ITEM 614, MAINTAINING TRAFFIC

A MINIMUM OF ONE 10-FOOT LANE OF TRAFFIC ON SR-18 SHALL BE MAINTAINED AT ALL TIMES BY USE OF THE EXISTING PAVEMENT, THE COMPLETED PAVEMENT, AND TEMPORARY TRAFFIC SIGNALS.

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.

REDUCING TRAFFIC TO ONE LANE AT ALL THREE PROJECT LOCATIONS CONCURRENTLY WILL NOT BE ALLOWED. CONCURRENT LANE CLOSURES WILL BE PERMITTED FOR MED-18-2.41, AND EITHER MED-18-1.71 OR MED-18-1.92. CONCURRENT LANE CLOSURES FOR MED-18-1.71 AND MED-18-1.92 WILL NOT BE ALLOWED.

LANE CLOSURES MAY ONLY BE IN PLACE A MAXIMUM OF 150 CALENDAR DAYS AT EACH STRUCTURE.

ALL LANES OF TRAFFIC MUST BE OPEN TO TRAFFIC FROM NOVEMBER 15TH THROUGH MARCH 15TH.

THE LUMP SUM PRICE BID FOR ITEM 614, MAINTAINING TRAFFIC SHALL INCLUDE THE COST OF REMOVING EXISTING PAVEMENT MARKINGS.

THE LUMP SUM PRICE BID FOR ITEM 614, MAINTAINING TRAFFIC SHALL INCLUDE THE COST OF REMOVING ALL CONFLICTING RAISED PAVEMENT MARKING REFLECTORS.

THE LUMP SUM PRICE BID FOR ITEM 614, MAINTAINING TRAFFIC SHALL INCLUDE THE COST OF FURNISHING, MAINTAINING IN AN ACCEPTABLE CONDITION, AND REMOVING TEMPORARY SIGNS, SUPPORTS, WARNING LIGHTS, BARRICADES, DRUMS, COMPLETE WORK ZONE PORTABLE TRAFFIC SIGNAL ASSEMBLIES, TRAFFIC DETECTORS, AND WORK ZONE IMPACT ATTENUATORS. TEMPORARY DRIVES AND PAVEMENT SHALL BE PAID FOR SEPARATELY.

ALL WORK AND TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH CMS 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.

NOTIFICATION OF TRAFFIC RESTRICTIONS

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

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

LANE CLOSURES AND RESTRICTIONS	> 2 WEEKS	14 DAYS PRIOR TO CLOSURE
	< 2 WEEKS	5 BUSINESS DAYS PRIOR TO CLOSURE
START OF CONSTRUCTION & TRAFFIC PATTERN CHANGES		14 DAYS PRIOR TO IMPLEMENTATION

FULLY-ACTUATED OPERATION OF WORK ZONE TRAFFIC SIGNAL

THE WORK ZONE SIGNAL CONTROL REQUIRED FOR THIS PROJECT AND SHOWN ON SHEETS 12-17/104 AND SCDS MT-96.11, 96.20 AND 96.26 SHALL BE FULLY TRAFFIC-ACTUATED AND OPERATE IN A MANNER SIMILAR TO THAT DESCRIBED IN SECTION 733.02 OF THE CONSTRUCTION AND MATERIAL SPECIFICATIONS.

THE INITIAL CONTROLLER TIMING FOR EACH LOCATION/PHASE SHALL BE SHOWN ON THE MAINTENANCE OF TRAFFIC PLANS.

THE CONTRACTOR SHALL ALSO DESIGN, FURNISH, INSTALL AND MAINTAIN A TRAFFIC DETECTOR ON EACH TRAFFIC APPROACH WHICH WILL RELIABLY DETECT ALL LEGAL TRAFFIC APPROACHING (BUT NOT LEAVING) THE SIGNAL AS IT PASSES OR WAITS IN THE DESIGNATED DETECTOR ZONE SHOWN IN THE PLANS. DETECTOR DESIGNS WHICH DO NOT PROVIDE RELIABLE DETECTION, FREE FROM FALSE CALLS, SHALL BE IMMEDIATELY REPLACED BY THE CONTRACTOR.

DELINEATION OF PORTABLE AND PERMANENT BARRIER

BARRIER REFLECTORS AND/OR OBJECT MARKERS SHALL BE INSTALLED ON ALL PORTABLE BARRIER (PB) USED FOR TRAFFIC CONTROL AND ON PERMANENT CONCRETE BARRIER (INCLUDING BRIDGE PARAPETS) LOCATED WITHIN 5 FEET OF THE EDGE OF THE ADJACENT TRAVEL LANE.

BARRIER REFLECTORS SHALL CONFORM TO C&MS 626, EXCEPT THAT THE SPACING SHALL BE AS PER TRAFFIC SCD MT-101.70. OBJECT MARKERS AND THEIR INSTALLATION SHALL CONFORM TO C&MS 614.03 AND SCD MT-101.70. WHEN THE PB CONTAINS GLARE SCREEN, ONE SET OF THREE VERTICAL STRIPES OF SHEETING SHALL BE CONSIDERED EQUIVALENT TO AN OBJECT MARKER, ONE-WAY.

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED IN THE PLANS AND CARRIED TO THE GENERAL SUMMARY:

ITEM 614, BARRIER REFLECTOR, TYPE 1 (BIDIRECTIONAL)	61	EACH
ITEM 614, OBJECT MARKER, TWO-WAY	24	EACH

PAYMENT SHALL BE FULL COMPENSATION FOR ALL MATERIAL, LABOR, INCIDENTALS AND EQUIPMENT NECESSARY FOR FURNISHING, INSTALLING, MAINTAINING, AND REMOVING EACH OF THE ABOVE ITEMS.

CONTINUOUS ACCESS

THE CONTRACTOR SHALL MAINTAIN SAFE AND ADEQUATE DRIVEWAYS IN ORDER TO PROVIDE CONTINUOUS ACCESS FOR PASSENGER VEHICLES, TRUCKS, AND SAFETY EQUIPMENT TO ALL ADJOINING PROPERTIES. THE COST FOR ALL MATERIALS, EQUIPMENT AND LABOR NECESSARY TO PROVIDE CONTINUOUS ACCESS SHALL BE INCLUDED IN THE LUMP SUM PRICE BID FOR ITEM 614 - MAINTAINING TRAFFIC.

DUST CONTROL

THE CONTRACTOR SHALL FURNISH AND APPLY WATER FOR DUST CONTROL AS DIRECTED BY THE ENGINEER. THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED FOR DUST CONTROL PURPOSES:

ITEM 616, WATER 3 M. GAL

ITEM 615, ROADS FOR MAINTAINING TRAFFIC

THE LUMP SUM PRICE BID FOR ITEM 615, ROADS FOR MAINTAINING TRAFFIC SHALL INCLUDE THE REMOVAL AND REPLACEMENT OF THE EXISTING SIDEWALK WITHIN THE CONSTRUCTION LIMITS OF THE TEMPORARY DRIVE AS SHOWN ON SHEET 45/114.

THE LUMP SUM PRICE FOR ITEM 615, ROADS FOR MAINTAINING TRAFFIC SHALL INCLUDE THE INSTALLATION AND REMOVAL OF ALL TEMPORARY DRAINAGE SHOWN ON SHEET 46/114.

EARTHWORK FOR MAINTAINING TRAFFIC

THE FOLLOWING QUANTITIES HAVE BEEN INCLUDED IN THE PLAN FOR INFORMATION ONLY.

EXCAVATION FOR MAINTAINING TRAFFIC	15 CU. YD.
EMBANKMENT FOR MAINTAINING TRAFFIC	970 CU. YD.

WHEN UNDERCUTS ARE NECESSARY FOR MAINLINE PAVEMENT OR EMBANKMENT CONSTRUCTION, EVALUATE THE NEED FOR TEMPORARY ROAD UNDERCUTS IF WITHIN A CLOSE PROXIMITY TO THE MAINLINE UNDERCUTS. A GEOTECHNICAL EVALUATION SHOULD BE CONSIDERED TO DETERMINE IF THE EXISTING SOIL CONDITIONS ARE ADEQUATE TO SUPPORT THE TEMPORARY ROAD. ADDITIONAL SOIL BORINGS ALONG THE TEMPORARY ROAD ARE NOT NORMALLY REQUIRED.

DELINEATION OF TEMPORARY AND PERMANENT GUARDRAIL

BARRIER REFLECTORS SHALL BE INSTALLED ON ALL TEMPORARY GUARDRAIL USED FOR TRAFFIC CONTROL AND ON ALL PERMANENT GUARDRAIL LOCATED WITHIN 5 FEET OF THE EDGE OF THE ADJACENT TRAVEL LANE. BARRIER REFLECTORS SHALL CONFORM TO C&MS 626 AND THE SPACING SHALL BE APPROXIMATELY 50 FEET.

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED IN THE PLANS AND CARRIED TO THE GENERAL SUMMARY:

ITEM 614, BARRIER REFLECTOR, TYPE 2 (BIDIRECTIONAL)	56	EACH
ITEM 614, OBJECT MARKER, TWO-WAY	12	EACH

PAYMENT SHALL BE FULL COMPENSATION FOR ALL MATERIAL, LABOR, INCIDENTALS AND EQUIPMENT NECESSARY FOR FURNISHING, INSTALLING, MAINTAINING, AND REMOVING EACH OF THE ABOVE ITEMS.

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

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

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

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

* DURING THE ENTIRE ADVANCE PREPARATION AND CLOSURE SEQUENCE WHERE COMPLETE BLOCKAGE OF TRAFFIC IS REQUIRED.
* DURING A TRAFFIC SIGNAL INSTALLATION WHEN IMPACTING THE NORMAL FUNCTION OF THE SIGNAL OR THE FLOW OF TRAFFIC, OR WHEN TRAFFIC NEEDS TO BE DIRECTED THROUGH AN ENERGIZED TRAFFIC SIGNAL CONTRARY TO THE SIGNAL DISPLAY (E.G., DIRECTING MOTORISTS THROUGH A RED LIGHT).
* FOR LANE CLOSURES: DURING INITIAL SET-UP PERIODS, TEAR DOWN PERIODS, SUBSTANTIAL SHIFTS OF A CLOSURE POINT OR WHEN NEW LANE CLOSURE ARRANGEMENTS ARE INITIATED FOR LONG-TERM LANE CLOSURES/SHIFTS (FOR THE FIRST AND LAST DAY OF MAJOR CHANGES IN TRAFFIC CONTROL SETUP).

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

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

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

ENSURE PROVIDED LEOS HAVE BEEN TRAINED APPROPRIATE TO THE JOB DECISIONS THEY ARE REQUIRED TO MAKE WHILE ON THE PROJECT, IN ACCORDANCE WITH C&MS 614.03.

THE LEO SHALL REPORT IN TO THE CONTRACTOR PRIOR TO THE START OF THE SHIFT, IN ORDER TO RECEIVE INSTRUCTIONS REGARDING SPECIFIC WORK ASSIGNMENTS DURING HIS/HER SHIFT. THE LEO IS EXPECTED TO STAY AT THE PROJECT SITE FOR THE ENTIRE DURATION OF HIS/HER SHIFT. THE LEO SHALL REPORT TO THE CONTRACTOR AT THE END OF HIS/HER SHIFT. SHOULD IT BE NECESSARY TO LEAVE THE PROJECT SITE, THE LEO SHALL NOTIFY THE ENGINEER. THE CONTRACTOR SHALL PROVIDE THE LEO WITH A TWO-WAY COMMUNICATION DEVICE THAT SHALL BE RETURNED TO THE CONTRACTOR AT THE END OF HIS/HER SHIFT.

LEOS (WITH PATROL CAR) REQUIRED BY THE TRAFFIC MAINTENANCE TASKS ABOVE SHALL BE PAID FOR ON A UNIT PRICE (HOURLY) BASIS UNDER ITEM 614, LAW ENFORCEMENT OFFICER (WITH PATROL CAR) FOR ASSISTANCE. THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY.

ITEM 614, LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE	24 HOURS

THE HOURS PAID SHALL INCLUDE ANY MINIMUM SHOW-UP TIME REQUIRED BY THE LAW ENFORCEMENT AGENCY INVOLVED. ANY ADDITIONAL COSTS (ADMINISTRATIVE OR OTHERWISE) INCURRED BY THE CONTRACTOR TO OBTAIN THE SERVICES OF AN LEO ARE INCLUDED WITH THE BID UNIT PRICE FOR ITEM 614, LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE.

REV. BY	DATE	DESCRIPTION
BSM	7-24-23	ADDED LANE CLOSURE DURATION NOTE
BSM	7-12-23	REVISED LANE CLOSURES FOR MOT

DATE COMPLETED 07-12-2023

CALCULATED BSM CHECKED JBD

MAINTENANCE OF TRAFFIC NOTES

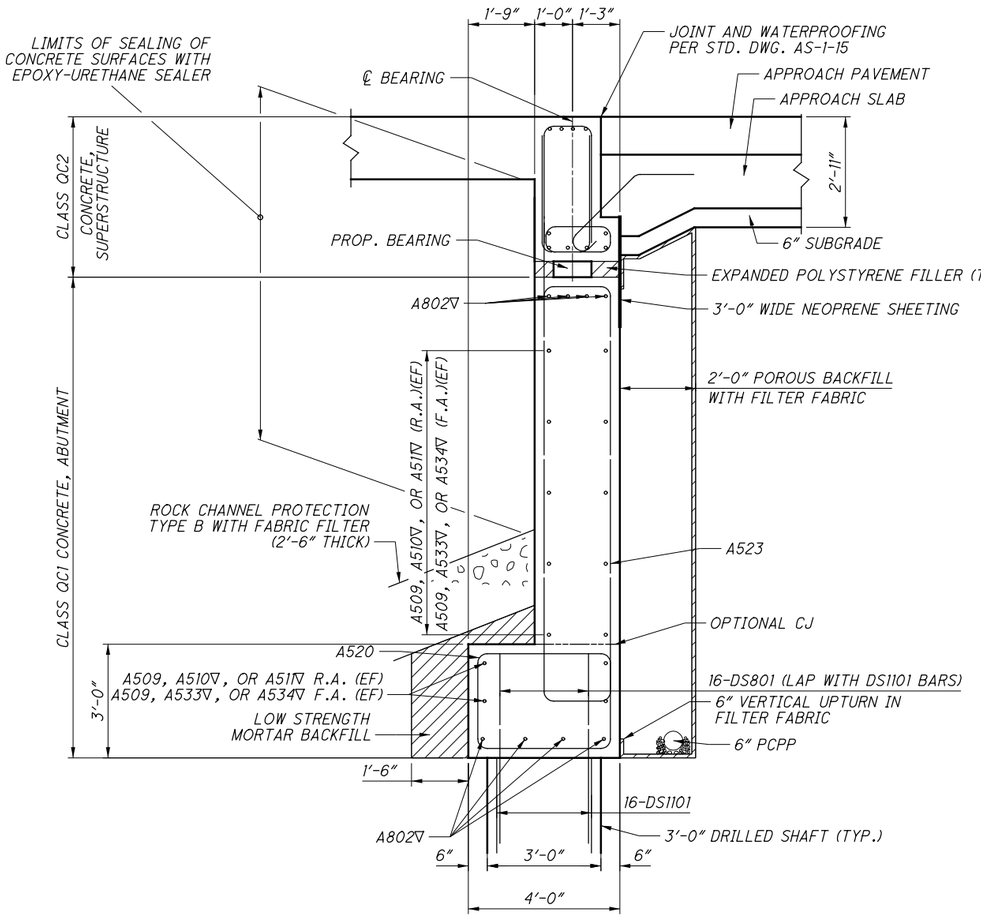
MED-18-(1.71)(1.92)(2.41)

LEGEND

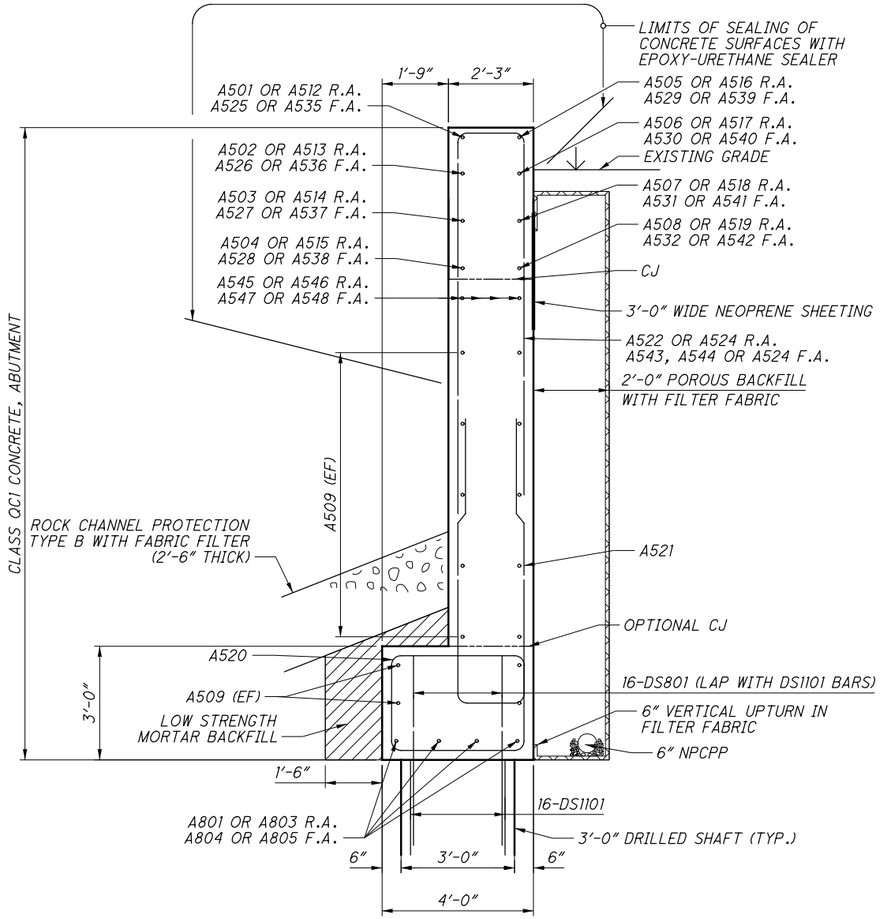
▽ - DENOTES BAR INSERTED INTO MECHANICAL SPLICE

NOTES

1. MINIMUM BAR LAPS
   LAP NO. 5 BARS 2'-9"
2. SEE SHEET 6/12 FOR REAR ABUTMENT DETAILS.
3. SEE SHEET 7/12 FOR FORWARD ABUTMENT DETAILS.



TYPICAL ABUTMENT SECTION



TYPICAL WINGWALL SECTION

REV. BY	DATE	DESCRIPTION
BSM	7-24-23	REVISED BAR MARKS

DATE COMPLETED 07-24-2023

DESIGN AGENCY
FISHBECK
28366 KENSINGTON LANE, SUITE 3
PERRYSBURG, OHIO 43551
PHONE:(419) 841-4704 FAX:(419) 841-2979

DESIGNED	DRAWN	REVIEWED	DATE
BSM	BSM	EEC	1-20-23
CHECKED	REVISED	STRUCTURE FILE NUMBER	
JBD		5200513	

ABUTMENT DETAILS

BRIDGE NO. MED-18-0193
SR 18 OVER CENTER CREEK

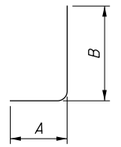
MED-18-(1.71)(1.92)(2.41)
PID No. 88876

8 / 12

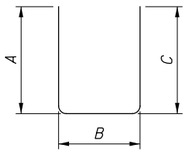
80
114

REINFORCING STEEL LIST												
MARK	NUMBER	LENGTH	WEIGHT	TYPE	DIMENSIONS							
					A	B	C	D	E	R	INC.
ABUTMENTS												
A501	1	25'-11"	27	19	1'-11"	23'-8 7/8"	3'-6 1/4"				
A502	1	5'-8"	6	ST							
A503	1	15'-9"	16	ST							
A504	1	25'-8"	27	ST							
A505	1	26'-11"	28	19	2'-11"	23'-8 7/8"	3'-6 1/4"				
A506	1	6'-8"	7	ST							
A507	1	16'-9"	17	ST							
A508	1	26'-8"	28	ST							
A509	56	30'-0"	1752	ST							
A510▽	14	23'-5"	342	ST							
A511▽	14	26'-4"	385	ST							
A512	1	27'-3"	28	19	4'-3"	22'-8 3/4"	3'-6 1/4"				
A513	1	7'-10"	8	ST							
A514	1	17'-7"	18	ST							
A515	1	27'-0"	28	ST							
A516	1	26'-3"	27	19	3'-3"	22'-8 3/4"	3'-6 1/4"				
A517	1	6'-10"	7	ST							
A518	1	16'-7"	17	ST							
A519	1	26'-0"	27	ST							
A520	138	13'-7"	1955	3	4'-0 1/4"	2'-6"					
A521	70	16'-6"	1205	2	7'-6"	1'-9"	7'-6"				
A522	2 SERIES OF 16	15'-6" TO 22'-4"	631	2	7'-0" TO 10'-5"	1'-9"	7'-0" TO 10'-5"				2 3/4"
A523	68	26'-1"	1850	3	10 11 3/4"	1'-9"					
A524	8	23'-0'	192	2	11'-0"	1'-9"	11'-0"				
A525	1	22'-0"	23	19	1'-11"	19'-9 1/8"	3'-6 1/4"				
A526	1	5'-1"	5	ST							
A527	1	13'-6"	14	ST							
A528	1	21'-8"	23	ST							
A529	1	23'-0"	24	19	2'-11"	19'-9 1/8"	3'-6 1/4"				
A530	1	6'-1"	6	ST							
A531	1	14'-6"	15	ST							
A532	1	22'-8"	24	ST							
A533▽	14	21'-10"	319	ST							
A534▽	14	25'-0"	365	ST							
A535	1	27'-3"	28	19	4'-3"	23'-8 7/8"	3'-6 1/4"				
A536	1	8'-0"	8	ST							
A537	1	18'-2"	19	ST							
A538	1	28'-0"	29	ST							
A539	1	26'-3"	27	19	3'-3"	23'-8 7/8"	3'-6 1/4"				
A540	1	7'-0"	7	ST							
A541	1	17'-2"	18	ST							
A542	1	27'-0"	28	ST							
A543	1 SERIES OF 13	16'-6" TO 22'-10"	267	2	7'-6" TO 10'-8"	1'-9"	7'-6" TO 10'-8"				3 1/8"
A544	1 SERIES OF 17	16'-6" TO 23'-4"	353	2	7'-6" TO 10'-11"	1'-9"	7'-6" TO 10'-11"				2 5/8"
A545	2	24'-8"	51	ST							
A546	2	23'-3"	48	ST							
A547	2	23'-1"	48	ST							
A548	2	21'-11"	46	ST							
A801	4	24'-8"	263	ST							
A802▽	32	30'-0"	2563	ST							
A803	4	23'-3"	248	ST							
A804	4	23'-1"	247	ST							
A805	4	21'-11"	234	ST							
ABUTMENT TOTAL			13983								

REINFORCING STEEL LIST											
MARK	NUMBER	LENGTH	WEIGHT	TYPE	DIMENSIONS						
					A	B	C	D	E	R	INC.
SUPERSTRUCTURE											
S401	44	24'-3"	713	ST							
S402	58	3'-10"	149	10	1'-9"	1'-0"	1'-1"	1'-0"			
S501	204	5'-1"	1082	1	3'-9"	1'-5 1/2"					
S502	102	6'-0"	638	3	11 1/4"	1'-9"					
S503▽	108	21'-9"	2450	ST							
S801▽	20	25'-3"	1348	ST							
S802▽	20	25'-0"	1335	ST							
S901	54	26'-4"	4835	17	23'-10"						
S1001	16	26'-8"	1836	17	23'-10"						
D801	60	5'-3"	841	18	3'-3 1/2"	1'-0"	1'-0"				
SUPERSTRUCTURE TOTAL			15226								
GRAND TOTAL			29209								



TYPE-1



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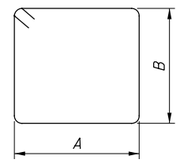

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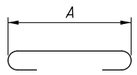

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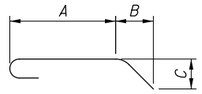
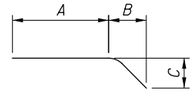


TYPE-18



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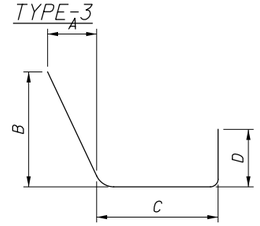

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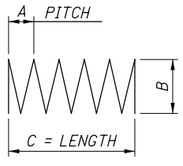


TYPE-27

1. ALL REINFORCING STEEL IS TO BE EPOXY COATED.

2. THE BAR NUMBER IS SPECIFIED ON THE PLANS IN THE BAR MARK COLUMN. THE FIRST DIGIT WHERE THREE DIGITS ARE USED, AND THE FIRST TWO DIGITS WHEN FOUR DIGITS ARE USED, INDICATES THE BAR SIZE NUMBER. FOR EXAMPLE, P601 IS A NO. 6 BAR. BAR DIMENSIONS ARE SHOWN OUT TO OUT UNLESS OTHERWISE NOTED. "R" INDICATES INSIDE RADIUS, UNLESS OTHERWISE NOTED. "STD." WRITTEN IN PLACE OF A DIMENSION INDICATES A STANDARD BEND AT THE END OF THE BAR.

3. ▽ DENOTES BAR INSERTED INTO MECHANICAL SPLICE.

4. DRILLED SHAFT REINFORCING STEEL INCLUDED IN ITEM 524, DRILLED SHAFTS, 36" DIAMETER, INTO BEDROCK.

REINFORCING STEEL LIST (FOR INFORMATION ONLY)											
MARK	NUMBER	LENGTH	WEIGHT	TYPE	DIMENSIONS						
					A	B	C	D	E	R	INC.
DRILLED SHAFT											
SP401	18	167'-4"	2012	27	4 1/2"	2'-6"	7'-0"				
DS801	288	6'-9"	5190	ST							
DS1101	288	7'-0"	10711	ST							
DRILLED SHAFT TOTAL			17913								

*DRILLED SHAFT REINFORCING STEEL NOT INCLUDED IN ITEM 509, EPOXY COATED REINFORCING STEEL FOR PAYMENT (SEE NOTE 4)

REV. BY	DATE	DESCRIPTION
BSM	7-24-23	REVISED BAR MARKS

DATE COMPLETED 07-24-2023

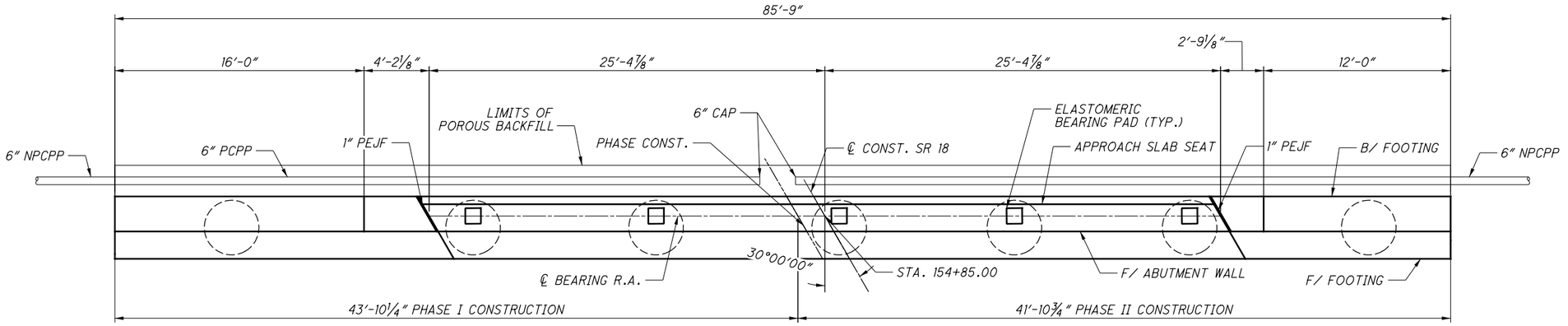
DESIGN AGENCY
FISHBECK
28366 KENSINGTON LANE, SUITE 3
PERRYSBURG, OHIO 43551
PHONE:(419) 841-4704 FAX:(419) 841-2979

DESIGNED	DRAWN	REVIEWED	DATE
BSM	BSM	EEC	1-20-23
CHECKED	REVISED	STRUCTURE FILE NUMBER	
JBD		5200513	

REINFORCING STEEL LIST

BRIDGE NO. MED-18-0193
SR 18 OVER CENTER CREEK

MED-18-(1.71)(1.92)
(2.41)
PID No. 88876



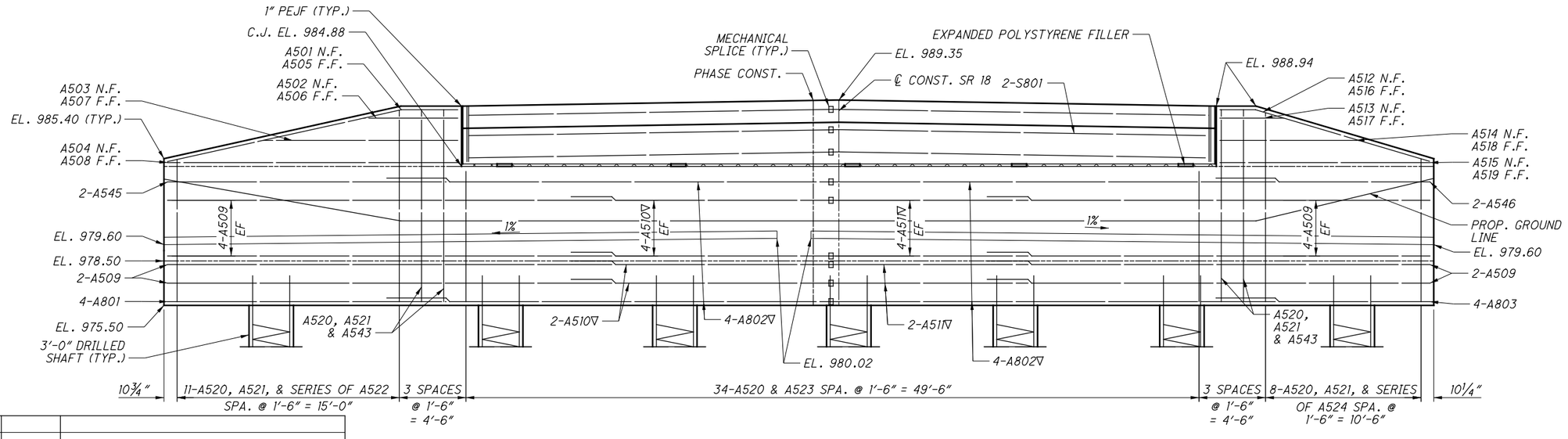
REAR ABUTMENT PLAN

LEGEND

▽ - DENOTES BAR INSERTED INTO MECHANICAL SPLICE

NOTES

1. MINIMUM BAR LAPS
   LAP NO. 5 BARS 2'-9"
2. SEE SHEET 8/12 FOR ABUTMENT SECTIONS.



REAR ABUTMENT ELEVATION

REV.	BY	DATE	DESCRIPTION
	BSM	7-24-23	REVISED BAR MARKS

DATE COMPLETED 07-24-2023

DESIGN AGENCY
FISHBECK
28366 KENSINGTON LANE, SUITE 3
PERRYSBURG, OHIO 43551
PHONE:(419) 841-4704 FAX:(419) 841-2979

DESIGNED	DRAWN	REVIEWED	DATE
BSM	BSM	EEC	1-20-23
CHECKED	REVISED	STRUCTURE FILE NUMBER	
JBD		5200548	

REAR ABUTMENT
BRIDGE NO. MED-18-0242
SR 18 OVER CENTER CREEK

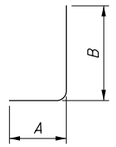
MED-18-(1.71)(1.92)
(2.41)
PID No. 88876

REINFORCING STEEL LIST

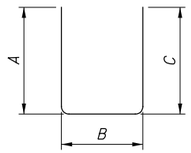
MARK	NUMBER	LENGTH	WEIGHT	TYPE	DIMENSIONS A	B	C	D	E	R	INC.
ABUTMENTS											
A501	1	20'-5"	21	19	4'-3"	15'-9 3/8"	3'-6"				
A502	1	6'-9"	7	ST							
A503	1	13'-6"	14	ST							
A504	1	20'-0"	21	ST							
A505	1	19'-5"	20	19	3'-3"	15'-9 3/8"	3'-6"				
A506	1	5'-9"	6	ST							
A507	1	12'-6"	13	ST							
A508	1	19'-0"	20	ST							
A509	48	30'-0"	1502	ST							
A510▽	12	17'-7"	220	ST							
A511▽	12	13'-4"	167	ST							
A512	1	14'-3"	15	19	1'-11"	11'-9 3/8'	3'-6"				
A513	1	3'-10"	4	ST							
A514	1	8'-11"	9	ST							
A515	1	13'-8"	14	ST							
A516	1	15'-3"	16	19	2'-11"	11'-9 3/8'	3'-6"				
A517	1	4'-10"	5	ST							
A518	1	9'-11"	10	ST							
A519	1	14'-8"	15	ST							
A520	117	13'-7"	1658	3	4'-0 1/4"	2'-6"					
A521	49	16'-6"	843	2	7'-6"	1'-9"	7'-6"				
A522	2 SERIES OF 11	9'-6" TO 16'-2"	294	2	4'-0" TO 7'-4"	1'-9"	4'-0" TO 7'-4"				4"
A523	68	22'-1"	1566	3	8'-11 3/4"	1'-9"					
A524	1 SERIES OF 8	9'-6" TO 15'-6"	104	2	4'-0" TO 7'-0"	1'-9"	4'-0" TO 7'-0"				5 1/8"
A525	1	19'-5"	20	19	4'-3"	14'-9 1/4"	3'-5 1/2"				
A526	1	6'-8"	7	ST							
A527	1	13'-0"	14	ST							
A528	1	19'-0"	20	ST							
A529	1	18'-5"	19	19	3'-3"	14'-9 1/4"	3'-5 1/2"				
A530	1	5'-8"	6	ST							
A531	1	12'-0"	13	ST							
A532	1	18'-0"	19	ST							
A533▽	24	17'-10"	446	ST							
A534	4	18'-5"	77	ST							
A535	1	19'-1"	20	19	2'-0"	16'-8 3/4"	3'-5 1/2"				
A536	1	4'-8"	5	ST							
A537	1	11'-11"	12	ST							
A538	1	19'-9"	21	ST							
A539	1	20'-1"	21	19	3'-0"	16'-8 3/4"	3'-5 1/2"				
A540	1	5'-8"	6	ST							
A541	1	12'-11"	13	ST							
A542	1	18'-9"	20	ST							
A543	8	16'-2"	135	2	7'-4"	1'-9"	7'-4"				
A544	1 SERIES OF 11	9'-6" TO 15'-8"	144	2	4'-0" TO 7'-1"	1'-9"	4'-0" TO 7'-1"				5 1/8"
A545	2	19'-0"	40	ST							
A546	2	14'-6"	30	ST							
A801	4	19'-0"	203	ST							
A802▽	32	30'-0"	2563	ST							
A803	4	14'-6"	155	ST							
A804	4	18'-11"	202	ST							
A805	4	18'-5"	197	ST							
ABUTMENT TOTAL			10993								

REINFORCING STEEL LIST

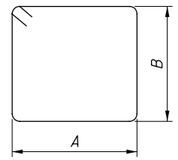
MARK	NUMBER	LENGTH	WEIGHT	TYPE	DIMENSIONS A	B	C	D	E	R	INC.
SUPERSTRUCTURE											
S401	45	25'-3"	759	ST							
S402	56	4'-7"	171	2	2'-9"	1'-1"	1'-0"				
S501	204	5'-1"	1082	1	3'-9"	1'-5 1/2"					
S502	102	6'-0"	638	3	11 1/4"	1'-9"					
S503▽	56	23'-3"	1358	19	1'-5 7/8"	5/8"					
S504▽	56	20'-6"	1197	ST							
S801▽	20	23'-8"	1264	ST							
S802▽	20	26'-9"	1428	ST							
S901	56	27'-4"	5204	17	24'-10"						
S1001	16	27'-8"	1905	17	24'-10"						
D801	60	5'-3"	841	18	3'-3 1/2"	1'-0"	1'-0"				
SUPERSTRUCTURE TOTAL			15848								
GRAND TOTAL			26841								



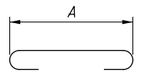
TYPE-1



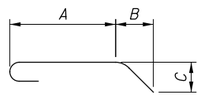
TYPE-2



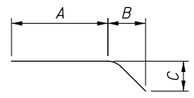
TYPE-3



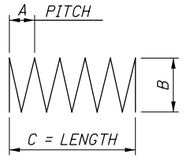
TYPE-17



TYPE-18



TYPE-19



TYPE-27

1. ALL REINFORCING STEEL IS TO BE EPOXY COATED.

2. THE BAR NUMBER IS SPECIFIED ON THE PLANS IN THE BAR MARK COLUMN. THE FIRST DIGIT WHERE THREE DIGITS ARE USED, AND THE FIRST TWO DIGITS WHEN FOUR DIGITS ARE USED, INDICATES THE BAR SIZE NUMBER. FOR EXAMPLE, P601 IS A NO. 6 BAR. BAR DIMENSIONS ARE SHOWN OUT TO OUT UNLESS OTHERWISE NOTED. "R" INDICATES INSIDE RADIUS, UNLESS OTHERWISE NOTED. "STD." WRITTEN IN PLACE OF A DIMENSION INDICATES A STANDARD BEND AT THE END OF THE BAR.

3. ▽ DENOTES BAR INSERTED INTO MECHANICAL SPLICE.

4. DRILLED SHAFT REINFORCING STEEL INCLUDED IN ITEM 524, DRILLED SHAFTS, 36" DIAMETER, INTO BEDROCK.

REINFORCING STEEL LIST (FOR INFORMATION ONLY)

MARK	NUMBER	LENGTH	WEIGHT	TYPE	DIMENSIONS A	B	C	D	E	R	INC.
DRILLED SHAFT											
SP401	14	167'-4"	1565	27	4 1/2"	2'-6"	7'-0"				
DS801	224	6'-9"	4037	ST							
DS1001	224	7'-0"	9398	ST							
DRILLED SHAFT TOTAL			15000								

*DRILLED SHAFT REINFORCING STEEL NOT INCLUDED IN ITEM 509, EPOXY COATED REINFORCING STEEL FOR PAYMENT (SEE NOTE 4)

REV. BY	DATE	DESCRIPTION
BSM	7-24-23	REVISED BAR MARKS

DATE COMPLETED 07-24-2023

DESIGN AGENCY
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28366 KENSINGTON LANE, SUITE 3
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PHONE:(419) 841-4704 FAX:(419) 841-2979

DESIGNED BSM | DRAWN BSM | CHECKED JBD | REVIEWED EEC | DATE 1-20-23 | REVISED | STRUCTURE FILE NUMBER 5200548

REINFORCING STEEL LIST
BRIDGE NO. MED-18-0242
SR 18 OVER CENTER CREEK

MED-18-(1.71)(1.92)
(2.41)
PID No. 88876