**SR 8 SIGNING PLAN  
 BROAD BLVD INTERCHANGE**

**SUM-8-1.75**

30  
 36



CALCULATED  
ALP  
CHECKED

0 10 20  
HORIZONTAL  
SCALE IN FEET

N

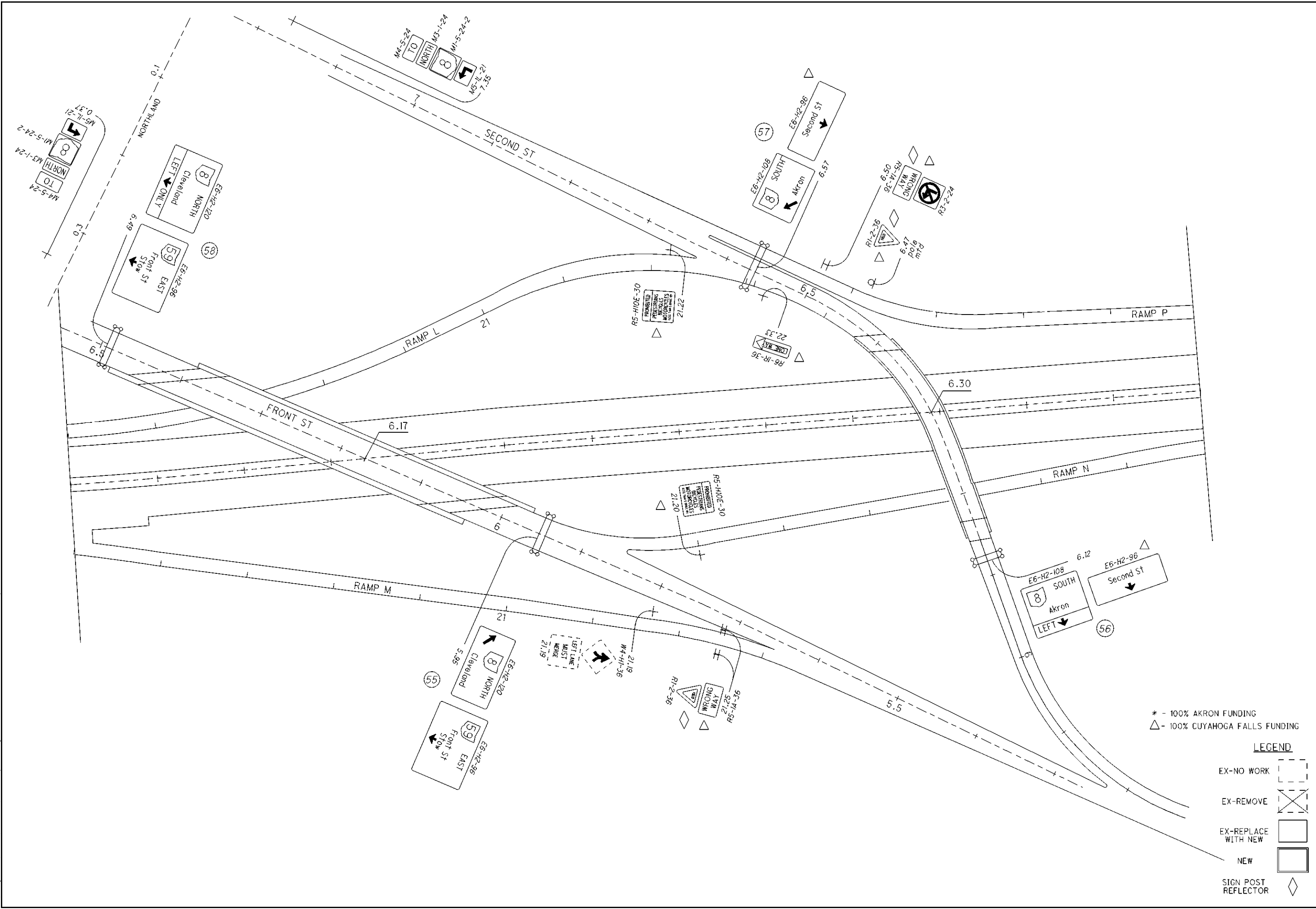
**SR 8 SIGNING PLAN  
PORTAGE TRAIL INTERCHANGE**

**SUM-8-1.75**

**LEGEND**

EX-NO WORK	
EX-REMOVE	
EX-REPLACE WITH NEW	
NEW	
SIGN POST REFLECTOR	

\* - 100% AKRON FUNDING  
 △ - 100% CUYAHOGA FALLS FUNDING



\* - 100% AKRON FUNDING  
 △ - 100% CUYAHOGA FALLS FUNDING

**LEGEND**

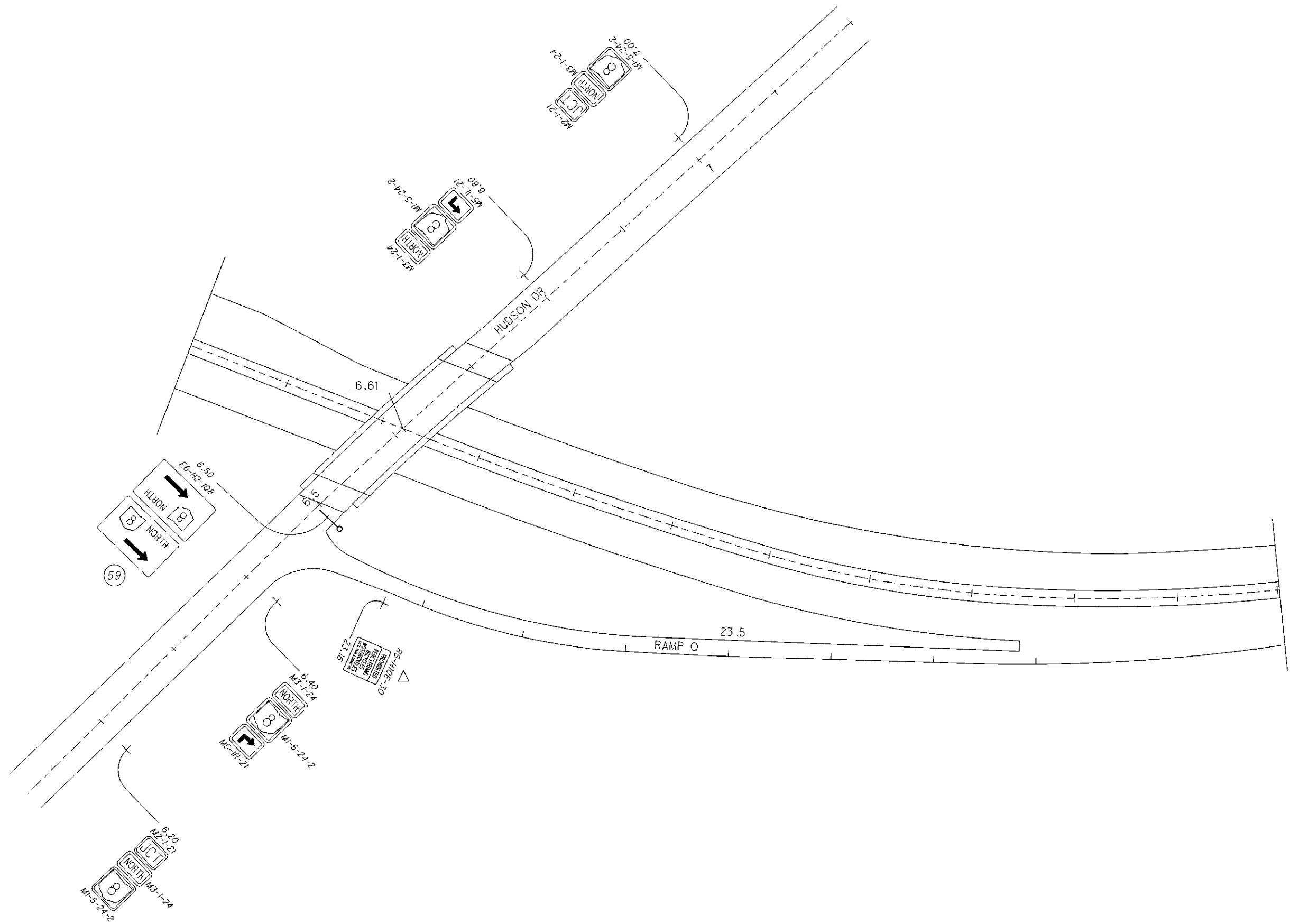
EX-NO WORK	
EX-REMOVE	
EX-REPLACE WITH NEW	
NEW	
SIGN POST REFLECTOR	

CALCULATED  
ALP  
CHECKED

HORIZONTAL SCALE IN FEET

**SR 8 SIGNING PLAN  
 FRONT AND SECOND ST INTERCHANGE**

**SUM-8-1.75**



\* - 100% AKRON FUNDING  
 △ - 100% CUYAHOGA FALLS FUNDING

**LEGEND**

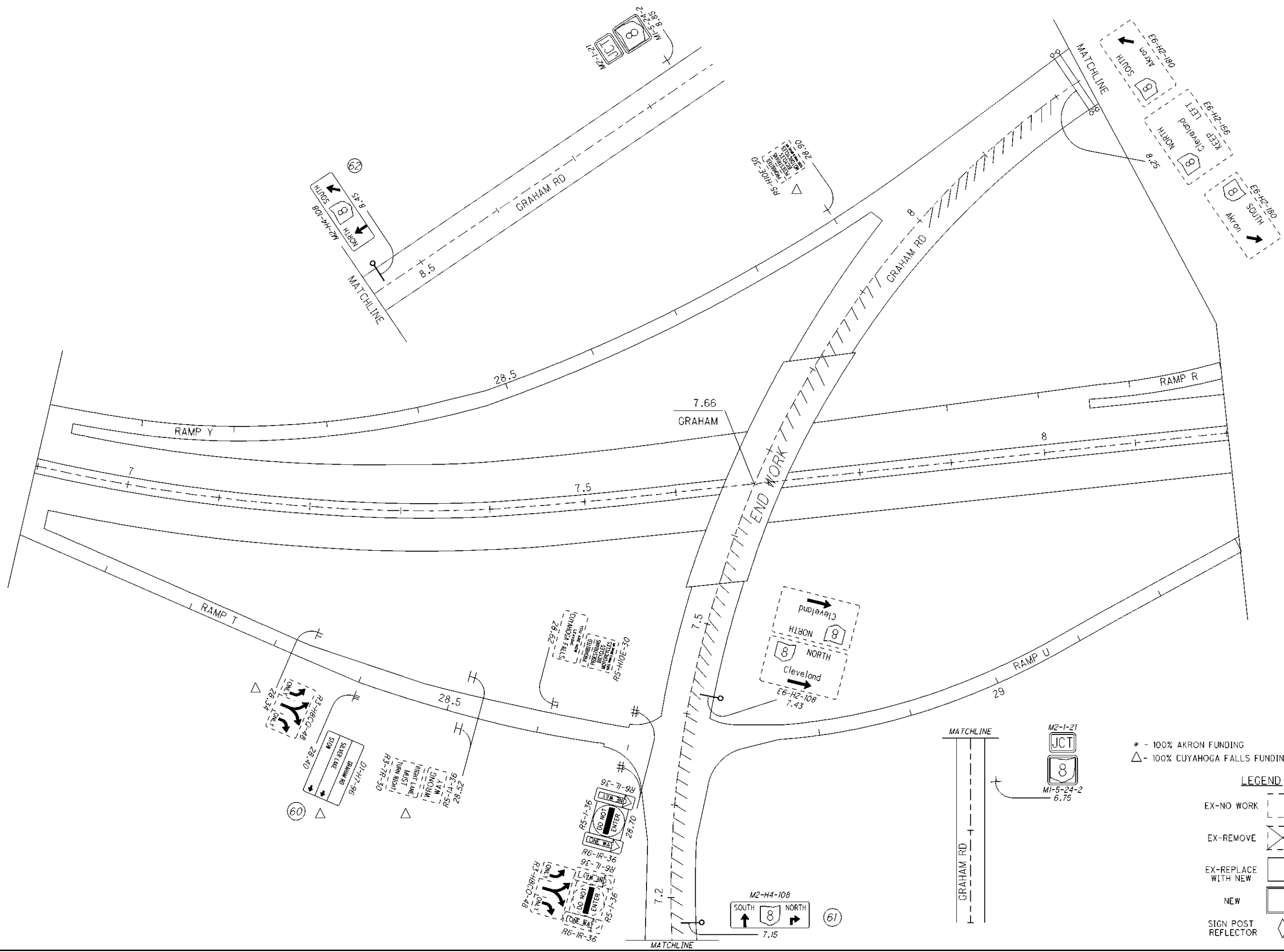
EX-NO WORK	
EX-REMOVE	
EX-REPLACE WITH NEW	
NEW	
SIGN POST REFLECTOR	

CALCULATED  
ALP  
CHECKED

HORIZONTAL SCALE IN FEET

**SR 8 SIGNING PLAN  
HUDSON RD INTERCHANGE**

**SUM-8-1.75**

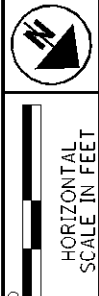


CALCULATED  
ALP  
CHECKED

**SR 8 SIGNING PLAN  
GRAHAM RD INTERCHANGE**

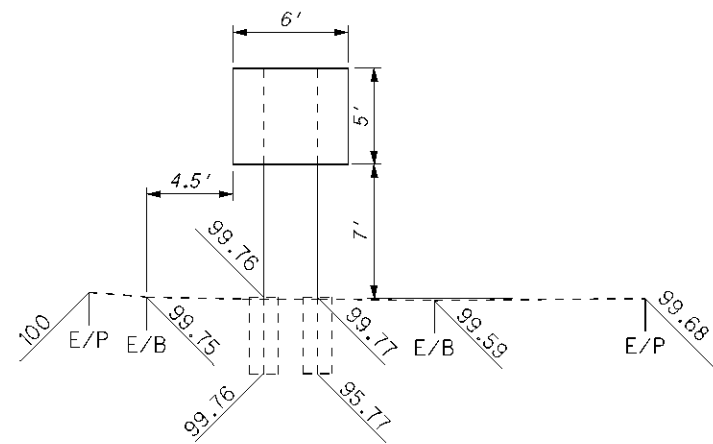
**SUM-8-1.75**

34  
36

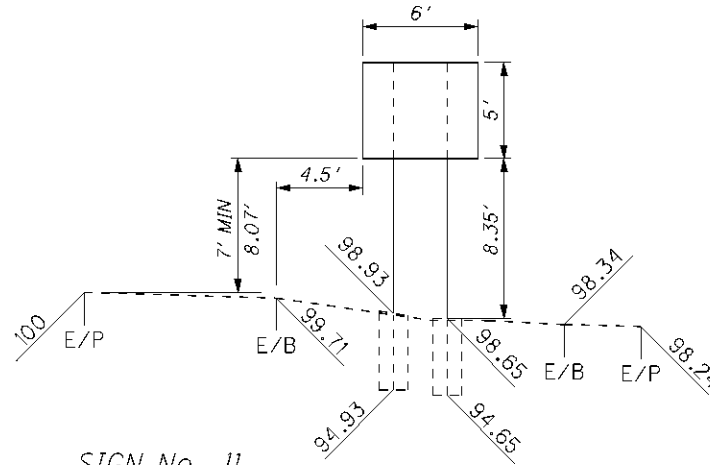


\* - 100% AKRON FUNDING  
 △ - 100% CUYAHOGA FALLS FUNDING

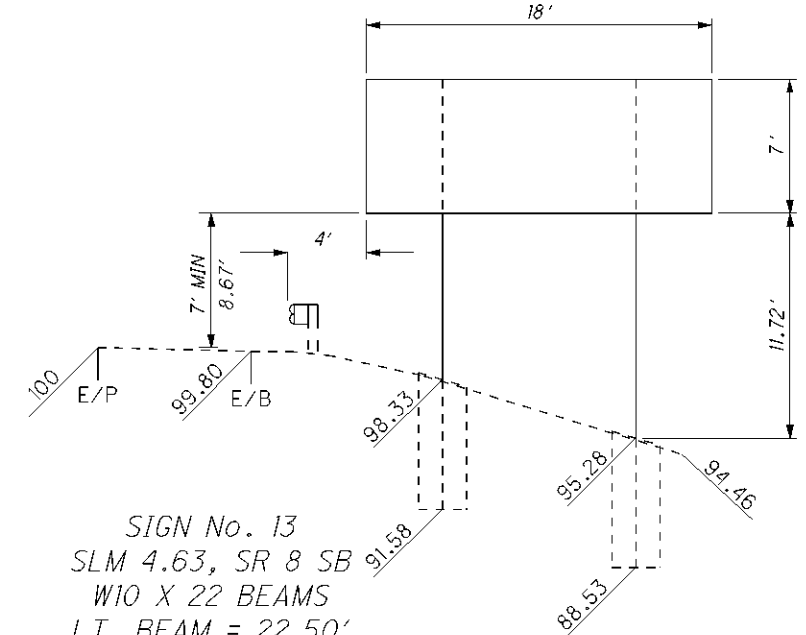
- LEGEND**
- EX-NO WORK [dashed box]
  - EX-REMOVE [crossed box]
  - EX-REPLACE WITH NEW [solid box with 'X']
  - NEW [solid box]
  - SIGN POST [diamond]
  - REFLECTOR [diamond]



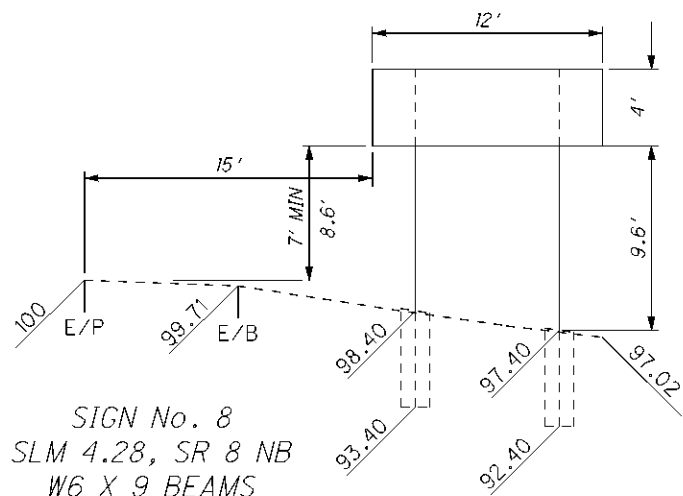
SIGN No. 9  
SLM 4.33, SR 8 NB  
S4 X 7.7 BEAMS  
LT. BEAM = 15.92'  
RT. BEAM = 15.91'  
BREAKAWAY BEAM CONNECTIONS



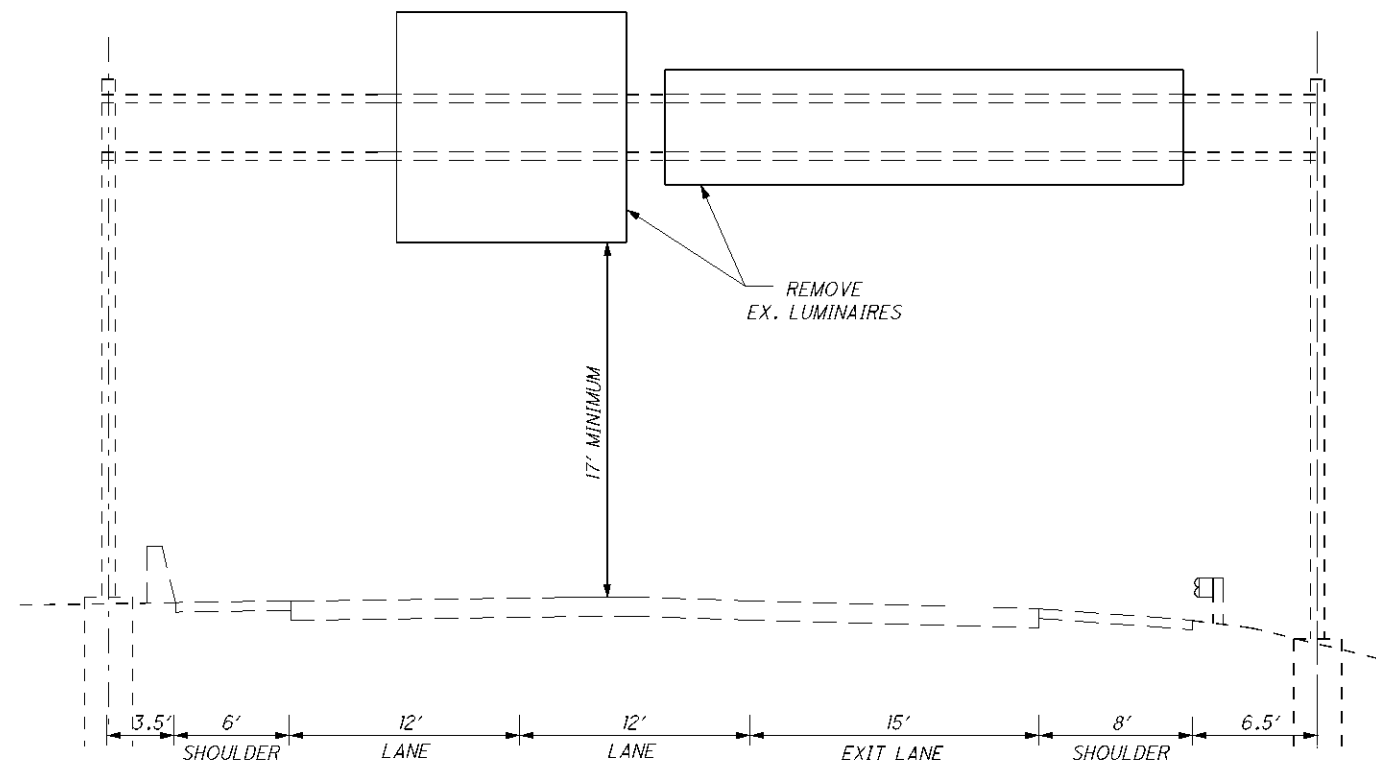
SIGN No. 11  
SLM 4.55, SR 8 SB  
S4 X 7.7 BEAMS  
LT. BEAM = 17.00'  
RT. BEAM = 17.25'  
BREAKAWAY BEAM CONNECTIONS



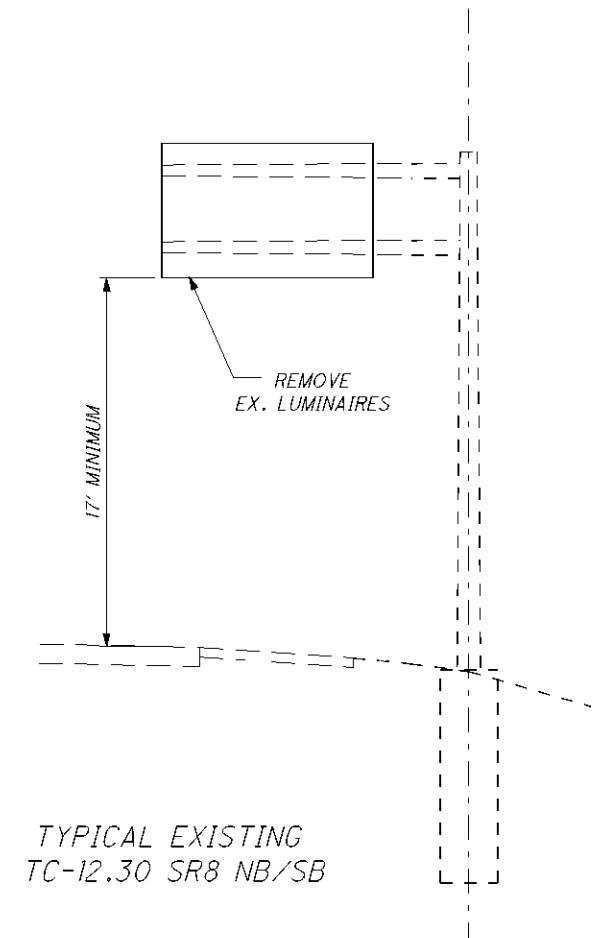
SIGN No. 13  
SLM 4.63, SR 8 SB  
W10 X 22 BEAMS  
LT. BEAM = 22.50'  
RT. BEAM = 25.50'  
BREAKAWAY BEAM CONNECTIONS



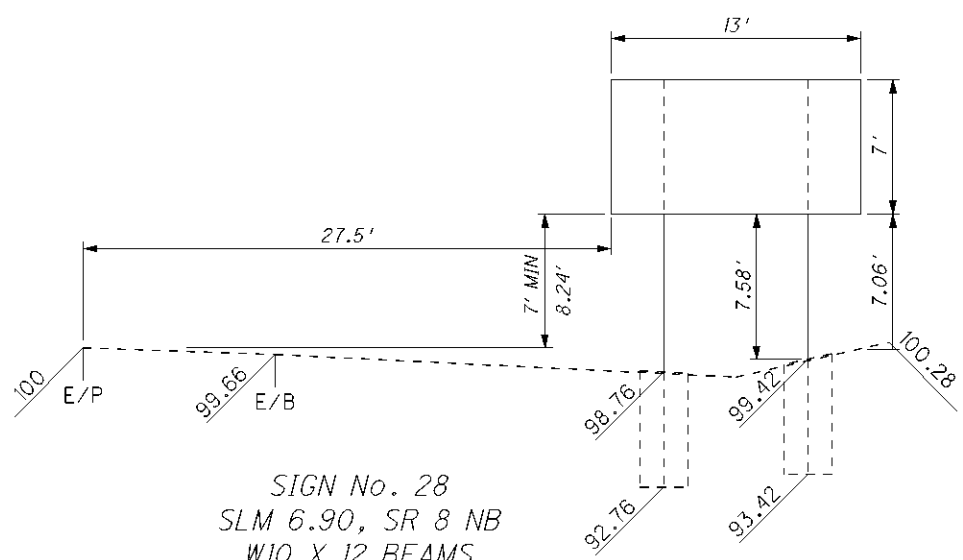
SIGN No. 8  
SLM 4.28, SR 8 NB  
W6 X 9 BEAMS  
LT. BEAM = 17.60'  
RT. BEAM = 18.60'  
BREAKAWAY BEAM CONNECTIONS



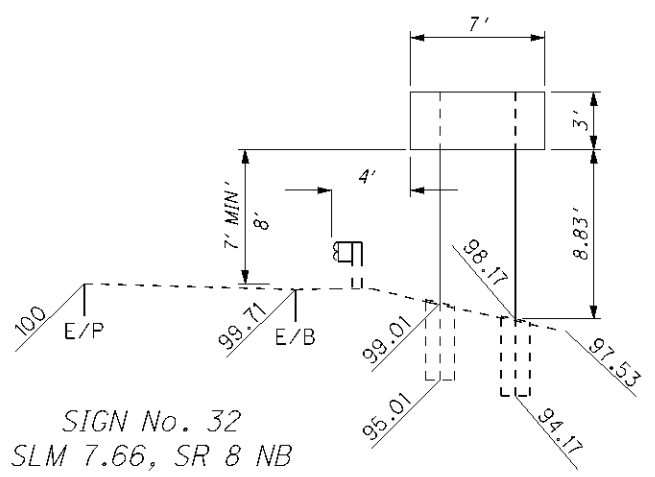
TYPICAL EXISTING  
OVERHEAD SIGN SUPPORT  
SR 8 NB/SB



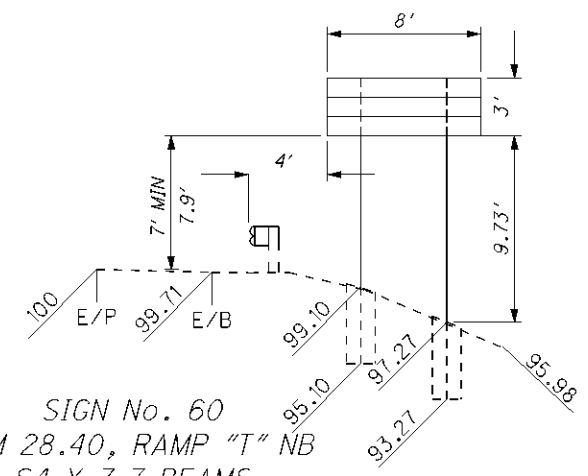
TYPICAL EXISTING  
TC-12.30 SR8 NB/SB



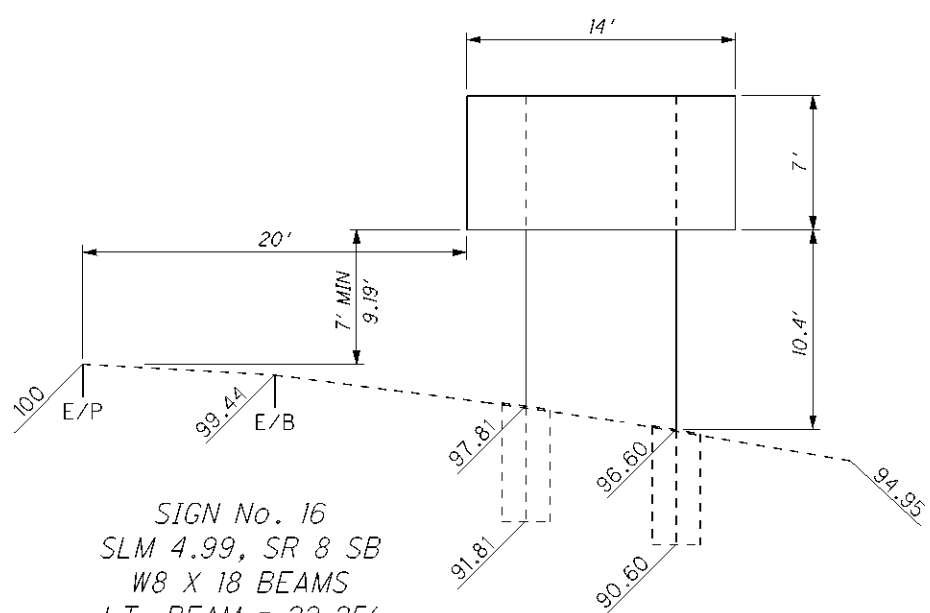
SIGN No. 28  
 SLM 6.90, SR 8 NB  
 W10 X 12 BEAMS  
 LT. BEAM = 21.25'  
 RT. BEAM = 20.75'  
 BREAKAWAY BEAM CONNECTIONS



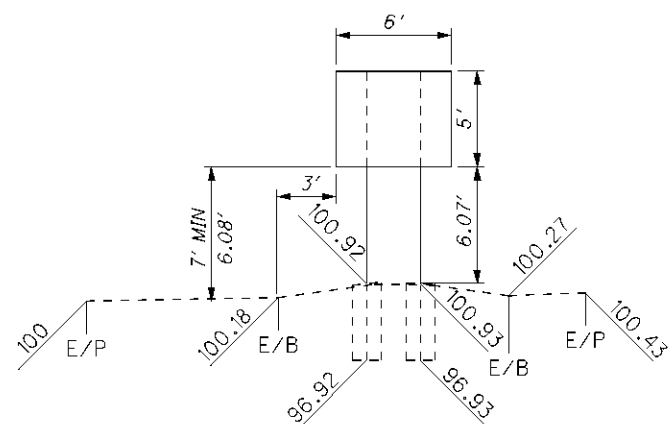
SIGN No. 32  
 SLM 7.66, SR 8 NB  
 S4 X 7.7 BEAMS  
 LT. BEAM = 15.00'  
 RT. BEAM = 16.00'  
 BREAKAWAY BEAM CONNECTIONS



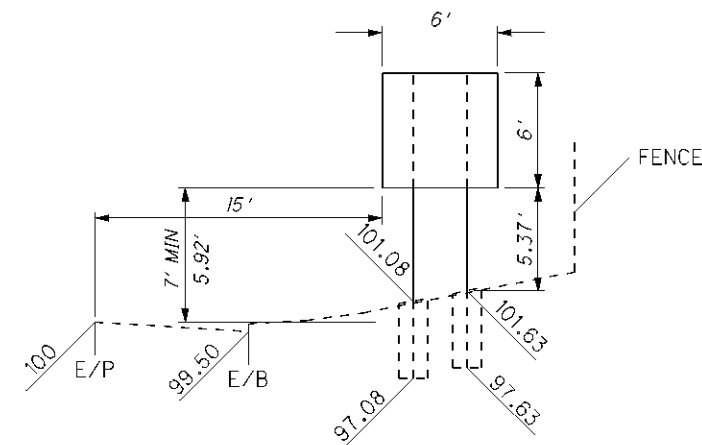
SIGN No. 60  
 SLM 28.40, RAMP "T" NB  
 S4 X 7.7 BEAMS  
 LT. BEAM = 15.00'  
 RT. BEAM = 16.75'  
 BREAKAWAY BEAM CONNECTIONS



SIGN No. 16  
 SLM 4.99, SR 8 SB  
 W8 X 18 BEAMS  
 LT. BEAM = 22.25'  
 RT. BEAM = 23.50'  
 BREAKAWAY BEAM CONNECTIONS



SIGN No. 19  
 SLM 5.73, SR 8 SB  
 S4 X 7.7 BEAMS  
 LT. BEAM = 15.25'  
 RT. BEAM = 15.25'  
 BREAKAWAY BEAM CONNECTIONS



SIGN No. 23  
 SLM 5.73, SR 8 SB  
 S4 X 7.7 BEAMS  
 LT. BEAM = 16.00'  
 RT. BEAM = 15.50'  
 BREAKAWAY BEAM CONNECTIONS