

GENERAL (CONTINUED)

CITY OF COLUMBUS PERMITS

WHEN EXCAVATING WITHIN COLUMBUS PUBLIC RIGHT OF WAY LIMITS, THE CONTRACTOR SHALL OBTAIN AN EXCAVATION PERMIT FROM CITY OF COLUMBUS, DEPARTMENT OF PUBLIC SERVICE - PERMIT OFFICE BETWEEN THE HOURS OF 7:30 AM AND 4:00 PM MONDAY THROUGH FRIDAY. PHONE (614) 645-7497, FAX: (614) 645-1876, EMAIL: colspemits@columbus.gov

PERMITS AND/OR FEES REQUIRED FOR THE PROJECT SHALL BE INCIDENTAL TO THE COST OF THE ASSOCIATED WORK (I.E. 203-EXCAVATION, 611-SEWER/DRAINAGE, 638-WATER WORK, 630-PARKING METERS, 690-ELECTRIC/POWER, 625-LIGHTING, ETC.)

BENCHMARKS AND SURVEY MONUMENTS (CITY OF COLUMBUS)

DO NOT DISTURB ANY FRANKLIN COUNTY CERTIFIED BENCHMARKS (VERTICAL AND/OR HORIZONTAL) LOCATED WITHIN THE WORKING LIMITS OF THE PROJECT. CONTRACTOR SHALL CONTACT THE FRANKLIN COUNTY SURVEY DEPARTMENT (614) 525-3026, PRIOR TO CONSTRUCTION, TO COORDINATE THE PROPER PROCEDURES FOR THE RESETTling, RELOCATION, OR REPLACEMENT OF ANY FRANKLIN COUNTY CERTIFIED BENCHMARK OR SURVEY MONUMENT.

COTA - SIGNS AND/OR BUS STOPS

PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL CONTACT SENIOR SERVICE PLANNER OF THE CENTRAL OHIO TRANSIT AUTHORITY (COTA) @ PH - (614) 308-4373 OR FAX - (614) 275-5933 TO COORDINATE PROPER BUS MOVEMENTS THROUGH OR AROUND THE JOB SITE DURING THE PROJECT. THIS WILL INCLUDE, BUT NOT BE LIMITED TO, THE TEMPORARY RELOCATION OR REMOVAL OF COTA SIGNS AND/OR BUS STOP LOCATIONS.

COTA
33 NORTH HIGH STREET
8TH FLOOR OF WILLIAM J. LHOTA BLDG
COLUMBUS, OH 43215
OFFICE: (614) 308-4373
COTADesignReview@cota.com
EvansPMI@cota.com

STORAGE OF EQUIPMENT AND MATERIALS (CITY OF COLUMBUS)

MATERIALS, INCLUDING PIPE, SHALL NOT AT ANY TIME (WORKING OR NON-WORKING HOURS) BE STORED WITHIN THE RIGHT-OF-WAY OR WITHIN ONE HUNDRED (100) FEET OF ANY INTERSECTING STREET OR DRIVEWAY WITHOUT PRIOR WRITTEN APPROVAL FROM THE CITY OF COLUMBUS. COMPLIANCE WITH THIS REQUIREMENT ALONG WITH ADDITIONAL PROVISIONS OF THE CONTRACT SPECIFICATIONS SHALL NOT IN ANY WAY RELIEVE THE CONTRACTOR OF HIS LEGAL RESPONSIBILITIES OR LIABILITIES FOR THE SAFETY OF THE PUBLIC. THE CONTRACTOR SHALL INFORM THE C.O.C. OF HIS PLAN FOR THE ON SITE STORAGE OF EQUIPMENT AND MATERIALS AT THE PRE-CONSTRUCTION MEETING.

NON-RUBBER TIRED VEHICLES (CITY OF COLUMBUS)

NON-RUBBER TIRED VEHICLES SHALL NOT BE MOVED ON PUBLIC STREETS. THE CITY ENGINEER MAY GRANT EXCEPTIONS WHEN SHORT DISTANCES AND SPECIAL CIRCUMSTANCES ARE INVOLVED. GRANTING OF EXCEPTIONS MUST BE IN WRITING, IN ADVANCE OF ACTION, AND ANY DAMAGE MUST BE REPAIRED TO THE SATISFACTION OF THE CITY OF COLUMBUS ACCEPTABLE REPRESENTATIVE.

NON-RUBBER TIRED VEHICLES (ODOT)

NON-RUBBER TIRED VEHICLES SHALL NOT BE MOVED ON ANY RECENTLY BUILT SECTIONS OF ODOT PAVEMENT. THE ODOT ENGINEER MAY GRANT EXCEPTIONS WHEN SHORT DISTANCES AND SPECIAL CIRCUMSTANCES ARE INVOLVED. GRANTING OF EXCEPTIONS MUST BE IN WRITING, IN ADVANCE OF ACTION, AND ANY DAMAGE MUST BE REPAIRED TO THE SATISFACTION OF THE ODOT ACCEPTABLE REPRESENTATIVE.

PRIVATE UTILITY COORDINATION

THE CASTING TOPS OF MANHOLES, VALVE BOXES, AND OTHER STRUCTURES REQUIRING ADJUSTMENT THAT ARE OWNED BY PRIVATE UTILITIES NEED TO BE ADJUSTED TO GRADE BY THEIR RESPECTIVE OWNERS. THE ODOT CONTRACTOR SHALL NOTIFY THE PRIVATE OWNER A MINIMUM OF 14 CALENDAR DAYS IN ADVANCE OF WORK OPERATIONS SO THE WORK MAY BE PROPERLY SCHEDULED. THE ODOT CONTRACTOR IS REQUIRED TO CONTACT THE UTILITY VIA PHONE AND EMAIL AND INCLUDE THE ODOT CONSTRUCTION ENGINEER ON THIS CORRESPONDENCE.

IF ADJUSTMENTS HAVE NOT BEEN COMPLETED 14 CALENDAR DAYS AFTER SCHEDULED, THE ODOT CONTRACTOR WILL NOTIFY THE ODOT PROJECT ENGINEER AND PROVIDE SPECIFIC STATION LOCATIONS AND OWNER INFORMATION. THE ODOT PROJECT ENGINEER WILL WORK WITH THE DISTRICT UTILITY COORDINATOR TO ISSUE AN OBSTRUCTION REMOVAL NOTICE WITHIN 5 DAYS OF RECEIPT WHICH WILL INFORM THE PRIVATE UTILITY TO ADJUST THE STRUCTURES AS NECESSARY OR ODOT WILL AUTHORIZE THE ODOT CONTRACTOR TO ADJUST AS NEEDED AND BILL THE OWNER OF THE FACILITY FOR THE ADJUSTMENT TO THE STRUCTURE.

SHOULD THE CONTRACTOR FAIL TO NOTIFY PRIVATE UTILITIES OF EXISTING MANHOLES, VALVE BOXES, AND OTHER STRUCTURES THAT REQUIRE ADJUSTMENTS TO GRADE, AND COVER THESE WITH THE PROPOSED ASPHALT TREATMENT, THE CONTRACTOR WILL BE REQUIRED TO UNCOVER THE MANHOLES, VALVE BOXES, AND OTHER STRUCTURES AT THEIR OWN EXPENSE SO THAT THE NECESSARY ADJUSTMENTS CAN BE MADE. THE METHOD OF REMOVAL AND REPAIR OF THE ASPHALT SHALL MEET ALL REQUIREMENTS OF THE ODOT ENGINEER AND SHALL BE AT THE CONTRACTOR'S EXPENSE.

ITEM SPECIAL - SURVEY CONTROL VERIFICATION

THE CONTRACTOR SHALL PERFORM THIS WORK TO VERIFY THE PROVIDED SURVEY CONTROL. THE CONTRACTOR WILL PERFORM THE VERIFICATION USING ONE OF THE TWO METHODS BELOW DEPENDENT UPON THE CONTRACTOR'S CHOSEN MEANS OF SURVEY CONTROL TO BE USED ON THE PROJECT. THE WORK SHALL BE PERFORMED UNDER THE DIRECT SUPERVISION OF AN OHIO LICENSED SURVEYOR.

- 1) IF USING GPS DEVICES TO ESTABLISH AND OR PROVIDE SUPPLEMENTAL HORIZONTAL AND VERTICAL SURVEY CONTROL
 - a. LOCATE VERTICAL CONTROL POINTS PROVIDED IN THE PLANS AND PERFORM A DIFFERENTIAL LEVEL CIRCUIT.
 - b. PERFORM A SITE CALIBRATION UTILIZING THE AVAILABLE HORIZONTAL AND VERTICAL CONTROL POINTS PROVIDED IN THE PLAN.
 - c. PROVIDE A REPORT, SIGNED BY AN OHIO LICENSED SURVEYOR, TO THE PROJECT ENGINEER COMPARING THE OBSERVED DATA TO THE PLAN DATA ALONG WITH A NARRATIVE DETAILING ANY DISCREPANCIES FOUND.
- 2) IF USING CONVENTIONAL SURVEY INSTRUMENTATION TO ESTABLISH AND OR PROVIDE SUPPLEMENTAL HORIZONTAL AND VERTICAL SURVEY CONTROL
 - a. LOCATE VERTICAL CONTROL POINTS PROVIDED IN THE PLANS AND PERFORM A DIFFERENTIAL LEVEL CIRCUIT.
 - b. LOCATE AND OBSERVE ANGLE AND DISTANCE TO ALL AVAILABLE HORIZONTAL CONTROL POINTS PROVIDED IN THE PLAN.
 - c. PROVIDE A REPORT, SIGNED BY AN OHIO LICENSED SURVEYOR, TO THE PROJECT ENGINEER COMPARING THE OBSERVED DATA TO THE PLAN DATA ALONG WITH A NARRATIVE DETAILING ANY DISCREPANCIES FOUND.

ALL MATERIALS, LABOR, EQUIPMENT, TOOLS, AND INCIDENTALS NECESSARY TO COMPLETE THIS WORK SHALL BE INCLUDED IN THE LUMP SUM BID ITEM.

CONTRACTOR STORAGE/OFFICE AREA

ODOT OWNS PROPERTY AT 669 SULLIVANT AVENUE. THIS AREA IS AVAILABLE TO BE USED FOR THE CONTRACTOR'S OFFICE/STORAGE. HALF OF THE LOT, NORTH OR SOUTH, MAY BE USED FOR STORAGE AND/OR OFFICE WITH THE OTHER HALF OF THE LOT USED FOR OFFICES/STORAGE FOR PID 105523. THE CONTRACTOR WILL MAINTAIN HIS HALF UNTIL CONSTRUCTION COMPLETION.

ITEM SPECIAL - EMERGENCY ACTION PLAN COORDINATION ITEM SPECIAL - WCLPP R/W CONSTRUCTION CAMERA

THIS ITEM INCLUDES ALL COSTS AND EXPENSES INCURRED BY THE CONTRACTOR TO COORDINATE WITH THE ARMY CORPS OF ENGINEERS, CITY OF COLUMBUS AND ODOT AS IT RELATES TO UPDATING THE EMERGENCY ACTION PLAN DURING CONSTRUCTION FOR THE CONTRACTOR'S ACTUAL MEANS AND METHODS FOR CONSTRUCTING THE NEW FLOODWALL AND MAINTAINING THE INTEGRITY OF THE FLOOD PROTECTION SYSTEM INCLUDING I-WALLS AND ADJACENT LEVEES. THIS ITEM IS ALSO TO INCLUDE ALL CONTRACTOR COSTS FOR ATTENDING WEEKLY PROGRESS MEETINGS AND PREPARING STATUS REPORTS RELATED TO THE WORK. CONTRACTOR SHALL SUBMIT A WORK PLAN TO ODOT, CITY OF COLUMBUS AND THE ARMY CORPS OF ENGINEERS OUTLINING THE PROPOSED SEQUENCE OF CONSTRUCTION WITHIN THE EXISTING FLOODWALL RIGHT-OF-WAY.

CONTRACTOR SHALL NOTIFY ODOT, THE CITY OF COLUMBUS INSPECTOR AND THE USACE A MINIMUM OF TWO DAYS PRIOR TO INITIATING CONSTRUCTION IN EACH OF THE IDENTIFIED IMPACT AREAS (PER THE REVIEW PLAN DATED 14 NOVEMBER 2019 WITHIN THE 408 PERMIT DOCUMENTATION).

PAYMENT FOR THIS WORK SHALL BE MADE AT THE LUMP SUM PRICE BID WHICH SHALL CONSTITUTE FULL PAYMENT FOR ALL LABOR, EQUIPMENT, MATERIALS AND INCIDENTALS TO COMPLETE THE WORK.

PN420 - SURFACE SMOOTHNESS REQUIREMENTS FOR PAVEMENTS

UNDIVIDED HIGHWAY SECTIONS TOTALLY WITHIN CORPORATION LIMITS ARE EXCLUDED FROM PN 420.

ITEM 619 - FIELD OFFICE, TYPE C, AS PER PLAN

IN ADDITION TO THE REQUIREMENTS OF THE C&MS, PROVIDE AN ADDITIONAL UNOBSTRUCTED 25 FOOT X 25 FOOT (MINIMUM) AREA OF FLOOR SPACE TO BE USED AS A CONFERENCE ROOM, INCLUDING SIX 30" X 72" WORK TABLES AND 36 PADDED, FOLDABLE OR STACKABLE CHAIRS. INCREASE THE NUMBER OF ALL-WEATHER PARKING SPACES TO 25 SPACES TOTAL. THE PARKING AREA SHALL BE HARD-SURFACED (PAVED), WELL LIT, SECURED, AND MAINTAINED, WITH SLOPES NOT EXCEEDING 1 PERCENT IN ANY DIRECTION. A SEPARATE, FENCED, LOCKABLE AREA SHALL BE PROVIDED FOR 10 VEHICLES WITHIN THE PROVIDED PARKING AREA.



THIS ITEM INCLUDES ALL COSTS AND EXPENSES INCURRED BY THE CONTRACTOR TO INSTALL CAMERAS THAT COVER ALL CONSTRUCTION OCCURRING WITHIN 50 FEET OF THE WCLPP RIGHT OF WAY (EX FL LINES LABELED IN THE PLANS AS "APPROX. FLOODWALL R/W"). THE CAMERAS SHALL BE LIVE FEEDS AND VIEWABLE REMOTELY BY THE USACE, THE CITY OF COLUMBUS AND ODOT VIA THE INTERNET.

PAYMENT FOR THIS WORK SHALL BE MADE AT THE LUMP SUM PRICE BID WHICH SHALL CONSTITUTE FULL PAYMENT FOR ALL LABOR, EQUIPMENT, MATERIALS AND INCIDENTALS TO COMPLETE THE WORK.

ITEM SPECIAL - USACE SURVEY AND AS-BUILTS

CONTRACTOR SHALL RECOVER THE USACE PRIMARY EXISTING CONTROL STATIONS NEAR THE PROJECT LIMITS AND REPORT THE CONDITION OF ALL MONUMENTS WITH CLOSE-UP AND HORIZONTAL PICTURES. CONTRACTOR SHALL LOCATE THESE STATIONS WITH REAL-TIME KINEMATIC POSITIONING FOR FIVE MINUTE OBSERVATIONS. CONTRACTOR SHALL UPDATE THE NEAREST CONTROL POINTS (215/16, 215/17, 215/18, 215/19, 215/20, 86/12-2, 86/13, 86/14, 86/14-1, OR THE NEXT NEAREST IF ONE MORE MORE OF THESE POINTS IS FOUND TO BE DESTROYED, FOR A MINIMUM OF THREE HORIZONTAL AND TWO VERTICAL CONTROL POINTS) TO NAD83/NAVD88 GEOID 18 OR THE CURRENT SURVEY DATUM AND SUBMIT TO ONLINE POSITIONING USER SERVICE SHAREPOINT (OPUS SHARE) AND PROVIDE THE UPDATED COORDINATES TO THE USACE. THE USACE CONTROL MUST BE UTILIZED FOR ALL AS-BUILT CONSTRUCTION DRAWINGS SUBMITTED TO THE CITY OF COLUMBUS AND THE USACE. EXISTING CONTROL SHOWN ON USACE PLAN INSERT SHEETS 35 - 36 .

CONTRACTOR SHALL PROVIDE TEMPORARY, HIGHLY-VISIBLE VISUAL MARKING OF THE WCLPP CENTERLINE OF PROTECTION AND OTHER FEATURES (E.G. GATEWELLS, CONDUIT OUTFALLS, ETC.) IN CONSTRUCTION AREAS AND IN AREAS IMMEDIATELY ADJACENT TO CONSTRUCTION AREAS WITHIN 50 FEET OF THE WCLPP RIGHT OF WAY. THIS SHALL SERVE TO INCREASE AWARENESS OF THE WCLPP TO THE CONSTRUCTION/FIELD PERSONNEL. THE PROPOSED MARKING METHOD SHALL BE SUBMITTED TO ODOT, THE CITY OF COLUMBUS AND THE USACE FOR CONCURRENCE.

CONTRACTOR SHALL SURVEY THE IMPACTED LEVEE/FLOODWALL FEATURES TO ENSURE THE REQUIRED TOP OF PROTECTION ELEVATION HAS BEEN SATISFACTORILY MET. SURVEYS OF LEVEE EMBANKMENT SECTIONS SHALL ALSO INCLUDE CROSS-SECTIONS AT 50 FOOT INTERVALS. THE SURVEY SHALL OCCUR PRIOR TO SUBMITTAL OF "AS-BUILT" CONSTRUCTION DRAWINGS TO ODOT, THE CITY OF COLUMBUS AND THE USACE. DATA FROM THE SURVEY SHALL BE INCLUDED THEREIN.

CONTRACTOR SHALL PROVIDE THE USACE, THE CITY OF COLUMBUS AND ODOT WITH PLANS AND SPECIFICATIONS WITH AMENDMENTS DURING CONSTRUCTION SHOWING ALTERATIONS AS FINALLY CONSTRUCTED (I.E. AS-BUILTS) WITHIN 180 DAYS OF CONSTRUCTION COMPLETION. THESE RECORD DRAWINGS WILL BE SUBJECT TO REVIEW AND APPROVAL BY THE CITY OF COLUMBUS AND THE USACE TO DETERMINE WHETHER A SUFFICIENT AMOUNT OF INFORMATION HAS BEEN PROVIDED FOR THE CITY OF COLUMBUS' CONTINUED OPERATION AND MAINTENANCE OF THE WCLPP.

PAYMENT FOR THIS WORK SHALL BE MADE AT THE LUMP SUM PRICE BID WHICH SHALL CONSTITUTE FULL PAYMENT FOR ALL LABOR, EQUIPMENT, MATERIALS AND INCIDENTALS TO COMPLETE THE WORK.

EQUIPMENT AND MATERIAL STORAGE WITHIN WCLPP

CONTRACTOR SHALL NOT STORE ANY MATERIALS OR EQUIPMENT WITHIN THE WCLPP RIGHT OF WAY WITHOUT PRIOR WRITTEN CONSENT FROM THE CITY OF COLUMBUS.

NO.	DESCRIPTION	REV. BY	DATE
11	ADDED NOTE	CWL	12-7-23

QUANTITIES CARRIED TO GENERAL NOTES SUBSUMMARY ON SHEET 51

ITEM 614 - MAINTAINING TRAFFIC

1. CONSTRUCTION OPERATIONS SHALL NOT BEGIN UNTIL ALL TRAFFIC CONTROL IS IN PLACE AND APPROVED BY ODOT PERSONNEL. THE PROJECT ENGINEER SHALL APPROVE ALL TEMPORARY TRAFFIC CONTROL DEVICES FOR CONDITION AND LOCATION BEFORE THE CONTRACTOR WILL BE ALLOWED TO BEGIN WORK. IF THE CONTRACTOR DOES NOT COMPLY WITH THE STANDARDS, HIS PERMIT SHALL BE REVOKED AND ALL WORK SHALL BE TERMINATED.

2. ALL SIGNS, BARRICADES, SIGN SUPPORTS, DRUMS, FLAGGERS, WORK ZONE TRAFFIC SIGNALS AND INCIDENTALS FOR TRAFFIC CONTROL SHALL BE FURNISHED, ERECTED, MAINTAINED AND REMOVED BY THE CONTRACTOR IN CONFORMANCE WITH THE MOST RECENT REVISIONS, CURRENT EDITION OF THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS (OMUTCD). ALL SIGNS USED FOR THE MAINTENANCE OF TRAFFIC SHALL BE NEW OR LIKE NEW CONDITION SUBJECT TO THE APPROVAL OF THE ENGINEER. DEVICES USED TO MAINTAIN TRAFFIC SHALL BE REMOVED IMMEDIATELY AFTER THE TERMINATION OF SAID WORK. PAYMENT SHALL BE INCLUDED IN THE LUMP SUM BID FOR ITEM 614 MAINTAINING TRAFFIC.

3. FOR WORK WHICH IS CONFINED TO THE SHOULDER, TRAFFIC CONTROL SHALL CONFORM TO FIGURES TA-1, TA-3, TA-4, AND TA-6 OF THE OMUTCD AND SCD MT-95.45. IF THE CONTRACTOR FAILS TO COMPLY WITH THE PROVISIONS FOR TRAFFIC CONTROL AS SET FORTH IN THESE PLANS AND PROVISIONS OF THE OMUTCD AND FAILURE RESULTS IN A CONDITION AT THE WORK SITE WHICH IS UNSAFE FOR TRAFFIC, THE ENGINEER HAS THE AUTHORITY TO SUSPEND WORK UNTIL THE CONTRACTOR COMPLIES WITH THE NECESSARY REQUIREMENTS.

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 SEPERATELY ITEMIZED IN THE PLAN.

NOTIFICATION OF CONSTRUCTION INITIATION

AT LEAST FOURTEEN DAYS PRIOR TO STARTING INITIAL CONSTRUCTION ACTIVITIES, THE CONTRACTOR SHALL ADVISE THE DISTRICT OFFICE OF COMMUNICATIONS VIA EMAIL AT D06.PIO@DOT.OHIO.GOV, THE DISTRICT WORK ZONE TRAFFIC MANAGER VIA EMAIL AT D06.MOT@DOT.OHIO.GOV AND THE CENTRAL OFFICE SPECIAL HAUL PERMITS SECTION VIA EMAIL AT HAULING.PERMITS@DOT.OHIO.GOV OF THE ANTICIPATED START DATE OF ANY CONSTRUCTION ACTIVITIES INCLUDING BUT NOT LIMITED TO THE PLACING OF WORK ZONE SIGNS. THE NOTIFICATION SHALL ALSO INCLUDE THE PROJECT NUMBER, PID, NAME AND PHONE NUMBER OF THE CONTRACTOR, A POINT OF CONTACT AND THE ANTICIPATED IMPACT ON TRAFFIC. THE CONTRACTOR WILL IMMEDIATELY INFORM THE DISTRICT OFFICE OF COMMUNICATIONS AND THE DISTRICT WORK ZONE TRAFFIC MANAGER OF ANY AND ALL DELAYS AND/OR CHANGES REGARDING THE CONSTRUCTION INITIATION DATE.

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.

NOTIFICATION TIME TABLE		
ITEM	DURATION OF CLOSURE	NOTIFICATION DUE TO PERMITS AND PIO
RAMP AND ROAD CLOSURES	>= 2 WEEKS	21 CALENDAR DAYS PRIOR TO CLOSURE
	> 12 HOURS AND < 2 WEEKS	14 CALENDAR DAYS PRIOR TO CLOSURE
	<= 12 HOURS	4 BUSINESS DAYS PRIOR TO CLOSURE
LANE CLOSURES/ RESTRICTIONS	>= 2 WEEKS	14 CALENDAR DAYS PRIOR TO CLOSURE
	< 2 WEEKS	5 BUSINESS DAYS PRIOR TO CLOSURE
START OF CONSTRUCTION & TRAFFIC PATTERN CHANGES	N/A	14 CALENDAR DAYS PRIOR TO IMPLEMENTATION

ANY UNFORSEEN CONDITIONS NOT SPECIFIED IN THE PLANS REQUIRING TRAFFIC RESTRICTIONS SHALL ALSO BE REPORTED TO THE PROJECT ENGINEER USING THE NOTIFICATION TIME TABLE.

PERMITTED LANE CLOSURES ON FREEWAYS, RAMPS AND CITY STREETS

THE EXISTING NUMBER OF LANES IN EACH DIRECTION ON ALL FREEWAYS SHALL BE MAINTAINED IN ACCORDANCE WITH THE LANE VALUE CONTRACT TABLE FOR EACH LOCATION UNLESS OTHERWISE SHOWN IN THE PLANS. THE EXISTING NUMBER OF LANES IN EACH DIRECTION ON ALL RAMPS AND CITY STREETS SHALL BE MAINTAINED FOR EACH LOCATION UNLESS OTHERWISE SHOWN IN THE PLANS.

IT MAY BE NECESSARY TO EXTEND THE ADVANCE WARNING, TAPER AND BUFFER ZONES BEYOND THE MINIMUM DISTANCES SHOWN ON THE STANDARD DRAWINGS DUE TO HORIZONTAL ALIGNMENT, VERTICAL ALIGNMENT, RAMP LOCATIONS, OR OTHER SIGHT OBSTRUCTIONS. TAPERS SHOULD BE PLACED IN TANGENT SECTIONS WHENEVER POSSIBLE.

LENGTH AND DURATION OF LANE CLOSURES AND RESTRICTIONS SHALL BE AT THE APPROVAL OF THE ENGINEER. IT IS THE INTENT TO MINIMIZE THE IMPACT TO THE TRAVELING PUBLIC. LANE CLOSURES OR RESTRICTIONS OVER SEGMENTS OF THE PROJECT IN WHICH NO WORK IS ANTICIPATED WITHIN A REASONABLE TIME FRAME, AS DETERMINED BY THE ENGINEER, SHALL NOT BE PERMITTED. THE LEVEL OF UTILIZATION OF MAINTENANCE OF TRAFFIC DEVICES SHALL BE COMMENSURATE WITH THE WORK IN PROGRESS.

ALL WORK ZONE AND TRAFFIC CONTROL DEVICES SHALL BE FURNISHED, ERECTED, MAINTAINED AND REMOVED BY THE CONTRACTOR IN ACCORDANCE WITH CMS 614 AND OTHER APPLICABLE PORTIONS OF THE SPECIFICATIONS, APPLICABLE STANDARD DRAWINGS, AND THE OHIO MANUAL OF TRAFFIC CONTROL DEVICES (CURRENT EDITION).

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.

COORDINATION WITH ADJACENT PROJECTS

THE CONTRACTOR SHALL COORDINATE WORK WITH ODOT AND THE CONTRACTORS ON THE ADJACENT PROJECTS.

FRA-70/71-12.68/14.86 PROJECT 4R PART 1 (PID 105523)
FRA-71-14.36 PROJECT 6R PART 2 (PID 105523)

COORDINATION SHALL BE MADE TO PREVENT CONFLICTING ADVANCE WARNING SIGNS, CONFLICTING DETOUR ROUTES, OVERLAPING/CONFLICTING LANE CLOSURES, AND TO ENSURE THAT A MINIMUM DISTANCE OF 2 MILES BETWEEN ADJACENT LANE CLOSURES IS MAINTAINED. THIS IS NOT AN EXHAUSTIVE LIST OF COORDINATION ITEMS THAT MAY NEED TO BE RESOLVED BETWEEN PROJECTS. THE DEPARTMENT RESERVES THE RIGHT TO DECIDE WHICH PROJECT'S ACTIVITIES TAKE PRECEDENCE. PROJECTS THAT HAVE ACTIVITIES DELAYED DUE TO CONFLICTS WILL CONSIDER THIS AN EXCUSABLE, COMPENSABLE DELAY PER 108.06.D. ON PROJECTS THAT HAVE ACTIVITIES DELAYED DUE TO CONFLICTS WHERE THE CONTRACTOR FAILED TO MEET THE NOTIFICATION REQUIREMENTS, THE DELAYS SHALL NOT BE CONSIDERED EXCUSABLE OR COMPENSABLE, NOR SHALL THE COMPLETION DATE BE EXTENDED.

ATTENDANCE AT DEPARTMENT ORDERED TRAFFIC COORDINATION MEETINGS BETWEEN ADJACENT PROJECTS SHALL BE CONSIDERED MANDATORY FOR EACH PROJECT'S SUPERINTENDENT AND WORKSITE TRAFFIC SUPERVISOR (WTS), AND INCIDENTAL TO THE LUMP SUM MAINTENANCE OF TRAFFIC PAYMENT ITEM

NOTICE OF CLOSURE SIGN

NOTICE OF CLOSURE SIGNS (W20-H13) SHALL BE ERECTED BY THE CONTRACTOR PRIOR TO THE SCHEDULED ROAD OR RAMP CLOSURE IN ACCORDANCE WITH THE NOTICE OF CLOSURE TIME TABLE BELOW. AT THE APPROVAL OF THE ENGINEER, PORTABLE CHANGEABLE MESSAGE SIGNS MAY BE USED IN LIEU OF THE STANDARD FLATSHEET SIGN FOR CLOSURE DURATIONS OF LESS THAN 1 WEEK.

THE SIGNS SHALL BE ERECTED ON THE RIGHT-HAND SIDE OF THE ROAD/RAMP FACING TRAFFIC. THEY SHALL BE PLACED SO AS NOT TO INTERFERE WITH THE VISIBILITY OF ANY OTHER TRAFFIC CONTROL SIGNS. ON ROADWAYS, THEY SHOULD BE ERECTED AT OR NEAR THE POINT OF CLOSURE. THE SIGNS MAY BE ERECTED ANYWHERE ON RAMPS AS LONG AS THEY ARE VISIBLE TO THE MOTORISTS USING THE RAMP. ON ENTRANCE RAMPS, THE SIGN SHALL BE ERECTED WELL IN ADVANCE OF THE MERGE AREA TO AVOID DISTRACTING MOTORISTS

ITEM	NOTICE OF CLOSURE SIGN TIME TABLE	
	DURATION OF CLOSURE	SIGN DISPLAYED TO PUBLIC
RAMP AND ROAD CLOSURES	>= 2 WEEKS	14 CALENDAR DAYS PRIOR TO CLOSURE
	> 12 HOURS AND < 2 WEEKS	7 CALENDAR DAYS PRIOR TO CLOSURE
	<= 12 HOURS	2 BUSINESS DAYS PRIOR TO CLOSURE

THE SIGN SHALL DISPLAY THE DATE OF THE CLOSURE IN MMM-DD FORMAT AND THE NUMBER OF DAYS OF THE CLOSURE. THE LAST LINE OF THE W20-H13 SIGN LISTS A PHONE NUMBER WHICH A MOTORIST MAY CALL FOR ADDITIONAL INFORMATION. THIS IS TO BE A SPECIFIC OFFICE WITHIN THE DISTRICT RATHER THAN THE GENERAL SWITCHBOARD NUMBER.

NO.	DESCRIPTION	REV. BY	DATE
9	UPDATED NOTES, ADDED TABLE	RPD	12-04-2023
11	UPDATED TABLE	RPD	12-07-2023

PRE-MAINTENANCE OF TRAFFIC MEETING

A PRE-MAINTENANCE OF TRAFFIC MEETING SHALL BE HELD (MINIMUM OF 10 WORK DAYS) PRIOR TO WORK BEGINNING OR ANY CHANGE OF PHASING. THIS MEETING SHALL INCLUDE THE DISTRICT WORK ZONE TRAFFIC MANAGER (d06.mot@dot.ohio.gov) AS WELL AS THE CONTRACTOR AND ANY OF HIS SUB-CONTRACTORS INVOLVED WITH TEMPORARY TRAFFIC CONTROL. FOR COLUMBUS SECTIONS OF ROADWAY, ALSO INCLUDE THE TEMPORARY CONTROL COORDINATOR (614-645-6269 OR 614-645-5845) FROM THE CITY OF COLUMBUS TRANSPORTATION DIVISION.

WEEKLY MAINTENANCE OF TRAFFIC MEETING

AFTER THE INITIAL PRE-MAINTENANCE OF TRAFFIC MEETING, THE CONTRACTOR SHALL MEET WITH THE PROJECT ENGINEER ON A WEEKLY BASIS TO GO OVER A DETAILED MAINTENANCE OF TRAFFIC REPORT OF AT LEAST 7 CALENDAR DAYS. THIS MEETING SHOULD BE HELD ON THE SAME DAY AND TIME OF EACH WEEK.

THE CONTRACTOR WILL PROVIDE TO THE PROJECT ENGINEER A WRITTEN DETAIL OF THE INFORMATION REQUIRED BY THE NOTIFICATION OF TRAFFIC RESTRICTIONS NOTE PRIOR TO THE MEETING.

IN ADDITION TO THE DETAILED MAINTENANCE OF TRAFFIC REPORT THE CONTRACTOR SHALL GIVE A GENERAL LOOK AHEAD OF AN ADDITIONAL 2 WEEKS OF UPCOMING WORK ACTIVITIES. THIS WILL INCLUDE ANY NOTIFICATION REQUIREMENTS FOR RESTRICTIONS THAT HAVE A DURATION GREATER THAN 12 HOURS.

ITEM 614 - MAINTAINING TRAFFIC (ESTIMATED QUANTITIES)

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED IN THE GENERAL SUMMARY FOR USE AS DETERMINED BY THE ENGINEER FOR THE MAINTENANCE OF TRAFFIC.

ITEM 410, TRAFFIC COMPACTED SURFACE, TYPE A OR B
200 CU. YD.

MAINTENANCE OF FIRE LANE

THE FIRE LANE JUST SOUTH OF I-70/I-71 BETWEEN SHORT STREET AND SECOND STREET SHALL NOT BE UTILIZED FOR CONSTRUCTION EQUIPMENT, ACTIVITIES, OR CONSTRUCTION TRAFFIC. IT SHALL REMAIN CLEAR FOR FIRE DEPARTMENT USE AT ALL TIMES.

WORK APPROVAL

IF THE CONTRACTOR WANTS TO PERFORM ANY WORK OUTSIDE OF THE CURRENT MOT PHASE THIS WILL REQUIRE THE PROJECT ENGINEER'S APPROVAL.

THE CONTRACTOR SHALL PROVIDE TO THE PROJECT ENGINEER A WRITTEN DETAIL OF THE INTENDED WORK TO BE ADDED TO THE CURRENT MOT PHASE FOR APPROVAL. THE INTENDED WORK SHALL NOT BEGIN UNTIL WRITTEN APPROVAL IS PROVIDED.

BRIDGE DESCRIPTION	STRUCTURE #	WORK TYPE	DAYS	CLOSURE/DETOUR TIME ***	# TIMES ALLOWED	DETOUR DETAILS ON SHEETS		
HIGH ST. BRIDGE WESTERN HALF	FRA-70-1405C	DEMOLITION	WEEKEND *	FRI 10PM - MON 5AM	1 **	71 - 74		
HIGH ST. BRIDGE WESTERN HALF IN CONJUNCTION WITH WEST CAP		BEAM ERECTION	WEEKEND *	FRI 10PM - MON 5AM	2 **			
HIGH ST. BRIDGE WESTERN HALF		DECK POUR	NIGHTTIME CLOSURE	FRI 10PM - MON 5AM	1			
HIGH ST. BRIDGE WEST CAP		DECK POUR	NIGHTTIME CLOSURE	FRI 10PM - MON 5AM	1			
HIGH ST. BRIDGE EASTERN HALF		DEMOLITION	WEEKEND *	FRI 10PM - MON 5AM	1 **			
HIGH ST. BRIDGE EASTERN HALF IN CONJUNCTION WITH WEST CAP		BEAM ERECTION	WEEKEND *	FRI 10PM - MON 5AM	2 **			
HIGH ST. BRIDGE EASTERN HALF		DECK POUR	NIGHTTIME CLOSURE	FRI 10PM - MON 5AM	1			
HIGH ST. BRIDGE EAST CAP		DECK POUR	NIGHTTIME CLOSURE	FRI 10PM - MON 5AM	1			
*		THE CONTRACTOR MAY CHOOSE TO COMPLETE THIS WORK OVER THE COURSE OF NIGHTLY CLOSURES (MONDAY THRU SUNDAY) IN LIEU OF A WEEKEND CLOSURE. NIGHTLY CLOSURES SHALL TAKE PLACE BETWEEN 10PM AND 5AM						
**		IF WORK IS PERFORMED VIA NIGHTLY CLOSURES, THE NUMBER OF CLOSURES SHALL BE APPROVED BY THE ENGINEER. IT IS THE INTENT TO MINIMIZE THE IMPACT TO THE TRAVELING PUBLIC.						
***	DISINCENTIVES WILL BE ASSESSED PER LANE PER MINUTE AT THE RATES SHOWN IN THE LANE VALUE CONTRACT TABLE FOR ANY CLOSURE OUTSIDE OF THE CLOSURE/DETOUR TIMES							

SHEET NUMBER							PARTICIPATION				ITEM	ITEM EXT.	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
P1/65	P1/163	P2/40	P3/197B	P4/49	P4/158		01/IMS/04	02/IMS/11	03/NHS/10	04/NHS/10						
MAINTENANCE OF TRAFFIC (CONTINUED)																
LS				LS 4600			LS 4600					615	10000	LS	ROADS FOR MAINTAINING TRAFFIC	
							4032					615	20000	SY	PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A	
							4032					615	20001	SY	PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A, AS PER PLAN	
1545		695	4032	629			2869					615	25000	SY	PAVEMENT FOR MAINTAINING TRAFFIC, CLASS B	
100		100		200			400					615	25001	SY	PAVEMENT FOR MAINTAINING TRAFFIC, CLASS B, AS PER PLAN, TYPE 1	
50		50		200			300					615	25001	SY	PAVEMENT FOR MAINTAINING TRAFFIC, CLASS B, AS PER PLAN, TYPE 2	
20			20	200			240					615	25001	SY	PAVEMENT FOR MAINTAINING TRAFFIC, CLASS B, AS PER PLAN, TYPE 3	
20				200			220					615	25001	SY	PAVEMENT FOR MAINTAINING TRAFFIC, CLASS B, AS PER PLAN, TYPE 4	
325				550			875					616	10000	MGAL	WATER	
			4				4					622	10201	EACH	BARRIER TRANSITION, AS PER PLAN	
			7279				7279					622	41011	FT	PORTABLE BARRIER, 50", AS PER PLAN	
1				2			3					622	41050	EACH	PORTABLE BARRIER, "Y" CONNECTOR	
16790		11575					28365					622	41100	FT	PORTABLE BARRIER, UNANCHORED	
				28884			28884					622	41101	FT	PORTABLE BARRIER, UNANCHORED, AS PER PLAN	
1030							1030					622	41110	FT	PORTABLE BARRIER, ANCHORED	
72			288	48			408					808	18700	SNMT	DIGITAL SPEED LIMIT (DSL) SIGN ASSEMBLY	
32							32					829	00100	SNMT	WORK ZONE EGRESS WARNING SYSTEM	
108				48			156					896	00010	SNMT	PORTABLE NON-INTRUSIVE TRAFFIC SENSOR, CLASS I	
				48			48					896	00020	SNMT	PORTABLE CHANGEABLE MESSAGE SIGN	
36							36					896	00021	SNMT	PORTABLE CHANGEABLE MESSAGE SIGN, AS PER PLAN	
INCIDENTALS																
143000							143000					100	51100	EACH	DEPARTMENT'S SHARE OF THE DISPUTE RESOLUTION BOARD	
LS							LS					108	10000		CPM PROGRESS SCHEDULE	
32000							32000					SPECIAL	1110100	EACH	DEPARTMENTS SHARE FACILITATED PARTNERING COSTS	
LS			LS	LS			LS					614	11000	LS	MAINTAINING TRAFFIC	
56			LS	LS			56					619	16021	MNTH	FIELD OFFICE, TYPE C, AS PER PLAN	
LS		LS	LS	LS			LS					623	10000		CONSTRUCTION LAYOUT STAKES AND SURVEYING	
LS		LS	LS	LS			LS					624	10000		MOBILIZATION	
675000							225000	225000	225000			900	00100	EACH	RAILROAD FLAGGING SERVICES	

NO.	DESCRIPTION	REV. BY	DATE
1	ADDED RR FLAGGING	CWL	10-2-23
2	BRICK X-WALK/REV. RR FLAGGING	CWL	10-16-23
5	REVISED FB	CWL	11-6-23
6	REVISED TIME/100	CWL	11-9-23
11	ADDED 619E16021	CWL	12-7-23

BIG BUILD MASTER GENERAL SUMMARY

FRA-70-13.11

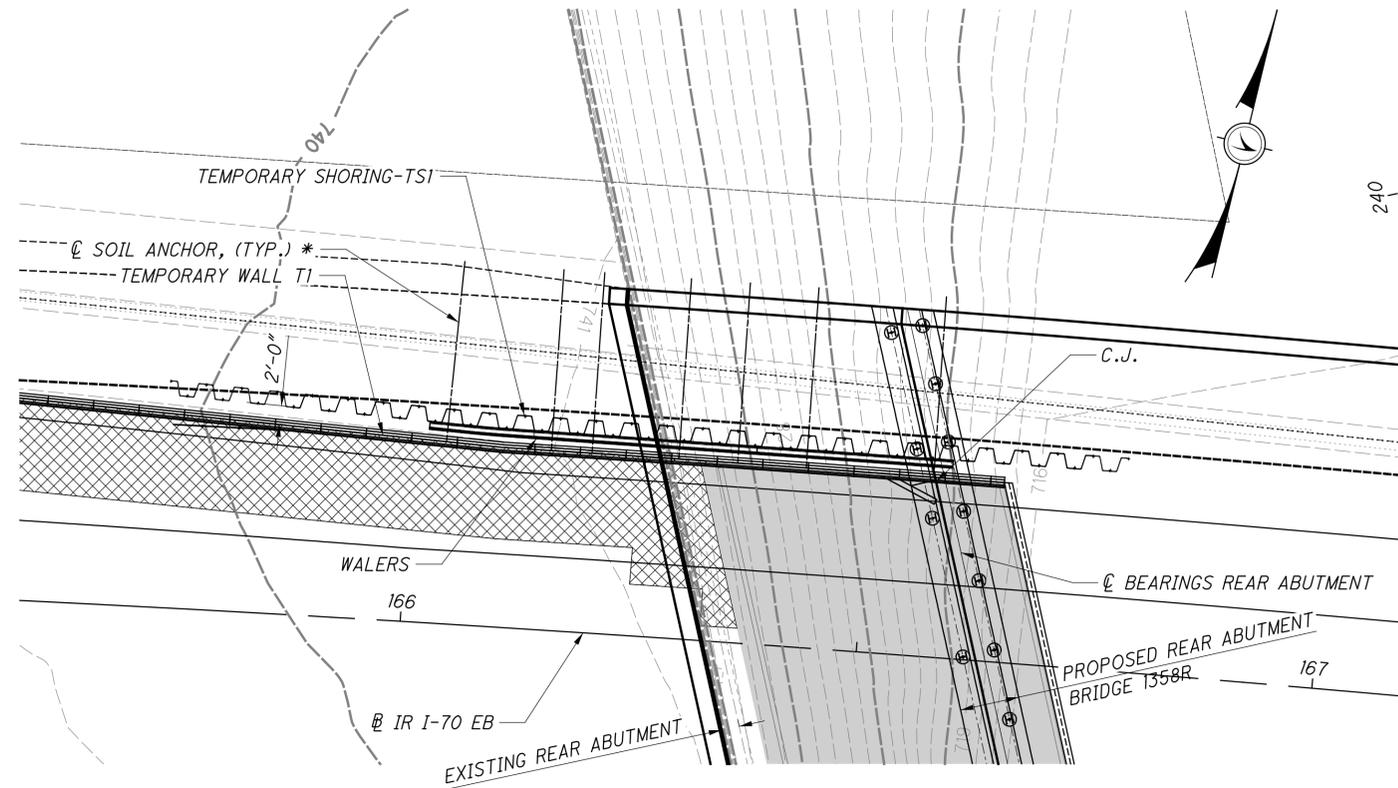
CALCULATED
CJC
CHECKED
CWL

D:\2012\2012048\FRA\77372\ROADWAY\SHEETS\773726917.DGN
12/7/2023
9:04:06 AM
DDOTV161STD_USER

Plot Driver: C:\000\Tcadd\Standards\plcrg\0001\ccad_PDF.plcrg
 Pen Table: N:\Jobs\CADD-Dynotec\Projects\0001\Jobs\11662-South Trench (Structures)\Plotting\77372-South Trench3.tbl

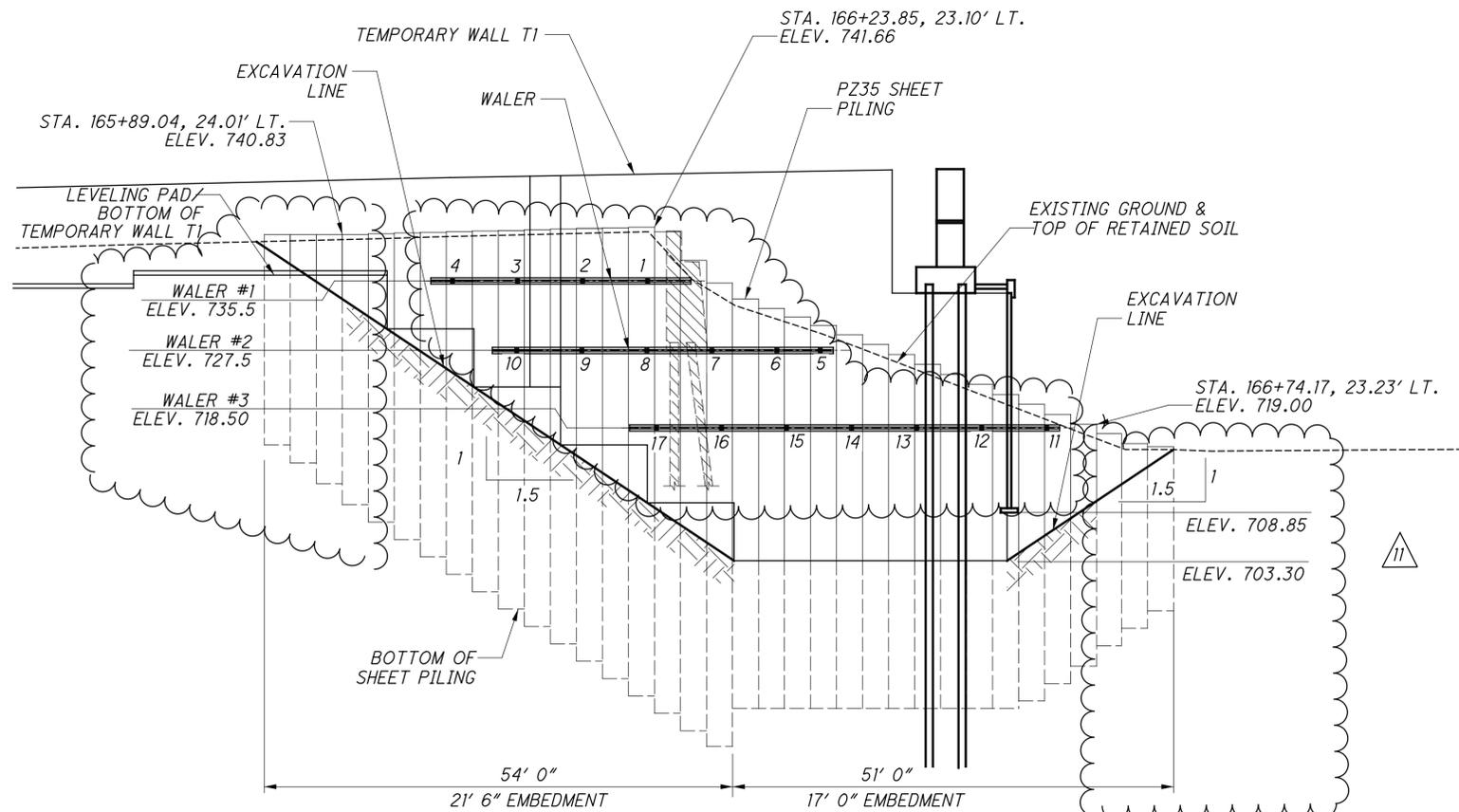
By: plabarbera

12/8/2023 11:34:20 AM
 File: N:\Jobs\2011\11662 - South Trench (FRA-70-1354)\77372-PROJECT 4A (77372) \STRUCTURES\WALL TS\SHEETS\77372-TS\WMP001.dgn



PLAN - TEMPORARY SHORING-TS1 AT NW CORNER, BRIDGE FRA-70-1358R

TS1 ANCHOR SCHEDULE								
WALLER NO.	TIEBACK NO.	TIEBACK ELEVATION (FEET)	TIEBACK INCLINATION ANGLE (DEGREE)	TIEBACK HORIZONTAL SKEW ANGLE (DEGREE)	TIEBACK UNBONED LENGTH (FEET)	TIEBACK LOCK OFF LOAD (KIPS)	TIEBACK PROOF TEST LOAD (KIPS)	TIEBACK ANCHOR SIZE (INCH)
1	1	735.5	20	17	20.5	109	145	1.25
	2			17	20.5	96	128	1.25
	3			17	20.5	96	128	1.25
	4			17	20.5	73	97	1.25
2	5	727.5	20	0	18.5	44	59	1.25
	6			0	18.5	97	129	1.25
	7			0	18.5	97	129	1.25
	8			17	18.5	102	135	1.25
	9			17	18.5	102	135	1.25
	10			17	18.5	78	104	1.25
3	11	718.5	20	0	15	97	129	1.375
	12			0	15	97	129	1.375
	13			0	15	97	129	1.375
	14			0	15	117	156	1.375
	15			0	15	117	156	1.375
	16			0	15	117	156	1.375
	17			17	15	94	125	1.375



ELEVATION - TEMPORARY SHORING-TS1 AT NW CORNER, BRIDGE FRA-70-1358R

(SHEETING PAIR WIDTHS IN ELEVATION VIEW NOT TO SCALE)

LEGEND:

- LIMITS OF TEMPORARY WALL T1 EXCAVATION
- LIMITS OF PERMANENT WALL 4W10 EXCAVATION

NOTES:

- IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE NECESSARY ANCHOR BOND LENGTHS BASED ON THE INSTALLATION METHODS USED. ANCHOR BOND LENGTHS PROVIDED SHALL DEVELOP ADEQUATE CAPACITIES TO SATISFY THE SPECIFIED ANCHOR TEST LOADS. ANCHOR STRESSING AND PROOF TESTING SHALL COMPLY WITH SECTION 6 OF THE AASHTO LFRD BRIDGE CONSTRUCTION SPECIFICATIONS, 4TH EDITION.
- FOR ADDITIONAL SHORING DETAILS AND NOTES, SEE SHEET 352.

NO.	DESCRIPTION	REV. BY	DATE
11	REVISED TS1 AND T1 WALL LIMITS	WCB	12/8/2023

DESIGN AGENCY
DYNOTEC, INC.
 2931 E. DUBLIN-CRAWFORD RD. COLUMBUS, OH 43231
 614.880.7320 T * WWW.DYNOTEC.COM

DATE
 3/11/2015

REVIEWED
 EC

DRAWN
 DJK

DESIGNED
 DJK

FRANKLIN COUNTY
 STA. 166+78.04
 STA. 165+73.58

TEMPORARY SHORING DETAILS - TS1
 FRA-70-1358R
 IR-70 EB OVER CSX & NORFOLK SOUTHERN RAILROADS

FRA-70-13.11
 PID No. 77372

1 / 1

350
 1151

ITEM 615 - PAVEMENT FOR MAINTAINING TRAFFIC.
CLASS B, APP. TYPE 1:
ITEM 615 - PAVEMENT FOR MAINTAINING TRAFFIC.
CLASS B, APP. TYPE 2:
ITEM 615 - PAVEMENT FOR MAINTAINING TRAFFIC.
CLASS B, APP. TYPE 3:
ITEM 615 - PAVEMENT FOR MAINTAINING TRAFFIC.
CLASS B, APP. TYPE 4:

THIS ITEM SHALL BE UTILIZED FOR THE PAVEMENT REPAIRS NEEDED DURING THIS CONSTRUCTION PROCESS. ALL AREAS TO BE REPAIRED SHALL BE LOCATED BY THE ENGINEER. IT IS LIKELY THAT REPAIRS WILL BE NEEDED PRIOR TO EACH PHASE SWITCH. GREAT CARE SHALL BE TAKEN TO MAINTAIN THE EXISTING PAVEMENT CROSS SLOPE AS WELL AS ALL LONGITUDINAL SLOPES. THE TYPE OF REPAIR SHALL BE DETERMINED BY THE PROJECT ENGINEER. PAYMENT FOR ALL LABOR, EQUIPMENT AND MATERIALS REQUIRED FOR MAINTENANCE OF TRAFFIC FOR PAVEMENT REPAIRS SHALL BE INCLUDED IN THE LUMP SUM CONTRACT PRICE FOR ITEM 614, MAINTAINING TRAFFIC.

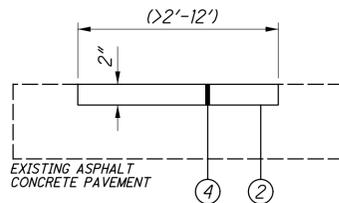
TYPE 1 - IS TO BE USED WHEN YOU NEED TO MILL & FILL AN AREA OF VARYING LENGTH AND HAVE AN AVERAGE WIDTH OF NOT LESS THAN 2 FEET.

TYPE 2 - IS TO BE USED FOR FIXING THE LONGITUDINAL JOINT ISSUES OF VARYING LENGTH AND HAVE A CONSISTENT WIDTH OF 2 FEET.

TYPE 3 - IS TO BE USED FOR DEEPER REPAIRS OF VARYING LENGTH AND WILL HAVE AN AVERAGE WIDTH OF NOT LESS THAN 4 FEET.

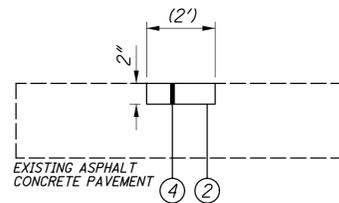
TYPE 4 - IS TO BE USED FOR COMPOSITE PAVEMENT REPAIRS OF VARYING LENGTH AND WILL HAVE AN AVERAGE WIDTH OF NOT LESS THAN 3 FEET.

ALL COSTS ASSOCIATED WITH REMOVING AND REPLACING PAVEMENT AND TACK COAT FOR THE REPAIRS SHALL BE INCIDENTAL TO ITEM 615 PAVEMENT FOR MAINTAINING TRAFFIC, CLASS B, AS PER PLAN.



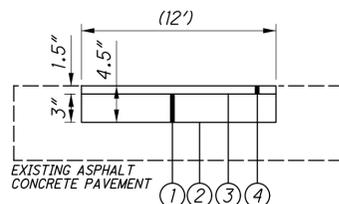
TYPE 1 DETAIL

PARTIAL DEPTH PAVEMENT REPAIR, AS PER PLAN TYPE 1



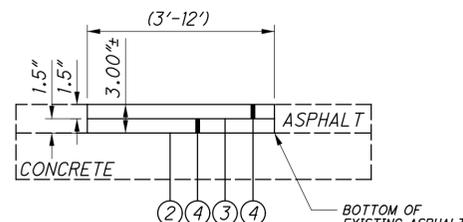
TYPE 2 DETAIL

PARTIAL DEPTH PAVEMENT REPAIR, AS PER PLAN TYPE 2



TYPE 3 DETAIL

PARTIAL DEPTH PAVEMENT REPAIR, AS PER PLAN TYPE 3



TYPE 4 DETAIL

PARTIAL DEPTH PAVEMENT REPAIR, AS PER PLAN TYPE 4

LEGEND:

- ① ITEM 301 - ASPHALT CONCRETE BASE, PG64-22
- ② ITEM 407 - TACK COAT @ 0.075 PER SQ. YD.
- ③ ITEM 407 - TACK COAT FOR INTERMEDIATE @ 0.05 PER SQ. YD.
- ④ ITEM 441 - TYPE 1 (AS DESCRIBED IN CMS 615.05)

ITEM 615 PAVEMENT FOR MAINTAINING TRAFFIC, CLASS B, APP, TYPE 1 = 200 S.Y.
 ITEM 615 PAVEMENT FOR MAINTAINING TRAFFIC, CLASS B, APP, TYPE 2 = 200 S.Y.
 ITEM 615 PAVEMENT FOR MAINTAINING TRAFFIC, CLASS B, APP, TYPE 3 = 200 S.Y.
 ITEM 615 PAVEMENT FOR MAINTAINING TRAFFIC, CLASS B, APP, TYPE 4 = 200 S.Y.

MAINTENANCE OF TRAFFIC FOR MAKING PAVEMENT REPAIRS

PROVIDE LANE CLOSURES PER ALL APPLICABLE MAINTENANCE OF TRAFFIC STANDARD CONSTRUCTION DRAWINGS A MINIMUM OF 24 HOURS PRIOR TO PERFORMING PAVEMENT REPAIRS TO ALLOW THE ENGINEER TO IDENTIFY AND MARK THE AREAS OF THE PAVEMENT IN NEED OF REPAIRS

PAYMENT FOR ALL LABOR, EQUIPMENT, MATERIALS, LEO HOURS, AND INCIDENTALS NEEDED TO PERFORM THE ABOVE LISTED WORK IS CONSIDERED INCIDENTAL TO MAINTAINING TRAFFIC ON THE PROJECT AND WILL BE INCLUDED IN THE LUMP SUM BID FOR ITEM 614 MAINTAINING TRAFFIC.

APPROVED MAINTENANCE OF TRAFFIC (MOT) POLICY EXCEPTION(S)

PORTIONS OF THE MOT PLANS AS DESCRIBED BELOW HAVE APPROVED MOT EXCEPTION(S) PER TRAFFIC MANAGEMENT IN WORK ZONES POLICY (21-008(P)) AND STANDARD PROCEDURE (123-001(SP)).

APPROVED MOT EXCEPTION(S) INCLUDE:
 - CLOSURE OF 315SB TO 70EB FOR 4 YEARS IN TOTAL (3 YEARS FOR 77372 AND 1 YEAR PREVIOUSLY FOR 105523)
 - CLOSURE OF 70WB TO 315NB FOR 6 MONTHS IN TOTAL
 - MONITOR TRAFFIC CONDITIONS FOR POSSIBLE CONFIGURATION ADJUSTMENTS AT THE 670EB TO 71SB DETOUR RAMP

A MAINTENANCE OF TRAFFIC MEETING SHALL BE HELD A MINIMUM OF 30 CALENDAR DAYS PRIOR TO IMPLEMENTATION OF EACH APPROVED MOT EXCEPTION. THIS MEETING SHALL INCLUDE THE DISTRICT WORK ZONE TRAFFIC MANAGER AND THE CITY OF COLUMBUS AS WELL AS THE CONTRACTOR, WORKSITE TRAFFIC SUPERVISOR (WTS) AND ANY SUBCONTRACTORS INVOLVED WITH TEMPORARY TRAFFIC CONTROL.

IN ADDITION TO ANY NOTIFICATIONS REQUIRED IN OTHER NOTES, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER AT LEAST 3 BUSINESS DAYS IN ADVANCE OF IMPLEMENTATION OF THE APPROVED MOT EXCEPTION(S) REFERENCED ABOVE SO THAT THE PROJECT ENGINEER CAN SEND EMAIL NOTIFICATION TO THE OFFICE OF ROADWAY ENGINEERING, STATEWIDE TMC, DWZTM AND SPECIAL HAULING PERMITS AT LEAST 2 BUSINESS DAYS IN ADVANCE OF THE IMPLEMENTATION OF THE APPROVED MOT EXCEPTION(S) REFERENCED ABOVE. REFERENCE "EXCEPTION REQUEST APPROVAL DATED 1/24/23 FOR PID 77372" IN THE NOTIFICATION AND OTHER CORRESPONDENCE.

ANY CHANGES TO THE MOT THAT IMPACT THE PREVIOUSLY APPROVED MOT EXCEPTION(S) LISTED ABOVE SHALL BE APPROVED IN WRITING BY THE MOT EXCEPTION COMMITTEE (MOTEC). IN THE EVENT THAT SUCH CHANGES ARE PROPOSED, THE REQUEST SHALL BE COORDINATED THROUGH THE DISTRICT WORK ZONE TRAFFIC MANAGER (DWZTM) A MINIMUM OF 30 CALENDAR DAYS PRIOR TO THE DESIRED IMPLEMENTATION DATE. IF THE DISTRICT AGREES WITH THE PROPOSED CHANGES THE DWZTM SHALL SEEK APPROVAL FROM THE MOTEC. IN THE EVENT THE PROPOSED CHANGES ARE APPROVED IN WRITING, THE CLOSURES ARE STILL SUBJECT TO NOTIFICATION REQUIREMENTS WITHIN THIS NOTE PRIOR TO IMPLEMENTATION.

SUMMARY OF RAMP/ROAD CLOSURES				
MOT PHASE	STREET	LOCATION	MAX DURATION	DISINCENTIVE
1	FULTON/3RD ST RAMP	FULTON/3RD STREET INTERSECTION	PERMANENT	N/A
1 THRU 4B	3RD ST	3RD STREET BRIDGE	DURATION OF PROJECT	N/A
1 THRU 4B	4TH ST	4TH STREET BRIDGE	DURATION OF PROJECT	N/A
1, 4A, AND 4B	I-70/71	BETWEEN 315 & 70/71 INTERCHANGE AND EAST 70/71 INTERCHANGE	SEE TABLE ON THIS SHEET	***

BRIDGE DESCRIPTION	STRUCTURE #	WORK TYPE	DAYS	CLOSURE/DETOUR TIME***	# TIMES ALLOWED	DETOUR DETAILS ON SHEETS
3RD ST. BRIDGE	FRA-33-1747C	DEMOLITION	WEEKEND *	FRI 10PM - MON 5 AM	1**	69 - 72
		BEAM ERECTION	WEEKEND *	FRI 10PM - MON 5 AM	2**	
		DECK POUR	NIGHTTIME CLOSURE	FRI 10PM - MON 5 AM	1	
		DECK POUR	NIGHTTIME CLOSURE	FRI 10PM - MON 5 AM	1	
3RD ST. BRIDGE EAST CAP		DECK POUR	NIGHTTIME CLOSURE	FRI 10PM - MON 5 AM	1	
3RD ST. BRIDGE WEST CAP		DECK POUR	NIGHTTIME CLOSURE	FRI 10PM - MON 5 AM	1	
4TH ST. BRIDGE	FRA-23-1075C	DEMOLITION	WEEKEND *	FRI 10PM - MON 5 AM	1**	69 - 72
		BEAM ERECTION	WEEKEND *	FRI 10PM - MON 5 AM	2**	
		DECK POUR	NIGHTTIME CLOSURE	FRI 10PM - MON 5 AM	1	
*		THE CONTRACTOR MAY CHOOSE TO COMPLETE THIS WORK OVER THE COURSE OF NIGHTLY CLOSURES (MONDAY THRU SUNDAY) IN LIEU OF A WEEKEND CLOSURE. NIGHTLY CLOSURES SHALL TAKE PLACE BETWEEN 10PM AND 5AM.				
**		IF WORK IS PERFORMED VIA NIGHTLY CLOSURES, THE NUMBER OF CLOSURES REQUIRED SHALL BE APPROVED BY THE ENGINEER. IT IS THE INTENT TO MINIMIZE THE IMPACT TO THE TRAVELING PUBLIC.				
***		DISCINCENTIVES WILL BE ASSESSED PER LANE PER MINUTE AT THE RATES SHOWN IN THE LANE VALUE CONTRACT TABLE FOR ANY CLOSURE OUTSIDE OF THE CLOSURE/DETOUR TIMES				

LANDSCAPE AND SOIL SUMMARY - HIGH STREET BRIDGE

PLAN SHEET NUMBER				PARTICIPATION 06/MPO/OT	ITEM	ITEM EXT.	GRAND TOTAL	UNIT	DESCRIPTION	DETAIL SHEET NO.
325	326	332	333							
		226	316	542	660	E30001	542	SY	SODDING, AS PER PLAN	334
		3	3	6	661	E99900	6	EACH	PLANTING, MISC.: DECIDUOUS TREE, 12' HT - 3-5 STEMS, MAGNOLIA VIRGINIANA - SWEETBAY MAGNOLIA, AS PER PLAN	334-335
		11	11	22	661	E40141	22	EACH	DECIDUOUS TREE, 4" CAL, ACER RUBRUM 'ARMSTRONG GOLD' - ARMSTRONG GOLD MAPLE, AS PER PLAN	334-335
		10	10	20	661	E40121	20	EACH	DECIDUOUS TREE, 3" CAL, AMELANCHIER X GRANDILORA 'AUTUMN BRILLIANCE' - AUTUMN BRILLIANCE SERVICEBERRY, AS PER PLAN	334-335
		6	6	12	661	E40121	12	EACH	DECIDUOUS TREE, 3" CAL, CRATAEGUS VIRIDIS 'WINTER KING' - WINTER KING HAWTHORN, AS PER PLAN	334-335
		98	93	191	661	E30061	191	EACH	EVERGREEN SHRUB, 2' HT, JUNIPERUS CHINENSIS 'GOLD COAST' - GOLD COAST JUNIPER, #3 CONT.	334-335
		24	24	48	661	E20041	48	EACH	DECIDUOUS SHRUB, 2' HT, HYDRANGEA PANICULATA 'JANE' - LITTLE LIME HARDY HYDRANGEA, #3 CONT.	334-335
		145	160	305	661	E14001	305	EACH	PERENNIALS, AS PER PLAN: PENNISETUM ALOPECUROIDES 'HAMLIN' - FOUNTAIN GRASS, #2 CONT.	334-335
		80	80	160	661	E14001	160	EACH	PERENNIALS, AS PER PLAN: SCHIZACHYRIUM SCOPARIUM 'THE BLUES' - LITTLE BLUESTEM, #2 CONT.	334-335
		439	480	919	661	E14001	919	EACH	PERENNIALS, AS PER PLAN: FESTUCA GLAUCA 'ELIJAH BLUE' - BLUE FESCUE, #1 CONT.	334-335
		69	46	115	661	E14001	115	EACH	PERENNIALS, AS PER PLAN: LAVANDULA AUGUSTIFOLIA 'HIDCOTE' - HIDCOTE ENGLISH LAVANDER, #1 CONT.	334-335
		143	176	319	661	E14001	319	EACH	PERENNIALS, AS PER PLAN: AMSONIA HUBRICHTII - HUBRICHT'S AMSONIA, #2 CONT.	334-335
		225	227	452	661	E14001	452	EACH	PERENNIALS, AS PER PLAN: LIRIOPE MUSCARI 'MONROE'S WHITE' - MONROE'S WHITE LILYTURF, #1 CONT.	334-335
		220	220	440	661	E11001	440	EACH	GROUNDCOVER AND VINES, #1 CONT, LYSIMACHIA NUMMULARIA 'AUREA' - CREEPING JENNY	334-335
75	105			180	SPECIAL	690E98700	180	CY	TURFGRASS SOIL MIX FURNISHED & PLACED, AS PER PLAN (12" DEPTH UPPER HORIZON)	334
28	39			67	SPECIAL	690E98700	67	CY	TURFGRASS SOIL MIX FURNISHED & PLACED, AS PER PLAN (4.5" DEPTH LOWER HORIZON)	334
394	402			796	SPECIAL	690E98700	796	CY	TREE AND PLANTS SOIL MIX FURNISHED & PLACED, AS PER PLAN (24" DEPTH UPPER HORIZON)	334-335
148	151			299	SPECIAL	690E98700	299	CY	TREE AND PLANTS SOIL MIX FURNISHED & PLACED, AS PER PLAN (9" DEPTH LOWER HORIZON)	334-335

SITE FURNISHINGS AND UTILITIES SUMMARY - HIGH STREET BRIDGE

PLAN SHEET NO.		PARTICIPATION 06/MPO/OT	PARTICIPATION 07/NHS/04/COL	ITEM	ITEM EXT.	GRAND TOTAL	UNIT	DESCRIPTION	DETAIL SHEET NO.
316	317								
		9		518	E62200	9	EACH	STRUCTURE DRAIN, MISC.: YARD DRAIN	324
		259		605	E98000	259	FT	UNDERDRAINS, MISC.: 6" PERFORATED AND SOLID PLANTER UNDERDRAIN	324
		1442		605	E98000	1442	FT	UNDERDRAINS, MISC.: 4" PERFORATED AND SOLID PLANTER UNDERDRAIN	324
		13		611	E97200	13	EACH	CONDUIT, MISC.: "T" CONNECTION WITH CLEANOUT RISER AND ATRIUM GRATE	324
		42		611	E97200	42	EACH	CONDUIT, MISC.: 90 DEGREE ELBOW WITH CLEANOUT RISER AND ATRIUM GRATE	324
8	7	18		625	E98000	18	EACH	LIGHTING, MISC.: RECESSED WALL LIGHT TYPE 1	362
28	23	51		625	E98000	51	EACH	LIGHTING, MISC.: SEATWALL LIGHT TYPE 2 (8' SEGMENTS)	362
2	2	4		630	630E97700	4	EACH	SIGNING, MISC.: BRIDGE PYLON ALUMINUM LETTERS	360
19	18	37		SPECIAL	517E76300	37	LF	RAILLING, MISC.: STAINLESS STEEL HANDRAIL	370
5	4	9		SPECIAL	690E98000	9	EACH	TABLES WITH SEATS	
		1		SPECIAL	680E43100	1	EACH	COMPLETE IRRIGATION SYSTEM (HIGH ST. BRIDGE, FULTON ST., LIVINGSTON AVE.)	330
10	10	20		SPECIAL	690E98000	20	EACH	ALUMINUM PLANTER POT TYPE A (HIGH STREET BRIDGE)	351
40	40	80		SPECIAL	690E98000	80	EACH	SKATE DETERRENTS - TYPE A- PLANTER POTS	351
101	107	208		SPECIAL	690E98000	208	EACH	SKATE DETERRENTS - TYPE B- WALLS	355
57	45	102		SPECIAL	690E98000	102	EACH	SKATE DETERRENTS - TYPE C- WOOD SEAT WALL	349
		1		SPECIAL	690E98400	1	LS	ARCHITECTURAL PRECAST CONCRETE PLANTERS, WALLS, STEPS, AND PLINTHS	356
33	43	76		SPECIAL	690E98700	76	CY	CAST IN PLACE CONCRETE FOR PRECAST VENEER RETAINING WALL TYPE "C"	351
		1		SPECIAL	690E98400	1	LS	WOOD CLAD SEATWALL	361-362
		1		SPECIAL	690E98400	1	LS	COMPLETE PLANTER WATERPROOFING SYSTEM (HIGH STREET BRIDGE)	353-354
		1		SPECIAL	690E98000	1	LS	ARCHITECTURAL TRELLIS & PLASTIC FABRICATIONS - EAST AND WEST CAPS, HIGH ST. BRIDGE	357-360
		1		SPECIAL	690E98400	1	LS	ILLUMINATED SCREEN WALL (HIGH ST BRIDGE)	365-369
690	508	1,198		SPECIAL	690E98200	1,198	SF	UNIT PAVER (SETTING METHOD A- PEDESTAL SYSTEM)	352
71	124	195		SPECIAL	690E98200	195	SF	UNIT PAVER (SETTING METHOD B- BITUMINOUS SET WITH SAND JOINT)	352
2	2		4	630	630E97700	4	EACH	CAST ALUMINUM WALL MOUNTED BRIDGE PLAQUE	349

NO.	DESCRIPTION	REV. BY	DATE
11	ADDED PAY ITEM	LW/JB	12.08.23

MKSK
LANDSCAPE ARCHITECTURE + URBAN PLANNING

R/W DESIGNER
LHW/ADH
R/W REVIEWER
JRB

AESTHETIC ENHANCEMENTS SUMMARY
HIGH STREET BRIDGE

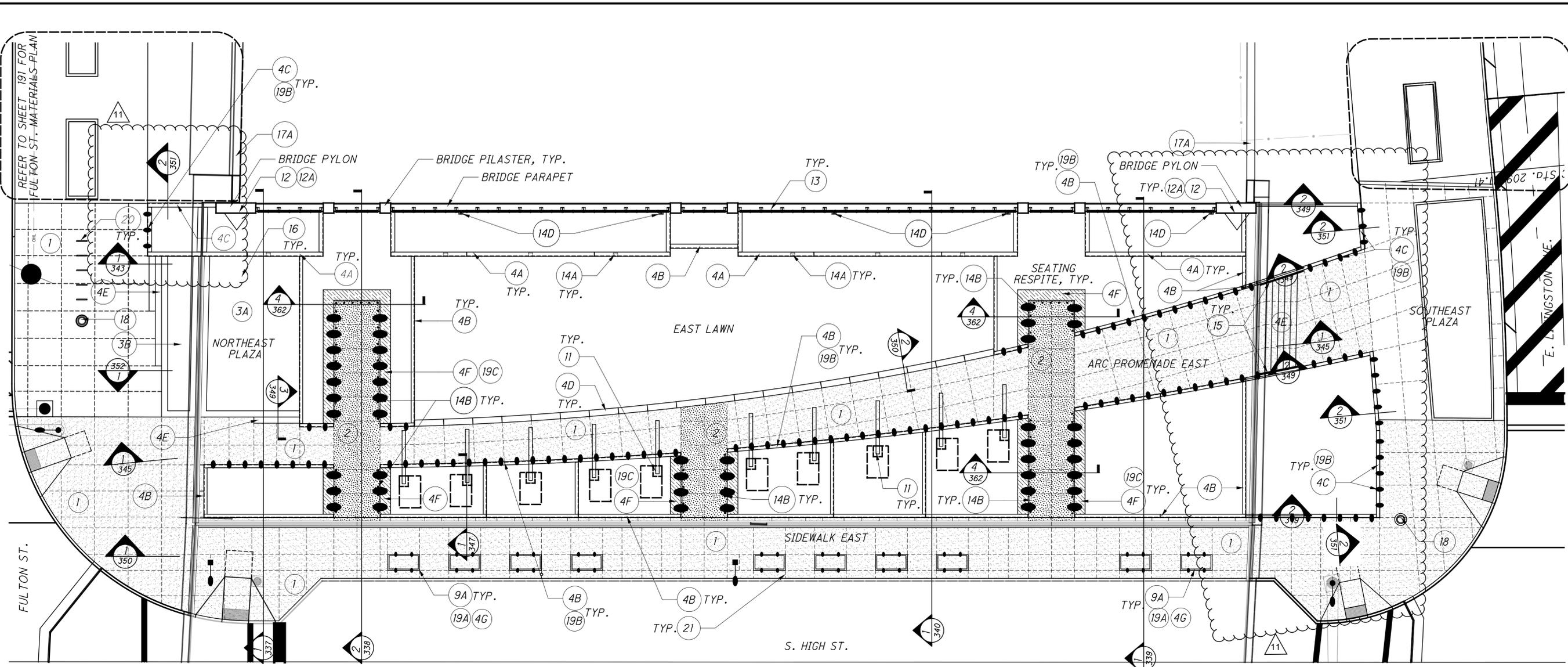
FRA-70-14.05C

314
395

3524-E

P:\2013\13811.06-70-71 4R & 4H\CAD\Current\Sheet\105596pm100.dwg

\P\B2013\c1381.06-70-71 4R & 4H\MICROSTATION\4H 105596\B\SHEETS\B105596PP102-MATERIALS EAST.dgn



REFER TO SHEET 316 FOR MATERIALS PLAN OF HIGH STREET BRIDGE WEST

KEY	ITEM
4A	PRECAST PLANTER WALL "A"
4B	PRECAST PLANTER WALL "B"
4C	PRECAST PLANTER WALL "C"
4D	PRECAST HEADER CURB
4E	PRECAST STEPS
4F	WOOD-CLAD PRECAST SEATWALL
4G	PRECAST PLINTH FOR PLANTER POT A
9A	ALUMINUM PLANTER POT TYPE A WITH PLINTH
11	HIGH ST. BRIDGE ARCHITECTURAL TRELLIS
12	PYLON STREET IDENTIFIER LETTERS
13	HIGH ST. BRIDGE ILLUMINATED SCREEN WALL
14C	AESTHETIC LIGHTING CONTROLLER
15	PIPE HANDRAIL
16	TABLES AND CHAIRS
17A	DECORATIVE FENCING
18	LITTER RECEPTACLE

SYMBOL LEGEND		
1	[Pattern]	SPECIAL FINISH CONCRETE PAVING TYPE
2	[Pattern]	SPECIAL FINISH CONCRETE PAVING TYPE
	[Pattern]	BROOM FINISH CONCRETE PAVING
	[Pattern]	WOOD CLAD BACKLESS BENCH
3A 3B	[Pattern]	CONCRETE UNIT PAVERS
12A	[Symbol]	BRIDGE PLAQUE
14A	[Symbol]	LIGHT TYPE 1 - RECESSED WALL LUMINAIRE
14B	[Symbol]	LIGHT TYPE 2 - SEATWALL NICHE LIGHT
14D	[Symbol]	QUAZITE BOX (FOR SCREEN WALL DATA INJECTOR)
	[Symbol]	ESPLANADE STYLE STREET LIGHT
18	[Symbol]	LITTER RECEPTACLE
	[Symbol]	DECORATIVE SAWCUT JOINT
19A	[Symbol]	SKATE GUARD TYPE A (PLANTER POTS)
19B	[Symbol]	SKATE GUARD TYPE B (PLANTER WALLS)
19C	[Symbol]	SKATE GUARD TYPE C (WOOD-CLAD SEATWALL)
20	[Symbol]	BIKE RACK

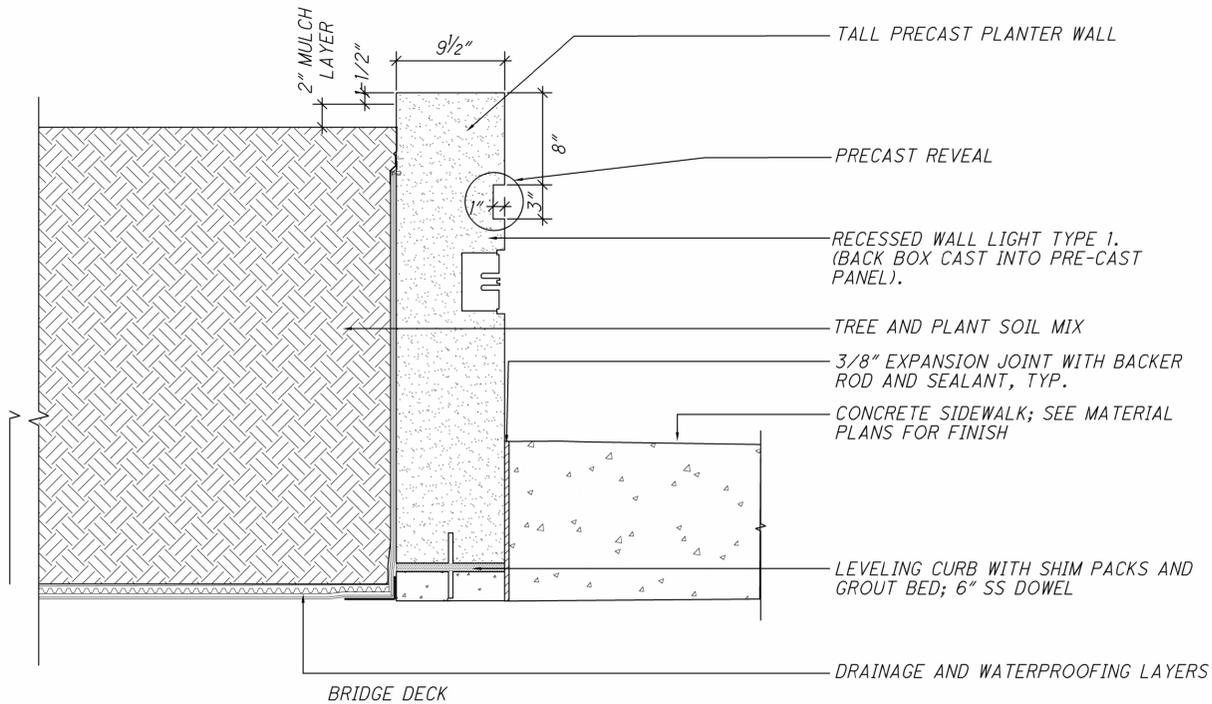
NOTES:
 1. SKATE GUARDS SHALL BE INSTALLED MIN. 12" FROM EDGE OF WALL.
 2. SKATE GUARDS TO BE SPACED EVENLY BETWEEN WALL JOINTS WITH A MAX. SPACING OF 3' O.C.

- GENERAL NOTES
- ALL SAWCUT JOINTS IN BUFF WASH CONCRETE PAVING ON STRUCTURE SHALL BE 1/8" WIDTH. REFER TO DETAILS ON SHEET 355 FOR FINISH SPECIFICATIONS.
 - SAWCUT JOINT SHALL ALIGN WITH CAST REVEALS ON PLANTER WALLS WHERE SHOWN INTERNAL TO FACE OF PLANTER.
 - SAWCUT JOINTS SHALL ALIGN WITH FACE OF VERTICAL CORNERS AT PYLONS, PILASTERS OR PLANTER WALLS WHERE SHOWN.
 - REFER TO PAVING AND PLANTER DETAILS FOR EXPANSION JOINT LOCATIONS AT CURBS, WALLS, PLANTERS AND OTHER VERTICAL ELEMENTS.
 - REFER TO APPLICABLE ROADWAY DRAWINGS (FULTON STREET, HIGH STREET, LIVINGSTON AVENUE) FOR CONSTRUCTION OF VEHICULAR PAVEMENT, ROADWAY CURBS, ADA RAMPS, AND CROSSWALKS.
 - SAWCUT JOINTS TO BE CONTINUOUS AND EXTEND TO EDGE OF CONCRETE SLAB. USE HAND TOOLS TO EXTEND CUTS ALL THE WAY TO VERTICAL SURFACES AND EXPANSION JOINT ARMOR AS REQUIRED.

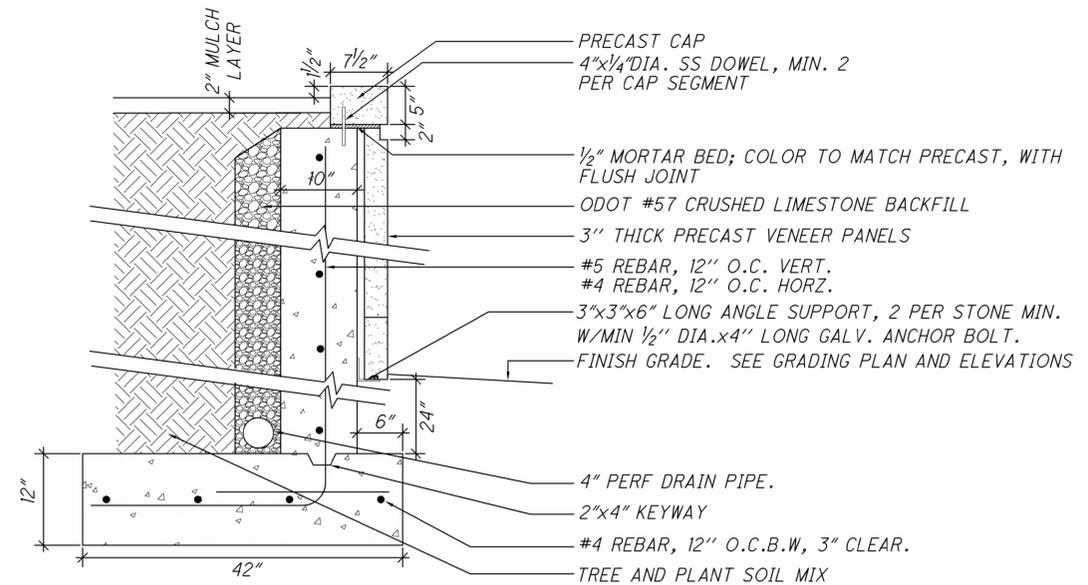
REVISION BOX			
NO.	DESCRIPTION	REV. BY	DATE
11	ADDED DETAIL REFERENCE	LW/JB	12.08.23

3524-E

MATERIALS PLAN - HIGH ST.T BRIDGE EAST
 AESTHETIC ENHANCEMENTS
 FRA-70.14.05C
 317
 395

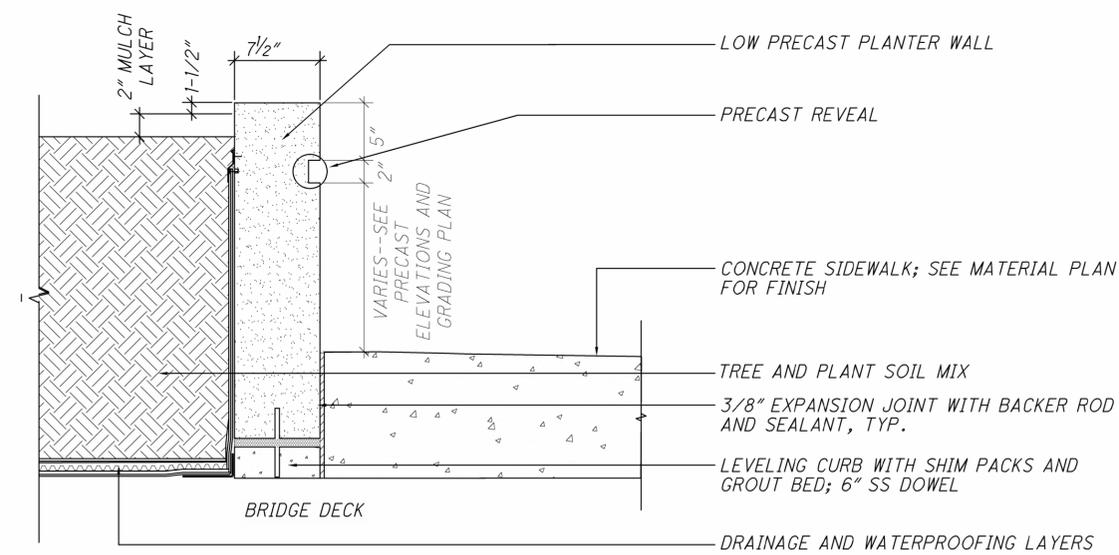


1 BRIDGE TYP SECTION - TALL PRECAST PLANTER WALL - TYPE "A"
SCALE: 1" = 1'-0"

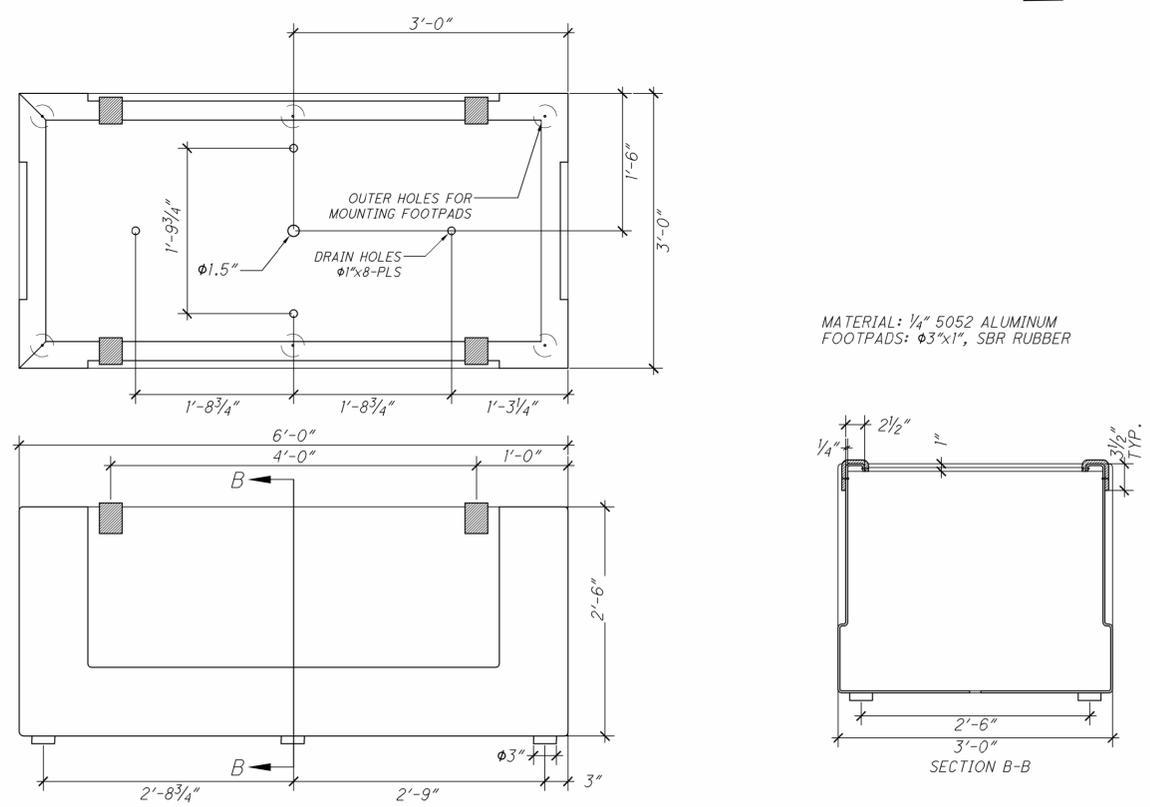


NOTE:
CIP CONCRETE PORTION IS PAID FOR UNDER:
ITEM 690E98700 BY CY. REINFORCEMENT IS
INCIDENTAL TO THE COST OF THE PAY ITEM.

2 PRE-CAST VENEER RETAINING WALL - TYPE "C" TYP. SECTION
SCALE: 1" = 1'-0"



3 BRIDGE TYP SECTION - LOW PRECAST PLANTER WALL - TYPE "B"
SCALE: 1" = 1'-0"



- FABRICATED DETERRENT TO WRAP TOP PLANTER EDGES
- CONCEALED FASTENERS SCREWED THROUGH INSIDE OF PLANTERS
- DETERRENTS TO MATCH COLOR AND FINISH OF EXISTING BELOW
- INTEGRATED DESIGNED TO COMPLEMENT PLANTER REVEAL / INSIDE PANEL

4 ALUMINUM PLANTER POT - TYPE A
SCALE: 1" = 1'-0"

NO.	DESCRIPTION	REV. BY	DATE
11	REVISED DETAIL #2	LW/JB	12.08.23

P:\2013\C13811.06-70-71 4R & 4H\CAD\CURRENT\SHEETS\105596PD118A.DWG

CALCULATED
LHW
BY: JRB

HIGH ST. BRIDGE - TYPICAL SECTIONS
AESTHETIC ENHANCEMENTS

FRA-70-14.05C

MKSK
LANDSCAPE ARCHITECTURE + URBAN PLANNING

3524-E

351
395