#### **PROJECT SPECIFICATIONS**

## 2024 SCCTD Bike Trail 159 Bridge Deck Replacement

ST. CLAIR COUNTY, ILLINOIS

May 2024



ST. CLAIR COUNTY TRANSIT DISTRICT

## **NOTICE TO BIDDERS**

The St. Clair County Transit District, St. Clair County, Illinois, will receive sealed bids for 2024 SCCTD Bike Trail 159 Bridge Deck Replacement until 11:00 A.M., on MAY 14, 2024, at the office of the St. Clair County Transit District. All bids will be publicly opened and read aloud at 11:05 A.M., on MAY 14, 2024. The sealed bids must be delivered to the St. Clair County Transit District office before 1 1:00 A.M., during regular business hours. The Contract Documents, including Plans and Specifications, are on file at the office of the St. Clair County Transit District at 27 North Illinois Street, Belleville, Illinois, 62220.

The proposed project consists of the removal and replacement of the existing treated wood deck for the bike trail bridge over IL Rt 159 in Swansea, Illinois and any other work necessary to complete the project as described. All work shall be performed in accordance with the Illinois Department of Transportation (IDOT) Standard Specifications for Road and Bridge Construction, edition in effect at the time of the bid.

IDOT Pregualification is required for all bidders.

No less than the prevailing rate of wages, as determined in accordance with the Illinois Prevailing Wage Act, shall be paid to all laborers, operators, teamsters, masons, plumbers, and any workers employed in construction on this project.

Each bidder must deposit with his bid, security in the amount of not less than five percent (5%) of the bidder's total bid price, such security being an acceptable bid bond, certified check, or cashier's check. The successful bidder will be required to furnish a satisfactory Performance Bond in the full amount of the bid.

Contractors must register their email with the St. Clair County Transit District by emailing Tony Erwin at <a href="mailto:terwin@scctd.org">terwin@scctd.org</a>. Bids will not be accepted or opened which have been received from any bidder who is not a bid document holder of record.

All questions shall be forwarded to Tony Erwin by email at terwin@scctd.org.

#### ST. CLAIR COUNTY TRANSIT DISTRICT

## 2024 SCCTD Bike Trail 159 Bridge Deck Replacement ST. CLAIR COUNTY TRANSIT DISTRICT

To: The Chairman and Board St. Clair County Transit District

The undersigned, having familiarized (himself/itself/themselves) with the local conditions affecting the cost of the work and with the Contract Documents, including the Notice to Bidders, General Conditions, Special Provisions, Specifications for Workmanship and Materials, Proposal, Form of Contract, Form of Bonds, etc., and with the plans and addenda on file in the Office of the St. Clair County Transit District, hereby proposes to perform all work required to be performed and to provide and furnish all of the labor, materials, necessary tools, expendable equipment, and all utility and transportation services necessary to perform and complete in a workmanlike manner all work required in connection with the **2024 SCCTD Bike Trail 159 Bridge Deck Replacement** for the St. Clair County Transit District, all in accordance with the Plans and Specifications, including:

ADDENDA NUMBER	<u>DATE</u>	

issued thereto and acknowledged herein, for the unit prices given in the following SCHEDULE OF QUANTITIES AND BID UNIT PRICES:

## 2024 SCCTD Bike Trail 159 Bridge Deck Replacement

## **SCHEDULE OF QUANTITIES AND BID UNIT PRICES**

Item	Description	Unit	Quantity	Unit Price	Total
1	Mobilization	L.S.	1		
2	Deck Demo	L.S.	1		
3	Deck Replacement	L.S.	1		
4	Traffic Control	L.S.	1		
				Total	

If awarded this contract, the undersigned agrees to commence work within ten (10) days after award of the contract or as otherwise directed, and to complete the work as outlined in the Completion Date special provision of the **2024 SCCTD Bike Trail 159 Bridge Deck Replacement** specifications.

Accompanying this proposal is a (certif	ied check), (cashier's check), (bid bond), in the
amount of	dollars
(\$), paya	able to the St. Clair County Transit District, which
it is agreed will be forfeited to the St. Cla	air County Transit District if the undersigned fails
to execute the contract.	
	BIDDER - COMPANY NAME
	ADDRESS
	CITY / STATE / ZIP
	BY:
	TITLE DATE

### NON-COLLUSION AFFIDAVIT

The bidder, by its officers and their authorized agents or representatives present at the time of filing this bid, being duly sworn on their oaths, say that neither they nor any of them have in any way, directly or indirectly, entered into any arrangement or agreement with any other bidder, nor with any public officer of the ST. CLAIR COUNTY TRANSIT DISTRICT whereby such affiant or affiants, or either of them, has paid or is to pay to such other bidder or public officer any sum of money; nor has given or is to give such other bidder or public officer anything of value whatever, or such affiant or affiants; or either of them, has not, directly or indirectly, entered into any arrangement or agreement with any other bidder or bidders, which tends to or does lessen or destroy free competition in the letting of the Contract sought for by the attached bids; nor any inducement of any form or character, other than that which appears upon the face of the bid, will be suggested, offered, paid or delivered to any person whomsoever to influence the acceptance of the said bid or awarding of the Contract; nor has this bidder entered into any agreement or understanding of any kind whatsoever, with any person, in any way or manner, for any of the proceeds of the contract sought by this bid.

	BY:	
BIDDER - COMPANY NAME		
ADDRESS	TITLE	DATE
CITY / STATE / ZIP		
Subscribed and sworn to before me this	day of	, 2024.
	NOTARY PUBLIC	
	My commission expires:	

NOTE: Bidders should not add any conditions or qualifying statements to this bid, as otherwise the bid may be declared irregular as being not responsive to the Advertisement for Bids.

#### **BID BOND**

<b>WE</b> ,, as
PRINCIPAL, and,
as SURETY with authority to do business in Illinois, are held and firmly bound unto the
ST. CLAIR COUNTY TRANSIT DISTRICT in the penal sum of Five Percent (5%) of the
total bid price lawful money of the United States. We bind ourselves jointly and
severally, and our joint and several heirs, executors, administrators, successors, and
assigns, firmly by these presents, thisday of,
2024, to pay to the ST. CLAIR COUNTY TRANSIT DISTRICT this sum under the
conditions of this instrument.

WHEREAS the condition of the foregoing obligation is such that, the said PRINCIPAL is submitting a written proposal to the ST. CLAIR COUNTY TRANSIT DISTRICT for 2024 SCCTD Bike Trail 159 Bridge Deck Replacement.

THEREFORE, if the proposal is accepted and a contract awarded to the PRINCIPAL by the ST. CLAIR COUNTY TRANSIT DISTRICT for the aforementioned improvement, and the PRINCIPAL shall within ten (10) days after receipt of the notice of award enter into a formal contract and furnish evidence of the required insurance coverage, all as required by the project specifications, then this obligation shall become void; otherwise, it shall remain in full force and effect.

IN THE EVENT the ST. CLAIR COUNTY TRANSIT DISTRICT determines that the PRINCIPAL has failed to enter into a formal contract in compliance with any requirements set forth in the preceding paragraph, then the ST. CLAIR COUNTY TRANSIT DISTRICT shall immediately be entitled to recover the full penal sum set out above, together with all court costs, all attorney fees and any other expense of recovery.

IN TESTIMONY WHEREOF, the	e said PRINCIPAL and the said	SURETY have
caused this instrument to be signed b	y their respective officers this_	day of
(SEAL) PRINCIPAL	PRINCIPAL - COMPANY NAME	
	ADDRESS	
	CITY / STATE / ZIP	
ATTEST:	BY:	
TITLE DATE	TITLE	DATE
(SEAL) SURETY	SURETY - COMPANY NAME	
	BY:	
	ATTORNEY-IN-FACT	DATE
Subscribed and sworn to before me this	day of	, 2024.
	NOTARY PUBLIC  My commission expires:	
	wy commicaton cyphes.	

## INDEX FOR SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS

## Adopted January 1, 2024

This index contains a listing of SUPPLEMENTAL SPECIFICATIONS, frequently used RECURRING SPECIAL PROVISIONS, and LOCAL ROADS AND STREETS RECURRING SPECIAL PROVISIONS.

ERRATA Standard Specifications for Road and Bridge Construction (Adopted 1-1-22) (Revised 1-1-24)

## SUPPLEMENTAL SPECIFICATIONS

Std. Spe	ec. Sec. P	age No.
202	Earth and Rock Excavation	1
204	Borrow and Furnished Excavation	
207	Porous Granular Embankment	3
211	Topsoil and Compost	
407	Hot-Mix Asphalt Pavement (Full-Depth)	5
420	Portland Cement Concrete Pavement	6
502	Excavation for Structures	7
509	Metal Railings	
540	Box Culverts	9
542	Pipe Culverts	
586	Granular Backfill for Structures	
630	Steel Plate Beam Guardrail	35
644	High Tension Cable Median Barrier	
665	Woven Wire Fence	
782	Reflectors	
801	Electrical Requirements	40
821	Roadway Luminaires	
1003	Fine Aggregates	
1004	Coarse Aggregates	45
1010	Finely Divided Minerals	
1020	Portland Cement Concrete	47
1030	Hot-Mix Asphalt	
1061	Waterproofing Membrane System	49
1067	Luminaire	50
1097	Reflectors	57



## **Check Sheet for Recurring Special Provisions**

Local Public Agency	County	Section Number
St. Clair County Transit District	IIST CIQIF	2024 SCCTD Bike Trail 159 Bridge Deck Replacement
☐ Check this box for lettings prior to 01/01/2024.		

The Following Recurring Special Provisions Indicated By An "X" Are Applicable To This Contract And Are Included By Reference:

## **Recurring Special Provisions**

Cho	ak Chaat #	- Nosaining Operator - Townstone	Dogo No
<u>Cned</u> 1	ck Sheet #	Additional State Requirements for Federal-Aid Construction Contracts	<u>Page No.</u> 59
2		·	62
		Subletting of Contracts (Federal-Aid Contracts)	
3 4		EEO Specific EEO Responsibilities Non Federal-Aid Contracts	63 73
			73 78
5 6		Required Provisions - State Contracts Asbestos Bearing Pad Removal	78 84
7		Asbestos Waterproofing Membrane and Asbestos HMA Surface Removal	85
8		· · · · · · · · · · · · · · · · · · ·	86
		Temporary Stream Crossings and In-Stream Work Pads Construction Layout Stakes	87
9			90
10 11		Use of Geotextile Fabric for Railroad Crossing Subsealing of Concrete Pavements	92
12		Hot-Mix Asphalt Surface Correction	96
13		·	98
14		Pavement and Shoulder Resurfacing Patching with Hot-Mix Asphalt Overlay Removal	99
15		Polymer Concrete	101
16		Reserved	103
17		Bicycle Racks	103
		•	106
18 19		Temporary Portable Bridge Traffic Signals  Nighttime Inspection of Roadway Lighting	108
20		English Substitution of Metric Bolts	109
21		Calcium Chloride Accelerator for Portland Cement Concrete	110
22		Quality Control of Concrete Mixtures at the Plant	111
23		Quality Control/Quality Assurance of Concrete Mixtures	119
23 24		Reserved	135
25		Reserved	136
26		Temporary Raised Pavement Markers	137
27		Restoring Bridge Approach Pavements Using High-Density Foam	138
28		Portland Cement Concrete Inlay or Overlay	141
29			145
30		Portland Cement Concrete Partial Depth Hot-Mix Asphalt Patching  Longitudinal Joint and Crack Patching	148
31		•	150
31 32		Concrete Mix Design - Department Provided	150
32		Station Numbers in Pavements or Overlays	101

Local Public Agency

County

Section Number

St. Clair County Transit District

St. Clair

St. Clair

St. Clair

St. Clair

The Following Local Roads And Streets Recurring Special Provisions Indicated By An "X" Are Applicable To This Contract And Are Included By Reference:

### Local Roads And Streets Recurring Special Provisions

<u>Checl</u>	k Sheet #	<u>#</u>	<u>Page No.</u>
LRS 1		Reserved	153
LRS 2		Furnished Excavation	154
LRS 3	$\boxtimes$	Work Zone Traffic Control Surveillance	155
LRS 4	$\boxtimes$	Flaggers in Work Zones	156
LRS 5	$\boxtimes$	Contract Claims	157
LRS 6	$\boxtimes$	Bidding Requirements and Conditions for Contract Proposals	158
LRS 7		Bidding Requirements and Conditions for Material Proposals	164
LRS 8		Reserved	170
LRS 9		Bituminous Surface Treatments	171
LRS 10		Reserved	175
LRS 11	$\boxtimes$	Employment Practices	176
LRS 12	$\boxtimes$	Wages of Employees on Public Works	178
LRS 13	$\boxtimes$	Selection of Labor	180
LRS 14		Paving Brick and Concrete Paver Pavements and Sidewalks	181
LRS 15	$\boxtimes$	Partial Payments	184
LRS 16	$\boxtimes$	Protests on Local Lettings	185
LRS 17	$\boxtimes$	Substance Abuse Prevention Program	186
LRS 18		Multigrade Cold Mix Asphalt	187
LRS 19		Reflective Crack Control Treatment	188

## SPECIAL PROVISIONS TABLE OF CONTENTS

PROJECT LOCATION	1
DESCRIPTION OF WORK	1
GENERAL	1
EXAMINATION OF SITE	1
PREQUALIFICATION	1
CONTRACT ADMINISTRATOR	1
PROJECT COORDINATION	2
PERMITTING	2
COOPERATION WITH DISTRICT 8 OPERATIONS	2
COMPLETION DATE	2
DECK REMOVAL	2
DECK REPLACEMENT	2
INVOICES	2
RETAINAGE	3
PROJECT LABOR AGREEMENT (PLA) AND PREVAILING WAGES	3
TRAFFIC CONTROL PLAN	3
DISPOSAL OF MATERIALS	3
CONSTRUCTION LAYOUT	3
EQUIPMENT AND MATERIAL STORAGE	4
UNDERGROUND FACILITIES, STRUCTURES, AND UTILITIES	4
PROTECTION OF EXISTING FACILITIES	4
INDEMNIFICATION	4
SAFETY AND PROTECTION	5
CONFLICTS WITH PERSONNEL	6
COMPENSABLE DELAY COSTS (BDE)	7
INSURANCE (LR107-4)	11
VEHICLE AND EQUIPMENT WARNING LIGHTS	12
WORK ZONE TRAFFIC CONTROL DEVICES (BDE)	13
TRAFFIC CONTROL AND PROTECTION STANDARD 701101	15
TRAFFIC CONTROL AND PROTECTION STANDARD 701106	16
TRAFFIC CONTROL AND PROTECTION STANDARD 701602	17
TRAFFIC CONTROL AND PROTECTION STANDARD 701701	21
TRAFFIC CONTROL AND PROTECTION STANDARD 701901	22
EXISTING STRUCTURE PLANS	25

## **SPECIAL PROVISIONS**

## 2024 SCCTD Bike Trail 159 Bridge Deck Replacement

The following Special Provisions supplement the "Standard Specifications for Road and Bridge Construction", latest edition in effect on the date of the invitation for bids, as adopted by the Illinois Department of Transportation (IDOT) and the Supplemental Specifications and Recurring Special Provisions adopted therewith, and the "Illinois Manual on Uniform Traffic Control Devices for Streets and Highways" latest edition in effect on the date of the invitation for bids, shall apply to and govern the construction of the above designated project. In case of conflict with any part, or parts, of said specifications, these special provisions shall take precedence over the Standard Specifications and inserted special provisions.

All references to Department and Engineer in the "Standard Specifications for Road and Bridge Construction" shall be defined as the St. Clair County Transit District or their authorized representative.

**PROJECT LOCATION:** The project is located at the structure carrying MetroBikeLink over IL Rt 159 in Swansea, Illinois and adjacent to the MetroLink Rail.

**DESCRIPTION OF WORK:** The proposed project consists of the complete removal and replacement of the existing pressure treated timber deck and nailers, including all carriage bolts, self-drilling screws, neoprene rubber barrier, and any other work necessary to complete the project as described.

**GENERAL:** The Contractor shall furnish all labor, materials, and equipment to complete the work as described in accordance with these special provisions and the applicable sections of the IDOT Standard Specifications for Road and Bridge Construction.

**EXAMINATION OF SITE:** The Contractor shall be responsible for completing any necessary site inspections prior to submitting a bid on this project. Upon receipt of a bid, it shall be assumed that the Contractor is fully familiar with the project site and the work to be completed.

**PREQUALIFICATION:** The Contractor shall be prequalified through IDOT.

**CONTRACT ADMINISTRATOR:** The St. Clair County Transit District or its authorized representative will be the assigned Contract Administrator of this contract. This individual will be the point of contact for the Contractor regarding any issues or concerns relating to the contract. The Contract Administrator will also be responsible for scheduling site visits with the Contractor, reviewing sites for completion, enforcement of contract provisions and the receipt of invoices asprovided by the Contractor. The Contractor will be provided contact information for the ContractAdministrator upon award of the contract and will be subsequently notified should the administrator change during the life of the contract.

**PROJECT COORDINATION:** A mandatory pre-construction meeting shall be scheduled within one week of contract ratification between the Contractor and the St. Clair County Transit District. All work will be scheduled through the St. Clair County Transit District Director of Facilities. Contractor must present a preliminary work schedule at the pre-construction meeting. The St. Clair County Transit District will have progress meetings, if necessary, which shall be held at the St. Clair County Transit District Office.

**PERMITTING:** The Contractor shall be required to obtain any necessary permits to complete the project prior to beginning work.

**COOPERATION WITH IDOT DISTRICT 8 OPERATIONS:** Prior to beginning work activities, the Contractor will be required to obtain authorization from the Illinois Department of Transportation for work within their right-of-way. The Contractor shall contact and coordinate all necessary safety and flagging requirements with the Permits Unit Chief or their representative while working within the IDOT right of way.

Ms. RuAnna Stumpf IDOT D8 Permits Unit Chief 1102 Eastport Plaza Drive Collinsville, IL 62234 Phone (618) 346-3280 Email ruanna.stumpf@illinois.gov

**COMPLETION DATE:** The Contractor shall complete all work by November 15, 2024. No work shall be completed until a respective notice to proceed is provided by the St. Clair County Transit District.

**DECK REMOVAL:** This work shall consist of removal and disposal of the existing pressure treated timber deck planks, guardrail, and nailers, including all carriage bolts, washers, and nuts, self-drilling screws, and neoprene rubber barrier and washers in accordance with the applicable portions of Section 501 of the Standard Specifications.

**DECK REPLACEMENT:** This work shall consist of replacement of the pressure treated timber deck planks and nailers, including all carriage bolts, washers, and nuts, self-drilling screws, and neoprene rubber barrier and washers. This work will be done in accordance with the applicable portions of Section 507 of the Standard Specifications and as detailed in the original construction plans and notes. All material to be used shall meet or exceed the requirements as outlined in the original project bridge plans included as part of these bid documents.

**INVOICES:** The St. Clair County Transit District will pay all Contractor submitted invoices on a monthly basis. The St. Clair County Transit District will have 72 hours to inspect the project site before any submitted invoice is processed for payment. Under no circumstances will the Contract Administrator be authorized to pre-pay for work prior to completion or for the partial completion of work. Invoice templates shall follow the standard AIA form. The Contract Administrator can provide a template upon request. If the Contractor elects to use their own invoice, then said invoice shall include the following

features: invoice number, invoice date, individual listing of project site with corresponding cost and account reference along with the date the work was completed. Invoices shall be emailed to the St. Clair County Transit District Office via email provided to the Contractor. All invoices submitted shall be paid **Net 30**.

**RETAINAGE:** To further assure timely completion of the work, restoration, and clean-up of the project site, 10% of the payment due to the Contractor shall be retained until the project is successfully completed and all punch list items are adequately addressed.

PROJECT LABOR AGREEMENT (PLA) AND PREVAILING WAGES: A PLA shall be required for this project and no less than the prevailing rate of wages, as determined in accordance with the Illinois Prevailing Wage Act, shall be paid to all laborers, operators, teamsters, masons, plumbers, and any workmen employed in the accomplishment of this project. On site wage interviews may be conducted periodically to assure compliance with the prevailing wage rates. At the time of each payment request, the Contractor must submit copies of weekly payrolls as proof of compliance with prevailing wage rates. Payment will not be made without submittal of this documentation and full compliance with the prevailing wage rates. For additionalinformation, please visit the Illinois Department of Labor's Web Site at <a href="https://www2.illinois.gov/idol">https://www2.illinois.gov/idol</a>.

**TRAFFIC CONTROL PLAN:** Traffic control shall be in accordance with the applicable sections of the Standard Specifications for Road and Bridge Construction, the applicable guidelines contained in the National Manual on Uniform Traffic Control Devices for Streets and Highways, Illinois Supplement to the National Manual on Uniform Traffic Control Devices, these Special Provisions, and any special details and Highway Standards contained herein. Traffic Control shall be as required by IDOT District 8 Operations.

Special attention is called to Articles 107.09 and 107.14 of the Standard Specifications for Road and Bridge Construction and the following highway standards relating to traffic control:

701101 701106 701602 701701 701901

In addition, the following Special Provision(s) will also govern traffic control for this project:

Vehicle and Equipment Warning Lights Work Zone Traffic Control Devices

**DISPOSAL OF MATERIALS:** All materials for disposal shall be removed from the site and properly disposed of at locations provided by the Contractor. The cost for doing this work shall be included in the bid prices and no additional compensation will be allowed.

**CONSTRUCTION LAYOUT:** The Contractor shall furnish and provide all construction layout and perform all work necessary to remove and replace the existing wood deck and nailers and construct the work as outlined and shown on the plans. The Contractor will be provided adequate reference points to the centerline of survey or other control points as applicable, along with benchmarks to be used during construction.

The Contractor shall provide field forces, equipment, and material to perform the entire layout for the work, set additional stakes, reference points, and any other horizontal or vertical controls, including supplementary benchmarks, necessary to secure a correct layout of the work.

The Contractor shall be responsible for having the finished work conform to the lines, grades, elevations, and dimensions called for in the plans. Any inspection or checking of the Contractor's layout by the Transit District or their agent and the acceptance of all or any part of it shall not reliever the Contractor of his/her responsibility to secure the proper dimensions, grades, and elevations of the several parts of the work. The Contractor shall exercise care in the preservation of stakes and benchmarks and shall have them reset when any are damaged, lost, displaced, removed, or otherwise obliterated.

Cost for this work shall be considered included in the costs of the various items of work being completed as part of the project and no additional compensation will be allowed.

**EQUIPMENT AND MATERIAL STORAGE:** The Contractor shall use staging locations as to not create an unsafe work area. No other sites shall be used by the Contractor without written approval of the St. Clair County Transit District.

**UNDERGROUND FACILITIES, STRUCTURES, AND UTILITIES:** It is the Contractor's responsibility to determine the existence and location of all underground facilities, structures, and utilities and to protect them from damage during construction.

**PROTECTION OF EXISTING FACILITIES:** The Contractor shall maintain and protect all existing facilities, both on-site and off-site, including but not limited to utilities, roadways, trees, tree limbs, landscaping, lawns, and buildings which are not scheduled for removal or replacement under this project. The Contractor shall provide any required sheeting, shoring, covering or other means and methods to protect existing facilities. The Contractor shall bear all costs and make all arrangements to repair or replace, any existing facility, both on-site and off-site, damaged as a result of construction, which is not scheduled for removal or replacement as part of this project.

INDEMNIFICATION: To the fullest extent permitted by law, the Contractor shall indemnify and hold harmless the St. Clair County Transit District, all commissioners of the St. Clair County Board, and agents and employees of any of them from and against all claims, damages, losses and expenses, direct, indirect or consequential (including but not limited to fees and charges of the St. Clair County Transit District's architects, attorneys and other professionals and court andarbitration costs) arising out of or resulting from the performance of the work, provided that any such claim, damage, loss or expense (a) is attributable to bodily injury, sickness, disease or death, or to injury to or destruction of tangible property (other than the work itself) including the loss of use resulting therefrom and (b) is caused in whole or in part by any negligent act or omission of the Contractor, any subcontractor, any person or organization directly or indirectly employed by any of them to perform or furnish any of the work or anyone for whose acts any of them may be liable, regardless of whether or not such claim, damage, loss or expense is caused in part by a party indemnified

hereunder or arises by or is imposed by laws and regulations regardless of the negligence of any such party.

In any and all claims against the St. Clair County Transit District or any of their consultants, agents, or employees by any employee of the Contractor, any subcontractor, any person or organization directly or indirectly employed by any of them to perform or furnish any Work or anyone for whose acts any of them may be liable, the indemnification obligation under paragraph A shall not be limited in any way by any limitation on the amount or type of damages, compensation or benefits payable by or for the Contractor or any such subcontractor or other person or organization under workers' or workmen's compensation acts, disability benefit acts or other employee benefit acts.

The obligations of the Contractor shall not extend to the liability of the St. Clair County Transit District or their consultants, agents or employees arising out of the preparation or approval of maps, drawings, opinions, reports, surveys, change orders, designs, or specifications.

**SAFETY AND PROTECTION:** The Contractor shall be responsible for initiating, maintaining, and supervising all safety precautions and programs in connection with the project. The Contractor shall take all necessary precautions for the safety of, and shall provide the necessary protection to prevent damage, injury, or loss to:

- All employees on the project and other persons and organizations who may be affected thereby; and
- All work, materials, and equipment to be incorporated therein, whether in storage on or off the site: and
- Other property at the site adjacent thereto, including trees, shrubs, lawns, walks, pavements, roadways, structures, utilities, and underground facilities not designated for removal, relocation, or replacement in the course of construction.

The Contractor shall comply with all applicable Laws and Regulations of any public body having jurisdiction for the safety of persons and property or to protect them from damage, injury or loss; and shall erect and maintain all necessary safeguards for such safety and protection. The Contractor shall notify owners of adjacent property and of underground facilities and utility owners when prosecution of the work may affect them and shall cooperate with them in the protection, removal, relocation, and replacement of their property. All damage, injury or loss to any property caused, directly or indirectly, in whole or in part, by the Contractor, any subcontractor, supplier or any other person or organization directly or indirectly employed by any of them to perform or furnish any of the work or anyone for whose acts either of them may be liable, shall be remedied by the Contractor (except damage or loss attributable to the fault of drawings or specifications or to the acts or omissions of the St. Clair County Transit District or anyoneemployed therein or anyone for whose acts either of them may be liable, and not attributable, directly or indirectly, in whole or in part, to the fault or negligence of the Contractor). The Contractor's duties and responsibilities for the safety and protection of the work shall continue until such time as all the Work is completed and the St. Clair County Transit District has issued a notice to the Contractor that the work is acceptable(except as otherwise expressly provided in connection with Substantial Completion).

The Contractor shall designate a responsible representative at the site whose duty shall be the prevention of accidents. This person shall be the Contractor's superintendent, unless otherwise designated in writing by the Contractor to the St. Clair County Transit District.

In emergencies affecting the safety or protection of persons or the work or property at the site or adjacent thereto, the Contractor, without special instructions or authorization from the St. Clair County Transit District, is obligated to act to prevent threatened damage, injury, or loss. The Contractor shall give the St. Clair County Transit District prompt, written notice if the Contractor believes that any significant changes in the work or variations from the contract documents have been caused thereby. If the St. Clair County Transit District determines that a change in the contract documents is required because of the action taken in response to an emergency, a work directive change or change order will be issued to document the consequences of the changes or variations.

**CONFLICTS WITH PERSONNEL:** Should a conflict between personnel of the Contractor and the St. Clair County Transit District escalate to the point that it hinders progress of the work and cannot be settled amicably, the Contractor personnel involved in the conflict shall be removed from the project. A personnel conflict shall not give cause for the Contractor to terminate this contract nor to pull employees from the active work site.

### COMPENSABLE DELAY COSTS (BDE)

Effective: June 2, 2017 Revised: April 1, 2019

Revise Article 107.40(b) of the Standard Specifications to read:

- "(b) Compensation. Compensation will not be allowed for delays, inconveniences, or damages sustained by the Contractor from conflicts with facilities not meeting the above definition; or if a conflict with a utility in an unanticipated location does not cause a shutdown of the work or a documentable reduction in the rate of progress exceeding the limits set herein. The provisions of Article 104.03 notwithstanding, compensation for delays caused by a utility in an unanticipated location will be paid according to the provisions of this Article governing minor and major delays or reduced rate of production which are defined as follows.
  - (1) Minor Delay. A minor delay occurs when the work in conflict with the utility in an unanticipated location is completely stopped for more than two hours, but not to exceed two weeks.
  - (2) Major Delay. A major delay occurs when the work in conflict with the utility in an unanticipated location is completely stopped for more than two weeks.
  - (3) Reduced Rate of Production Delay. A reduced rate of production delay occurs when the rate of production on the work in conflict with the utility in an unanticipated location decreases by more than 25 percent and lasts longer than seven calendar days."

Revise Article 107.40(c) of the Standard Specifications to read:

- "(c) Payment. Payment for Minor, Major, and Reduced Rate of Production Delays will be made as follows.
  - (1) Minor Delay. Labor idled which cannot be used on other work will be paid for according to Article 109.04(b)(1) and (2) for the time between start of the delay and the minimum remaining hours in the work shift required by the prevailing practice in the area.
    - Equipment idled which cannot be used on other work, and which is authorized to standby on the project site by the Engineer, will be paid for according to Article 109.04(b)(4).
  - (2) Major Delay. Labor will be the same as for a minor delay.

Equipment will be the same as for a minor delay, except Contractor-owned equipment will be limited to two weeks plus the cost of move-out to either the

Contractor's yard or another job and the cost to re-mobilize, whichever is less. Rental equipment may be paid for longer than two weeks provided the Contractor presents adequate support to the Department (including lease agreement) to show retaining equipment on the job is the most economical course to follow and in the public interest.

(3) Reduced Rate of Production Delay. The Contractor will be compensated for the reduced productivity for labor and equipment time in excess of the 25 percent threshold for that portion of the delay in excess of seven calendar days. Determination of compensation will be in accordance with Article 104.02, except labor and material additives will not be permitted.

Payment for escalated material costs, escalated labor costs, extended project overhead, and extended traffic control will be determined according to Article 109.13."

Revise Article 108.04(b) of the Standard Specifications to read:

- "(b) No working day will be charged under the following conditions.
  - (1) When adverse weather prevents work on the controlling item.
  - (2) When job conditions due to recent weather prevent work on the controlling item.
  - (3) When conduct or lack of conduct by the Department or its consultants, representatives, officers, agents, or employees; delay by the Department in making the site available; or delay in furnishing any items required to be furnished to the Contractor by the Department prevents work on the controlling item.
  - (4) When delays caused by utility or railroad adjustments prevent work on the controlling item.
  - (5) When strikes, lock-outs, extraordinary delays in transportation, or inability to procure critical materials prevent work on the controlling item, as long as these delays are not due to any fault of the Contractor.
  - (6) When any condition over which the Contractor has no control prevents work on the controlling item."

Revise Article 109.09(f) of the Standard Specifications to read:

"(f) Basis of Payment. After resolution of a claim in favor of the Contractor, any adjustment in time required for the work will be made according to Section 108. Any adjustment in the costs to be paid will be made for direct labor, direct materials, direct equipment, direct jobsite overhead, direct offsite overhead, and other direct costs allowed by the resolution. Adjustments in costs will not be made for interest charges, loss of anticipated profit, undocumented loss of efficiency, home office overhead and unabsorbed overhead

other than as allowed by Article 109.13, lost opportunity, preparation of claim expenses and other consequential indirect costs regardless of method of calculation.

The above Basis of Payment is an essential element of the contract and the claim cost recovery of the Contractor shall be so limited."

Add the following to Section 109 of the Standard Specifications.

"109.13 Payment for Contract Delay. Compensation for escalated material costs, escalated labor costs, extended project overhead, and extended traffic control will be allowed when such costs result from a delay meeting the criteria in the following table.

Contract Type	Cause of Delay	Length of Delay
Working Days	Article 108.04(b)(3) or Article 108.04(b)(4)	No working days have been charged for two consecutive weeks.
Completion Date	Article 108.08(b)(1) or Article 108.08(b)(7)	The Contractor has been granted a minimum two week extension of contract time, according to Article 108.08.

Payment for each of the various costs will be according to the following.

- (a) Escalated Material and/or Labor Costs. When the delay causes work, which would have otherwise been completed, to be done after material and/or labor costs have increased, such increases will be paid. Payment for escalated material costs will be limited to the increased costs substantiated by documentation furnished by the Contractor. Payment for escalated labor costs will be limited to those items in Article 109.04(b)(1) and (2), except the 35 percent and 10 percent additives will not be permitted.
- (b) Extended Project Overhead. For the duration of the delay, payment for extended project overhead will be paid as follows.
  - (1) Direct Jobsite and Offsite Overhead. Payment for documented direct jobsite overhead and documented direct offsite overhead, including onsite supervisory and administrative personnel, will be allowed according to the following table.

Original Contract Amount	Supervisory and Administrative Personnel
Up to \$5,000,000	One Project Superintendent
Over \$ 5,000,000 - up to \$25,000,000	One Project Manager, One Project Superintendent or Engineer, and One Clerk
Over \$25,000,000 - up to \$50,000,000	One Project Manager, One Project Superintendent, One Engineer, and

	One Clerk
Over \$50,000,000	One Project Manager,
	Two Project Superintendents,
	One Engineer, and
	One Clerk

- (2) Home Office and Unabsorbed Overhead. Payment for home office and unabsorbed overhead will be calculated as 8 percent of the total delay cost.
- (c) Extended Traffic Control. Traffic control required for an extended period of time due to the delay will be paid for according to Article 109.04.

When an extended traffic control adjustment is paid under this provision, an adjusted unit price as provided for in Article 701.20(a) for increase or decrease in the value of work by more than ten percent will not be paid.

Upon payment for a contract delay under this provision, the Contractor shall assign subrogation rights to the Department for the Department's efforts of recovery from any other party for monies paid by the Department as a result of any claim under this provision. The Contractor shall fully cooperate with the Department in its efforts to recover from another party any money paid to the Contractor for delay damages under this provision."

80384

## State of Illinois Department of Transportation Bureau of Local Roads and Streets

### SPECIAL PROVISION FOR **INSURANCE**

Effective: February 1, 2007 Revised: August 1, 2007

All references to Sections or Articles in this specification shall be construed to mean specific Section or Article of the Standard Specifications for Road and Bridge Construction, adopted by the Department of Transportation.

The Contractor shall name the following entities as additional insured under the Contractor's general liability insurance policy in accordance with Article 107.27:

St. Clair County Transit District, its elected and appointed officials, officers, agents and employees,
both individually and collectively
Bi-State Development Agency, its officers, commissioners, agents and employees
The entities listed above and their officers, employees, and agents shall be indemnified and

held harmless in accordance with Article 107.26.

### **VEHICLE AND EQUIPMENT WARNING LIGHTS (BDE)**

Effective: November 1, 2021 Revised: November 1, 2022

Add the following paragraph after the first paragraph of Article 701.08 of the Standard Specifications:

"The Contractor shall equip all vehicles and equipment with high-intensity oscillating, rotating, or flashing, amber or amber-and-white, warning lights which are visible from all directions. In accordance with 625 ILCS 5/12-215, the lights may only be in operation while the vehicle or equipment is engaged in construction operations."

80439

### WORK ZONE TRAFFIC CONTROL DEVICES (BDE)

Effective: March 2, 2020

Add the following to Article 701.03 of the Standard Specifications:

"(q) Temporary Sign Supports ......1106.02"

Revise the third paragraph of Article 701.14 of the Standard Specifications to read:

"For temporary sign supports, the Contractor shall provide a FHWA eligibility letter for each device used on the contract. The letter shall provide information for the set-up and use of the device as well as a detailed drawing of the device. The signs shall be supported within 20 degrees of vertical. Weights used to stabilize signs shall be attached to the sign support per the manufacturer's specifications."

Revise the first paragraph of Article 701.15 of the Standard Specifications to read:

"701.15 Traffic Control Devices. For devices that must meet crashworthiness standards, the Contractor shall provide a manufacturer's self-certification or a FHWA eligibility letter for each Category 1 device and a FHWA eligibility letter for each Category 2 and Category 3 device used on the contract. The self-certification or letter shall provide information for the set-up and use of the device as well as a detailed drawing of the device."

Revise the first six paragraphs of Article 1106.02 of the Standard Specifications to read:

"1106.02 Devices. Work zone traffic control devices and combinations of devices shall meet crashworthiness standards for their respective categories. The categories are as follows.

Category 1 includes small, lightweight, channelizing and delineating devices that have been in common use for many years and are known to be crashworthy by crash testing of similar devices or years of demonstrable safe performance. These include cones, tubular markers, plastic drums, and delineators, with no attachments (e.g. lights). Category 1 devices manufactured after December 31, 2019 shall be MASH-16 compliant. Category 1 devices manufactured on or before December 31, 2019, and compliant with NCHRP 350 or MASH 2009, may be used on contracts let before December 31, 2024.

Category 2 includes devices that are not expected to produce significant vehicular velocity change but may otherwise be hazardous. These include vertical panels with lights, barricades, temporary sign supports, and Category 1 devices with attachments (e.g. drums with lights). Category 2 devices manufactured after December 31, 2019 shall be MASH-16 compliant. Category 2 devices manufactured on or before December 31, 2019, and compliant with NCHRP 350 or MASH 2009, may be used on contracts let before December 31, 2024.

Category 3 includes devices that are expected to cause significant velocity changes or other potentially harmful reactions to impacting vehicles. These include crash cushions (impact

attenuators), truck mounted attenuators, and other devices not meeting the definitions of Category 1 or 2. Category 3 devices manufactured after December 31, 2019 shall be MASH-16 compliant. Category 3 devices manufactured on or before December 31, 2019, and compliant with NCHRP 350 or MASH 2009, may be used on contracts let before December 31, 2029. Category 3 devices shall be crash tested for Test Level 3 or the test level specified.

Category 4 includes portable or trailer-mounted devices such as arrow boards, changeable message signs, temporary traffic signals, and area lighting supports. It is preferable for Category 4 devices manufactured after December 31, 2019 to be MASH-16 compliant; however, there are currently no crash tested devices in this category, so it remains exempt from the NCHRP 350 or MASH compliance requirement.

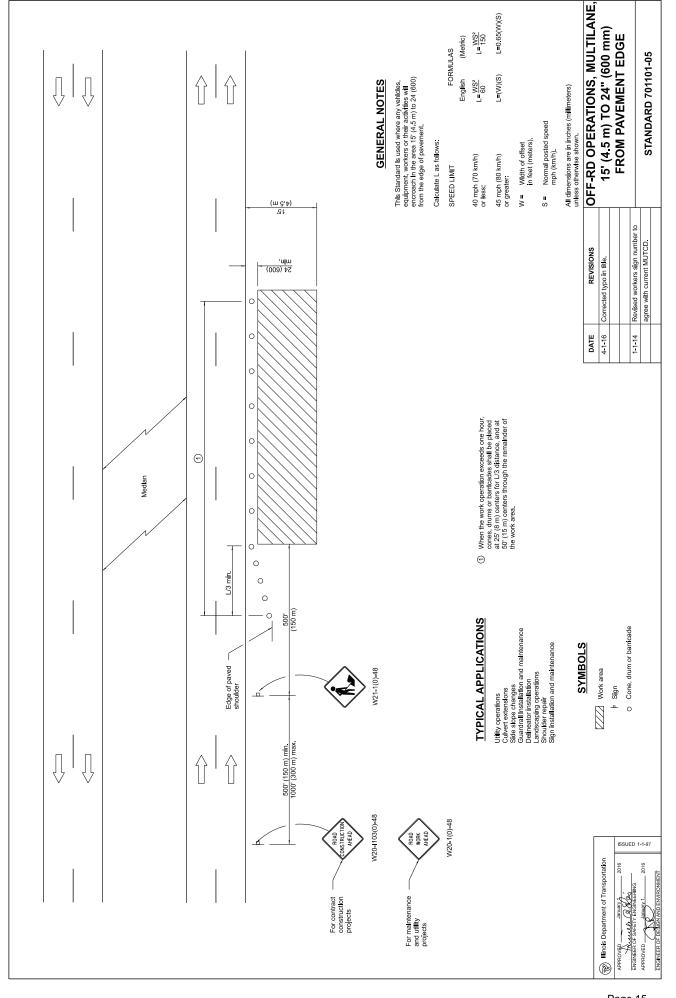
For each type of device, when no more than one MASH-16 compliant is available, an NCHRP 350 or MASH-2009 compliant device may be used, even if manufactured after December 31, 2019."

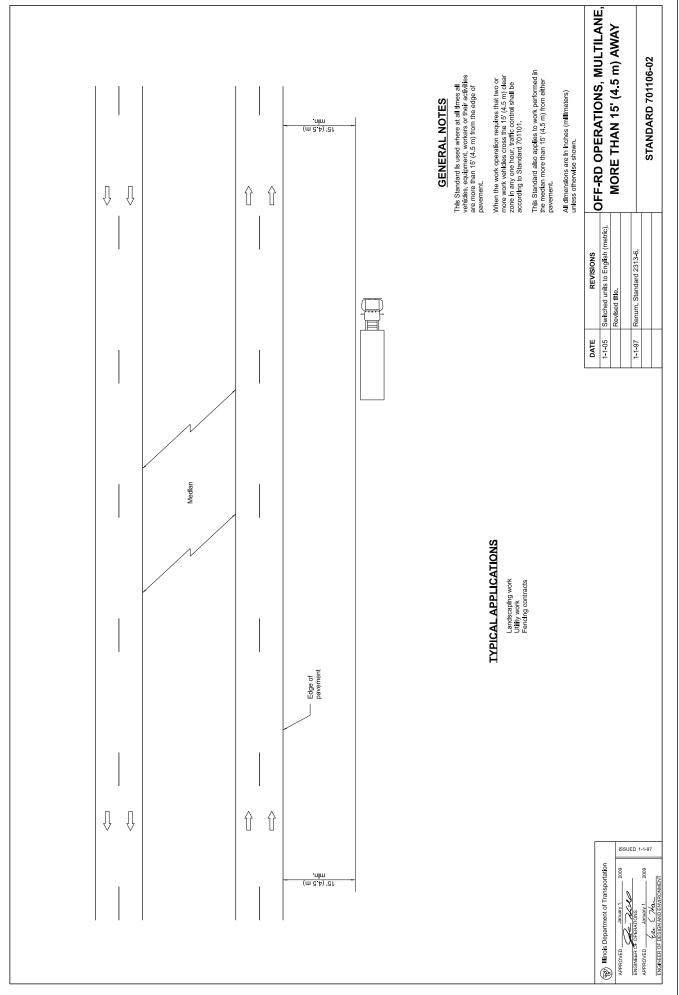
Revise Articles 1106.02(g), 1106.02(k), and 1106.02(l) to read:

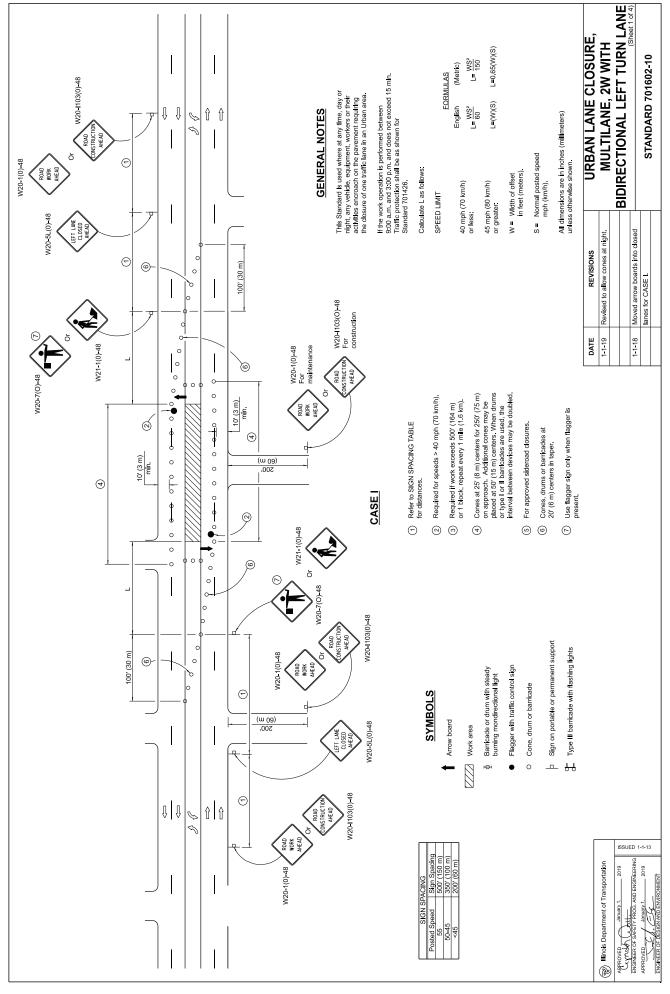
- "(g) Truck Mounted/Trailer Mounted Attenuators. The attenuator shall be approved for use at Test Level 3. Test Level 2 may be used for normal posted speeds less than or equal to 45 mph.
- (k) Temporary Water Filled Barrier. The water filled barrier shall be a lightweight plastic shell designed to accept water ballast and be on the Department's qualified product list.
  - Shop drawings shall be furnished by the manufacturer and shall indicate the deflection of the barrier as determined by acceptance testing; the configuration of the barrier in that test; and the vehicle weight, velocity, and angle of impact of the deflection test. The Engineer shall be provided one copy of the shop drawings.
- (I) Movable Traffic Barrier. The movable traffic barrier shall be on the Department's qualified product list.

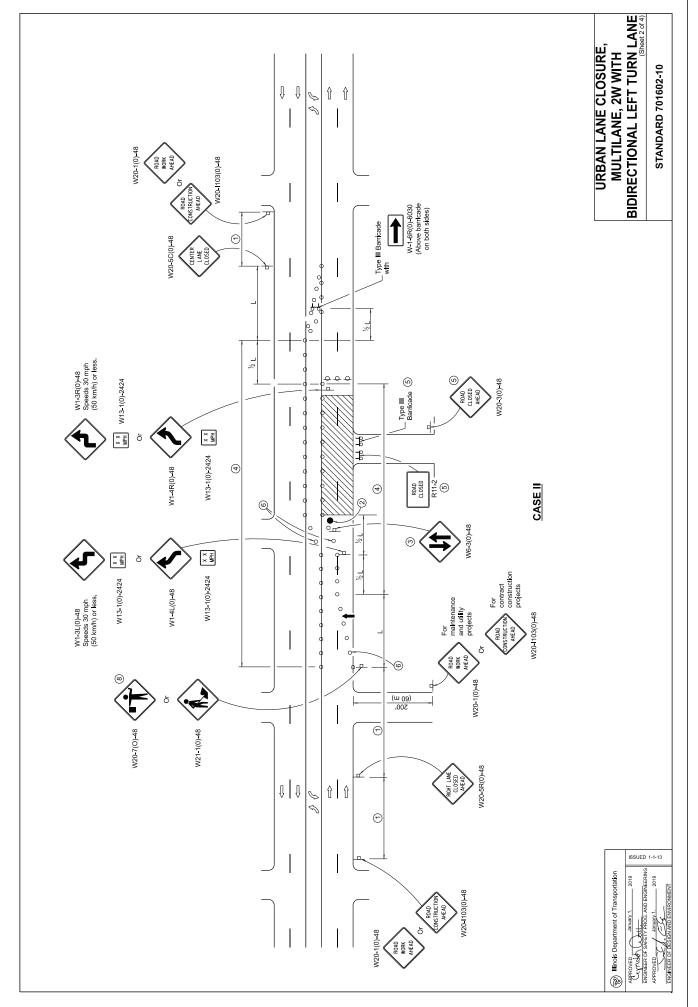
Shop drawings shall be furnished by the manufacturer and shall indicate the deflection of the barrier as determined by acceptance testing; the configuration of the barrier in that test; and the vehicle weight, velocity, and angle of impact of the deflection test. The Engineer shall be provided one copy of the shop drawings. The barrier shall be capable of being moved on and off the roadway on a daily basis."

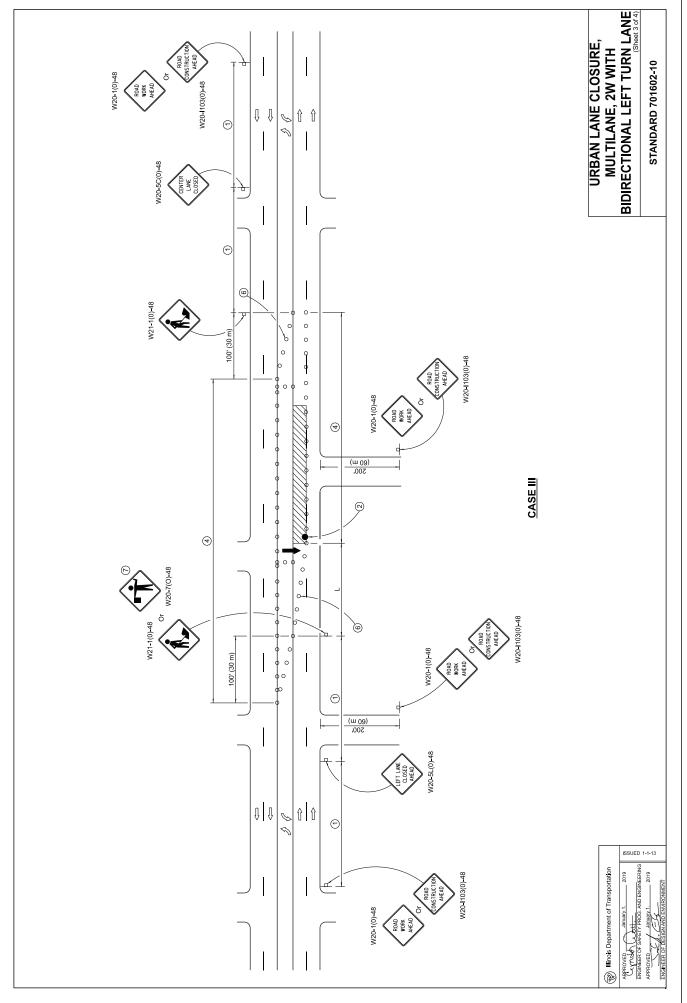
80427

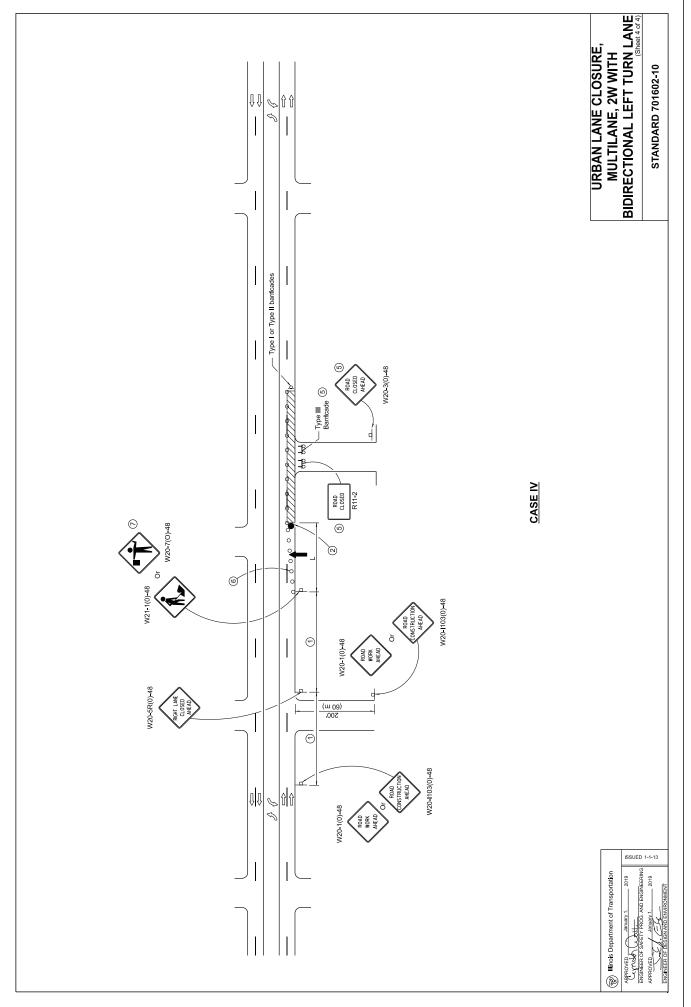


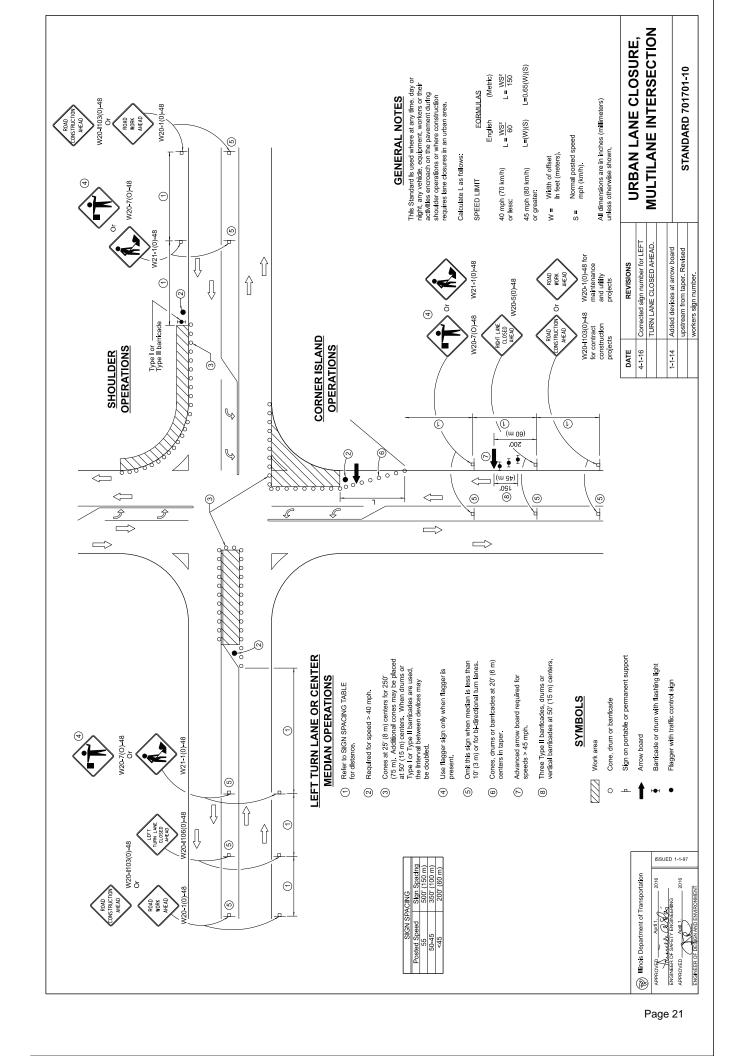


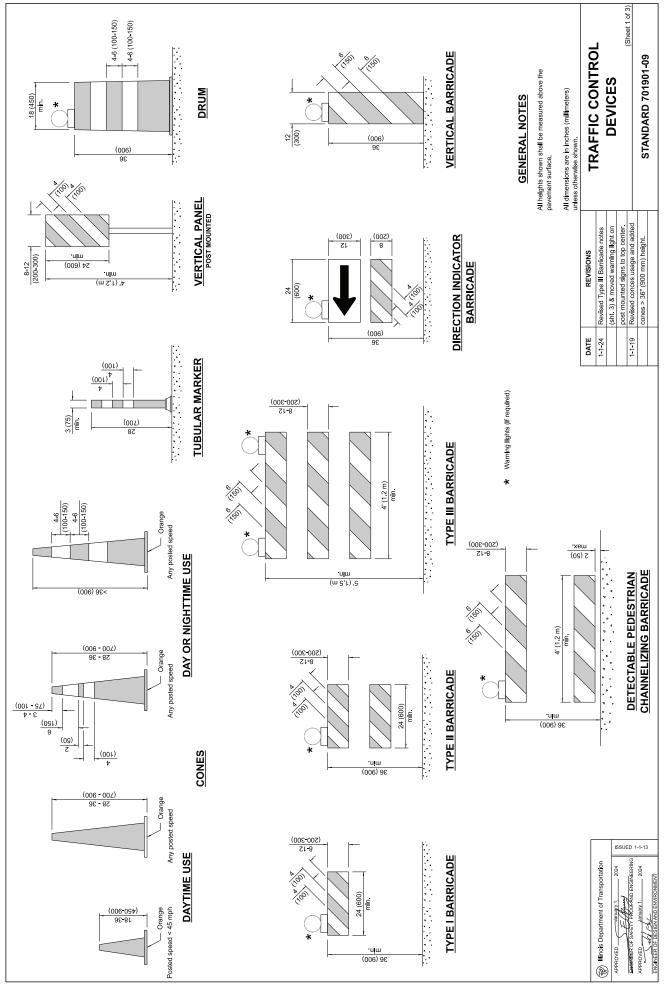


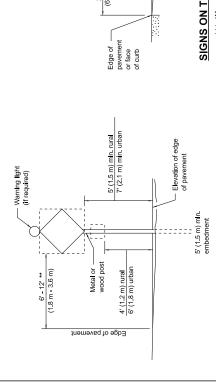






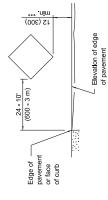






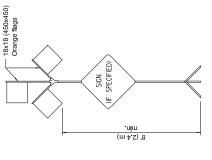
## POST MOUNTED SIGNS

When curb or paved shoulder are present this dimension shall be 24 (600) to the face of curb or 6' (1.8 m) to the outside edge of the paved shoulder.

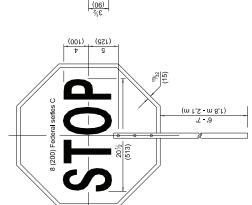


# SIGNS ON TEMPORARY SUPPORTS

\*\*\* When work operations exceed four days, this dimension shall be 5 (1,5 m) min. If located behind other devices, the height shall be suffident to be seen completely above the devices.



## HIGH LEVEL WARNING DEVICE



MILES

AHEAD

# (06) %E

# FLAGGER TRAFFIC CONTROL SIGN

REVERSE SIDE

FRONT SIDE

**WIDTH RESTRICTION SIGN** 

W12-1103-4848

XX'-XX" width and X miles are variable.

## END CONSTRUCTION CONSTRUCTION NEXT X MILES

This signing is required for all projects

G20-I105(0)-6024

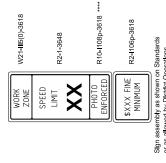
G20-I104(0)-6036

ROAD CONSTRUCTION NEXT X MILES sign shall be placed 500' (150 m) in advance of project limits. 2 mlles (3200 m) or more in length.

END CONSTRUCTION sign shall be erected at the end of the job unless another job Is within 2 miles (3200 m).

Dual sign displays shall be utilized on multilane highways.

## **WORK LIMIT SIGNING**



Sign assembly as shown on Standards or as allowed by District Operations.

(600)

(125)

(371)

1 ½(40)

WIDTH

MAX

(175)

(125)

24 (600)

G20-I103-6036 WORK ZONE SPEED LIMIT END

This sign shall be used when the above sign assembly is used.

## **HIGHWAY CONSTRUCTION** SPEED ZONE SIGNS

\*\*\*\* R10-108p shall only be used along roadways under the juristiction of the State.

## TRAFFIC CONTROL DEVICES

(Sheet 2 of 3)

STANDARD 701901-09

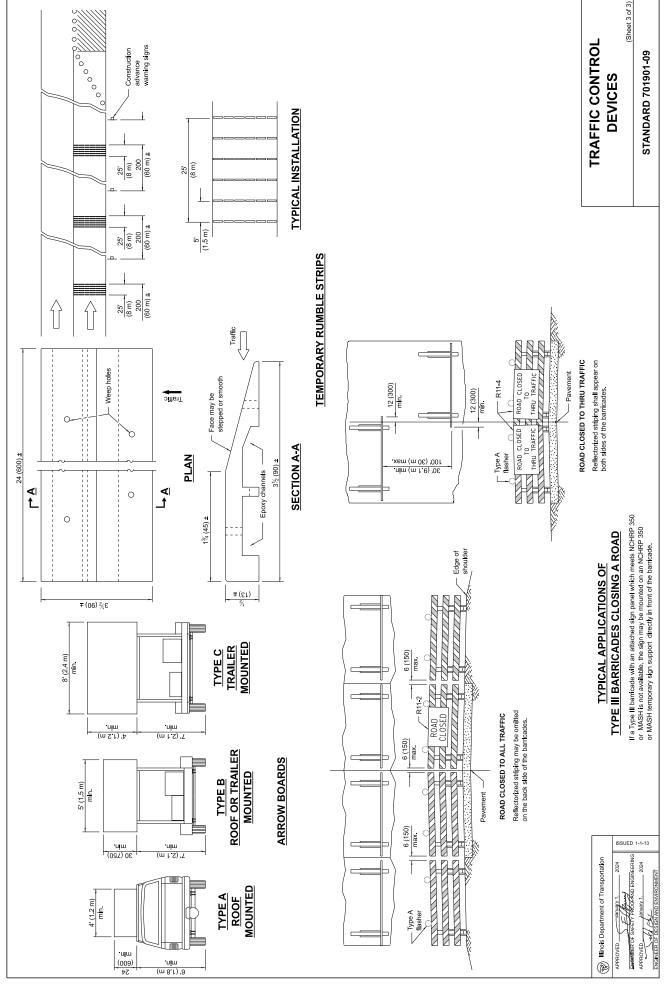
APPROVED Januagy 1, 2024

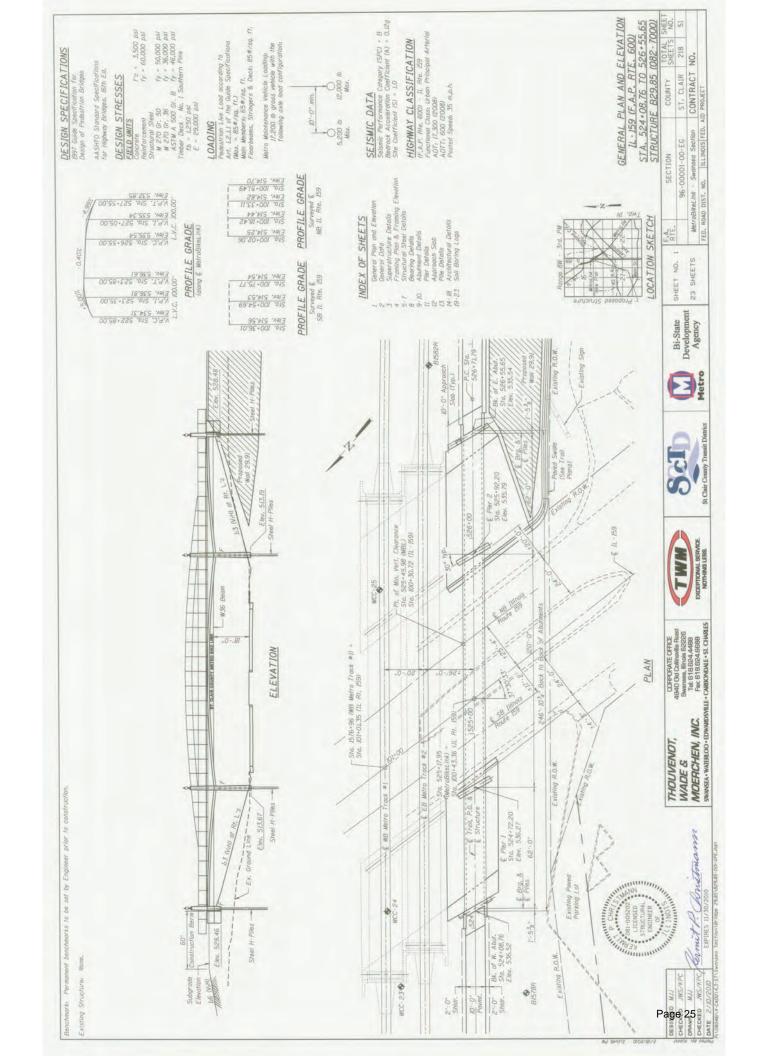
EMERGER OF SAFETY PROG-AND ENGINEERING

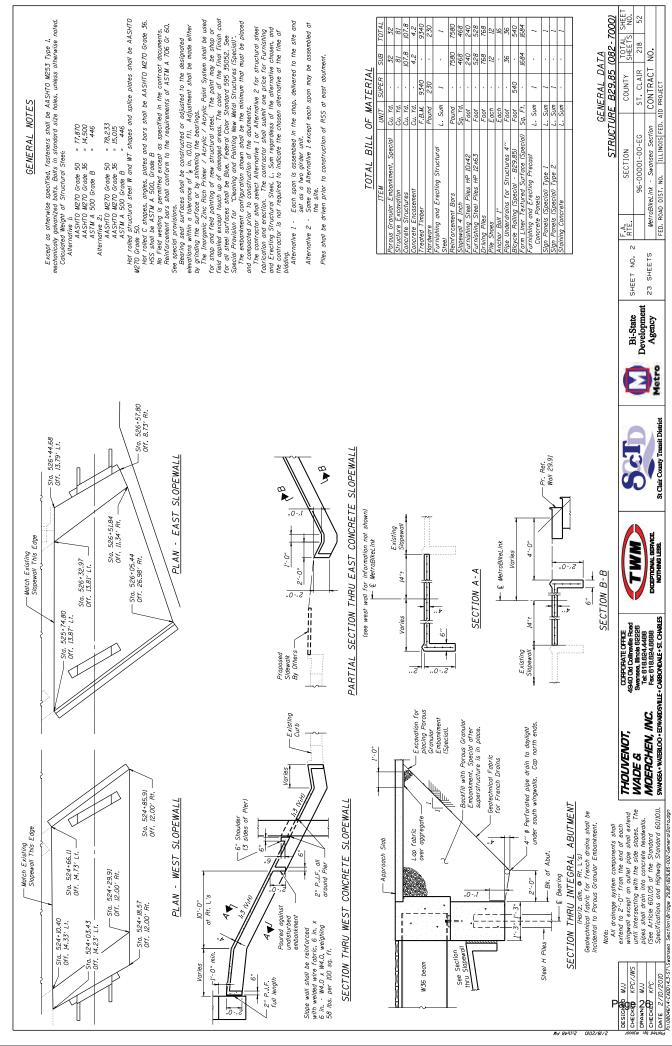
2024

ENGINEER OF DESIGN AND ENVIRONMENT

Illinois Department of Transportation





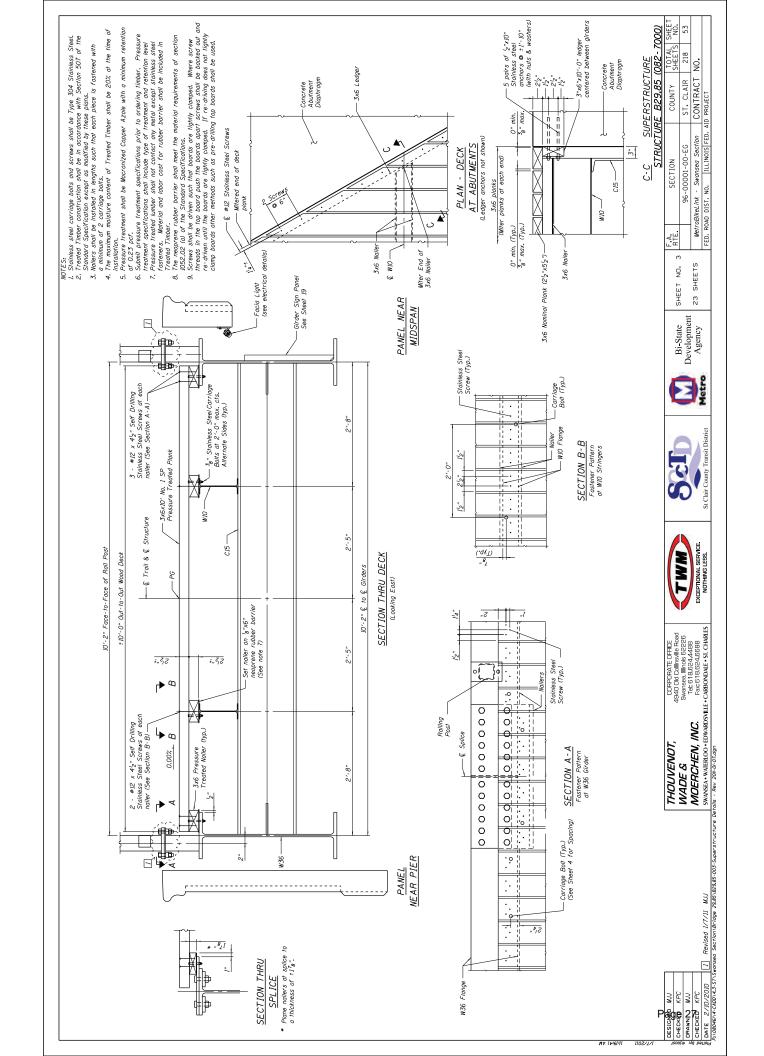


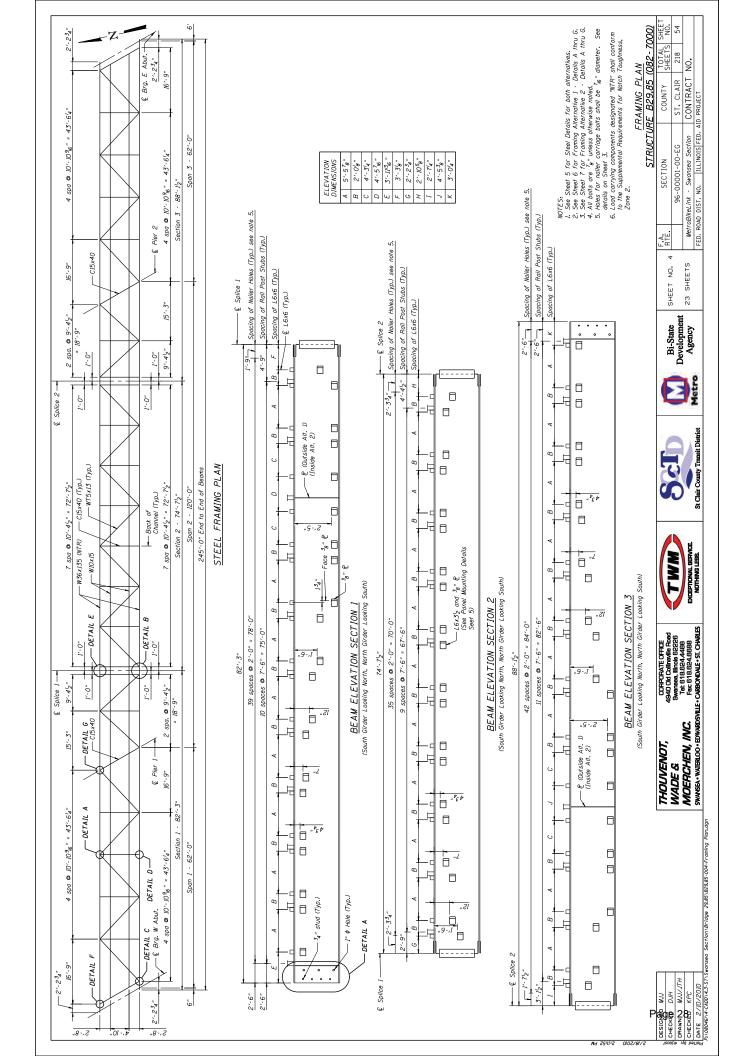
Except as otherwise specified. Tasteners shall be AASHTO M253 Type I, medionically governized routes. unless otherwise nated concluded weight of Structural Steel.

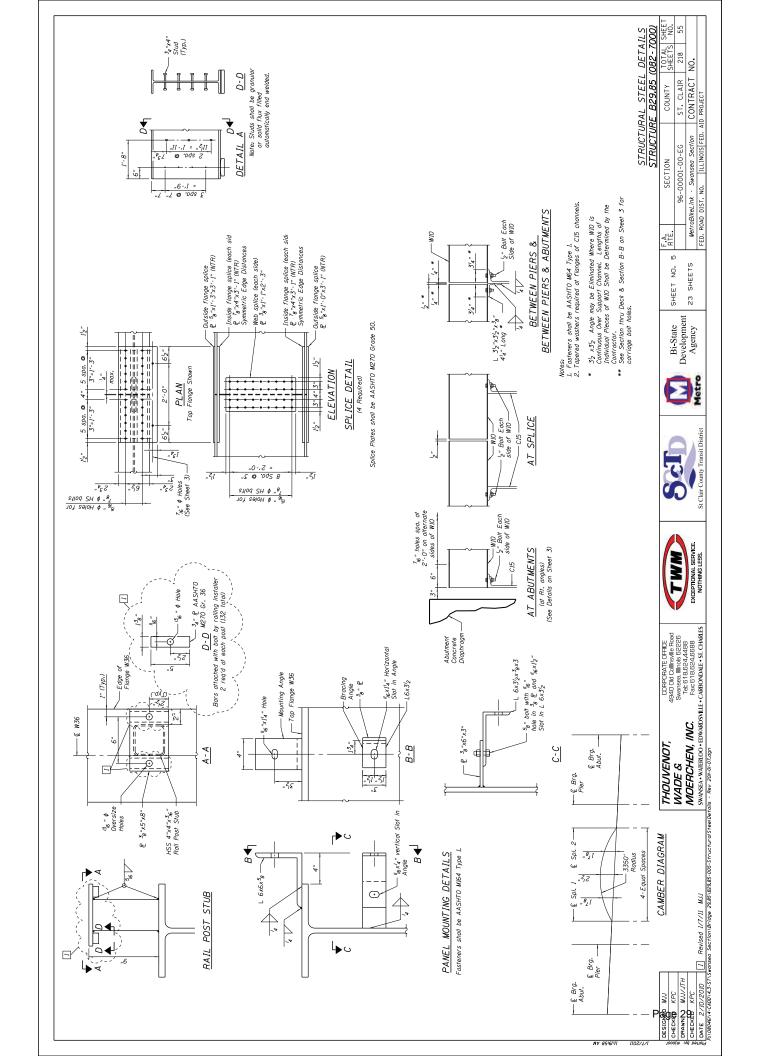
Porous Granular Embankment, Special	Cu. Yd.		32	32
Structure Excavation	Cu. Yd.		18	81
Concrete Structures	Cu. Yd.		8.701	107.8
Concrete Encasement	Cu. Yd.		4.2	4.2
Treated Timber	F.B.M.	9340		9340
Hardware	Pound	230		230
Furnishing and Erecting Structural Steel	L. Sum	I		I
Reinforcement Bars	Pound		7580	7580
Slopewall 4 Inch	Sq. Yd.		468	468
Furnishing Steel Piles HP 10x42	Foot		240	240
Furnishing Steel Piles HP 12x63	F007		258	528
Driving Piles	F007		892	89/
Pile Shoes	Each		21	12
Anchor Bolt I"	Each			91
Pipe Underdrains for Structures 4"	Foot		39	36
Bicycle Railing (Special - B29.85)	F007	540		540
Form Liner Textured Surface (Special)	Sq. Ft.		1684	1684
Furnishing and Erecting Precast	l Sum	1		,
Concrete Panels		,		,
Sign Panels (Special) Type 1	L. Sum	I		I
Sign Panels (Special) Type 2	L. Sum	1		1
Staining Concrete	L. Sum			I

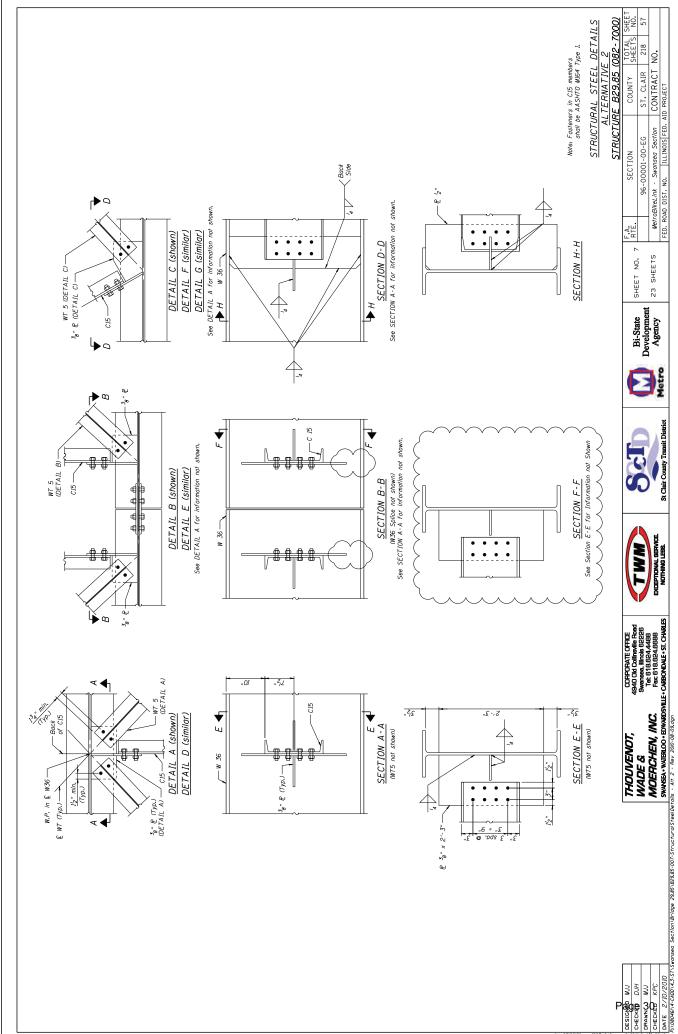
### GENERAL DATA

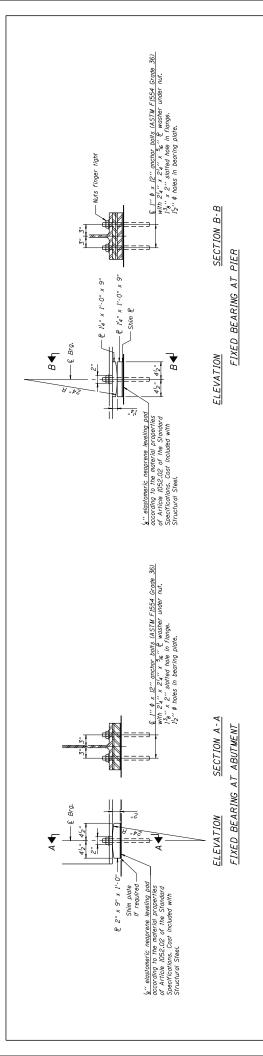
		<u>STRUCTUR</u>	STRUCTURE B29.85 (082-7000)	(082 - 70	9	
٨	F.A. RTE.	SECTION	COUNTY	TOTAL SHEET SHEETS NO.	SHEET NO.	
,		96-00001-00-EG	ST. CLAIR	218	52	
	Mate	Matter Dital late Consessed Conting	ON TOAGTIAGO	O.A.		











Motes:
Anchor boils shall be ASTM FIBS4 all-thread for an Anchor boils shall be ASTM FIBS4 all-thread for an Engineer-approved alternate material) of the grades?
and diameterls specified. ASTM ASTO Grade 50 onchor boils any be used in lieu of ASTM FIBS4.
Grade 36 (Fy-364s). The corresponding specified grade of AASTM DAST annow boils any be used in lieu of ASTM FIBS4.
Anchor boils at Islad endings may be either cast in place or installed in holes drilled after the supported member is in place.
D'inled and set anexib boils shall be installed according to Article 52,166 of the Standard Specifications.
Two 8 in adjusting shims shall be provided for each bearing in addition to all other picties or shims and placed as shown on bearing details.

BILL OF MATERIAL

Total	91	
Unit	Each	
Item	Anchor Bolt I"	

BEARING DETAILS STRUCTURE B29.85 (082-7000)

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Bi-State	Development Agency
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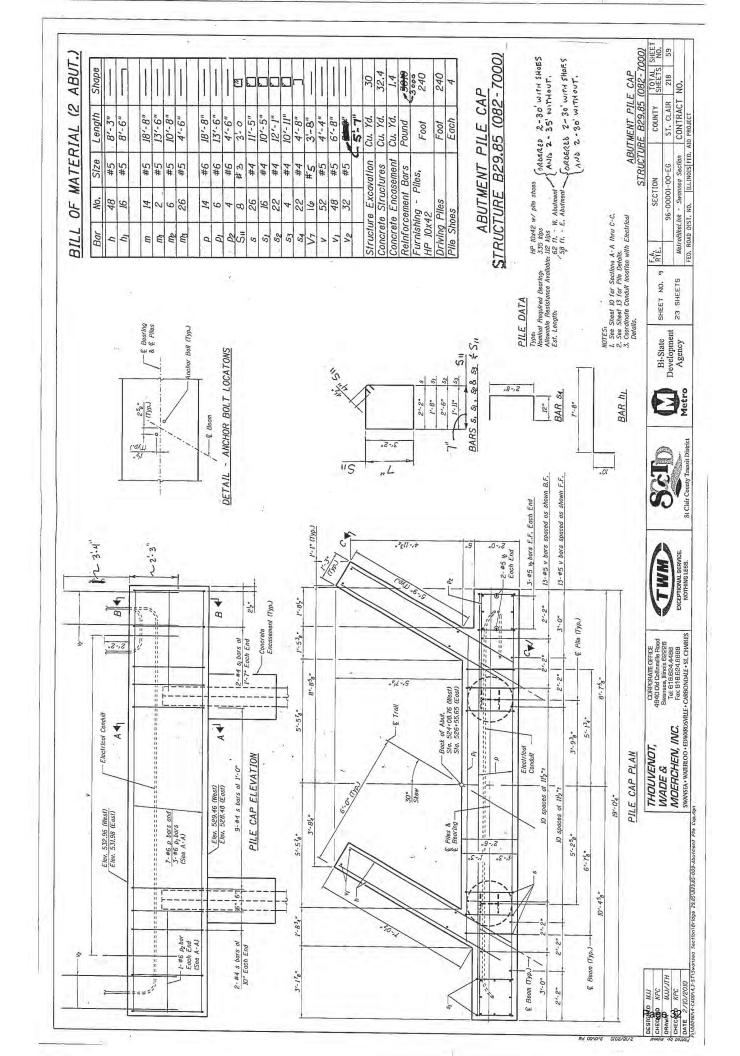
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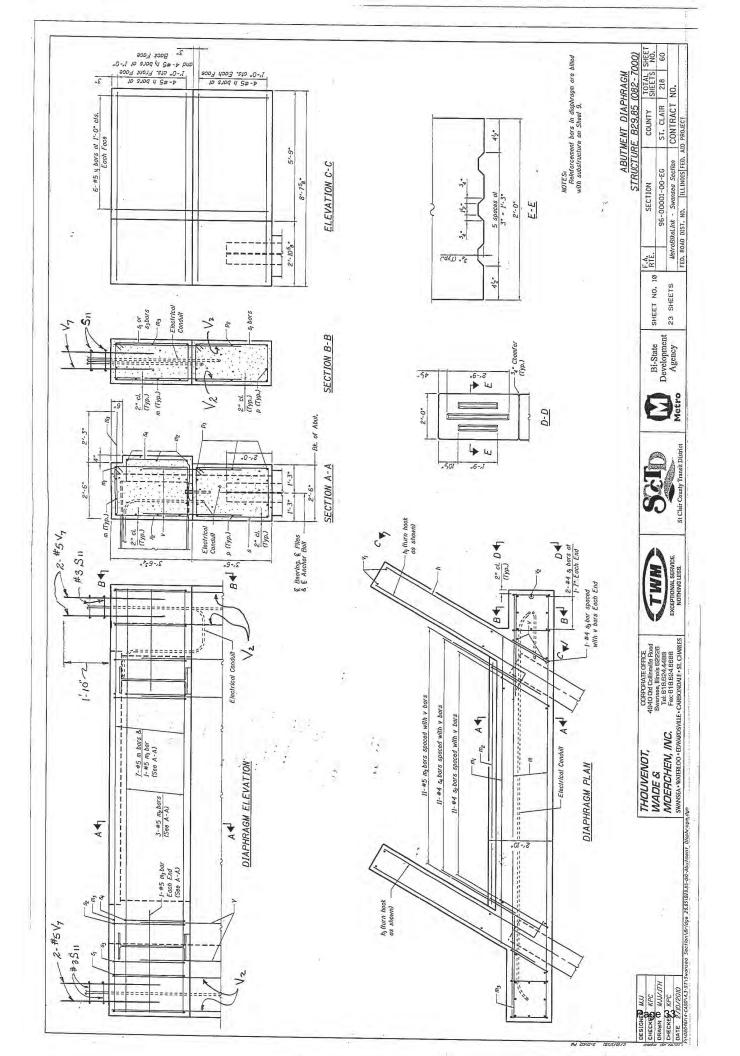


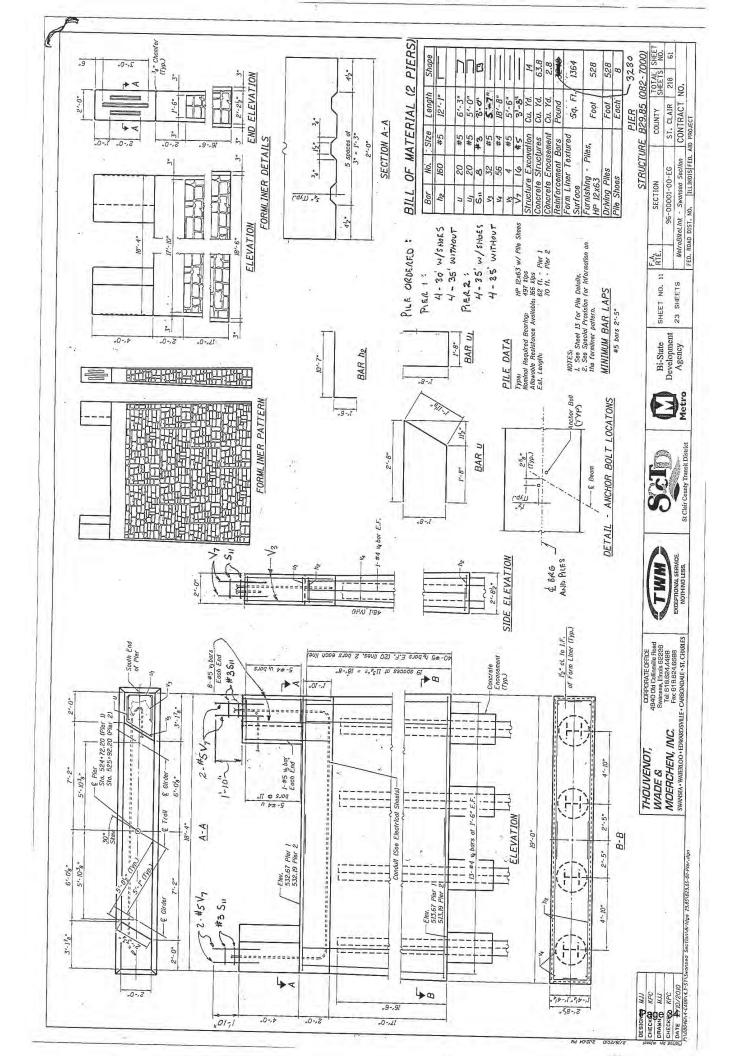


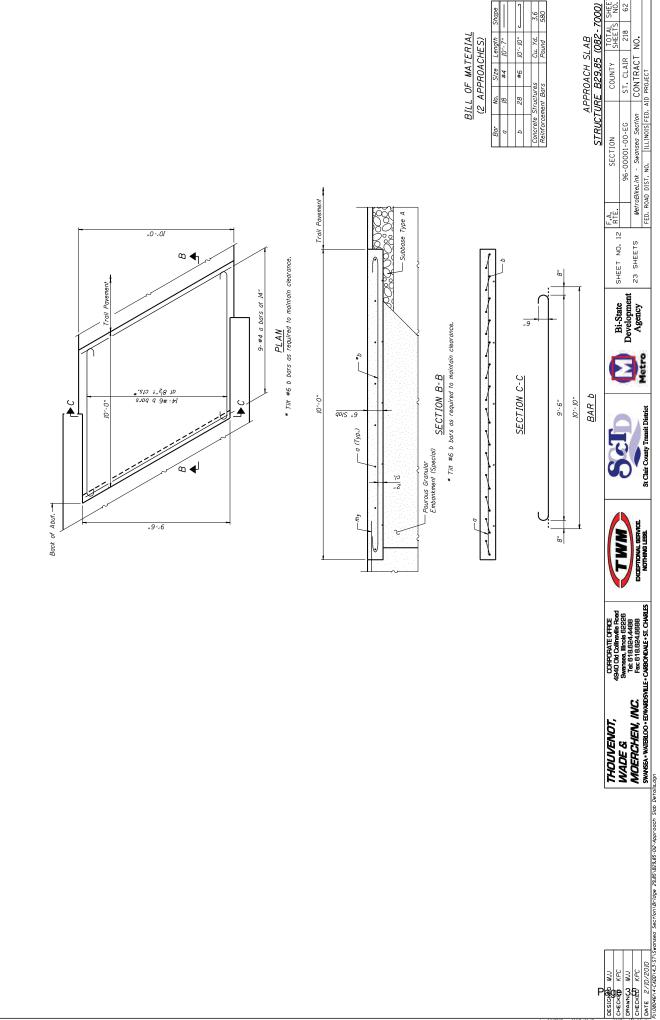
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SHEFT		23 SHEETS	
	ent.		

SHEET NO. 8	F.A. RTE.	NOILOS	NOI	COUNTY	TOTAL SHEET SHEETS NO.	SHEET NO.
		96-0001-00-EG	-00-EG	ST. CLAIR	218	58
23 SHEETS	Metr	MetroBikeLink - Swansea Section	sea Section	CONTRACT NO.	NO.	
	FED. RC	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	D PROJECT		





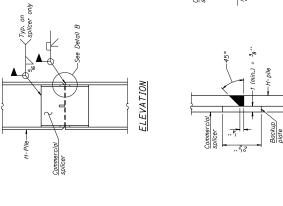


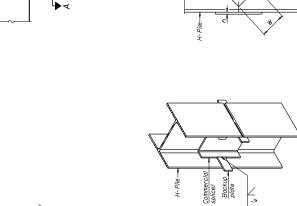


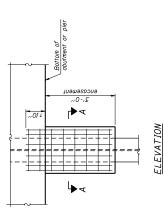


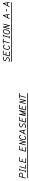
### STEEL PILE TABLE

±											
Encasement diameter A	30,,	30,,,	30	30,,,	24"	24"	24"	+2	+2	24"	81
Web and Flange thickness t	,, 9 <sup>1</sup> 21	91	28,,	2	,, 9/	58''	15	,, 91	,, 9 <sub>6</sub>	,, 91	,, 91
Flange width br	1478"	1434"	1434"	1458"	12,4"	12,4"	12,8	15	., Þ,OI	., <sup>8</sup> ,01	., 8,8
Depth d	4,41	14	.,8,51	135 <sub>8</sub> ′′	12,4	12,8,	15	113 <sup>4</sup> "	,,OI	934"	,,8
Designation	HP 14×117	×102	68×	x73	HP 12x84	×74	x63	x53	HP 10x57	x42	HP 8x36



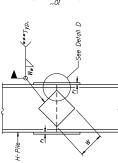






Note: Forms for encasement may be omitted when soil conditions permit.

-H-pile



<u> </u> =	  -	===

#### END VIEW

ELEVATION

ISOMETRIC VIEW

DETAIL "B"

Pile shoe

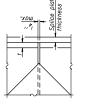
See Detail A-

ELEVATION

H-pile\_

Typ. shop or field weld 5<sub>16</sub>

WELDED COMMERCIAL SPLICE



Gap at flange and web based upon CJP(s) \* selected.

-See Detail C 'CJP, typ.

H-Pile-

DETAIL C

ELEVATION

Designation	HP 14x117	x102	68x	x73	HP 12x84	x74	x63	
	- <u>xou</u>	;; <u> </u>	Solice plate	thickness F,			DETAIL D	

*	15	., 2	., 2	,, 2,	2	,, 2	3, 18	3, '8	3, 8	, 8 8	38 ′′
W,	28,,,	58 ''	28 ''	28 ′′	28	28	,, 2,	,, 2,	,, 2	,, 2	,5,,,
¥	734"	734"	734"	734"	., 7,9	., 7,9	., 7,9	., 7,9	54"	54"	4'4"
r,	.,8,	34"	,, 91	,, 9 <sub>6</sub>	,, 91	,, 91	,, 2	,, 2	,, 91	, 91 8	,,91
۴,	Ι	,,8,,	34 "	58 ′′	,,8,	.,8,	28	28 ′′	34"	58′′	5 <sub>β</sub> ′′
щ	15,5	12,5	12'2"	15,5	10	OI	01	01	8	8,,	1
Designation	HP 14x117	×102	68x	x73	HP 12x84	×74	£9x	x53	HP 10x57	x42	HP 8x36
					_						_

# WELDED PLATE FIELD SPLICE

Note: The steel H-piles shall be according to AASHTO M270 Grade 50.

\*Use joint conforming to Figure 3.4 in AWS D.I.I. Structure Welding Code-Steel. \*\*Preparation per Fig. 5.2 in AWS D1.1, Structure Welding Code-Steel.

COMPLETE PENETRATION WELD SPLICE

H-PILE SHOE ATTACHMENT

DETAIL A

SE	23
Bi-State	Development Agency

D. Chata	oner-ro	Developm	Agency	,
Ę		2		Metro

SECTION	96-00001-00-EG	WetroBikeLink - Swansea Section
F.A. RTE		Metr
-	?	"
SHEET NO. 13		SHEETS
1 4	!	
Ü	5	23

## \*\*\*Interrupt welds '4" from end of each pile. THOUVENOT, WADE & MOERCHEN, INC.

F-HP 5-16-08

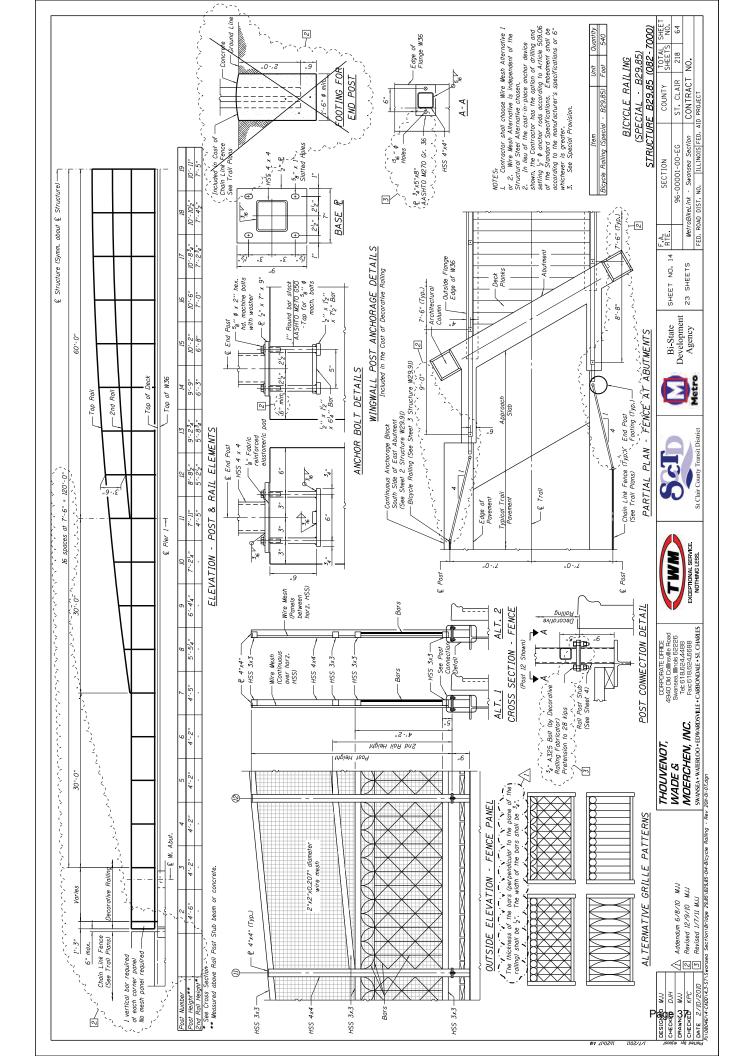
CORPOPATE OFFICE 4940 Out Onlinaville Road Swenses, illinois 62226 Tet 61 8624.4488 Fax 61 8624.6888 ARDSVILE - CARBONDALE - ST. CHARLES

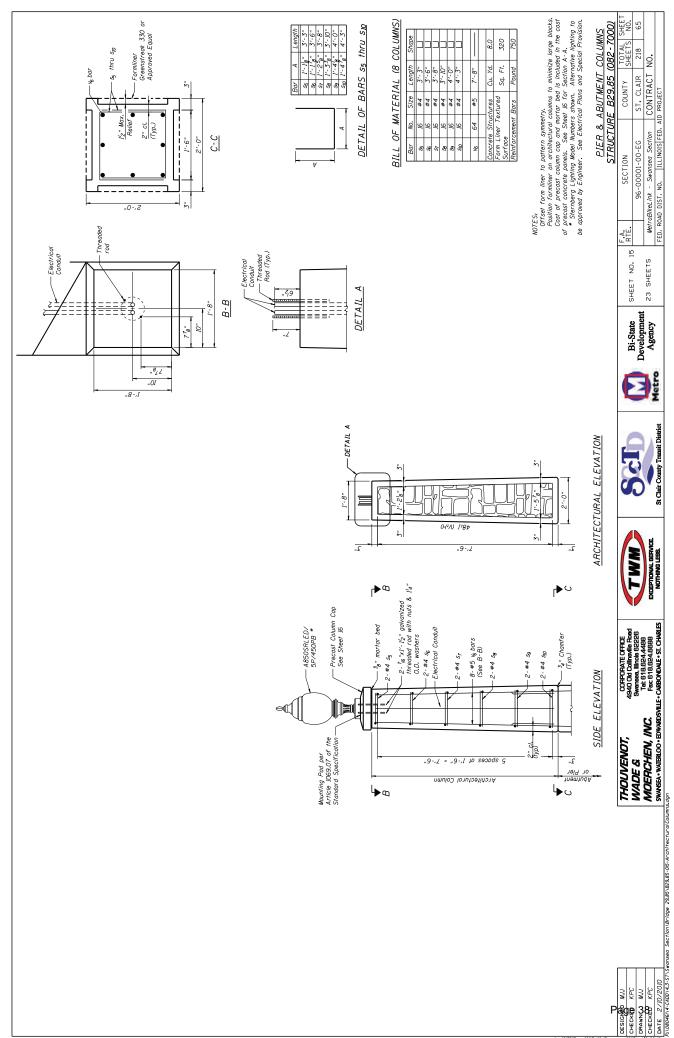


St Clair County Transit District
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Bi-State	SHEET NO. 13	F.A. RTE
Agency	23 SHEETS	W
		FED.

		0,1	PILE DETAILS	<u> </u>
		STRUCTUR	STRUCTURE B29.85 (082-7000)	082 - 7000)
NO. 13	F.A. RTE.	SECTION	COUNTY	TOTAL SHEET SHEETS NO.
		96-00001-00-EG	ST. CLAIR	218 63
EETS	Metr	MetroBikeLink - Swansea Section	CONTRACT NO	NO.
	FED. R(	FED. ROAD DIST. NO.   ILLINOIS   FED. AID PROJECT	ID PROJECT	





EXCEPTIONAL BERVICE.

St Clair County Transit District











218 | 96-00001-00-EG | ST. CLAIR | ZI | MetroBiteLink - Swansea Section | CONTRACT | NO. | FED. ROAD DIST. NO. | ILLINOIS| FED. AID PROJECT |

