

PROPOSAL FOR

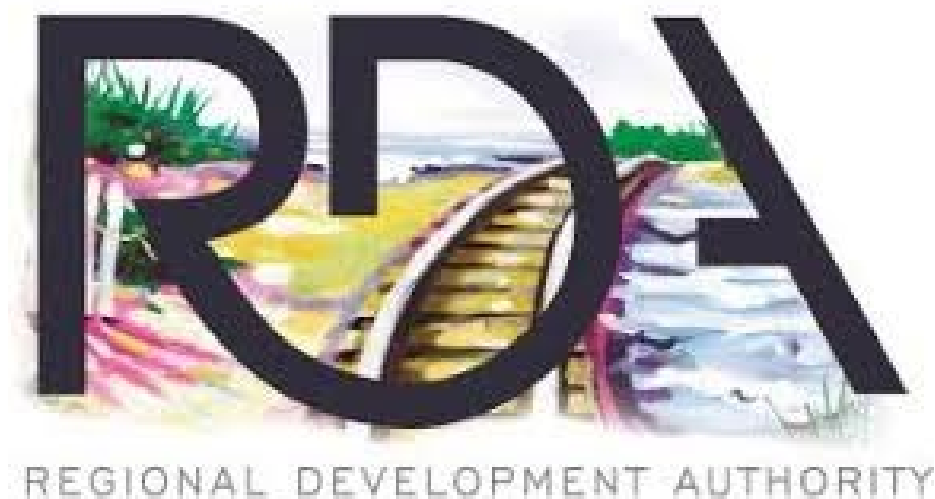
Commercial Property Demolition and Site Restoration

At Parcels 45-08-04-429-004 & 45-08-04-332-012

PROJECT NO. NWI RDA-BE-2026-02

Northwest Indiana Regional Development Authority

Gary Commercial Blight Elimination Program



PREPARED BY:

Egis BLN USA, Inc.

8320 Craig Street

Indianapolis, IN 46250



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PROJECT LOG
FOR
DEMOLITION AND SITE RESTORATION AT
PARCEL NUMBERS 45-08-04-429-004 (SITE 1)
& 45-08-04-332-012 (SITE 2)

This project includes the scheduled demolition of improvements and site restoration at the commercial properties listed herein unless otherwise specified in the contract. The project is located within the city limits of Gary, Indiana, in association with the Gary Commercial Blight Elimination Program. Contact information for the Engineer is provided below.

Egis BLN USA, Inc. (Egis)
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1) DESCRIPTION OF WORK

The work included in this contract generally includes, but is not limited to, the following scopes of work:

- a) Hazardous and regulated materials removal and disposal
- b) Demolition, removal, and disposal of commercial structures and associated appurtenances
- c) Backfilling and grading
- d) Site restoration
- e) Maintenance of traffic
- f) Soil erosion and sedimentation control (SESC)

2) LOCATION OF WORK

The work specified herein shall be performed at the locations below:

- a) SITE 1:
Parcel 45-08-04-429-004 (Former City Methodist Church)
549-77 Washington Street
Gary, IN 46402
- b) SITE 2:
Parcel 45-08-04-332-012 (Former Saint Mary's Hospital)
540 Tyler Street
Gary, IN 46402

3) PROJECT SPECIFICATIONS

Work shall be performed as described in the Project Log and in accordance with the following standards, specifications, plans, and provisions, unless otherwise specified.

- a) 2026 INDOT Standard Specifications (Standard Specifications)
- b) Special Provision for Hazardous and Regulated Materials Removal and Disposal
- c) Special Provision for Commercial Building and Property Improvements Removal
- d) Special Provision for Dewatering
- e) Special Provision(s) for Maintaining Traffic
 - a) SITE 1
 - b) SITE 2
- f) Maintenance of Traffic Plans
 - a) SITE 1
 - b) SITE 2
- g) Parcel Specifics Sheet(s)
 - a) SITE 1
 - b) SITE 2
- h) Soil Erosion and Sedimentation Control Plan(s)
 - a) SITE 1
 - b) SITE 2

4) SCOPE OF WORK:

- a) **Permitting**
 - i) Obtain an Indiana American Water (IAW) fire hydrant permit for each Site and comply with all applicable permit requirements throughout the duration of the project.
 - ii) Obtain a City of Gary Demolition Permit for each Site prior to the start of demolition and comply with all applicable permit requirements throughout the duration of the project.
 - iii) The Engineer has obtained INDOT permits for required lane and roadway closures, and temporary traffic control placement on INDOT routes, as applicable. Comply with the General Provisions and pre-work requirements of each permit for all work in the INDOT right-of-way, including all maintenance of traffic activities, as identified in the approved permits.
 - iv) Complete and submit for SITE 1 and SITE 2, the Gary Storm Water Management Department (GSWMD) Demolition Compliance Agreement to the GSWMD Administrative Office. Submit the compliance agreement and confirm receipt as a prerequisite to the Notice to Proceed. Comply with all requirements for demolition activities throughout the project duration.

- v) If electing to dewater SITE 1 via filtration and discharge into the public sewer system, obtain a GSWMD Stormwater Discharge Permit prior to commencing dewatering operations.
- vi) The Engineer has obtained IDEM Construction Stormwater Permits for each Site. Comply with all applicable permit requirements throughout the duration of the project.
- vii) Within 1 (one) calendar day of receipt of Notice to Proceed, the Contractor or the Contractor's asbestos abatement subcontractor shall submit a Notification of Demolition and Renovation Operations (State Form 44593) for the removal of all identified asbestos materials. A copy of the form shall be provided to the Engineer at the time of submission. It is the Contractor's responsibility to monitor and keep the Notification current. Any revision dates to the Notification shall be approved by the Engineer before amending the form. The Contractor must ensure the period(s) of time for each activity are concurrent and not sequential.
- viii) No less than 10 (ten) calendar days prior to the start of demolition activities, the Contractor shall submit a separate Notification of Demolition and Renovation Operations (State Form 44593). A copy of the form shall be provided to the Engineer at the time of submission. It is the Contractor's responsibility to monitor and keep the Notification current. Any revision dates to the Notification shall be approved by the Engineer before amending the form. The Contractor must ensure the period(s) of time for each activity are concurrent and not sequential.
- ix) Comply with all portions of subsection 202.02 of the Standard Specifications.
- x) All costs associated with permitting, including permit fees, are considered incidental to other contract pay items and will not be reimbursed separately.

b) Maintenance of Traffic and Site Security

- i) Maintain traffic in accordance with the applicable *SPECIAL PROVISION FOR MAINTAINING TRAFFIC*, Maintenance of Traffic Plan(s), and Parcel Specifics Sheet(s) for each Site, the Standard Specifications, and as directed by the Engineer.
- ii) Place temporary fencing with integrated wind screen throughout the perimeter of each Site and/or staging area. Such fencing shall consist of either base-mounted movable fence panels or 96-inch-tall chain link fence on driven posts.
 - (1) If moveable panels are utilized, sufficient ballast shall be provided to ensure that fencing remains secure and in place.
 - (2) If driven posts are utilized, the Contractor is responsible for backfilling and patching fence post holes following removal of fencing.
 - (3) The Contractor is responsible for alignment, maintenance and/or replacement of damaged fencing throughout the duration of the project.
- iii) The Contractor is responsible for maintaining safety and security of each Site during all working and non-working hours.

c) Environmental

- i) Remove and dispose of all Asbestos Containing Materials (ACM) and Other Regulated Materials (ORM) identified in the applicable Hazardous and Regulated Materials Report(s) for each site. All ACM and ORM removal and disposal shall be completed in accordance with the *SPECIAL PROVISION FOR HAZARDOUS AND REGULATED MATERIALS REMOVAL AND DISPOSAL* and all applicable local, state, and federal laws, regulations, and guidelines.
 - (1) Prior to commencing abatement activities, attend a pre-abatement site inspection as scheduled by the Engineer. The intent of this inspection is to ensure all items requiring abatement are clearly identified and to resolve any quantity discrepancies that may be noted.
 - (2) Provide INDOT Form IC-203 - Request for Approval of Borrow or Disposal Site 14 days prior to materials being removed from the Site. This form shall be approved by the Engineer prior to the specified site being utilized for disposal of material
 - (3) Following removal of all ACM and/or ORM and prior to removal of containment materials (as applicable), the Engineer will conduct a Post-Abatement Verification (PAV) inspection to confirm all identified materials have been properly removed. The Contractor shall provide a minimum 24-hour notice when requesting a PAV inspection to be scheduled. PAV inspections may be requested for individual rooms and/or portions of a structure as abatement operations progress.
- ii) Accumulated water in subsurface structure and/or significant depressions is assumed to contain asbestos fibers. Treat and discharge or transport and dispose of accumulated water in accordance with the *SPECIAL PROVISION FOR DEWATERING*.

d) Soil Erosion and Sedimentation Control (SESC)

- i) Designate a dedicated Storm Water Quality Manager (SWQM) for the project that will be responsible for implementation and management of SESC measures at all Sites, in accordance with subsection 205.03.c of the Standard Specifications.
- ii) Install, maintain, monitor, and remove SESC measures as indicated in the SESC Plan and Parcel Specifics Sheet(s) for each Site, in accordance with subsection 205.03.c of the Standard Specifications, and as directed by the Engineer.
- iii) SESC measure materials and accumulated sediment at ordered demolition sites (SITE 1) are assumed to contain asbestos. Handle and dispose of all sediment and used SESC measure materials as asbestos waste.

e) Demolition

- i) Develop a detailed Demolition Plan (Plan) for each Site. Submit the Plan to the Engineer for review and approval a minimum of 14 calendar days prior to mobilizing to each site. The Engineer will have 7 calendar days to review the Plan and provide comments for revisions required to obtain approval. The Plan shall include, but is not limited to the following components:
 - (1) Site staging layout including ingress and egress locations
 - (2) Trucking routes

- (3) Demolition sequencing
- (4) Detailed descriptions and dimensions of nearby and/or adjoining structures
- (5) Demolition means and methods
- (6) Dust control methods
- (7) Pollution control methods
- (8) Utility avoidance and/or protection plan
- (9) Vibration avoidance plan
- (10) Building separation plan/methodology
 - (a) SITE 2
 - (i) Means, methods and sequencing to separate BLDG 2 from the adjacent southwestern structure to remain.
 - (ii) Means and methods to protect the multi-story municipal structure adjacent to BLDG 2 from damage during demolition activities.
 - (iii) Temporary support design, if necessary, to facilitate removal of the multilevel hallway between Buildings B and C, from the municipal structure.
 - 1. Temporary support and/or other structural designs shall be stamped by a Professional Engineer licensed by the State of Indiana.
 - ii) Submit INDOT Form IC-203 - Request for Approval of Borrow or Disposal Site 14 days prior to materials being removed from the Site. This form shall be approved by the Engineer prior to the specified site being utilized for disposal of material. Submit a separate form for each proposed disposal site.
 - iii) All painted and/or stained concrete, brick, and block material is considered contaminated and shall be disposed of at a facility permitted to accept such materials. Clean concrete, brick, and block material may be recycled or disposed of at other facilities permitted to accept such materials, unless otherwise noted in the Parcel Specifics Sheet(s) for each Site. Any additional laboratory analysis required to determine disposal requirements and/or obtain waste stream approval is considered included in the cost of other items and will not be paid for separately.
 - iv) Remove and dispose of above and below grade features, associated appurtenances, and ancillary features at each Site in accordance with the Parcel Specifics Sheet(s) and the *SPECIAL PROVISION FOR COMMERCIAL BUILDING AND PROPERTY IMPROVEMENTS REMOVAL*.
- f) **Site Work**
 - i) Backfill all voids and/or depressions created by demolition and grade the site to drain, as directed by the Engineer. Provide backfill material meeting the requirements of INDOT 2026 Standard Specifications 904.06 (B Borrow) from an approved INDOT Certified Aggregate Producer Program (CAPP) source and compact in lifts no greater than 12 inches in depth to within 6 inches of the final grade. Recycled material or material from alternate sources may be used for backfilling, provided that it meets the requirements of B Borrow in accordance with Section 904.06 of the Standard

Specifications. Provide sieve analysis and organic material testing results to the Engineer to obtain approval for the use of recycled material or material from a non-CAPP source.

- ii) Provide INDOT Form *IC-203 - Request for Approval of Borrow or Disposal Site* 14 days prior to borrow materials being delivered to the Site. This form shall be approved by the Engineer prior to the site specified being utilized for borrow material.
- iii) Grade the site to drain and as directed by the Engineer.
- iv) Restore all disturbed areas in accordance with Section 621 of the Standard Specifications.
- v) Place topsoil free from rocks, roots, and debris within the final 6 inches and grade to allow for adequate drainage.
- vi) Place seed, fertilizer, and mulch throughout all disturbed areas and as directed by the Engineer.
 - (1) Seed shall be INDOT seed mixture R and the application rate per acre shall conform with subsection 621.06 of the Standard Specifications. Fertilizer and mulching materials shall be applied at the following rates:
 - (a) Fertilizer: 800 lb/ac
 - (b) Mulch: 2 t/ac
- vii) Periodic cleaning/sweeping of adjacent roadways and/or sidewalks may be required throughout the duration of the project, as directed by the Engineer. Cleaning/sweeping operations are considered incidental to other contract pay items and will not be paid separately.

5) UTILITIES

- a) Locate all public utilities through the Indiana811 system prior to mobilizing to each Site.
- b) *Figures 1 & 3 – Existing Utility Maps* provide estimated locations of existing utility facilities currently identified by the Engineer at each Site.
- c) Active overhead and/or underground utility facilities may be present within the limits of or in close proximity to the parcels included in this contract. Review each Site to determine whether such utilities will impact demolition and/or site restoration methods.
- d) Plan and perform all activities to avoid impacts to existing utility facilities. If damage to a utility facility occurs or it becomes apparent that damage may occur, suspend work and immediately notify the Engineer.
- e) The Engineer has facilitated retirement of water, electric, and gas utility services at the parcels included in this contract. Refer to the Utility Retirement Status table for dates of retirement. Utilities noted “TBD” have not been retired as of the time of contract advertisement. The Engineer will confirm retirement of these utilities prior to issuing Notice to Proceed.
- f) Remove, dispose, and bulkhead sanitary sewer outlet pipe(s) as encountered throughout each Site and as directed by the Engineer.
 - i) Remove sanitary sewer pipe(s) to the nearest parcel boundary.

- ii) Bulkhead sanitary sewer pipe(s) at the nearest parcel boundary and as directed by the Engineer according to subsection 720.05 of the Standard Specifications.
- iii) Gary Sanitary District (GSD) personnel must be present to inspect bulkheading of all sanitary sewer lines. Notify the Engineer a minimum of 24 hours prior to bulkheading of sanitary sewer lines to schedule inspections.
- g) Protection of existing in-service utility facilities may be required at certain Sites. Refer to the Parcel Specifics Sheet(s) for site-specific requirements.
- h) Removal and/or adjustment of existing utility structures and/or features may be required at certain Sites. Refer to the Parcel Specifics Sheet(s) for Site-specific requirements. Complete grade adjustment of existing structures in accordance with Section 720.04 of the Standard Specifications.

UTILITY RETIREMENT STATUS				
PARCEL ID	ADDRESS	NIPSCO GAS	NIPSCO ELECTRIC	INDIANA AMERICAN WATER
45-08-04-429-004	549-77 Washington Street, Gary, IN 46402	N/A, no gas utility in place	03/20/2025	04/29/2025
45-08-04-332-012	540 Tyler Street, Gary, IN 46402	06/04/2025	06/04/2025	05/05/2026

6) GENERAL NOTES

- a) Not all Sites may be available for demolition immediately upon contract award. No additional compensation above the contract amount will be allowed due to delays in receipt of Notice to Proceed for individual Sites.
- b) All work shall be performed within the parcel boundaries or within closed portions of adjacent roadways and/or alleyways, unless otherwise specified or as approved by the Engineer.
- c) Any damaged facilities within the public right-of-way shall be repaired and/or replaced at the Contractor's expense.
- d) Provide the Engineer with at least a 48-hour notice prior to mobilizing to the site. The Engineer may delay or suspend work if notice is not provided.
- e) Refer to the Parcel Specifics Sheet(s) and other supporting documents for details pertaining to the scope of work at each Site.
- f) Plan and perform all work in accordance with applicable federal, state, and local laws, regulations, and ordinances.

7) SPECIAL CONDITIONS

- a) Develop a *Site-Specific Health and Safety Plan (SSHP)* for each Site. The SSHP shall be submitted to the Engineer for review and approval a minimum of 14 calendar days prior to mobilizing to each Site. The Engineer will have 7 calendar days to review the SSHP and provide comments for revisions required to obtain approval.

- i) Components of various structures included in the contract are assumed to contain lead-based paint. The *SSHP* must include appropriate preventative and protective measures regarding this contaminate.
- b) Certain structures to be demolished are in close proximity to adjacent structures and/or other in-service facilities. Plan all activities to avoid impacts and damage to adjacent structures. Immediately suspend work and notify the Engineer if damage occurs or if the potential for damage becomes apparent at any time.
- c) Upon completion of the work at each Site, the Engineer will review the Site conditions and provide a list of corrective actions (Punch List), if applicable. All corrective action items must be completed within 14 calendar days of receipt of the Punch List.

8) PROGRESS CLAUSE

- a) After the award, do not begin work without a written Notice to Proceed from the Engineer. In no case may any work commence prior to contract award. A separate written Notice to Proceed will be issued for each Site.
- b) After the award and prior to the start of work, attend a preconstruction conference with the Engineer. The Engineer will determine the day, time, and place for the preconstruction conference.
- c) Prior to the preconstruction conference, submit a progress schedule in a format acceptable to the Engineer. The schedule shall include the start dates and estimated times to prosecute significant activities and phases of work.
- d) All contract work shall be continuous upon commencing. Work on site shall not be idle for any duration exceeding 72 hours. The Contractor is responsible to provide sufficient resources and adjust work schedules as necessary to complete all work within the specified contract time(s).
- e) Fully restore each Site within 14 calendar days of completion of backfill and grading operations.
- f) Mobilize and begin work at SITE 1 and/or SITE 2 within 30 calendar days following receipt of Notice to Proceed. All work at SITE 1 and SITE 2 parcels shall be completed within 320 (three hundred twenty) calendar days following receipt of Notice to Proceed.
- g) Failure to complete the work within the specified timeframe(s) will result in assessment of Liquidated Damages. Liquidated Damages in the amount of \$1,000.00 per day will be assessed for each calendar day the work remains incomplete.

9) ITEMS OF WORK AND PAYMENT SCHEDULE

- a) The following items of work are included in the Base Bid and apply as detailed in this Proposal and as directed by the Engineer. All other work described in the Project Log and other contract documents is considered incidental to these items and will not be paid for separately.

Pay Item	Quantity	Unit
_Building and Property Improvements Removal, Commercial – SITE 1	1.0	Lump Sum

_Building and Property Improvements Removal, Commercial – SITE 2	1.0	Lump Sum
_Hazardous and Regulated Materials Removal and Disposal – SITE 2	1.0	Lump Sum

b) At or before the preconstruction conference, provide a Schedule of Values for the Engineer's review and approval that corresponds to the _Building and Property Improvements Removal, Commercial pay item for each Site for the Milestone Items below. Assigned values shall align with the proportionate cost to perform the work associated with each Milestone Item. The sum of assigned Milestone Item values must equal the lump sum unit price for each Pay Item. Payment of the assigned values will be made upon completion of the work associated with each Milestone Item as described.

i) Milestone Items:

(1) Mobilization and Site Controls

Includes mobilization; installation of maintenance of traffic, temporary fencing, soil erosion and sedimentation control measures; site security; permitting.

Payment will be made upon completion of installation of items above and submitting all applicable permits and/or notifications to the Engineer.

(2) Above Grade Demolition

Includes removal, transport, and disposal of all above grade structures and associated appurtenances as specified.

Payment will be made upon completion of the work as described and submitting all required disposal documentation to the Engineer.

(3) Hard Surface and Below Grade Demolition

Includes removal, transport, and disposal of all hard surface and below grade features as specified.

Payment will be made upon completion of the work as described and submitting all required disposal documentation to the Engineer.

(4) Backfill and Site Restoration

Includes adjustment of utility structure covers (if applicable); bulkheading of sanitary sewer outlet pipes; placement and compaction of all required backfill, topsoil, seed, fertilizer, and mulch blanket as specified.

Payment will be made upon completion of the work as described and submitting all required material documentation to the Engineer.

(5) Project Cleanup

Includes demobilization; removal of maintenance of traffic devices, temporary fencing, and soil erosion and sedimentation measures; cleanup of the project site and surrounding roadways and/or sidewalks; completion of assigned Punch List work.

Payment will be made upon completion of the work as described and establishment of acceptable growth throughout all restored areas.

PARCEL SPECIFICS SHEET

SITE 1

PROJECT NUMBER

NWI RDA-BE-2026-02

PARCEL NUMBER(S)

45-08-04-429-004

PARCEL ADDRESS(ES)

549-77 Washington Street, Gary, IN 46402

PARCEL INFORMATION**1) SITE DESCRIPTION**

This Site is located within northeast quadrant of the intersection of Washington Street and W. 6th Avenue and is occupied by the former City Methodist Church. The existing structures are situated between an alley to the east, W. 6th Avenue to the south, a vacated alley to the north, and Washington Street to the west. There are several multilevel structures on the site which are partially collapsed and dilapidated. The parcel is rectangular in shape and encompasses approximately 104,000 square feet.

2) STRUCTURE DESCRIPTION(S)***Parcel 45-08-04-429-004: 1 Each Multi Story Commercial Building***

Structure ID	Structure Designation*	Structure Height	Structure SFT
STR A - Sanctuary	SGL	4-story	24,600
STR B – Fellowship Hall	SGL	4-story	27,320
STR C – Theatre	SGL	3-story	20,470
STR D – Administration Block	SGL	3-story	19,980
STR E – Bell Tower	SGL	Multistory	11,630

**as defined per Special Provision for Commercial Building and Property Improvements Removal*

STR A and STR B are 4-story structures with basements, STR C and STR D are 3-story structures with partial basements, and STR E is a multistory bell tower. The structures are severely damaged with partially collapsed and unstable walls, including large portions of the roof which has collapsed into the building. Due to the condition of the building and multiple areas of inaccessibility, several areas of suspect asbestos-containing materials (ACM) were sampled from outside the structure.

Structural features of the building include a combination of poured concrete, block, and brick walls at the basement level, exterior concrete and brick walls with stone facades on levels 1 - 4. Interior walls are concrete, brick, and/or wood framed with paneling/wallboard. Overhead ceilings are coated in plaster, select ceilings are also paneled, and flooring is primarily tiled. The roofing components consist of slate tiles. A brick bell tower with exterior stone façade is located within the southeast corner of the structure, including the presence of a brick chimney at the midpoint of the structure adjacent to the public alley. Interior features include, but are not limited to, electrical, mechanical, and plumbing equipment, various fixtures, tires, debris, and other miscellaneous appurtenances.

All structures are in various states of disrepair, including collapsed roof sections, inaccessible stairwells, and structural damage at select locations. Due to these conditions, this is considered an Emergency Ordered Demolition and all demolition debris shall be considered asbestos containing material (ACM) and must be handled and disposed of as such.

PARCEL SPECIFICS SHEET

SITE 1

Parcel 45-08-04-429-004 – Environmental

Various hazardous and regulated materials, including but not limited to Asbestos Containing Materials (ACM), Lead-Based Paints (LBP), and Other Regulated Materials (ORM) are present throughout the structures as identified in the *45-08-04-429-004 HRM Report*, dated April 15, 2025.

Accumulated water is present within the basement of STR C which has been confirmed to contain asbestos. Refer to *ATTACHMENT C – SITE 1 Basement Water Analysis* for additional details. Accumulated water that is encountered in other basement areas or significant depressions is also assumed to contain asbestos.

Parcel 45-08-04-429-004 – Site Work and Utilities

Various ancillary features are present throughout and adjacent to the site, including but not limited to concrete sidewalk, asphalt pavement, trees/brush, miscellaneous debris, and perimeter chain link fencing.

Various public and private utility facilities are present adjacent to the parcel, including but not limited to electric, gas, water, sewer, and communications. Refer to *Figure 1 – Existing Utilities Map* for estimated locations of utility facilities currently identified by the Engineer.

Existing street lighting facilities are present on the west side of the Site adjacent to Washington Street.

3) SCOPE OF WORK

a) Environmental

- i) Prior to subgrade demolition, treat and discharge or transport and dispose of accumulated water in the STR C basement and/or other basement areas in accordance with the *SPECIAL PROVISION FOR DEWATERING*.

b) Demolition

- i) STRs A-E are considered Emergency Ordered Demolitions. All above and below grade demolition debris shall be considered ACM and must be handled and disposed of as such.
- ii) Prior to demolition, sawcut existing alleyway pavement on the north and east sides of the structure(s). Place saw cuts as close to the structure(s) as possible, but no greater than 1 foot from the face of the building. Sawcut existing sidewalk on the west and south sides of the site as necessary to retain a minimum 5-foot-wide existing sidewalk adjacent to Washington Street and W. 6th Avenue.
 - (1) Layout of saw cutting shall be coordinated with and approved by the Engineer prior to saw cutting work commencing.
- iii) Fully remove and dispose of all above grade components of STRs A-E.
- iv) Fully remove and dispose of all below grade components of STRs A-E, including but not limited to, slabs, footings, foundations, floor drains, and other miscellaneous features, except as noted below.

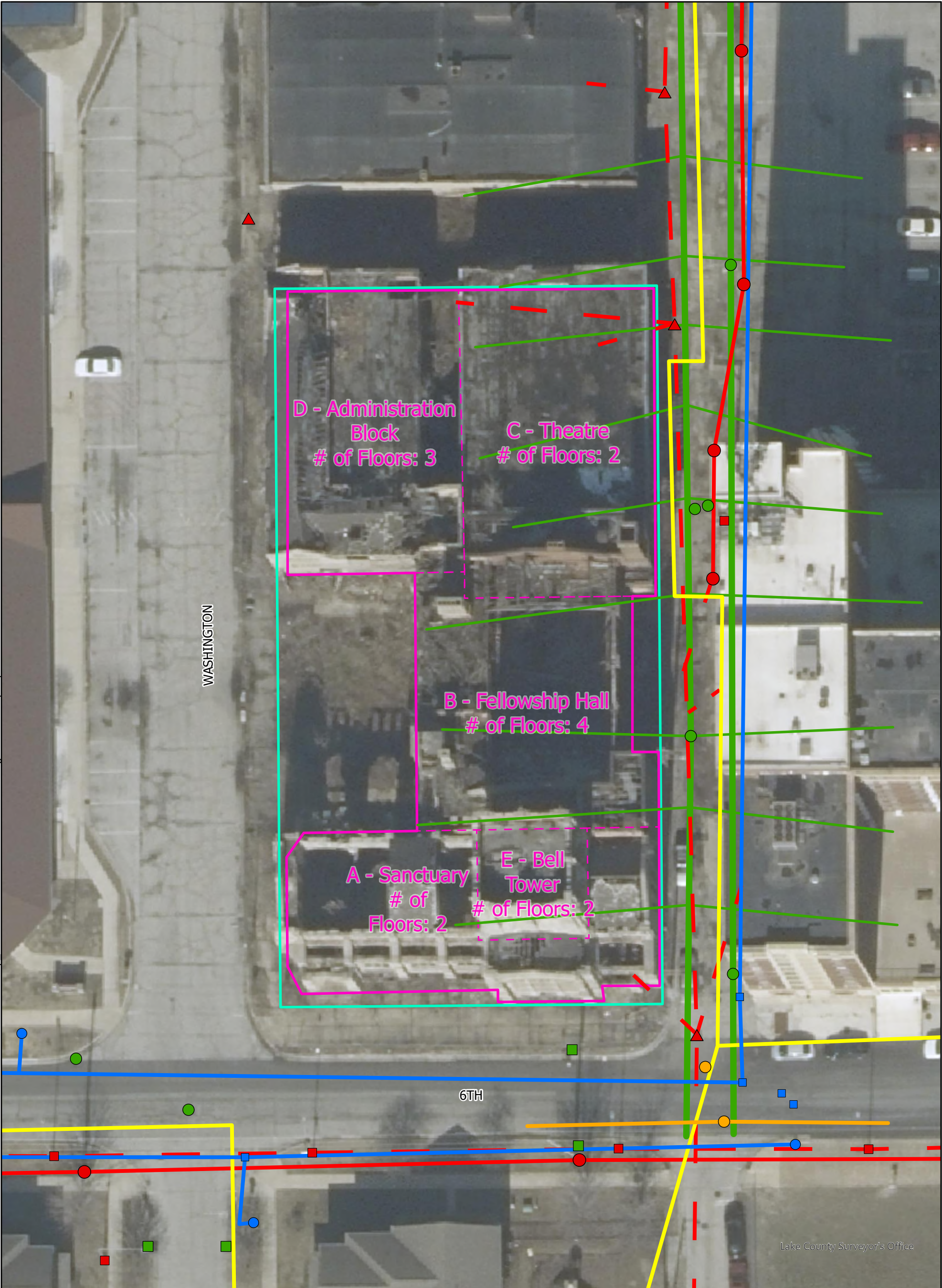
PARCEL SPECIFICS SHEET

SITE 1

- (1) Remove the eastern basement walls of STRs A-C to a depth of 6-inches below the existing surrounding elevation(s). Remaining basement walls and foundations below this elevation will remain in place.
- v) Fully remove and dispose of all ancillary features located within the limits of the Site, including but not limited to, asphalt and concrete pavement, brush, and perimeter chain link fencing.

4) SPECIAL CONDITIONS

- a) Protect and retain the existing City Church Historical Marker located at southwest corner of the Site. If damage occurs, the Marker shall be replaced in kind at the Contractor's expense.
- b) Protect all existing adjacent features to remain throughout demolition, including but not limited to, sidewalks, pavement, trees, street lighting, and permanent signage. If damage to existing features occurs, replacement in kind will be required at the Contractor's expense.
- c) Stage and perform all work from within the limits of the parcel or from closed portions of adjacent roadways and/or alleyways.
- d) Maintain full access to the adjacent Gary Housing Authority facility at all times. Plan and stage activities such that facility operations are not impacted.
- e) Maintain full access to the 21st Century Academy facility located on the west side of Washington St. at all times. Plan and stage activities such that facility operations are not impacted.



N

Overhead Electric Lines

Underground Electric Lines

Light Pole

Support Structure

Manhole

Gas_Lines

Telecommunications Lines

Telecommunications Manhole

Water Lines

Hydrant

Valve Gate Access

Sanitary Lateral

Sanitary Pipe

Catch Basin

Manhole

Approximate Parcel Boundary

Target Building

Building Sections

03060

Feet

1 inch equals 30 feet

Electric and gas utility location information provided by NIPSCO.

Water utility information provided by IAW.

Sewer utility information provided by Gary Sanitary District.

Figure 1

Existing Utilities Map

549 Washington

Former City Methodist Church

Gary, IN

DATE	DRAWN BY	CHECKED BY	PROJECT NO.
5-1-26	CCM	CW	240100

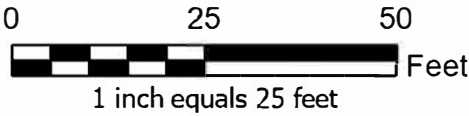
Building Section	Building Section ID	# of Floors	Footprint Area (ft²)	Height Estimate (ft)	Exterior	Framing	Floors	Structure Notes
Sanctuary	A	2	5,200	60	Stone Façade	Reinforced Concrete	Concrete	-Building is open from first floor to roof balconies along south and north walls -Roof mostly missing
Fellowship Hall	B	4	5,700	50	Stone Façade	Concrete Encased Steel	Concrete	-Roof completely missing
Theatre	C	2	6,400	40	Brick	Steel	Concrete	-Building is open from first floor to roof large balcony on south side, stage on north side
Administration Block	D	3	5,250	35	Stone Façade	Reinforced Concrete	Concrete	
Bell Tower	E	2	1,300	100	Stone Façade	Reinforced Concrete	Wood	-No accessible floors



Lake County Surveyor's Office



- Approximate Parcel Boundary
- Target Building
- Building Sections



Structure has full basement present.



Figure 2
Structure Features Map

549 Washington
Former City Methodist Church
Gary, IN

DATE	DRAWN BY	CHECKED BY	PROJECT NO.
9-30-25	CCM	CW	240100

EMERGENCY ORDER

Date: April 14, 2025

**TO: City of Gary Department of Commerce
Redevelopment Division (Demolition)
504 Broadway, Suite 200
Gary, Indiana 46402**

I am acting pursuant to Section 9, of the Indiana Code, I. C. 36-7-9-9 and Section 162.01 of the City of Gary, Indiana Code of Ordinances entitled "The Unsafe Building (s) Ordinance."

As a result of the inspection, I have determined that the Building(s) and premises Commonly 549 Washington St., Gary, IN 46402 situated in Gary, Indiana and legally described as:

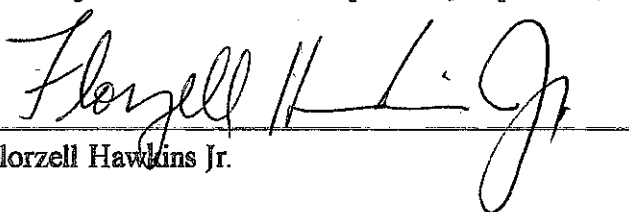
Legal: Gary Land Co's 1st Subdiv All L.28,29 & 30 Bl.83 and L.31, 32 & 33 Bl.83 and L.34 & 35 Bl.83

Parcel: 45-08-04-429-004.000-004

is/are Unsafe, for the reasons set forth in the inspection reports, copies of which may be obtained from the Building Department.

I hereby order that the Building(s) must be **DEMOLISHED**.

Such operations must be completed by September, 2025


Florzell Hawkins Jr.

Building Commissioner
City of Gary, Indiana

cc: File

PROPERTY OWNER

PARCEL SPECIFICS SHEET

SITE 2

PROJECT NUMBER

NWI RDA-BE-2026-02

PARCEL NUMBER(S)

45-08-04-332-012

PARCEL ADDRESS(ES)

540 Tyler Street, Gary, IN 46402

PARCEL INFORMATION

1) SITE DESCRIPTION

This site is located within the northwest quadrant of the intersection of Tyler Street and W. 6th Avenue. The existing structure(s) are situated between an alley to the north, W. 6th Avenue to the south, adjacent buildings and a surface lot to the west, and Tyler Street to the east. There are three multi-level buildings and one single level building present on the site which are dilapidated. The parcel is L-shaped and encompasses approximately 164,000 square feet.

2) STRUCTURE DESCRIPTION(S)

Parcel 45-08-04-332-012: 4 Each Commercial Buildings

Structure ID	Structure Designation*	Structure Height	Structure SFT
BLDG A - Hospital	BLIP	5-story	135,808
BLDG B – Heating Plant/Converted Shop	BLIP	2-story	10,564
BLDG C – Heating Plant	BLIP	3-story	15,118
BLDG C – Adjacent Paint and Carpentry Building	BLIP	1-story	2,480

**as defined per Special Provision for Commercial Building and Property Improvements Removal*

BLDG A is a 5-story structure with basement, BLDG B is a 2-story structure with basement, and BLDG C is a 3-story with an adjoining single-story structure with basement. Portions of BLDGs A-C are severely dilapidated and in various states of disrepair, including collapsed ceilings, roofs, and walls.

Structural features of the buildings include concrete block foundation walls, exterior concrete and brick façade walls. Interior walls are concrete block/brick with plaster and tile, and/or wood/steel framed with paneling/wallboard. Overhead ceilings are coated in plaster, select ceilings are also paneled, and the flooring is primarily concrete, with select areas of tile. The roofing components consist of flat roof materials, flashing and rubber membrane. A brick smokestack is located on the western side of BLDG C, adjacent to the public alleyway. Interior and exterior features include, but are not limited to, electrical and mechanical components, plumbing equipment and insulation, various fixtures, furniture, miscellaneous and other miscellaneous appurtenances.

Parcel 45-08-04-332-012 – Environmental

Various hazardous and regulated materials, including but not limited to Asbestos Containing Materials (ACM), Lead-Based Paints (LBP), and Other Regulated Materials (ORM) are present throughout the structures as identified in the *Parcel 45-08-04-332-012 HRM Report*, dated April 14, 2025.

Parcel 45-08-04-332-012 – Site Work and Utilities

PARCEL SPECIFICS SHEET SITE 2

Various ancillary features are present throughout and adjacent to the site, including but not limited to concrete sidewalk, concrete and asphalt pavement, fencing, guardrail, trees/vegetation, miscellaneous debris, street lighting, and permanent signage.

Various public and private utility facilities are present adjacent to the parcel, including but not limited to electric, gas, water, sewer, and communications. Refer to *Figure 3 – Existing Utility Map – SITE 2* for the approximate locations of existing utility facilities as identified by the Engineer.

An active underground electrical General Primary Distribution (GPD) line is present between BLDG A and BLDG B, extending from the northern alleyway to the pad-mounted transformers referenced below. Exploratory excavation and protection of this facility is required as described in Sections 3.c.i. and 3.c.ii.

Active pad-mounted electrical transformers are present between BLDG A and the Gary Police Department facility. Protective measures are required during demolition as described in Section 3.c.iii.

A decommissioned communications cable and span wire are present on the north side of BLDG B, crossing the alleyway and connected to a wood utility pole. Removal of these facilities is required prior to demolition as described in Section 3.c.iv.

Existing street lighting facilities are present on the east and south sides of the Site, adjacent to Tyler Street and W. 6th Avenue.

3) SCOPE OF WORK

a) Environmental

- i) Prior to demolition of BLDGs A-C, fully remove and dispose of all Asbestos Containing Materials (ACM) and Other Regulated Materials (ORM) identified in the *Parcel 45-08-04-332-012 HRM Report*, dated April 14, 2025.
 - (1) Temporary works, including but not limited to shoring and/or stabilization, may be required to access and facilitate removal of ACM and ORM at select locations.

b) Demolition

- i) Prior to demolition, clear vegetation located on all sides of BLDGs A-C, including brush immediately adjacent to the structure(s) exterior walls. Existing trees along W. 6th Avenue and Tyler Street, located between the back of curb and public sidewalks, shall not be removed and will remain in place.
- ii) Prior to demolition, sawcut all pavement adjacent to the east and north sides of BLDG A, and adjacent to the north, west, and south sides of BLDG B and BLDG C, as close to the structure(s) as possible, but no greater than 1 foot from the face of buildings. Remove pavement within the limits of saw cutting with all other street, alleyway, and sidewalk pavement to remain in place. Layout of saw cutting shall be coordinated with and approved by the Engineer prior to saw cutting work commencing.
- iii) Fully remove and dispose of all above grade components of BLDGs A-C
- iv) Fully remove and dispose of all below grade components of BLDGs A-C, except for basement walls, floor slabs, and foundations. Modify remaining below grade

PARCEL SPECIFICS SHEET SITE 2

components according to Section c.3.C (Basement Left in Place) of the *SPECIAL PROVISION FOR COMMERCIAL BUILDING AND PROPERTY IMPROVEMENTS REMOVAL*.

- v) Fully remove and dispose of all ancillary features located within the limits of the Site, including but not limited to, asphalt and concrete pavement, fencing, signage, guardrail, and miscellaneous debris.

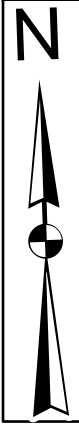
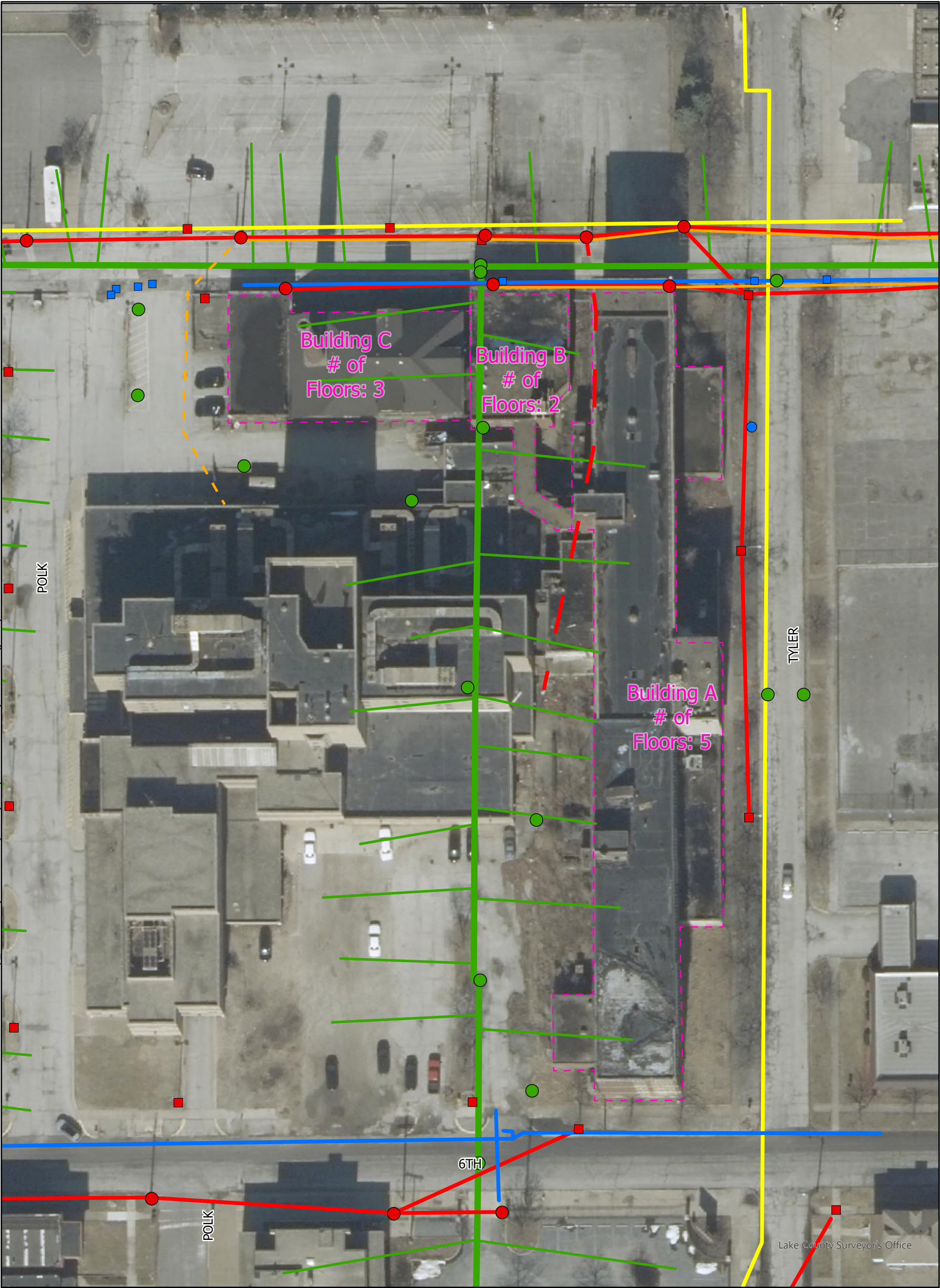
c) Utilities

- i) Prior to demolition, perform exploratory excavation to sufficiently confirm the location, alignment, and depth of the active electrical GPD line. Exploratory excavation shall be completed utilizing vacuum excavation, hand digging, or a combination thereof. Perform exploratory excavation in a manner that does not damage the existing facility. If damage occurs or it becomes apparent that damage may occur, suspend work, immediately notify the Engineer, and contact the facility owner (NIPSCO).
- ii) Protect the GPD line during demolition to ensure no damage occurs. If damage occurs or it becomes apparent that damage may occur, suspend work, immediately notify the Engineer, and contact the facility owner (NIPSCO).
- iii) Plan and perform activities to ensure protection of the active electrical transformer components positioned between BLDG A and the Gary Police Department facility. Placement of temporary protective features may be required. If damage occurs or it becomes apparent that damage may occur, suspend work and immediately notify the Engineer.
- iv) Prior to demolition, remove and dispose of the existing decommissioned communications cable and span wire connected to BLDG B and crossing the northern alleyway. Removal shall be completed by cutting the cable and span wire at the wood utility pole located on the north side of the alleyway.
- v) Perform grade adjustments, as required, of existing sanitary sewer structures on the west side of BLDG A in accordance with Section 720 of the Standard Specifications and as directed by the Engineer.

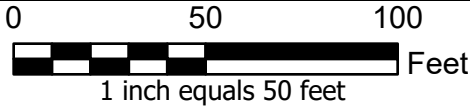
4) SPECIAL CONDITIONS

- a) Protect all existing adjacent features to remain throughout demolition, including but not limited to, sidewalks, pavement, trees, street lighting, and permanent signage. If damage to existing features occurs, replacement in kind will be required at the Contractor's expense.
- b) Stage and perform all work from within the limits of the parcel or from closed portions of adjacent roadways and/or alleyways.
- c) Maintain full access to the Gary Police Department facility at all times. Plan and stage activities such that facility operations are not impacted.

Document Path: P:\240100-NW Indiana RDA - DORC Services\GIS\Map_Files\540 Tyler-Saint Mary Mercy Hospital\Demo\540 Tyler Demo Figure.aprx



- | | |
|--------------------------------------|----------------------------|
| Overhead Electric Lines | Telecommunications Manhole |
| Underground Electric Lines | Water Lines |
| Light Pole | Hydrant |
| Support Structure | Valve Gate Access |
| Manhole | Sanitary Lateral |
| Gas Lines | Sanitary Pipe |
| Underground Telecommunications Lines | Sewer Manholes |
| Overhead Telecommunications Lines | Building Sections |



Electric and gas utility location information provided by NIPSCO.
Water utility information provided by IAW.
Sewer utility information provided by Gary Sanitary District.



Figure 3
Existing Utilities Map
540 Tyler
Former Saint Mary's Mercy Hospital
Gary, IN

DATE	DRAWN BY	CHECKED BY	PROJECT NO.
5/5/26	CCM	CW	240100

NORTHWEST INDIANA
REGIONAL DEVELOPMENT AUTHORITY

SPECIAL PROVISION
FOR
**MAINTAINING TRAFFIC –
PARCEL NUMBER 45-08-04-429-004**

1 of 5

a. Description. This special provision consists of requirements and restrictions to maintain traffic on W. 6th Avenue and Washington Street, in the city of Gary, Indiana.

b. General. Maintain traffic throughout the project in accordance with the standard drawings, maintenance of traffic plans, and specifications in the contract as described for this site.

c. Construction Influence Area (CIA). The CIA includes the right-of-way of the following roadways, within the approximate limits described below:

1. On E. 6th Avenue, from Massachusetts Street to SR 53 (Broadway Avenue).
2. On W. 6th Avenue, from SR 53 to Adams Street.
3. On Washington Street, from W. 8th Avenue to W. 5th Avenue.
4. On Adams Street, from W. 6th Avenue to W. 5th Avenue.
5. On W. 5th Avenue, from Adams Street to SR 53.

d. Traffic Restrictions. Maintain traffic in accordance with the standard drawings, Maintenance of Traffic Plans, and specifications contained herein, except as noted below. Changes or adjustments to maintaining traffic standard drawings and plans may be necessary to fit field conditions, subject to approval of the Engineer or as determined by the Engineer.

1. Utilize the following Maintaining Traffic Standard and Other Drawings:

- A. E 601-IAED-01
- B. E 801-TCLG-01
- C. E 801-TCCB-01 - 06
- D. E 801-TCDV-01 – 08
- E. E 801-TCSC-06
- F. E801-TCLC-12
- G. E801-TCDT-02 – 04
- H. E801-TPAR-02 – 06, 10 – 11
- I. Maintenance of Traffic Plans – 549-77 Washington Street, Gary Commercial Blight Elimination

2. Do not work, deliver material, or close lanes during the holiday periods shown in Table 1.

Table 1: 2026 - 2027 Holiday Periods

Holiday	Date
Columbus Day	Monday, October 12 th , 2026
Veterans Day	Wednesday, November 11 th , 2026
Thanksgiving Day	Thurs. – Fri., November 26 th -27 th , 2026
Christmas Day	Friday, December 25 th , 2026
New Year's Day	Friday, January 1 st , 2027
Martin Luther King Jr. Day	Monday, January 18 th , 2027
Lincoln's Birthday	Friday, February 12 th , 2027
President's Day	Monday, February 15 th , 2027
Memorial Day	Monday, May 31 st , 2027
Juneteenth	Saturday, June 19, 2027
Independence Day	Sunday, July 4 th , 2027
Labor Day	Monday, September 6 th , 2027
Columbus Day	Monday, October 11 th , 2027
Veterans Day	Thursday, November 11 th , 2027
Thanksgiving Day	Thurs. – Fri., November 25 th -26 th , 2027
Christmas Day	Saturday, December 25 th , 2027

3. Close the northern half of W. 6th Avenue while maintaining westbound traffic on the southern half of W. 6th Avenue from Massachusetts Street to Washington Street during Phase 1 demolition and site restoration activities.

4. A complete closure of northbound Washington Street from W. 6th Avenue to the north surface lot approach of the 21st Century Academy is permitted during Phase 1 demolition and site restoration activities. Access to the north surface lot shall be maintained during all site work. Southbound Washington Street between W. 6th Avenue and W. 5th Avenue shall be maintained at all times.

5. Close the alley west of SR 53 and east of Washington Street from W. 6th Avenue north to the south side of the building structure at 529-543 Washington Street. Place drums along the east side of the alley within the existing surface lot. The alley is to remain open from W. 5th Avenue to the south side of the structure at 529-543 Washington Street.

6. Maintain access to all driveways and side streets on E. 6th Avenue and W. 6th Avenue from Massachusetts Street to Adams Street, and Washington Street at all times, unless otherwise identified on the plans.

e. Traffic General.

1. For any lane open to traffic, provide a minimum lane width of 11 feet with 2 feet of shy distance on both sides unless identified otherwise on plans.
2. Place lane closures only in areas as shown on the plans unless otherwise directed by the Engineer.

3. Prior to shifting traffic or opening any lanes, remove, by sweeping all accumulated debris that has collected within the closure area.
4. A speed reduction will not be used.
5. Protect the work area at the end of each day. Close all open access points on the project to traffic with Type III barricades or other devices approved by the Engineer.
6. The Engineer has completed the INDOT permit application for maintenance of traffic activities associated with this project, that includes the placement of the traffic control devices within INDOT Right-of-Way. The Contractor is required to install and maintain any necessary traffic control devices required to safely and clearly direct traffic through or around the work zone. The Contractor shall comply with all permit requirements and INDOT General Provisions. No additional payment will be made for complying with the permit or the General Provisions requirements, for work in INDOT right-of-way, and for the coordination of all associated work.
7. The Contractor is responsible for notifying emergency services, transit agencies, law enforcement and schools prior to any lane closures, detours or major traffic shifts. In addition, the Contractor will be responsible for working with and complying with any coordination that is necessary with emergency services, transit agencies, law enforcement and schools.

Project notification and coordination will include community service outreach. Notify the following local community services a minimum of two weeks (14 calendar days) prior to the start of any site work, and three weeks (21 calendar days) for site work near or within any railroad right-of-way. The project information will be distributed to the Department of Revenue to assist in the reroute of OS/OW vehicles. All roadway restrictions are to be reported, prior to the start of site work.

Community Service Notification

Lake County 911 Dispatch (Fire, Police, and EMS)	(219) 660-0000	N/A
Department of Revenue	(219) 851-1251	aparkhouse@indot.in.gov cbajek@indot.in.gov lahuffman@indot.in.gov
Gary Public Schools	(219) 881-5466	N/A
U.S. Postal Service	(219) 886-8000	N/A
INDOT	(855) 463-6848	N/A
Gary Public Works	(219) 881-1310	N/A

All costs associated with the coordination efforts outlined herein will be considered included in the pay item “_Building and Property Improvements Removal, Commercial, Parcel 45-08-04-429-004.”

8. Remove all temporary traffic control devices from INDOT and the city of Gary right-of-way during any shut down periods unless needed for directly maintaining or channelizing traffic. No additional payment will be made for the removal and/or redeployment of these devices.

9. Once work is initiated that includes any lane restrictions, that work must be continued daily until completed. A lack of work activity for more than 3 calendar days will require the removal of lane closures at no expense to the contract. Redeployment of all required traffic control for lane closures shall be completed at the Contractor's expense.

f. Detours.

1. Do not detour traffic until all proposed contract work on the detour route is completed, inspected, and approved by the Engineer.
2. Signs should be placed within the road right-of-way when remediation and demolition work is taking place on the structure.

g. Pedestrian or Non-Motorized Facilities.

1. Maintain all facilities in accordance with *The Americans with Disability Act* (ADA) requirements and the Public Right-of-Way Accessibility Guidelines (PROWAG). Provide facilities equivalent to or better than the route a person would have encountered prior to construction activities.
2. Maintain pedestrian access on the north sidewalk of W. 6th Avenue west of SR 53, along the Gary Housing Authority (Genesis Towers) building frontage. A sidewalk closure shall be placed west of the front entrance during demolition and site restoration activities.
3. Close and detour any sidewalk ramps and crosswalk areas to pedestrian traffic that are impacted by the work as shown in the plans.
4. Keep sidewalk areas clear of any equipment or materials at all times as the sidewalks outside of closure areas are open to pedestrian traffic.

h. Traffic Control Devices. Ensure all traffic control devices are in accordance with the INDOT 2024 Standard Specifications and must meet the "acceptable" criteria as defined in the ATSSA publication entitled "*Quality Guidelines for Temporary Traffic Control Devices and Features*" at the time of initial deployment.

1. During non-working periods, place applicable advance signs face down and remove channelizing devices from the public right-of-way, as directed by the Engineer, at no additional cost to the contract.
2. Notify the Engineer 24 hours in advance of when traffic control devices are being delivered to the project site, to allow for initial inspection of devices to take place.

3. Remove from the project site all traffic control devices (including detour signing) no longer needed for site remediation or demolition within 14 calendar days of reopening a lane/roadway.

4. Channelizing Devices.

A. Ensure all devices have sufficient ballast to prevent moving or tipping. If moving or tipping occurs, place additional ballast, as directed by the Engineer, at no additional cost to the contract. No more than two ballasts are allowed on each channelizing device.

B. Do not use caution tape on this project.

C. Space channelizing devices at 10 feet for tapers and 25 feet for tangents or tighter as directed by the Engineer.

i. Temporary Barrier (TB) and Impact Attenuators.

1. Place temporary concrete barrier with the flow of the traffic. Place the end treatment first when deploying the TB and remove the end treatment last when removing the TB.

2. Do not place TB on slopes that are steeper than 1:10.

3. Place TB in accordance with the Standard Drawing Series E801-TCCB. At no time will traffic be exposed to the blunt end of TB or permanent barrier wall without proper attenuation.

j. Measurement and Payment. Payment for all maintenance of traffic devices and operations, as defined herein, is included in the pay items “_Building and Property Improvements Removal, Commercial, Parcel 45-08-04-429-004.” No additional payment will be made for the following activities:

1. Transporting traffic control items around the site or within the CIA.

2. Providing sufficient vehicles and staff to make changes as needed on site during work.

3. Providing sufficient vehicles and staff to remove closures from the roadway.

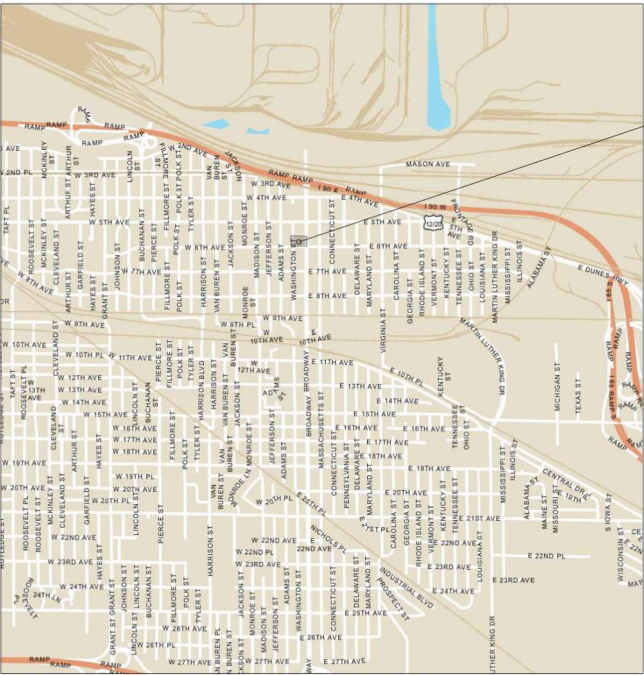
4. Providing additional traffic control devices required to expedite contract items of work for the convenience of the Contractor.

NORTHWEST INDIANA
REGIONAL DEVELOPMENT AUTHORITY

MAINTENANCE OF TRAFFIC PLANS
GARY COMMERCIAL BLIGHT ELIMINATION

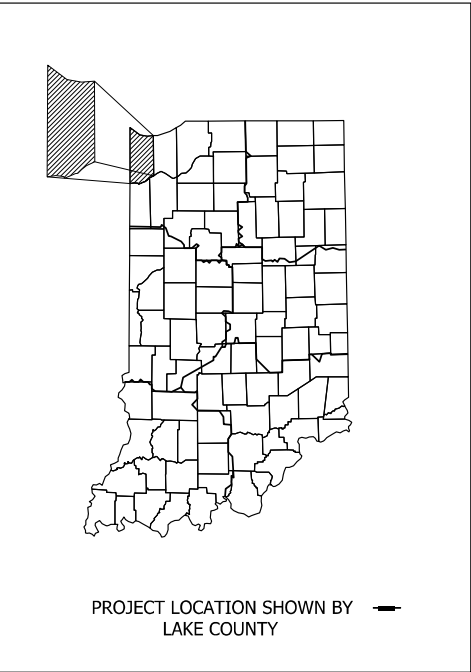
549 Washington Street
Parcel 45-08-05-429-004

549 Washington Street
Section 3, T-36-N, R-8-W, Gary, Lake County, Indiana



549 WASHINGTON ST

SCALE: 1" = 1000'



LATITUDE: 41.60243 LONGITUDE: -87.33685

INDIANA DEPARTMENT OF TRANSPORTATION
STANDARD SPECIFICATIONS DATED 2024
TO BE USED WITH THESE PLANS

PLANS PREPARED BY:	INFRASTRUCTURE ENGINEERING, INC.	(317) 243-9800 PHONE NUMBER
CERTIFIED BY:		DATE
APPROVED FOR LETTING:		DATE

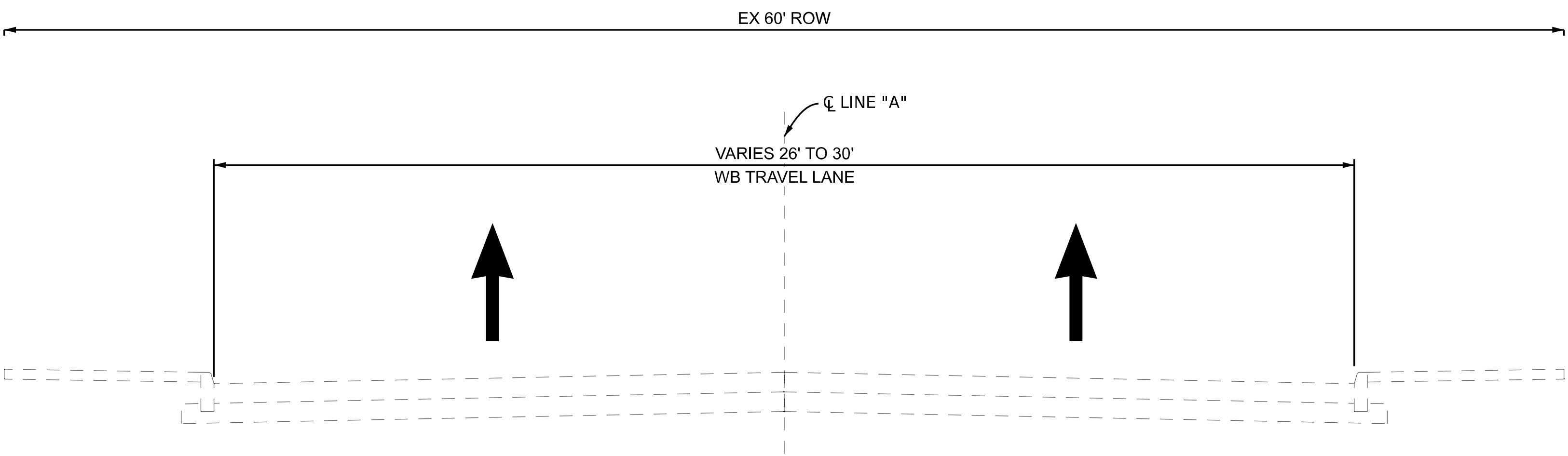
DESIGNATION	
SURVEY BOOK	SHEETS
CONTRACT	of
	PROJECT

STANDARD PLANS

TRAFFIC CONTROL LEGEND AND GENERAL NOTES	E 801-TCLG-01
TEMPORARY CONCRETE BARRIER INDEX SHEET	E 801-TCCB-01
TEMPORARY CONCRETE BARRIER DIMENSIONS AND FLARE RATES	E 801-TCCB-02
TEMPORARY CONCRETE BARRIER DETAILS	E 801-TCCB-03
TEMPORARY CONCRETE BARRIER DOUBLE TAPER END SECTION	E 801-TCCB-04
ANCHORED TEMPORARY CONCRETE BARRIER, DROP-IN ANHCOR	E 801-TCCB-05
ANCHORED TEMPORARY CONCRETE BARRIER FERRULE LOOP INSERT	E 801-TCCB-06
TRAFFIC CONTROL DEVICES INDEX AND GENERAL NOTES	E 801-TCDV-01
CHANNELIZING DEVICES	E 801-TCDV-02
MERGE OR SHIFT TAPER	E 801-TCDV-03
CHANNELIZING DEVICE USAGE	E 801-TCDV-04
TYPE III BARRICADE	E 801-TCDV-05
TYPICAL CONSTRUCTION SIGN MOUNTING	E 801-TCDV-06
TYPE III BARRICADE APPLICATION FOR ROAD CLOSURE FOR THRU TRAFFIC	E 801-TCDV-07
TYPE III BARRICADE APPLICATION FOR ROAD CLOSURE TO ALL TRAFFIC	E 801-TCDV-08
SHOULDER CLOSURE ON TWO LANE HIGHWAY WITH LOCAL ACCESS	E 801-TCSC-06
SHORT OR INTERMEDIATE TERM STATIONARY LANE CLOSURE ON THREE LANE ROAD	E 801-TCLC-12
URBAN DETOUR	E 801-TCDT-02
URBAN DETOUR WITH ONE-WAY STREETS	E 801-TCDT-03
URBAN ROUTE MARKER ASSEMBLIES	E 801-TCDT-04
PEDESTRIAN DETOUR CORNER CLOSURE	E 801-TPAR-02
PEDESTRIAN DETOUR CROSSWALK CLOSURE	E 801-TPAR-03
PEDESTRIAN DETOUR FULL BLOCK CLOSURE	E 801-TPAR-04
PEDESTRIAN DETOUR MILTI-BLOCK CLOSURE	E 801-TPAR-05
PEDESTRIAN DETOUR MIDBLOCK CLOSURE	E 801-TPAR-06
TEMPORARY CURB RAMPS	E 801-TPAR-10
TEMPORARY PEDESTRIAN CHANNELIZER	E 801-TPAR-11
IMPACT ATTENUATOR ED LAYOUT	E 601-IAED-01

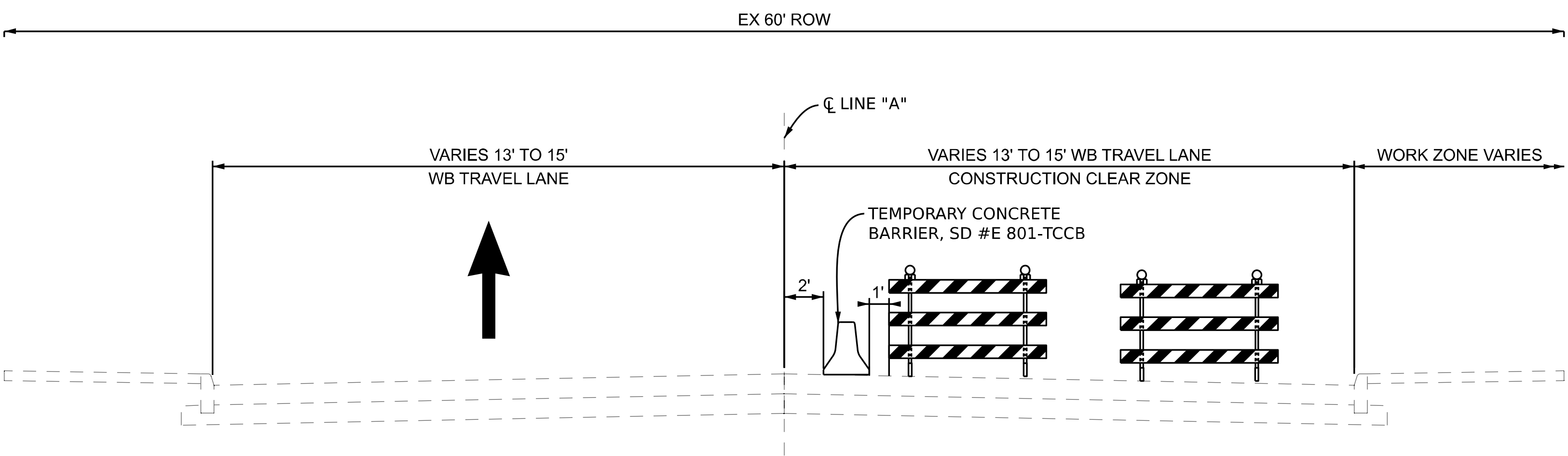
SHEET INDEX

Name	Page #
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Project Information Sheet	1
549 Washington St. Typical Section (6th Ave)	2
549 Washington St. Typical Section (Washington St.)	3
549 Washington St. STG Sheet Phase 1 (6th Ave / Washington St.)	4
549 Washington St. STG Sheet Phase 1 (6th Ave)	5
549 Washington St. Pedestrian Staging Sheet Phase 1 (6th Ave)	6
549 Washington St. Pedestrian Staging Sheet Phase 1 (Washington St.)	7
549 Washington St. Detour Routes (Washington St.)	8



EXISTING 6TH AVE NORMAL SECTION

SECTION APPLIES TO:
MASSACHUSETTS ST TO WASHINGTON ST



6TH AVE MOT PHASE 1

SECTION APPLIES TO:
MASSACHUSETTS ST TO WASHINGTON ST

NOTES:

1. All signs, barricades, and pavement markings shall conform to the latest edition of the Indiana Manual on Uniform Traffic Control Devices for Streets and Highways, INDOT Standard Drawings, and any currently supplements thereto.
2. All signals are to be reviewed in each phase and temporary modifications shall be coordinated by the contractor. Payment for temporary modifications and restoration of all modifications shall be included in the cost of maintaining traffic.
3. Duration of each MOT phase will be in accordance with the special provision for MOT and the project log.

LEGEND

- 34 Temporary Pavement Marking, Removable, 6 IN. (White)
- 35 Temporary Pavement Marking, Removable, 6 IN. (Yellow)
- 36 Temporary Pavement Marking, Removable, 6 IN., Dotted, (White)
- Construction Clear Zone
- MOT Barrels with 50' spacing
- Traffic Flow Arrow
- Type III Barricade
- Temporary Concrete Jersey Barrier
- Building Demolition

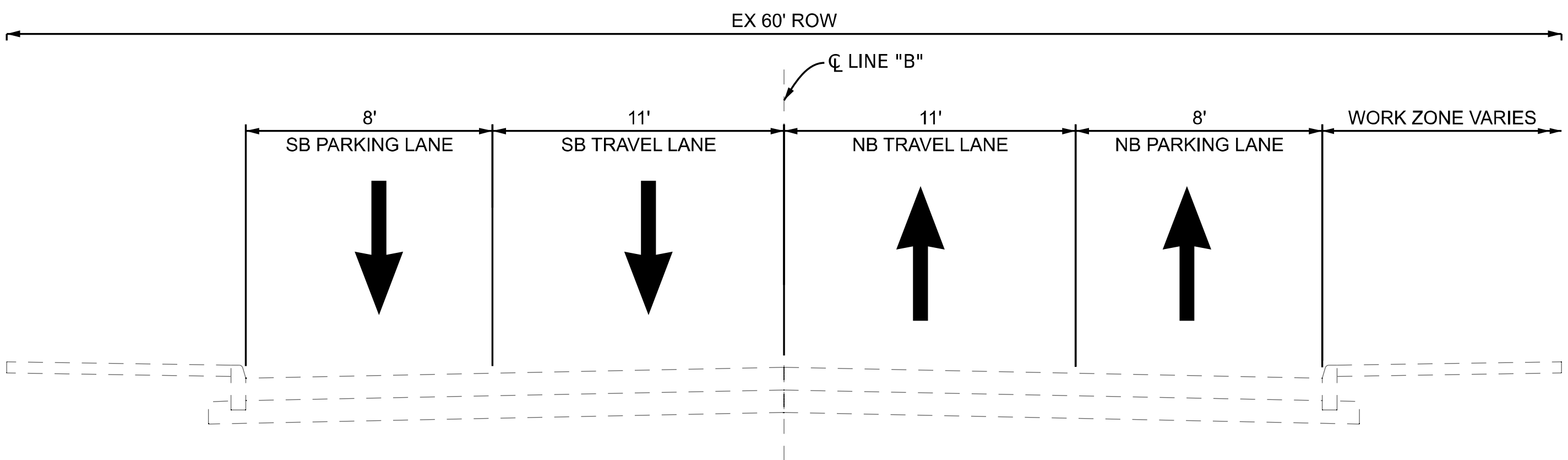
INFRASTRUCTURE ENGINEERING OF MICHIGAN, LLC
3031 W. Grand Blvd| Suite 530 | Detroit, MI 48202
P 317.243.8800 | F 317.243.9100 | www.infrastructure-eng.com

RECOMMENDED FOR APPROVAL	
DESIGNED: MA	5/06/25
DRAWN: MA	5/06/25
CHECKED:	5/06/25

NORTHWEST INDIANA REGIONAL DEVELOPMENT AUTHORITY

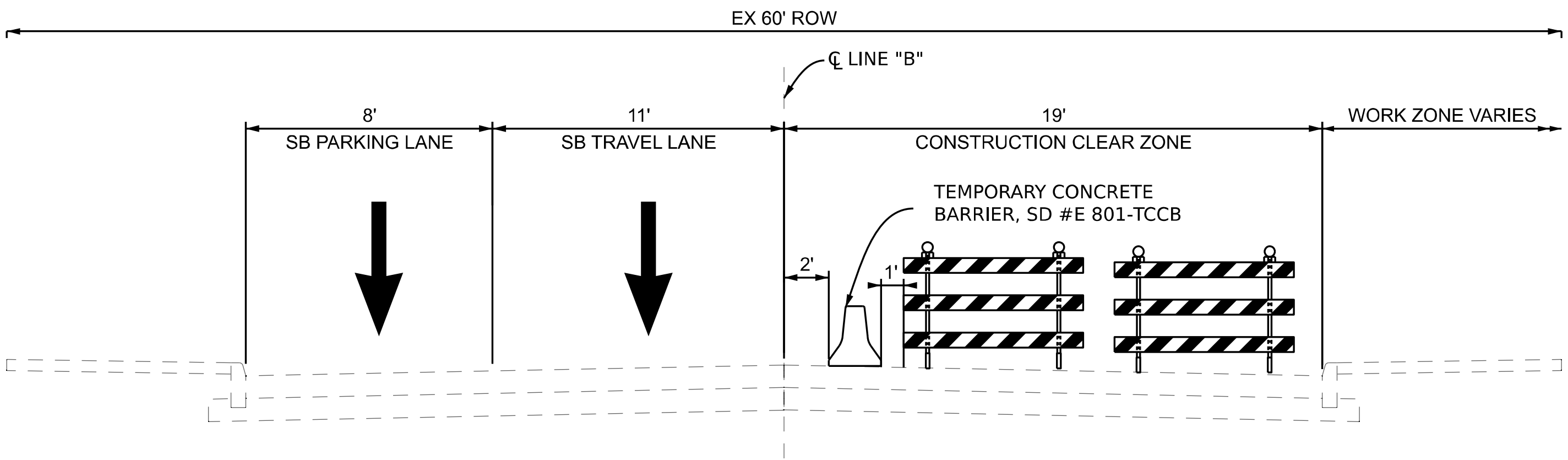
MOT 549 WASHINGTON, PHASE 1 TYPICALS
GARY BLIGHT ELIMINATION PROGRAM

HORIZONTAL SCALE	BRIDGE FILE
N/A	N/A
VERTICAL SCALE	DESIGNATION
N/A	N/A
SURVEY BOOK	SHEETS
TBD	2 of 8
CONTRACT	PROJECT
N/A	GARY INDIANA MOT ROUTES



EXISTING WASHINGTON ST NORMAL SECTION

SECTION APPLIES TO:
W 6TH AVENUE TO 5TH AVENUE



WASHINGTON ST MOT PHASE 1

SECTION APPLIES TO:
W 6TH AVENUE TO THE NORTH SERVICE LOT APPROACH (21ST CENTURY ACADEMY)

NOTES:

1. All signs, barricades, and pavement markings shall conform to the latest edition of the Indiana Manual on Uniform Traffic Control Devices for Streets and Highways, INDOT Standard Drawings, and any currently supplements thereto.
2. All signals are to be reviewed in each phase and temporary modifications shall be coordinated by the contractor. Payment for temporary modifications and restoration of all modifications shall be included in the cost of maintaining traffic.
3. Duration of each MOT phase will be in accordance with the special provision for MOT and the project log.

LEGEND

- 34

Temporary Pavement Marking, Removable, 6 IN. (White)
- 35

Temporary Pavement Marking, Removable, 6 IN. (Yellow)

- 36

Temporary Pavement Marking, Removable, 6 IN., Dotted, (White)
- Construction Clear Zone
- MOT Barrels with 50' spacing
- Traffic Flow Arrow

Type III Barricade

Temporary Concrete Jersey Barrier

Building Demolition



INFRASTRUCTURE
ENGINEERING OF MICHIGAN, LLC
3031 W. Grand Blvd| Suite 530 | Detroit, MI 48202
P 313.243.8800 | F 313.243.9100 | www.infrastructure-eng.com

RECOMMENDED FOR APPROVAL _____
DESIGN ENGINEER _____ DATE _____

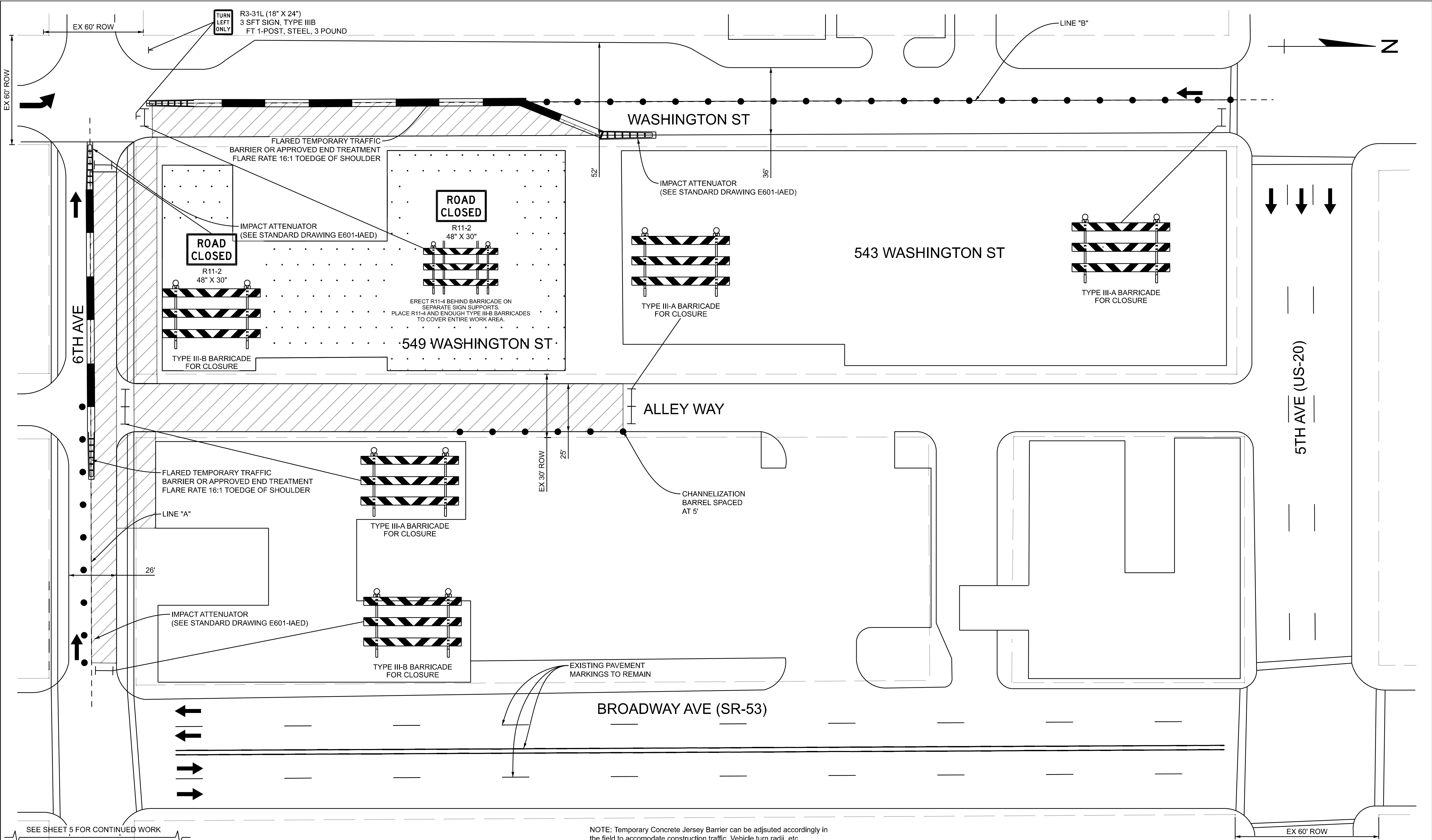
DESIGNED: MA _____ DRAWN: _____

CHECKED: _____ CHECKED: _____

NORTHWEST INDIANA REGIONAL
DEVELOPMENT AUTHORITY

MOT 549 WASHINGTON, PHASE 1 TYPICALS
GARY BLIGHT ELIMINATION PROGRAM

HORIZONTAL SCALE		BRIDGE FILE	
N/A		N/A	
VERTICAL SCALE		DESIGNATION	
N/A		N/A	
SURVEY BOOK		SHEETS	
TBD		3	of 8
CONTRACT		PROJECT	
N/A		GARY INDIANA MOT ROUTES	



LEGEND

34

Temporary Pavement Marking, Removable, 4 IN. (White)

35

Temporary Pavement Marking, Removable, 4 IN. (Yellow)

36

Temporary Pavement Marking, Removable, 4 IN., Dotted, (White)

Construction Clear Zone

MOT Barrels with 50' spacing

Traffic Flow Arrow

Type III Barricade

Temporary Concrete Jersey Barrier

Building Demolition

INFRASTRUCTURE ENGINEERING

OF MICHIGAN, LLC

3031 W. Grand Blvd| Suite 530 | Detroit, MI 48202

P 317.243.8800 | F 317.243.9100 | www.infrastructure-eng.com

RECOMMENDED FOR APPROVAL

DESIGNED: RVE

CHECKED:

DESIGN ENGINEER

DRAWN:

CHECKED:

DATE

NORTHWEST INDIANA REGIONAL DEVELOPMENT AUTHORITY

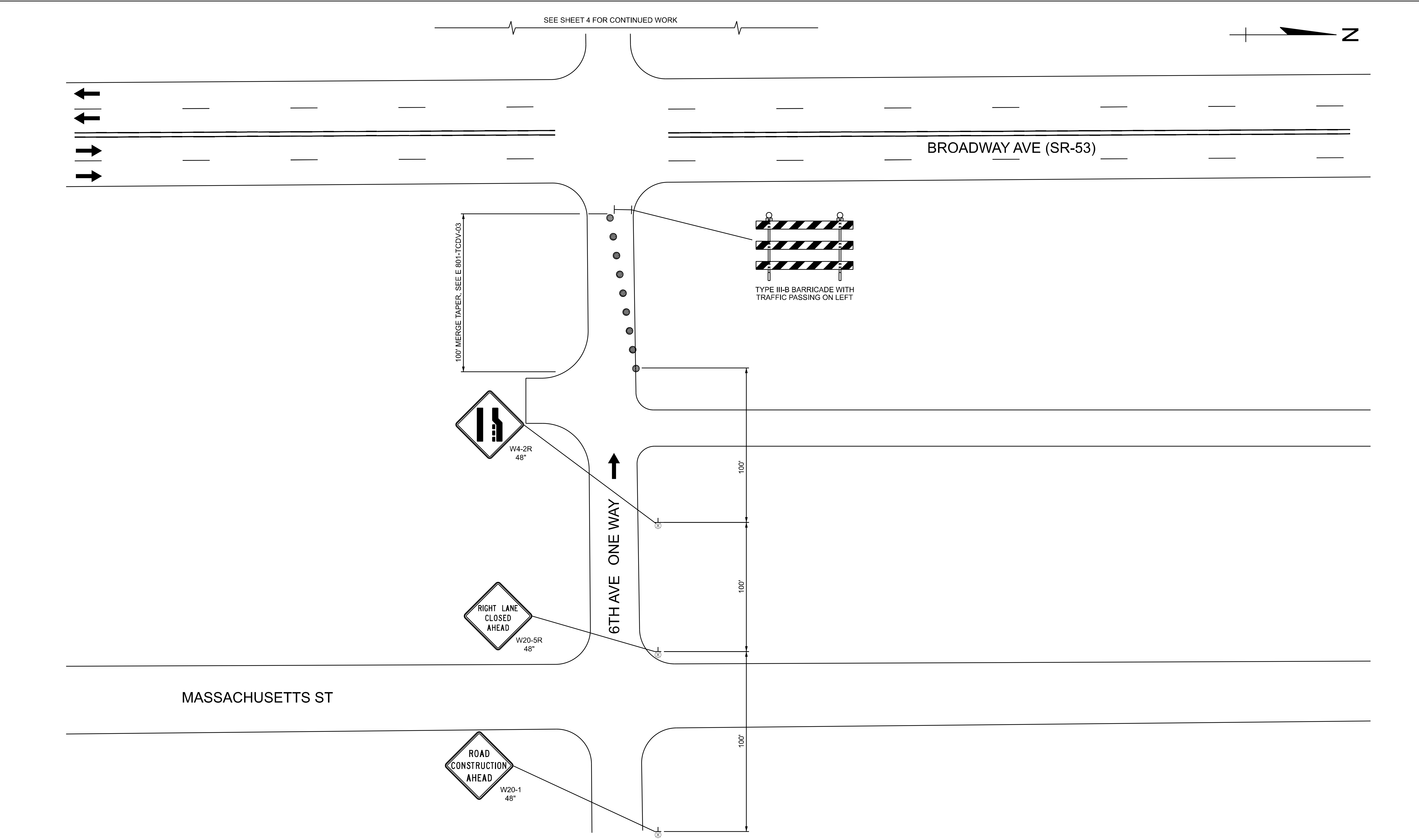
MOT 549 WASHINGTON ST, STAGING SHEET PHASE 1

GARY BLIGHT ELIMINATION PROGRAM

HORIZONTAL SCALE	BRIDGE FILE
N/A	N/A
VERTICAL SCALE	DESIGNATION
N/A	N/A
SURVEY BOOK	SHEETS
TBD	4 of 8
CONTRACT	PROJECT
N/A	GARY INDIANA MOT ROUTES

NOTE: Temporary Concrete Jersey Barrier can be adjusted accordingly in the field to accomodate construction traffic, Vehicle turn radii, etc.

SEE SHEET 5 FOR CONTINUED WORK



LEGEND

34

Temporary Pavement Marking, Removable, 4 IN. (White)

35

Temporary Pavement Marking, Removable, 4 IN. (Yellow)

36

Temporary Pavement Marking, Removable, 4 IN., Dotted, (White)

Construction Clear Zone

MOT Barrels with 50' spacing

Traffic Flow Arrow

Temporary Concrete Jersey Barrier

Building Demolition

INFRASTRUCTURE ENGINEERING

OF MICHIGAN, LLC

3031 W. Grand Blvd| Suite 530 | Detroit, MI 48202

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RECOMMENDED FOR APPROVAL

DESIGN ENGINEER

DATE

DESIGNED: RVE

DRAWN:

CHECKED:

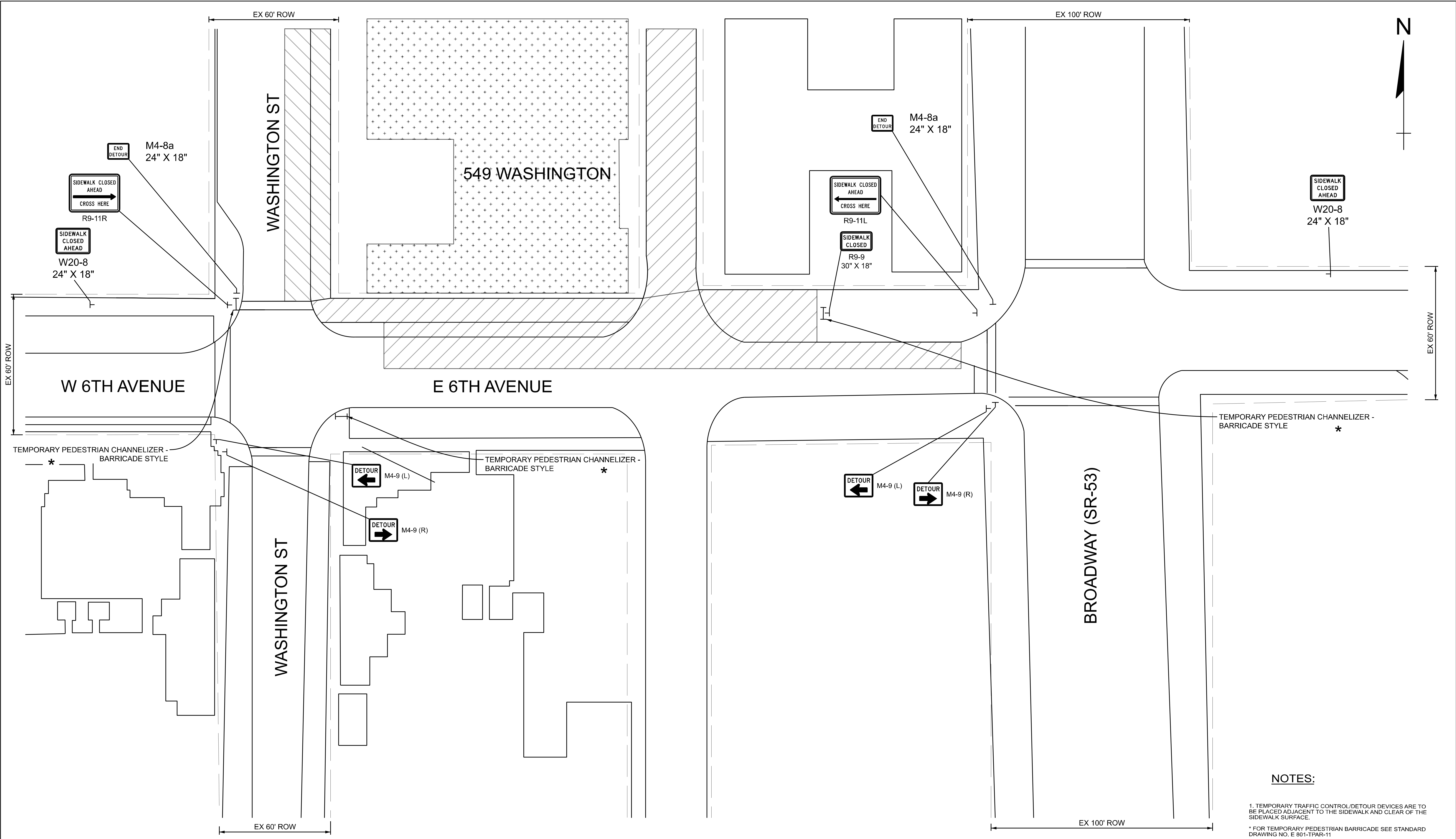
CHECKED:

NORTHWEST INDIANA REGIONAL DEVELOPMENT AUTHORITY

MOT 549 WASHINGTON ST, STAGING SHEET PHASE 1

GARY BLIGHT ELIMINATION PROGRAM

HORIZONTAL SCALE	BRIDGE FILE
N/A	N/A
VERTICAL SCALE	DESIGNATION
N/A	N/A
SURVEY BOOK	SHEETS
TBD	5 of 8
CONTRACT	PROJECT
N/A	GARY INDIANA MOT ROUTES



NOTES:

1. TEMPORARY TRAFFIC CONTROL/DETOUR DEVICES ARE TO BE PLACED ADJACENT TO THE SIDEWALK AND CLEAR OF THE SIDEWALK SURFACE.

* FOR TEMPORARY PEDESTRIAN BARRICADE SEE STANDARD DRAWING NO. E 801-TPAR-11

LEGEND	
34 Temporary Pavement Marking, Removable, 6 IN. (White)	36 Temporary Pavement Marking, Removable, 6 IN., Dotted, (White)
35 Temporary Pavement Marking, Removable, 6 IN. (Yellow)	Construction Clear Zone
	MOT Barrels with 50' spacing
	Traffic Flow Arrow
	Type III Barricade
	Temporary Concrete Jersey Barrier
	Building Demolition

INFRASTRUCTURE
ENGINEERING OF MICHIGAN, LLC
3031 W. Grand Blvd| Suite 530 | Detroit, MI 48202
P 313.243.8800 | F 313.243.9100 | www.infrastructure-eng.com

RECOMMENDED FOR APPROVAL

DESIGN ENGINEER

DATE

DESIGNED: MA

DRAWN:

CHECKED:

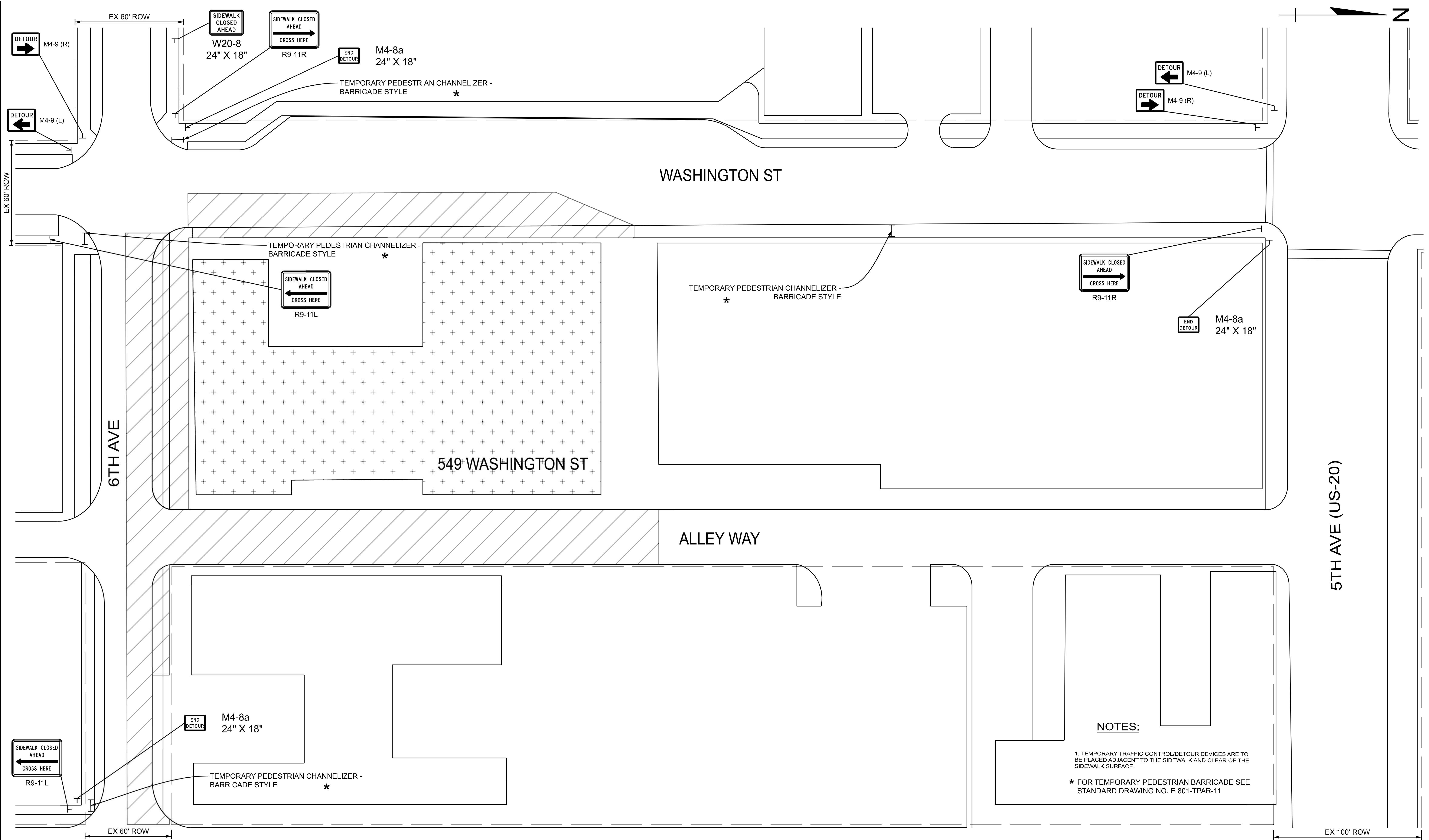
CHECKED:

NORTHWEST INDIANA REGIONAL DEVELOPMENT AUTHORITY

MOT 549 WASHINGTON, PEDESTRIAN STAGING SHEET PHASE 1

GARY BLIGHT ELIMINATION PROGRAM

HORIZONTAL SCALE	BRIDGE FILE
N/A	N/A
VERTICAL SCALE	DESIGNATION
N/A	N/A
SURVEY BOOK	SHEETS
TBD	6 of 8
CONTRACT	PROJECT
N/A	GARY INDIANA MOT ROUTES



NOTES:

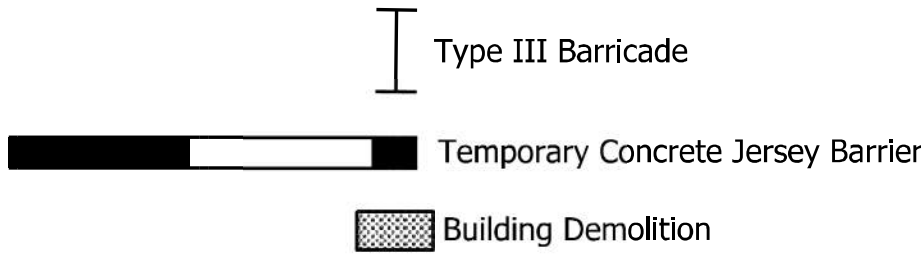
1. TEMPORARY TRAFFIC CONTROL/DETOUR DEVICES ARE TO BE PLACED ADJACENT TO THE SIDEWALK AND CLEAR OF THE SIDEWALK SURFACE.

* FOR TEMPORARY PEDESTRIAN BARRICADE SEE STANDARD DRAWING NO. E 801-TPAR-11

LEGEND

- 34 Temporary Pavement Marking, Removable, 4 IN. (White)
- 35 Temporary Pavement Marking, Removable, 4 IN. (Yellow)

- 36 Temporary Pavement Marking, Removable, 4 IN., Dotted, (White)
- Construction Clear Zone
- MOT Barrels with 50' spacing
- Traffic Flow Arrow



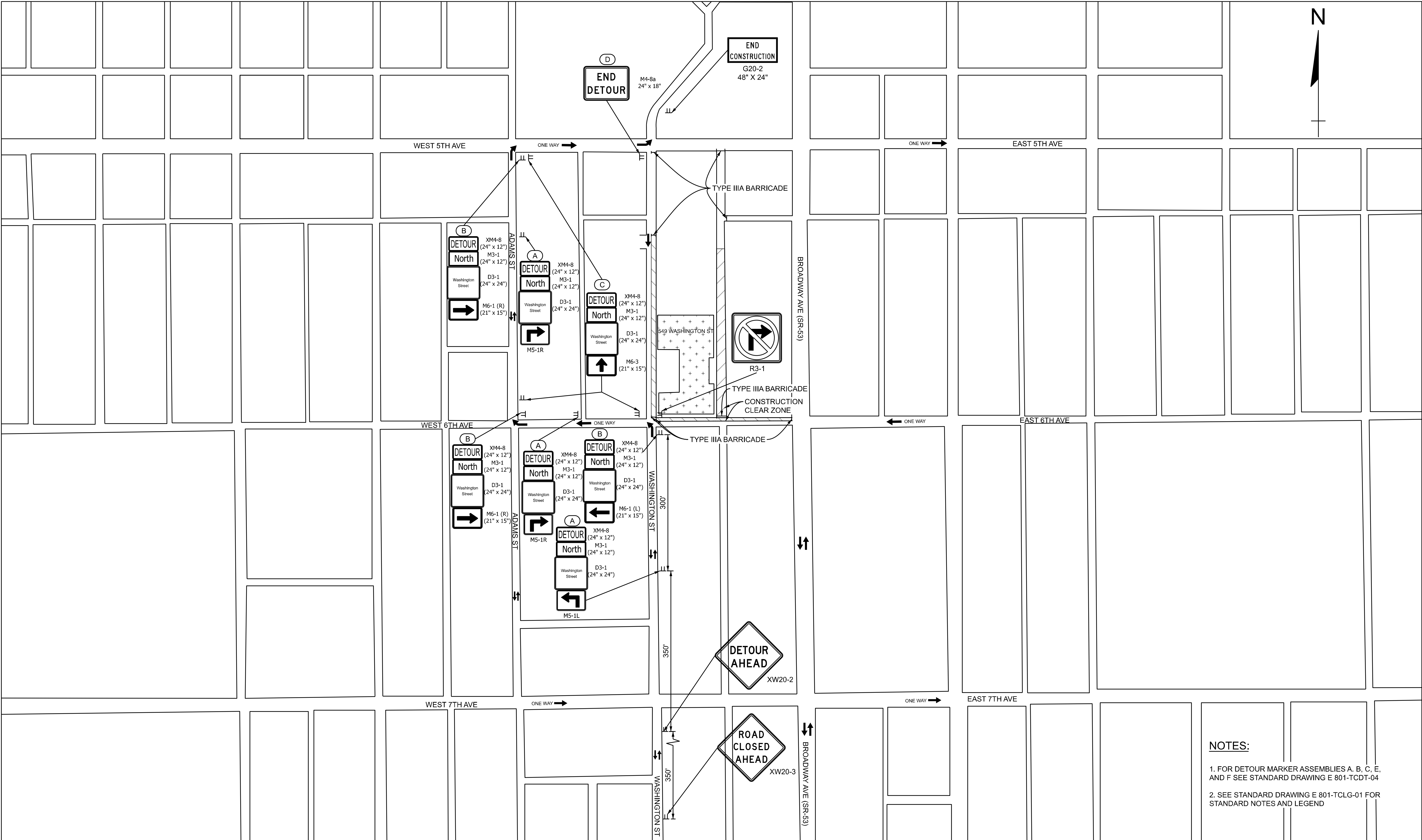
INFRASTRUCTURE ENGINEERING OF MICHIGAN, LLC
3031 W. Grand Blvd | Suite 530 | Detroit, MI 48202
P 317.243.8800 | F 317.243.9100 | www.infrastructure-eng.com

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: RVE	DRAWN:	
CHECKED:	CHECKED:	

NORTHWEST INDIANA REGIONAL DEVELOPMENT AUTHORITY

MOT 549 WASHINGTON, PEDESTRIAN STAGING SHEET PHASE 1
GARY BLIGHT ELIMINATION PROGRAM

HORIZONTAL SCALE	BRIDGE FILE
N/A	N/A
VERTICAL SCALE	DESIGNATION
N/A	N/A
SURVEY BOOK	SHEETS
TBD	7 of 8
CONTRACT	PROJECT
N/A	GARY INDIANA MOT ROUTES



NOTES:

1. FOR DETOUR MARKER ASSEMBLIES A, B, C, E, AND F SEE STANDARD DRAWING E 801-TCDT-04

2. SEE STANDARD DRAWING E 801-TCLG-01 FOR STANDARD NOTES AND LEGEND

LEGEND

- 34

Temporary Pavement Marking, Removable, 6 IN. (White)
- 35

Temporary Pavement Marking, Removable, 6 IN. (Yellow)
- 39

Temporary Pavement Marking, Removable, 6 IN., Dotted, (White)
- Construction Clear Zone
- MOT Barrels with 50' spacing
- Traffic Flow Arrow
- Type III Barricade
- Temporary Concrete Jersey Barrier
- Building Demolition

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P 313.243.9800 | F 313.243.9100 | www.infrastructure-eng.com

RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: AA _____	DRAWN: _____	
CHECKED: _____	CHECKED: _____	

NORTHWEST INDIANA REGIONAL DEVELOPMENT AUTHORITY

MOT - NB WASHINGTON STREET CLOSURE DETOUR
GARY BLIGHT ELIMINATION PROGRAM

HORIZONTAL SCALE	BRIDGE FILE
N/A	N/A
VERTICAL SCALE	DESIGNATION
N/A	N/A
SURVEY BOOK	SHEETS
TBD	8 of 8
CONTRACT	PROJECT
N/A	GARY INDIANA MOT ROUTES

GENERAL NOTES:

1.

Distances shown are typical except minimum distances may be varied based on field conditions.
2.

The spacing of channelizing devices shall be 100 ft where the posted speed limit is 50 m.p.h. or greater.
3.

The spacing of channelizing devices shall be 50 ft where the posted speed limit is less than or equal to 45 m.p.h.
4.

The spacing of channelizing devices on tapers shall be numerically equal in feet to the posted speed limit in m.p.h.
5.

The flashing arrow sign shall not be placed on a sidewalk. The flashing arrow sign shall be placed at a distance of L/3 from the beginning of the taper, where L is the merge taper, see Standard Drawing E 801-TCDV-03.
6.

For temporary lane closures during daylight hours, cones or tubular markers may be used in lieu of drums.
7.

Temporary pavement markings shall not be required for temporary daylight lane closures.
8.

Temporary highway illumination, when specified, shall be as detailed on the plans.

- 9

Once the crossovers have been removed, this line shall be restriped yellow if the pavement is to be used for one-way traffic.
- 10

For Temporary Crossover Type B, this line shall be removed when the traffic pattern is switched.
- 11

The advisory speed plate will not be required when the existing posted speed limit is less than 55 mph.
- 12

Spacing of channelizing devices at this location shall be 20 ft.
- 13

The "Two-Way Traffic" (XW6-3B) and "Do Not Pass" (R4-1-B) signs shall alternate every 2640 ft throughout the two-lane two-way operation.
- 14

For a bridge contract, this distance may be adjusted by the Engineer as required. However, it shall be as close to the minimum as possible.
- 15

Once the crossovers have been removed, this line shall be restriped broken white, if the pavement is to be used for one-way traffic.

SURFACE AREA OF ONE TYPE A TEMPORARY CROSSOVER, SYS	
MEDIAN WIDTH, ft	TYPE A
60	1208
50	1041
40	880
36	814
30	713
26	648

LEGEND

- Flagger

Work area

Flashing arrow sign

Channelizing device

Police car (optional)

Construction sign and supports

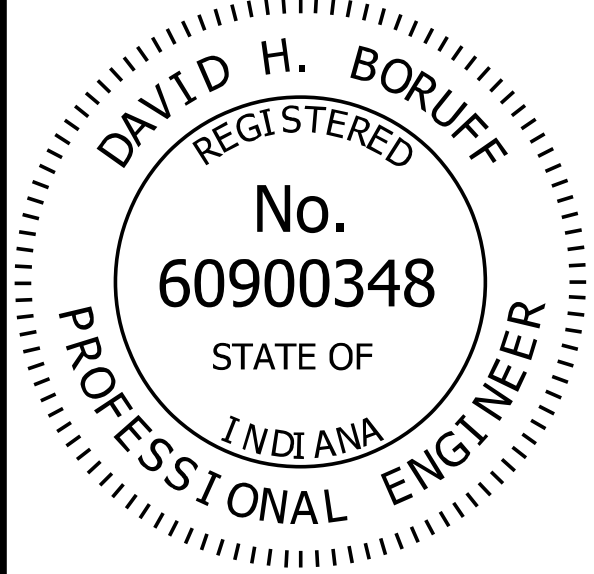
W = Width of offset
- Temporary Pavement Marking
- Removal of pavement markings and prismatic reflectors
- Typical Sign Standard (Road Closure Sign Assembly)
- Type III-A or Type III-B Barricades as required
- Double Headed Flashing Arrow Sign
- Direction of Traffic
- Low intensity construction warning light, Type A

INDIANA DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL
LEGEND AND GENERAL NOTES

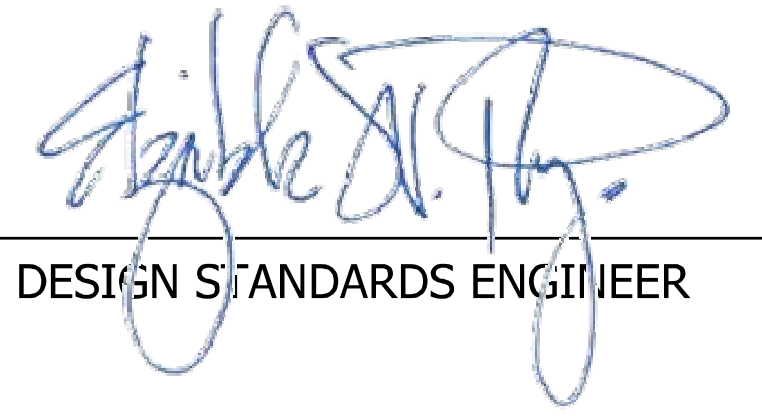
SEPTEMBER 2016

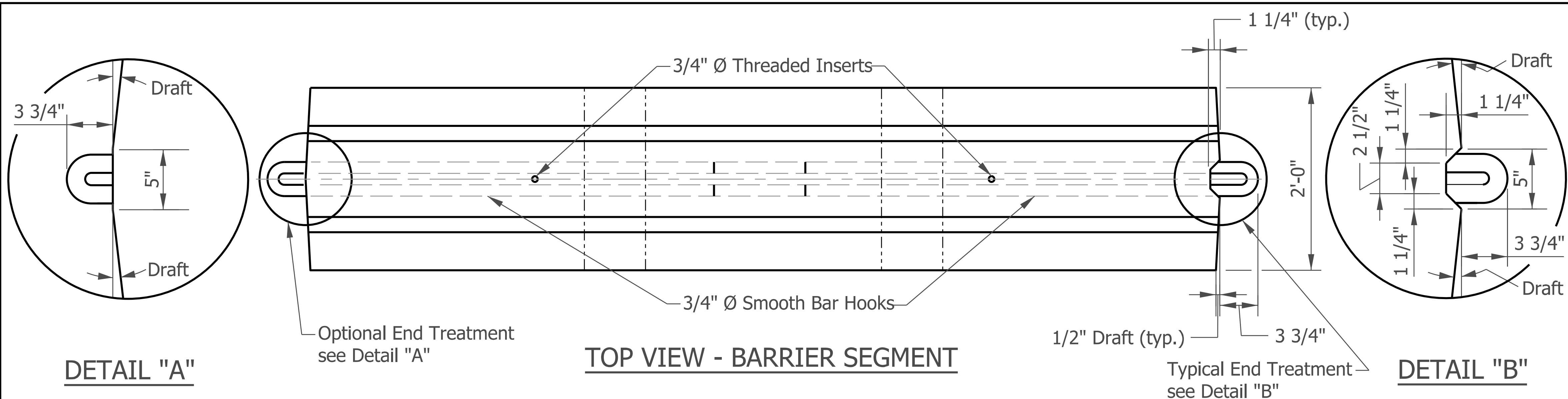
STANDARD DRAWING NO. E 801-TCLG-01



<i>/s/ David H. Boruff</i>	<i>03/02/16</i>
DESIGN STANDARDS ENGINEER	DATE
<i>/s/ Mark A. Miller</i>	<i>03/02/16</i>
CHIEF ENGINEER	DATE

INDEX	
SHEET NO.	SUBJECT
1	Temporary Concrete Barrier Index Sheet
2	Temporary Concrete Barrier Dimensions and Flare Rates
3	Temporary Concrete Barrier Details
4	Temporary Concrete Barrier Double Taper End Section
5	Anchored Temporary Concrete Barrier, Drop-In Anchor
6	Anchored Temporary Concrete Barrier, Ferrule Loop Insert

INDIANA DEPARTMENT OF TRANSPORTATION	
TEMPORARY CONCRETE BARRIER INDEX SHEET	
SEPTEMBER 2019	
STANDARD DRAWING NO. E 801-TCCB-01	
	 DESIGN STANDARDS ENGINEER 5/2/2019 DATE  CHIEF ENGINEER 6/5/2019 DATE



- NOTES:**
1. For freeways and interstates, the maximum barrier flare rate and construction clear zone distance shall be based on 70 mph for the first run of barrier within the construction zone. For subsequent barrier placement, the barrier flare rates and construction clear zone distance shall be based on 70 mph unless otherwise shown on the plans.
 2. The barrier taper flare rate and construction clear zone distance are shown in Table No. 1. Construction clear zone distance is measured from the through travel lane. The barrier taper flare rate shall be as shown or flatter.
 3. The dimensions of the lifting slots are subject to adjustment as necessary to accommodate handling equipment.
 4. For additional connection details see Standard Drawing E 801-TCCB-03.

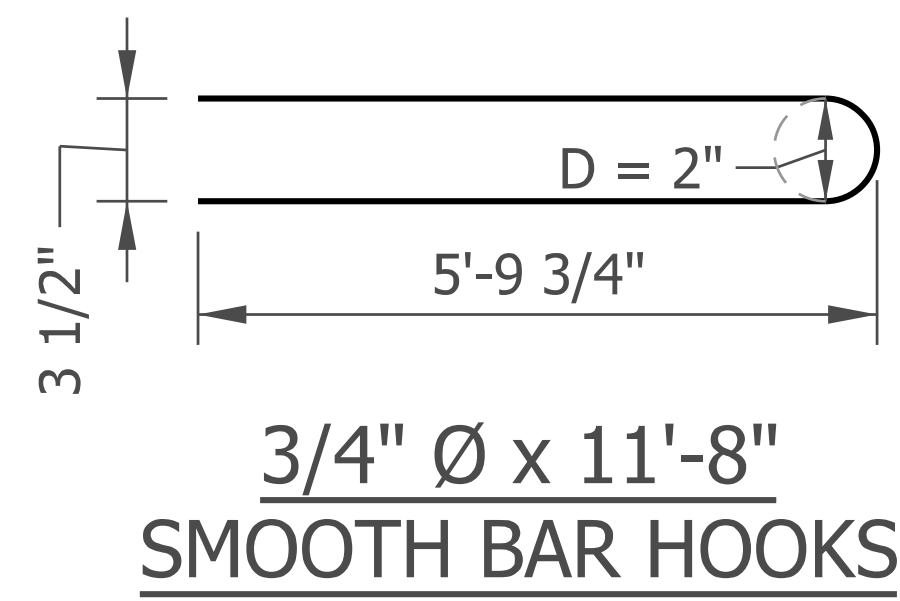
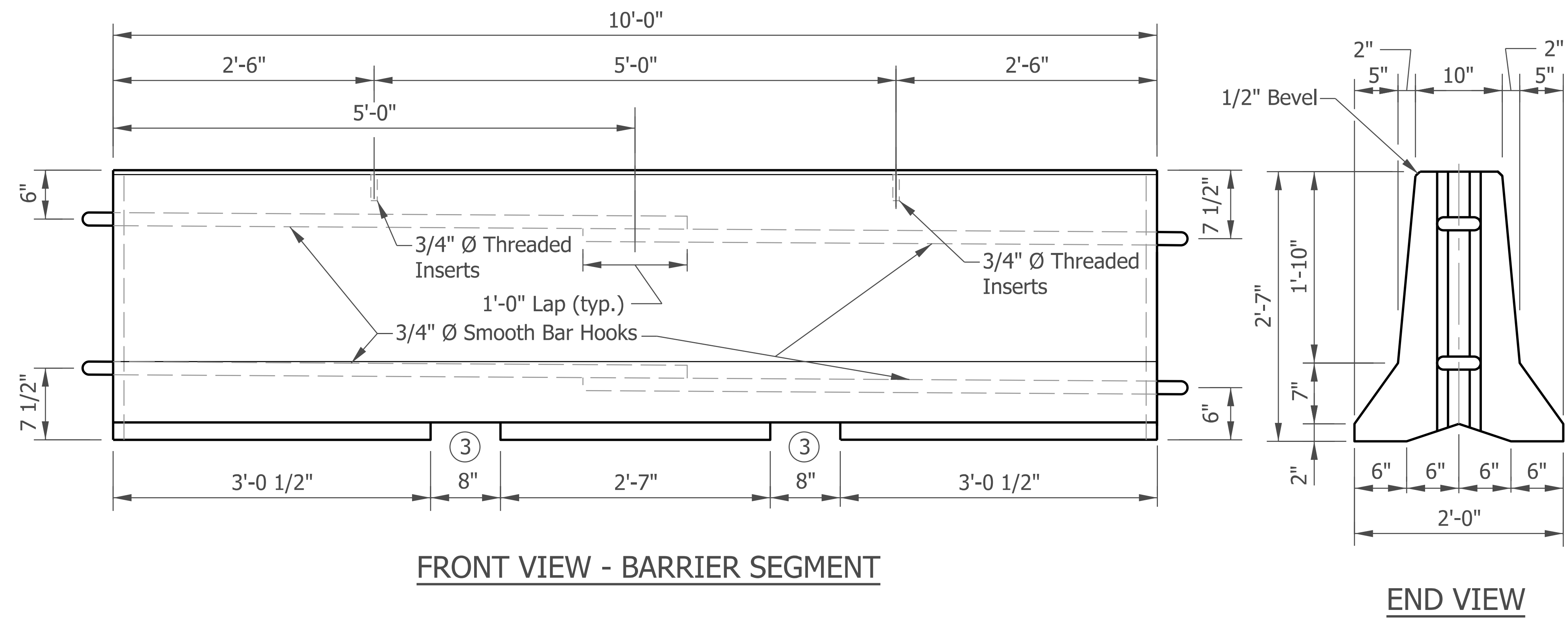


TABLE NO. 1		
Construction Zone Design Speed	Barrier Taper Flare Rate	Construction Clear Zone Distance
70 mph	20:1	30
60 mph	18:1	30
55 mph	16:1	23
50 mph	14:1	16
45 mph	12:1	16
40 mph	10:1	13
≤ 35 mph	10:1	13

INDIANA DEPARTMENT OF TRANSPORTATION

TEMPORARY CONCRETE BARRIER
DIMENSIONS AND FLARE RATES

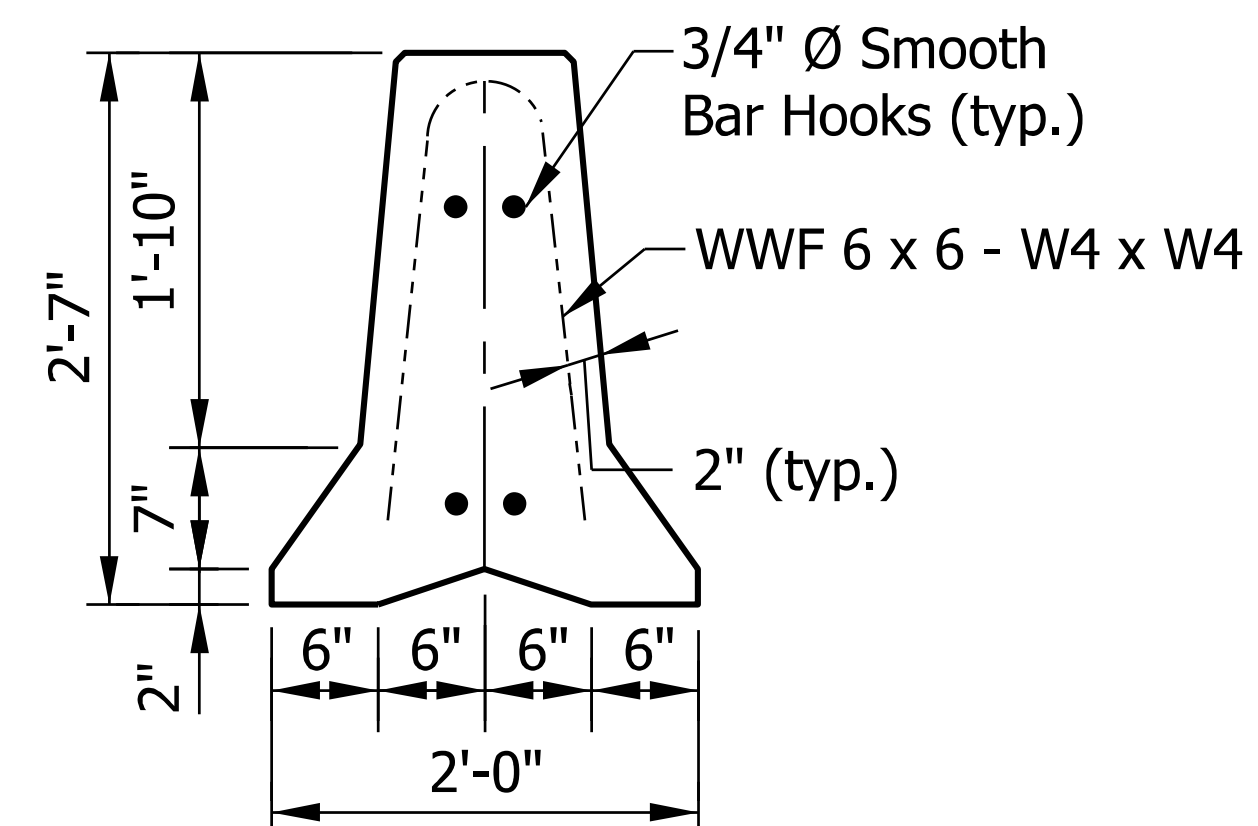
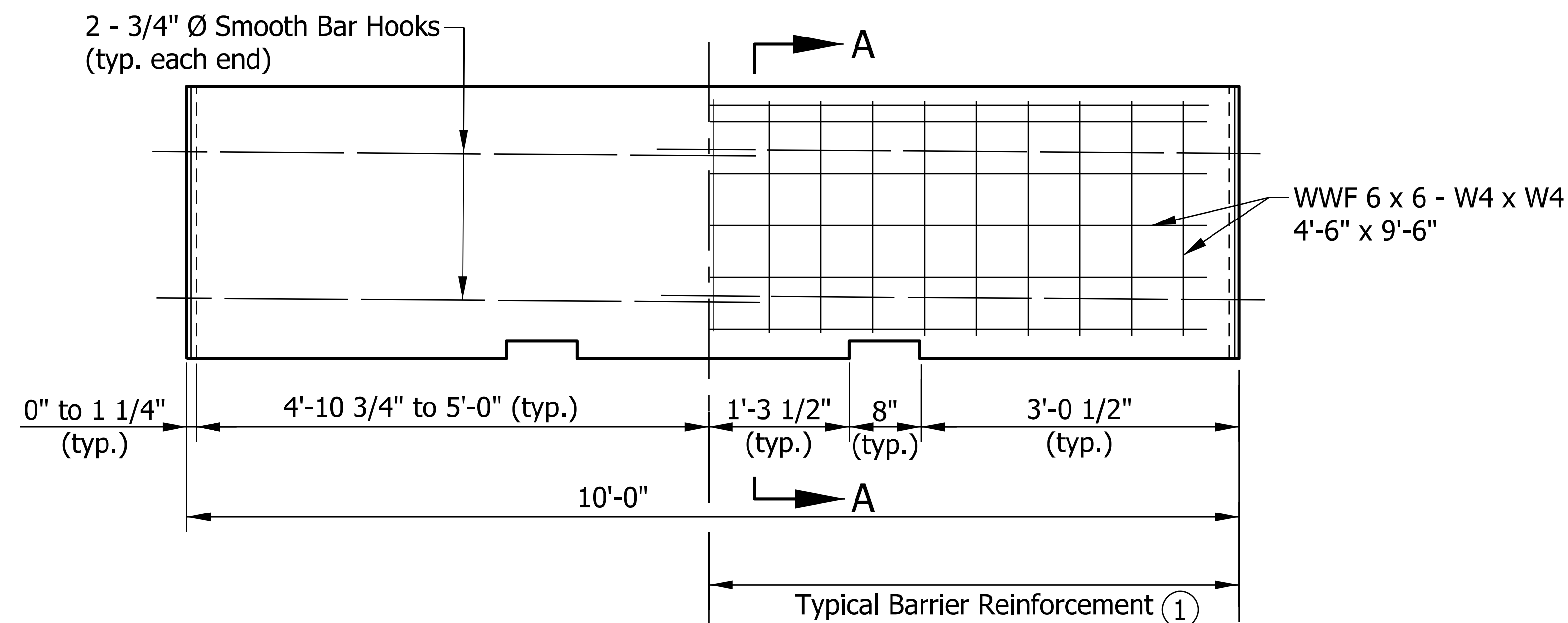
SEPTEMBER 2024

STANDARD DRAWING NO. E 801-TCCB-02

ELIZABETH P. MOUSER
REGISTERED
No.
10200124
STATE OF
INDIANA
PROFESSIONAL ENGINEER

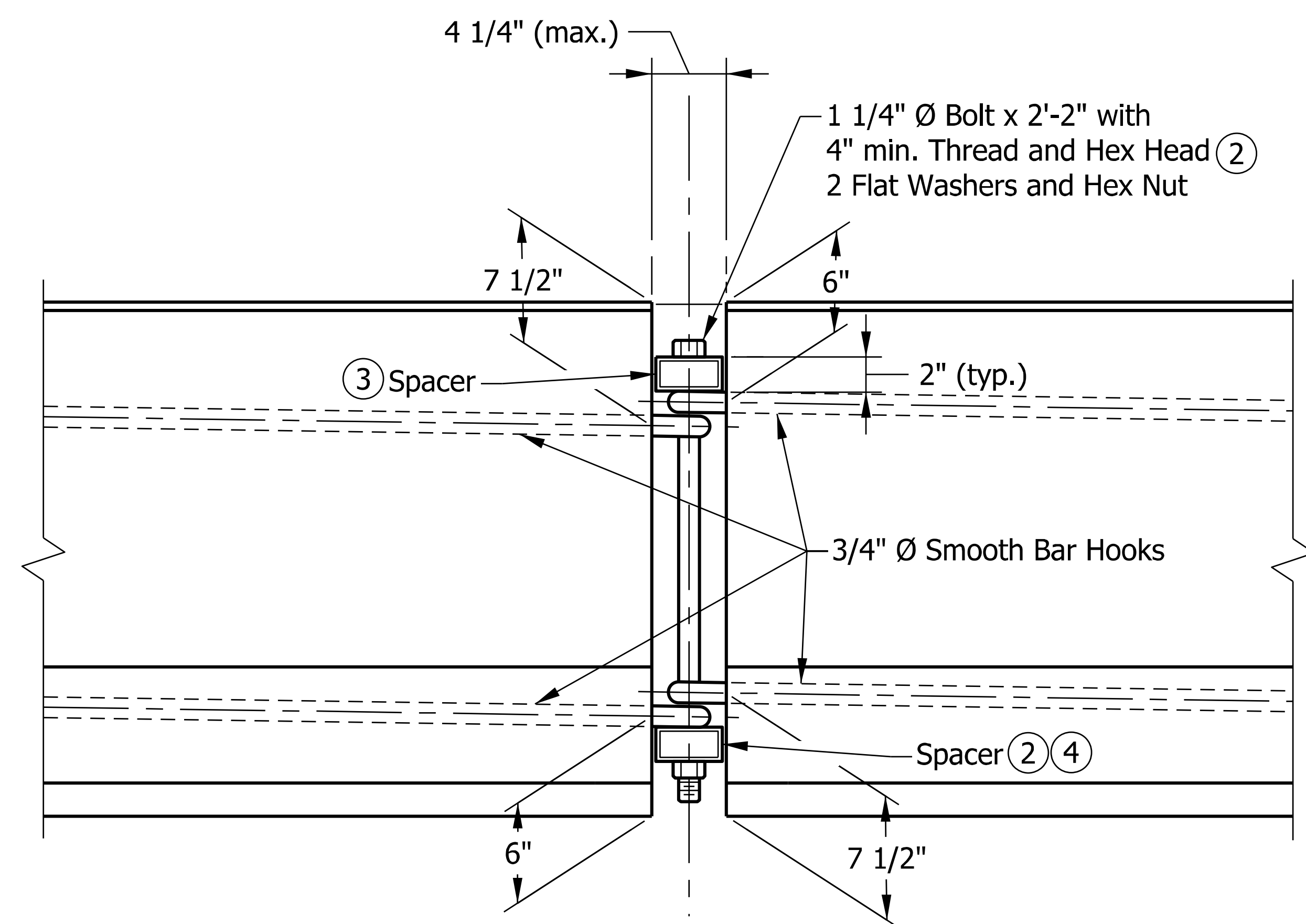

DESIGN STANDARDS ENGINEER
04/09/2024
DATE


CHIEF ENGINEER
04/17/2024
DATE



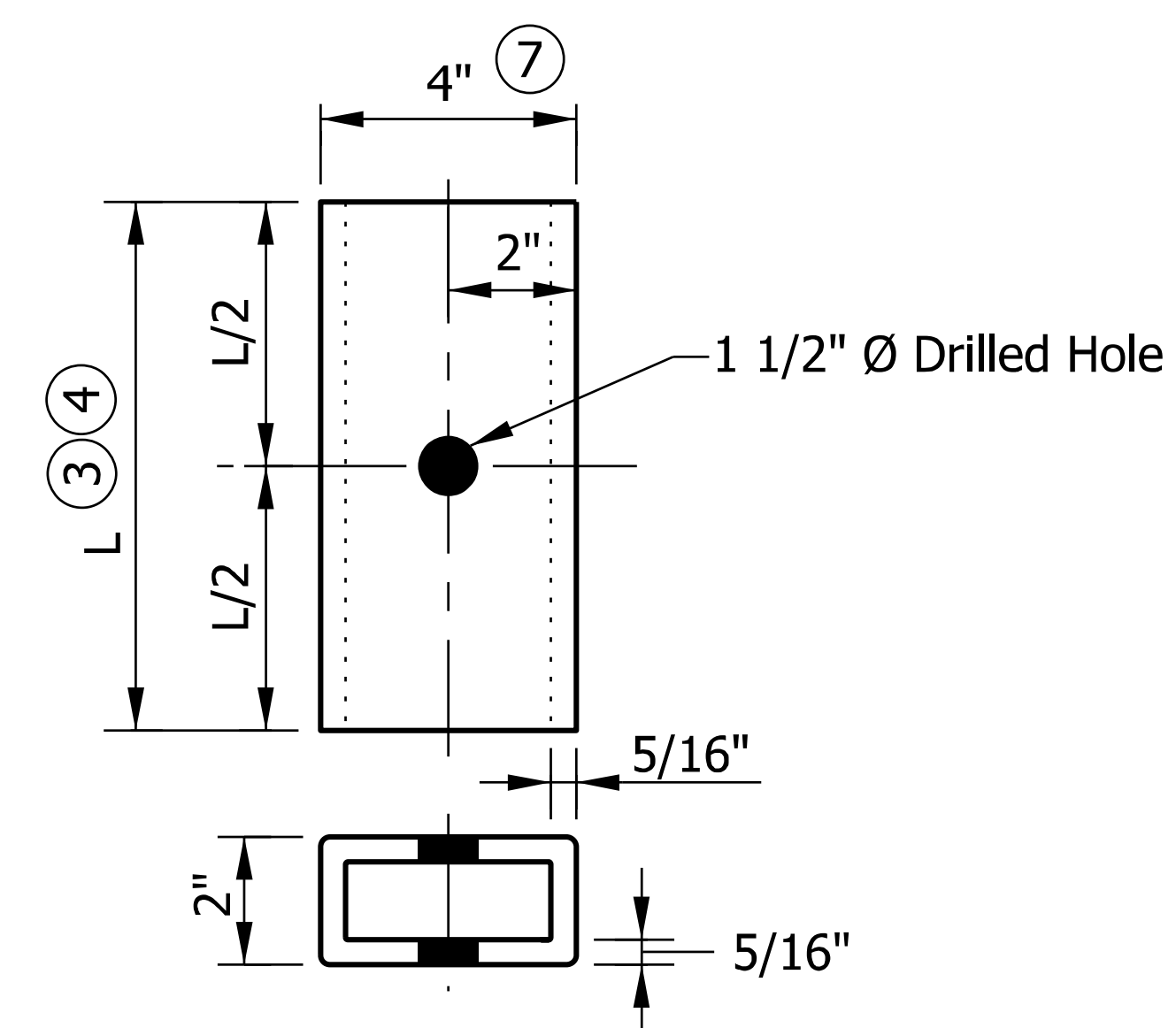
SECTION A-A ①

REINFORCEMENT DETAILS



FRONT VIEW

CONNECTION DETAIL



SPACER DETAIL

NOTES:

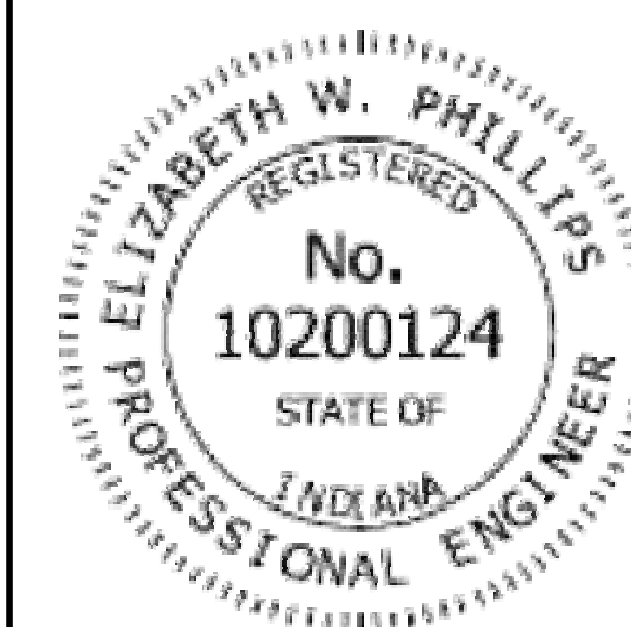
- ① Section A-A shows reinforcement with welded wire fabric. The WWF may be bent to the shape of the wall.
- ② Hex nut may be tack welded to bottom spacer to facilitate installation and removal. Bolts shall be torqued only to tight condition. Clearance between the spacer and the ends of the barrier shall allow angular deflection at the joints to allow flare rate 11:1 or flatter.
- ③ Top spacer TS 4" x 2" x 5/16" x 10" long.
- ④ Bottom spacer TS 4" x 2" x 5/16" x 1'-4" long.
5. Where necessary to meet short radius curving alignment, the shorter top spacer (10") may be substituted for the standard bottom spacer (16").
6. For additional connection details see Standard Drawing E 801-TCCB-02.
- ⑦ Where very short radius curving alignment is encountered, spacers may be TS 3" x 2" x 1/4" x the appropriate length as shown above.
8. In lieu of the connection detail shown, the J-J Hook temporary barrier connection of Easi-Set Industries as described in FHWA eligibility letter B-52 of March 26, 1999 may be used.

INDIANA DEPARTMENT OF TRANSPORTATION

TEMPORARY CONCRETE BARRIER
DETAILS

SEPTEMBER 2019

STANDARD DRAWING NO. E 801-TCCB-03



Elizabeth W. Phillips

5/2/2019

DESIGN STANDARDS ENGINEER

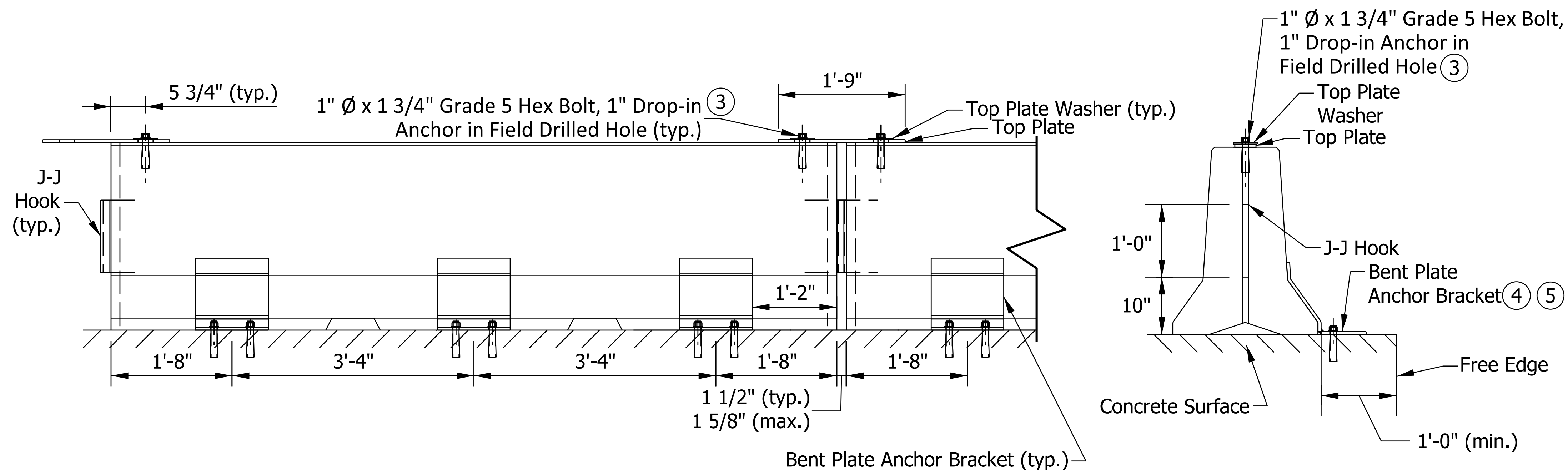
DATE

David A. Phillips

6/5/2019

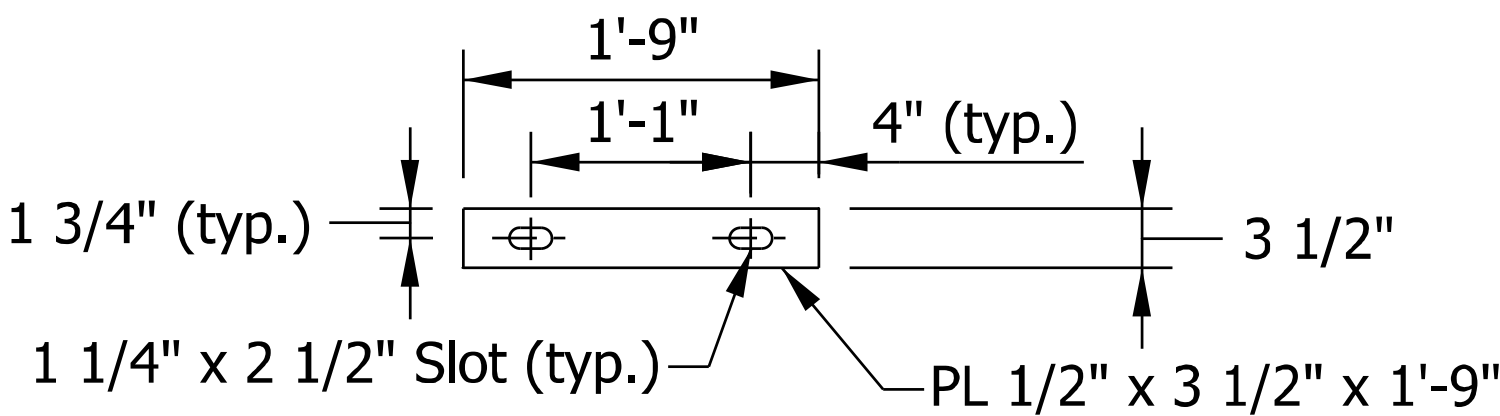
CHIEF ENGINEER

DATE

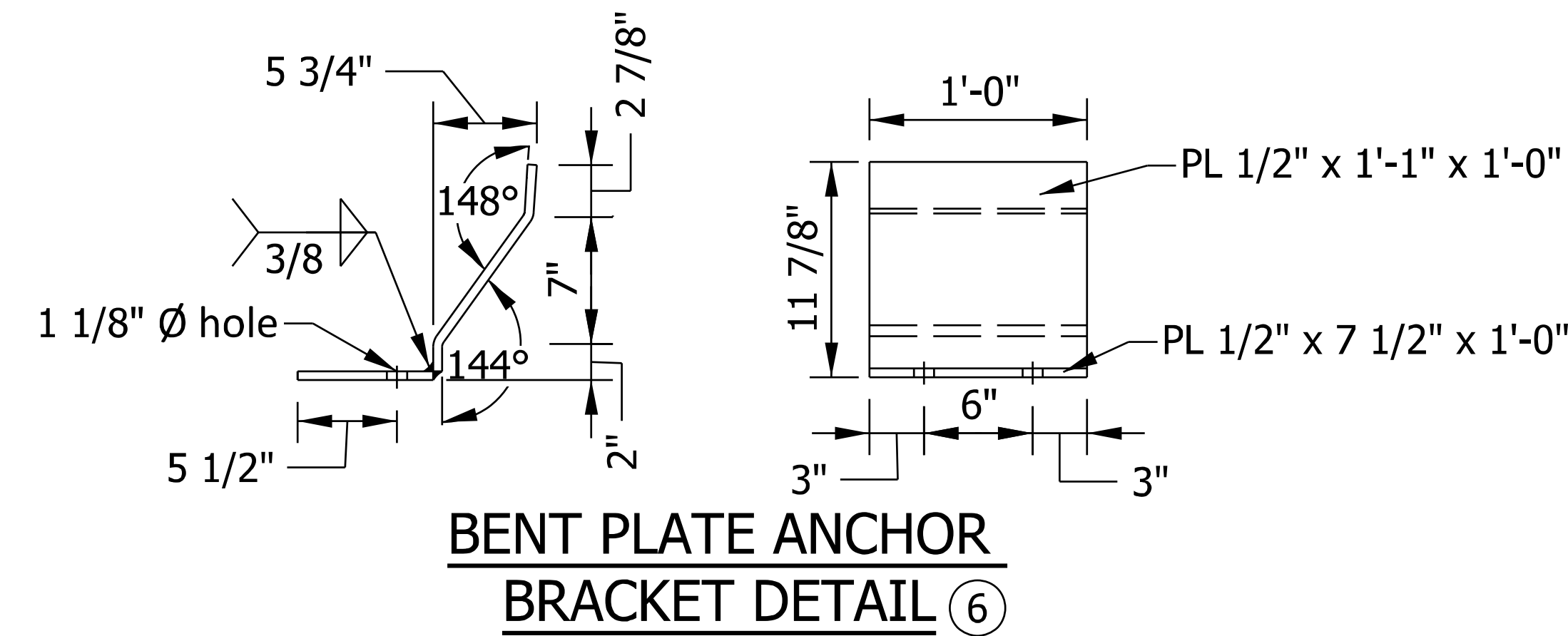


BARRIER FRONT VIEW

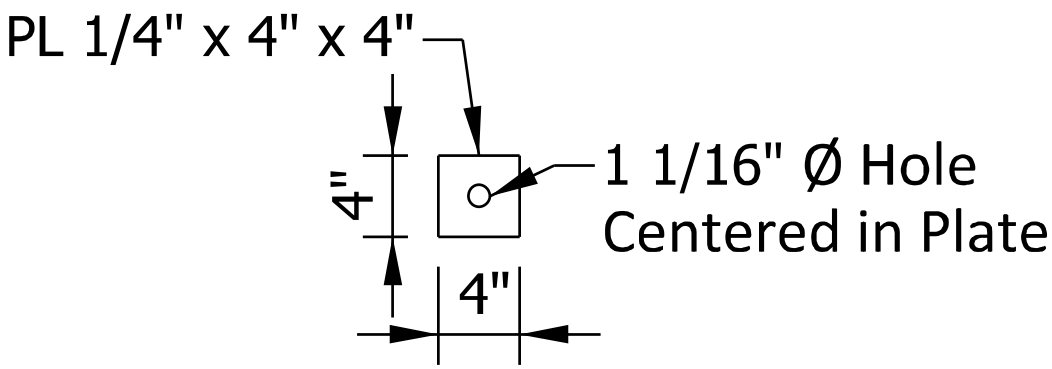
END VIEW



TOP PLATE DETAIL



BENT PLATE ANCHOR BRACKET DETAIL ⑥

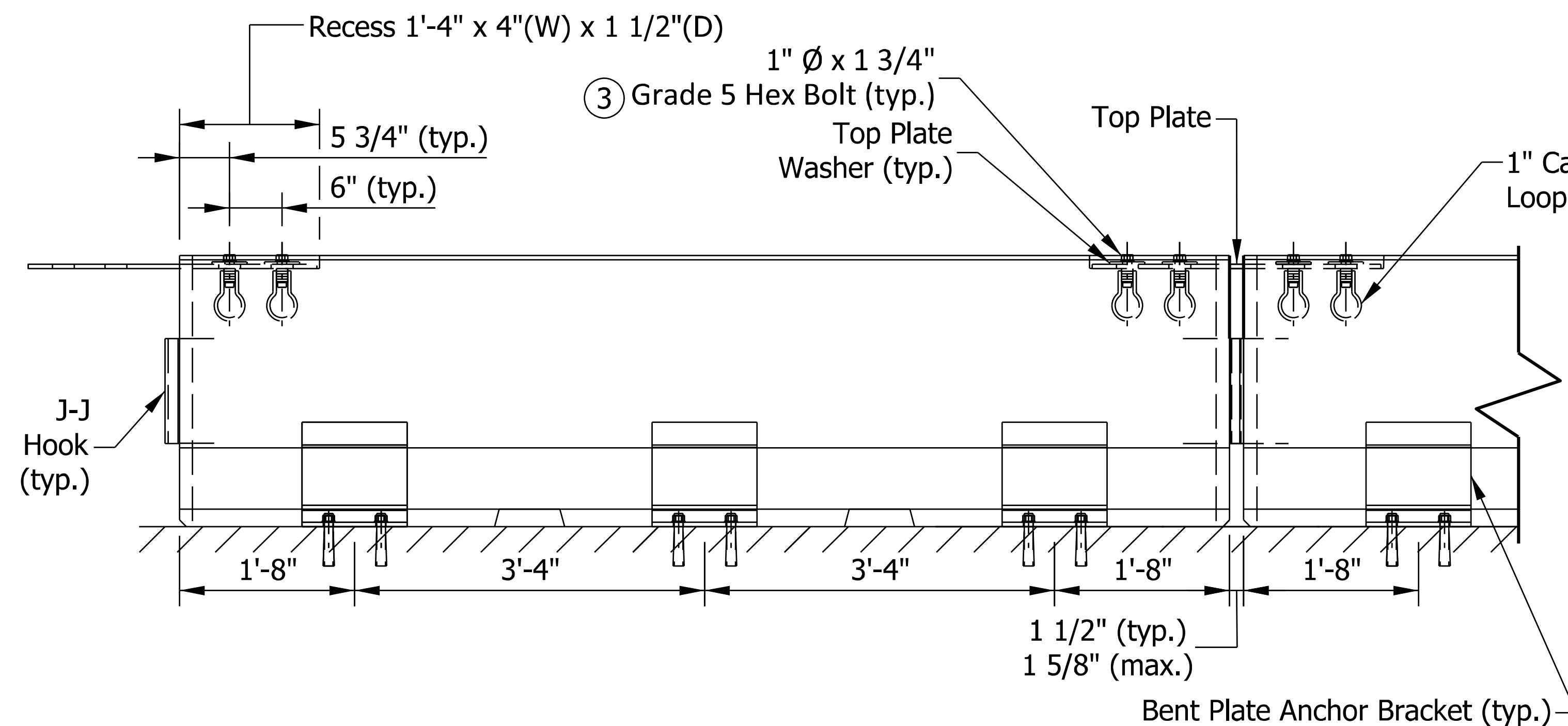


TOP PLATE WASHER DETAIL

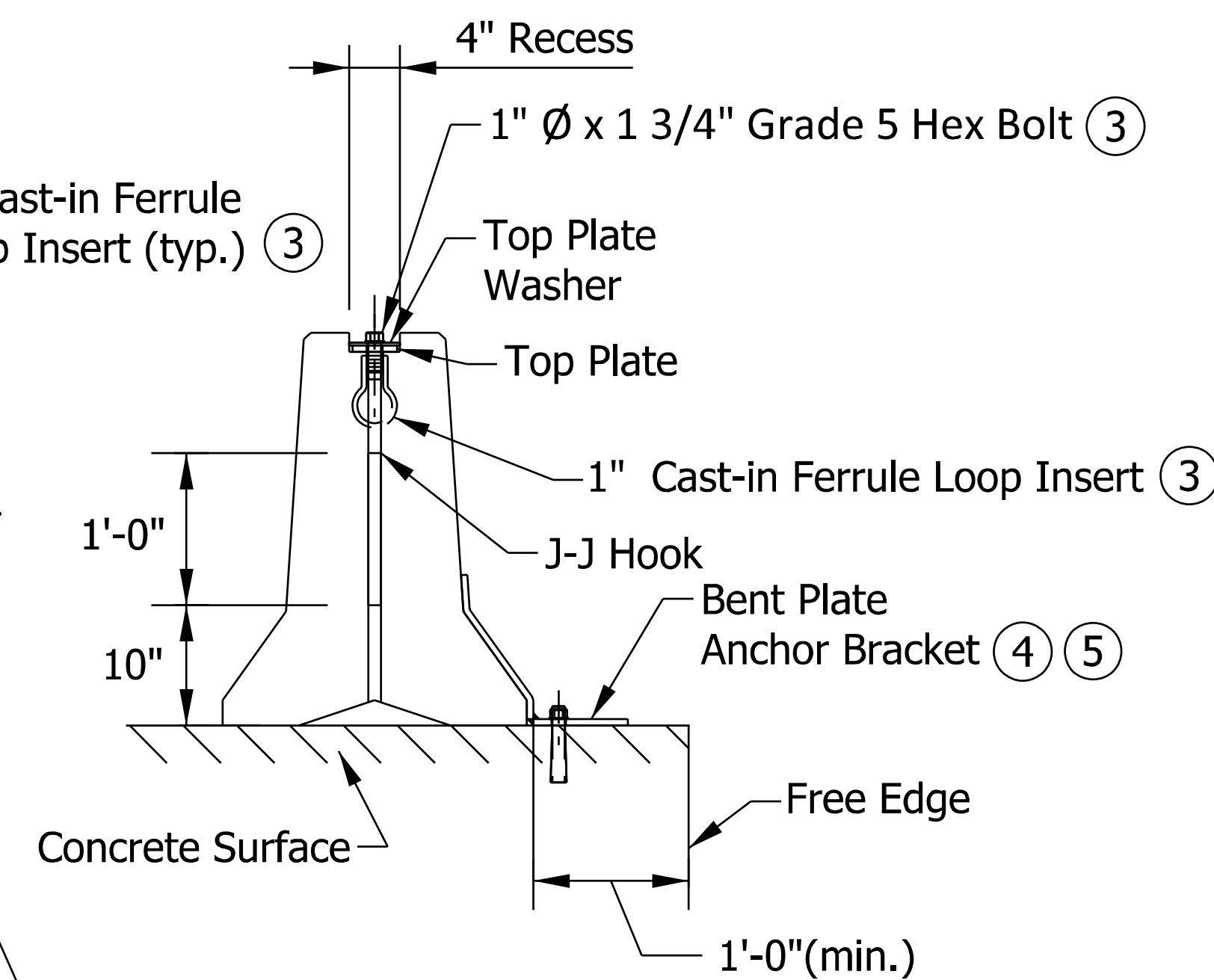
NOTES:

1. All steel shall be ASTM A-36 hot rolled unless otherwise noted.
2. J-J Hooks are a product of Easi-Set Worldwide. Hooks shall be cast into the barrier in accordance with the manufacturer's recommendations.
- ③ The drop-in anchor and bolt shall be tightened to the anchor manufacturer's specifications. The anchor shall have a minimum ultimate shear capacity of 26.4 kips.
- ④ Bent plate anchor bracket shall be attached to a concrete surface using one of the following anchor systems. Minimum embedment shall be in accordance with the manufacturer's recommendations, but not less than 4 1/2 in.
 - 1-in. threaded rod, grade 55 minimum, with washer and nut. Rod shall be installed using an approved epoxy chemical anchor system with a minimum ultimate shear capacity of 21.2 kips: or
 - 1-in. diameter wedge anchor; or
 - 1-in. nominal diameter drop-in anchor with 1-in. diameter, grade 5 hex bolt.
- ⑤ When concrete will remain in place after anchoring is removed, the threaded rod anchoring system shall be used. The rod shall be completely removed, the hole shall be blown out to remove any moisture or debris, and the hole completely filled using the same epoxy that was used for anchoring the rod.
- ⑥ A single bent plate anchor bracket may be used instead of the two-plate detail as shown.

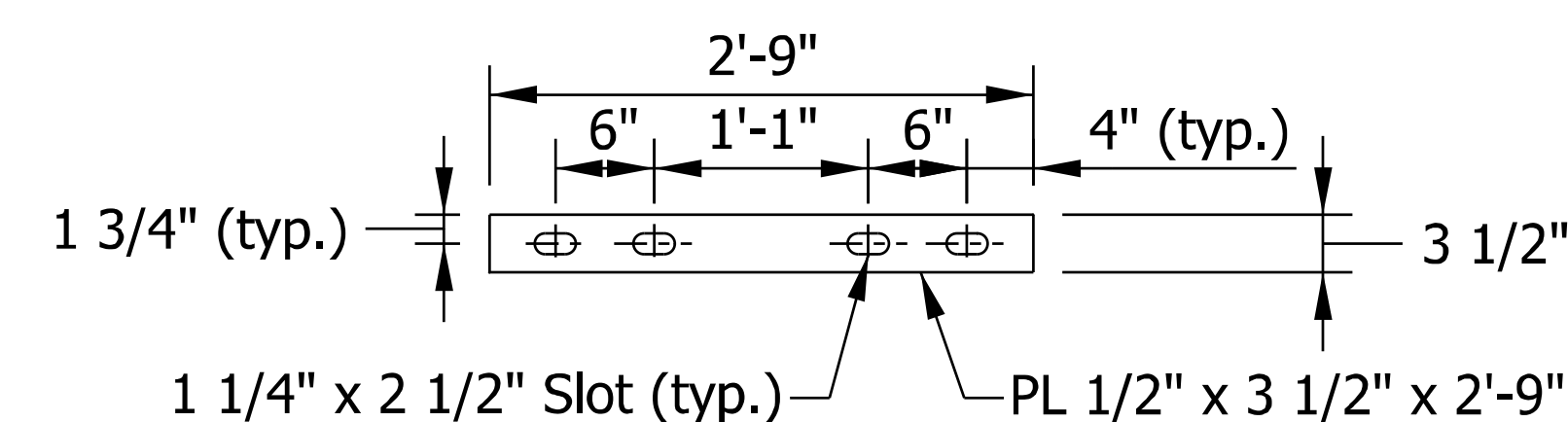
INDIANA DEPARTMENT OF TRANSPORTATION			
ANCHORED TEMPORARY CONCRETE BARRIER, DROP-IN ANCHOR SEPTEMBER 2019			
STANDARD DRAWING NO.		E 801-TCCB-05	
			5/29/2019
	DESIGN STANDARDS ENGINEER		DATE
			6/5/2019
	CHIEF ENGINEER		DATE



BARRIER FRONT VIEW



END VIEW



TOP PLATE DETAIL

NOTES:

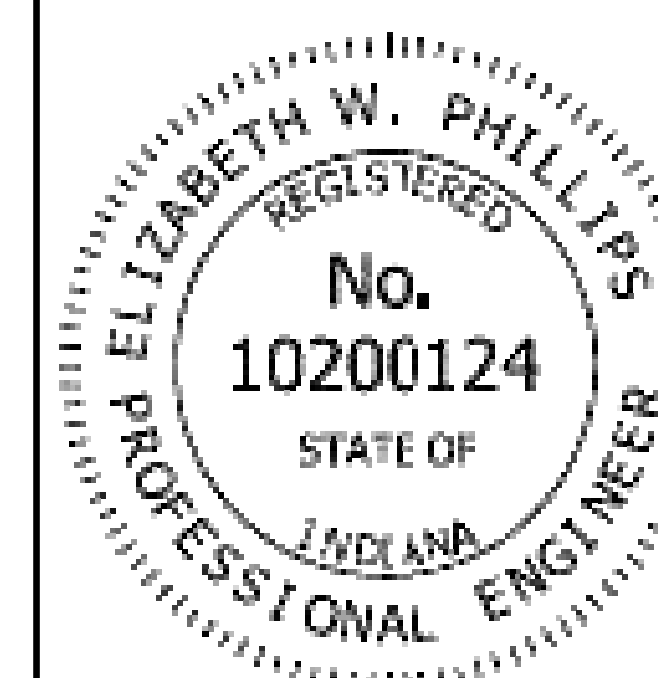
1. All steel shall be ASTM A-36 hot rolled unless otherwise noted.
2. J-J Hooks are a product of Easi-Set Worldwide. Hooks shall be cast into the barrier in accordance with the manufacturer's recommendations.
- 3 The bolt shall be installed snug tight in the cast-in ferrule loop insert. The insert shall have a minimum ultimate shear capacity of 12.1 kips.
- 4 Bent plate anchor bracket shall be attached to a concrete surface using one of the following anchor systems. Minimum embedment shall be in accordance with the manufacturer's recommendations, but not less than 4 1/2 in.
 - 1-in. threaded rod, grade 55 minimum, with washer and nut. Rod shall be installed using an approved epoxy chemical anchor system with a minimum ultimate shear capacity of 21.2 kips: or
 - 1-in. diameter wedge anchor; or
 - 1-in. nominal diameter drop-in anchor with 1-in. diameter, grade 5 hex bolt.
- 5 When concrete will remain in place after anchoring is removed, the threaded rod anchoring system shall be used. The rod shall be completely removed, the hole shall be blown out to remove any moisture or debris, and the hole completely filled using the same epoxy that was used for anchoring the rod.
6. See E 801-TCCB-05 for bent plate anchor details, top plate washer details, and additional notes.

INDIANA DEPARTMENT OF TRANSPORTATION

ANCHORED TEMPORARY
CONCRETE BARRIER,
FERRULE LOOP INSERT

SEPTEMBER 2019

STANDARD DRAWING NO. E 801-TCCB-06



Elizabeth W. Phillips
DESIGN STANDARDS ENGINEER

5/29/2019

DATE

[Signature]
CHIEF ENGINEER

6/5/2019

DATE

INDEX	
SHEET NO.	SUBJECT
1	Traffic Control Devices Index and General Notes
2	Channelizing Devices
3	Merge or Shift Taper
4	Channelizing Devices Usage
5	Type III Barricade
6	Typical Construction Sign Mounting
7	Type III Barricade Application for Road Closure for Thru Traffic
8	Type III Barricade Application for Road Closure to All Traffic

GENERAL NOTES:

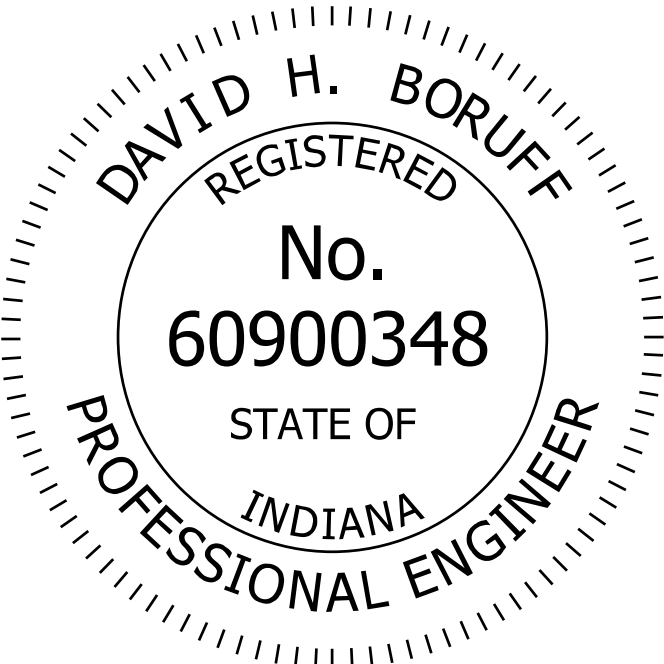
1. Unless otherwise noted, channelizing devices in tangent sections shall be 100 ft where the permanent posted speed limit is 50 m.p.h. or greater, and the spacing shall be 50 ft where the permanent posted speed limit is less than or equal to 45 m.p.h.
2. Unless otherwise noted, the spacing of channelizing devices in tapers shall be equal in feet to the permanent posted speed limit in m.p.h.
3. All channelizing devices shall satisfy NCHRP 350 or MASH crash evaluation criteria.
4. It is not necessary to delineate a drop-off of 3 in. or less adjacent to active travel lanes. Where channelizing devices are used to delineate drop-offs of 3 in. or less adjacent to active travel lanes, at least 33 in. of the device shall be above the adjoining pavement surface. Where channelizing devices are used to delineate a drop-off greater than 3 in. adjacent to active travel lanes, at least 27 in. of the device shall be above the adjoining pavement surface and a Type C warning light shall be attached to the top of the device (on the pavement side). In no case shall more than 9 in. of the device be below the adjoining pavement surface.
5. The proper orientation in respect to approaching vehicular traffic shall be maintained on channelizing devices. Drums are the preferred channelizing device in a tight radius curve and at intersections.
6. **Short-term stationary**, work that occupies a location for more than one hour within a single daylight period.
Intermediate-term stationary, work that occupies a location for more than one daylight period up to three days, or nighttime work lasting more than one hour.
Long-term stationary, work that occupies a location for more than three days.

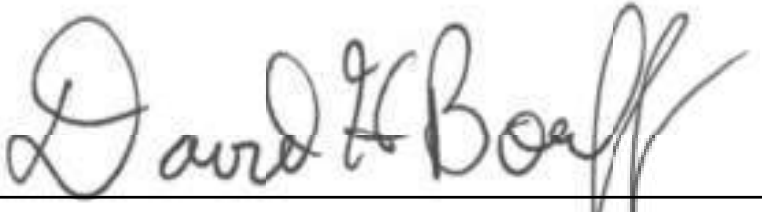
INDIANA DEPARTMENT OF TRANSPORTATION

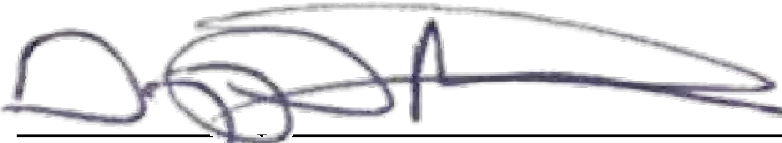
TRAFFIC CONTROL DEVICES
INDEX AND GENERAL NOTES

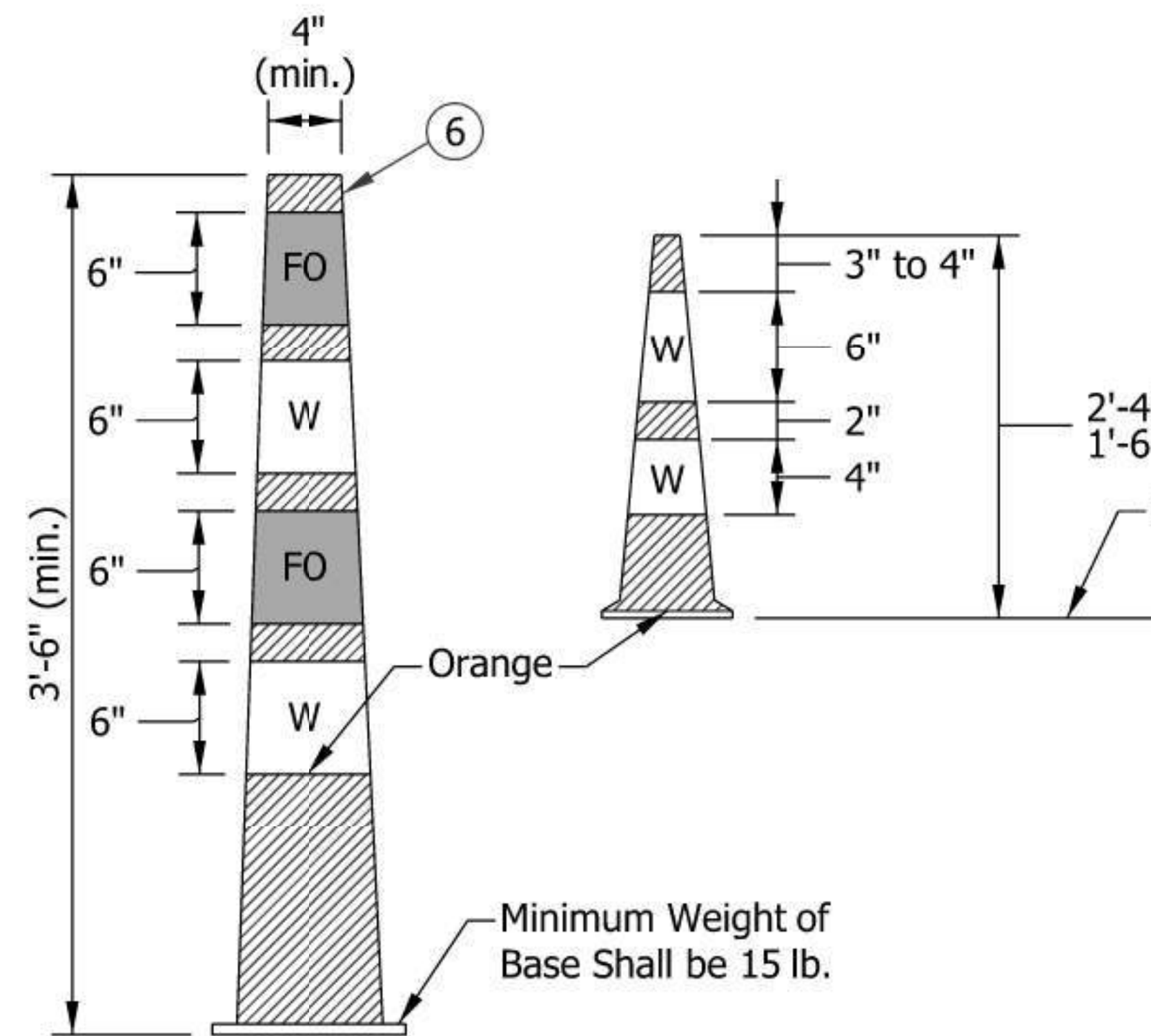
SEPTEMBER 2022

STANDARD DRAWING NO. E 801-TCDV-01

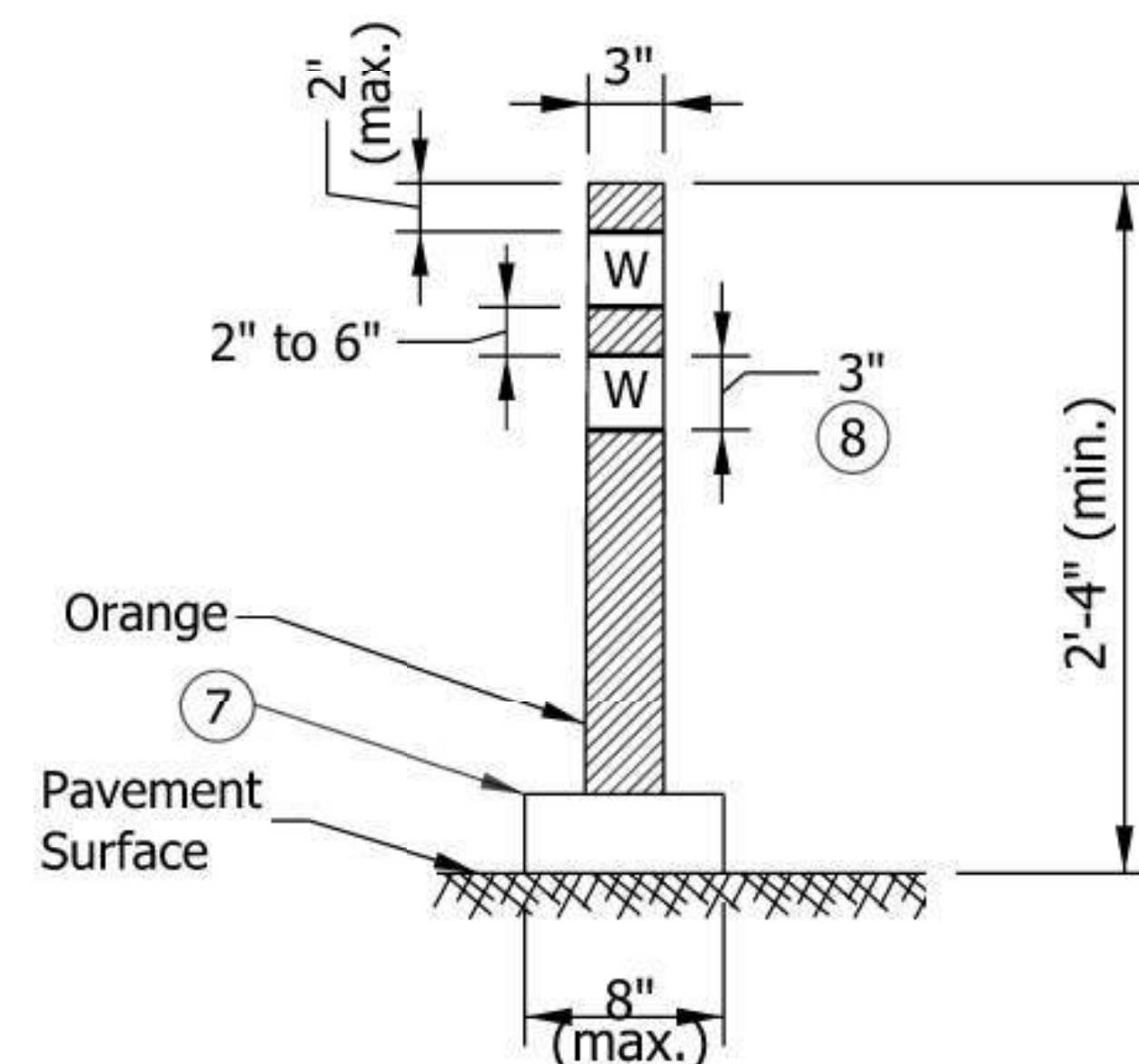


 06/08/22
DESIGN STANDARDS ENGINEER DATE

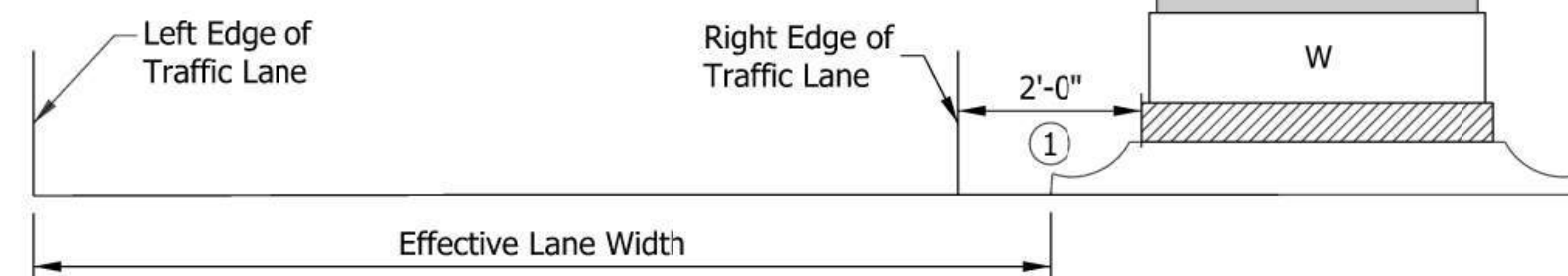
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CHIEF ENGINEER DATE



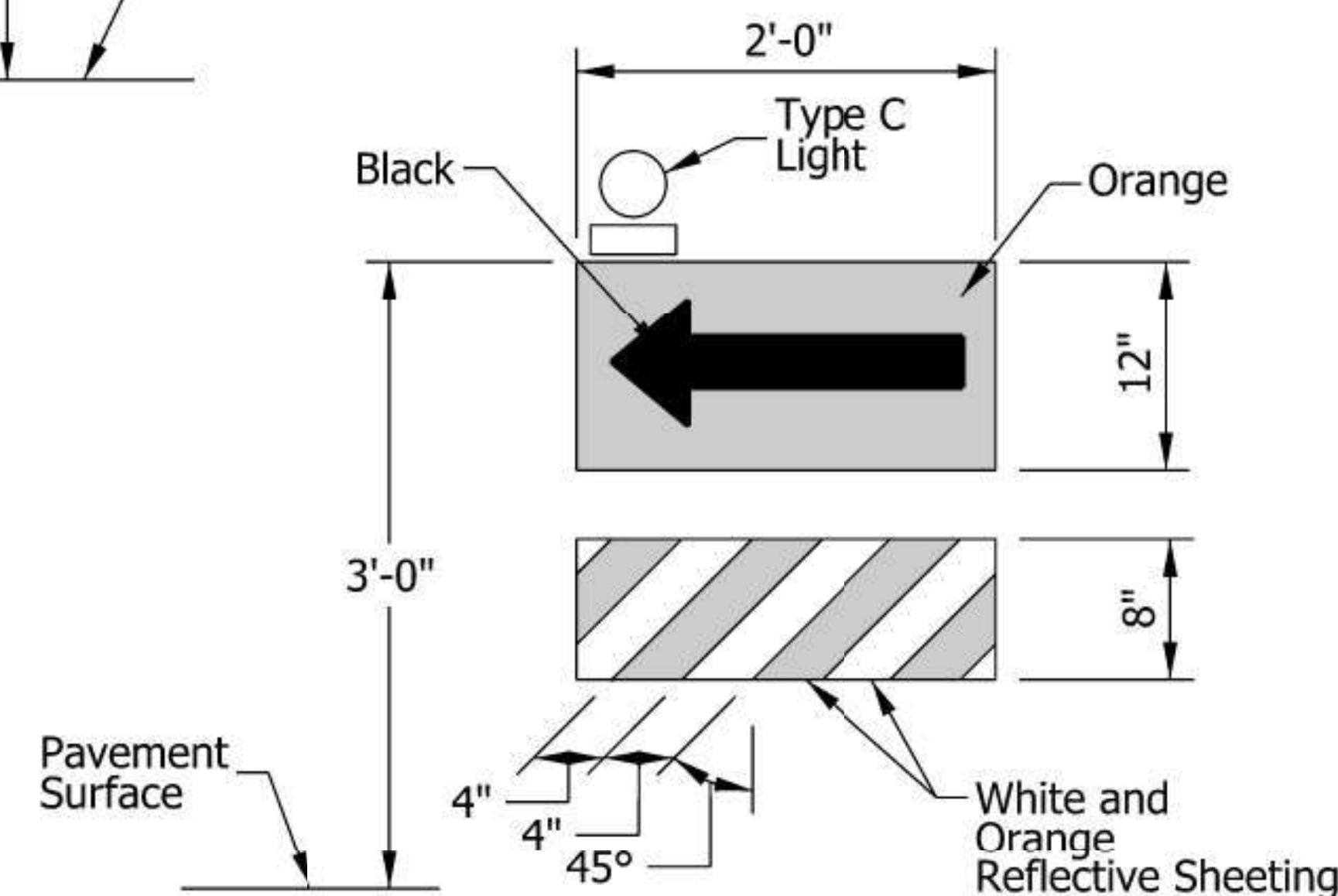
CONE
③



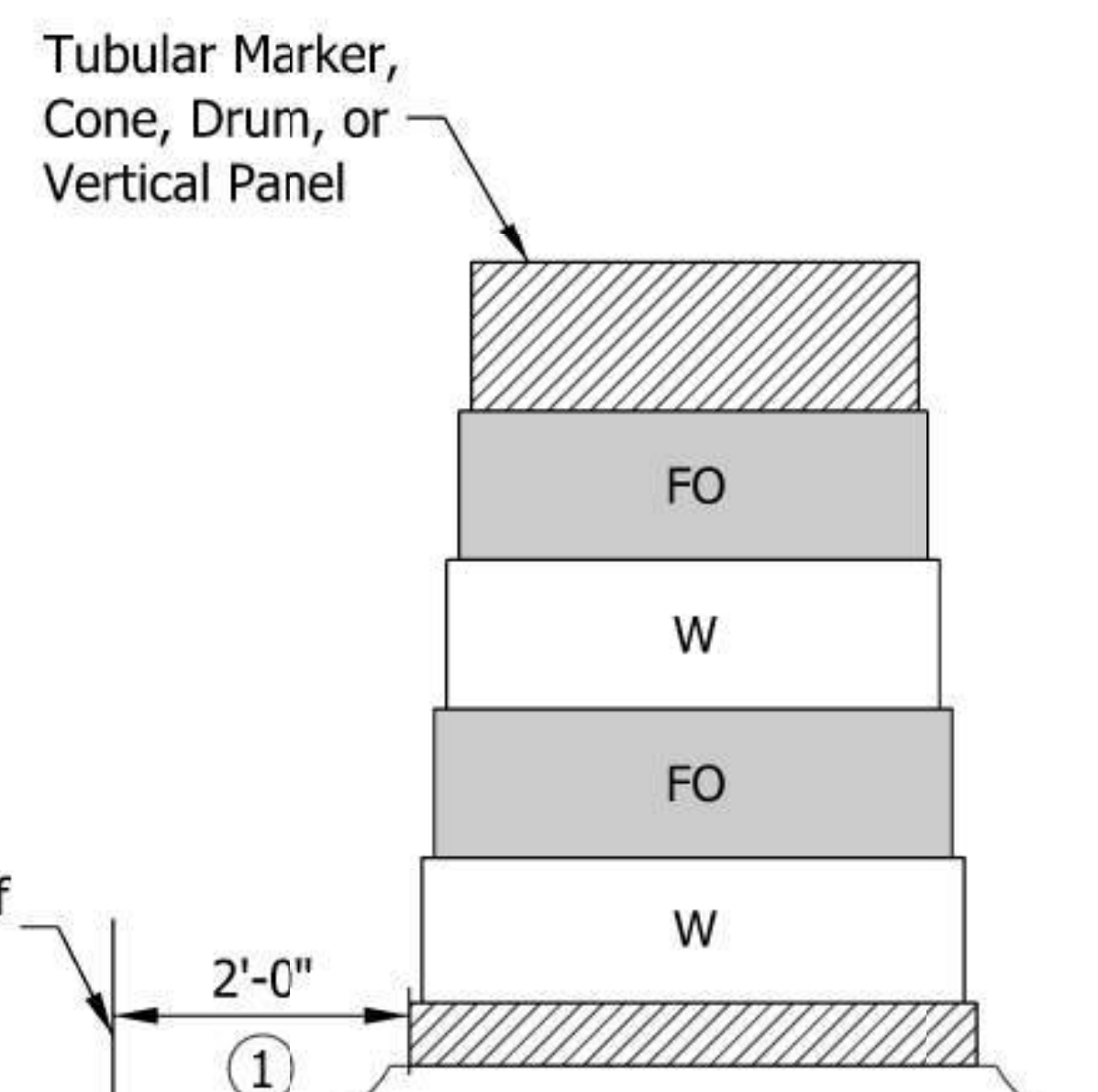
FLEXIBLE TUBULAR MARKER



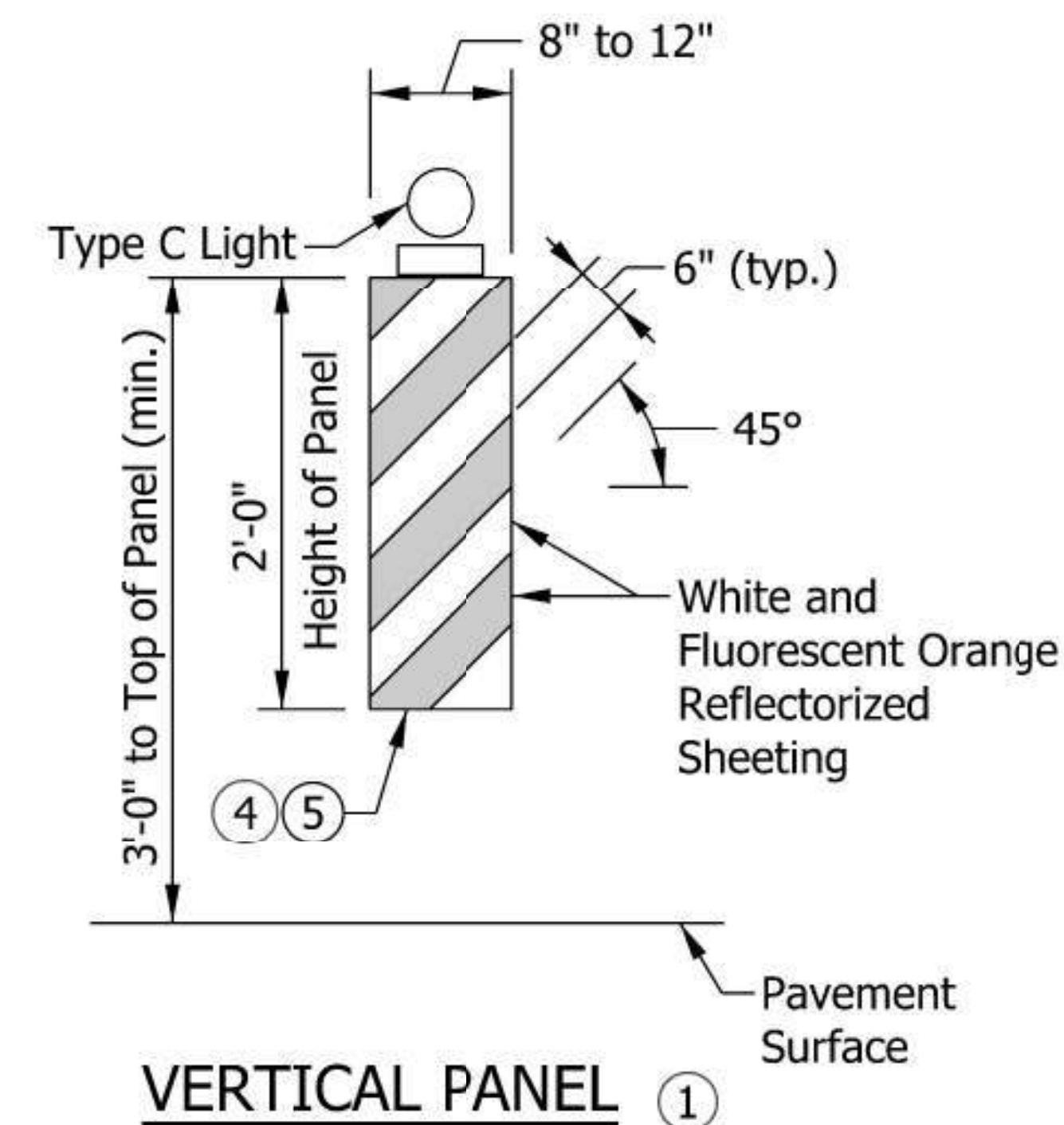
PLACEMENT OF CHANNELIZING DEVICES



DIRECTION INDICATOR BARRICADE



DRUM



VERTICAL PANEL ①

NOTES:

- ① Shy distance for tubular markers and cones may be reduced to 1 ft.
- ② A Type C warning light will be required on tapers where there is a reduction in the number of lanes and a flashing arrow sign is used.
- ③ Reflective sheeting may be omitted from cones for lane closures during daylight hours.
- ④ For vertical panels equal to or greater than 3 ft in height, the width of the stripes shall be 6 in.
- ⑤ Vertical panels used on roadways with a permanent posted speed limit of 50 mph or greater shall have a minimum reflective panel area of 270 sq. in.
- ⑥ The maximum distance between the edges of adjacent reflective sheeting strips shall be 2 in.
- ⑦ Minimum flexible tubular marker base area shall be 0.3 sq ft.
- ⑧ For nighttime work, tubular markers with a height of less than 3.5 ft shall have two 3 in. white bands of reflective sheeting placed a maximum of 2 in. from the top with a maximum of 6 in. between the bands.
- ⑨ See Standard Drawing E 801-TCOV-04 for channelizing device usage and application.

LEGEND

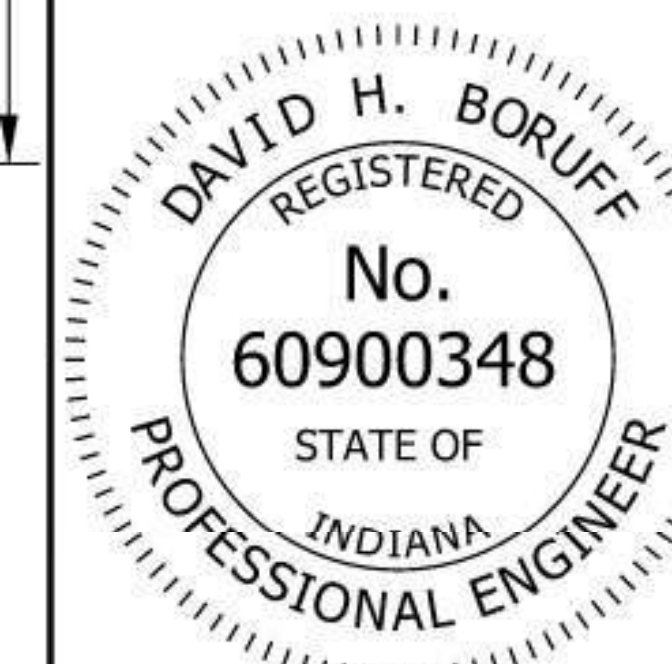
- W = White Reflective Sheeting
FO = Fluorescent Orange Reflective Sheeting

INDIANA DEPARTMENT OF TRANSPORTATION

CHANNELIZING
DEVICES

SEPTEMBER 2022

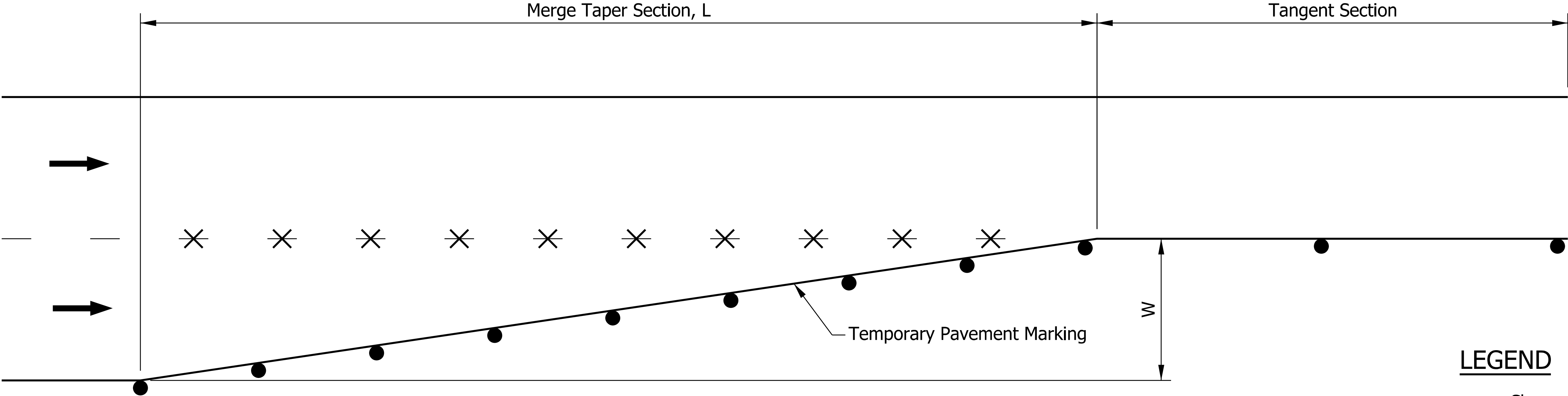
STANDARD DRAWING NO. E 801-TCOV-02



David H. Boruff 06/08/22
DESIGN STANDARDS ENGINEER DATE
06/27/2022
CHIEF ENGINEER DATE

NOTES:

1. For freeways, a taper length of 840 ft shall be used for the first merge taper. For subsequent merges, a length of 840 ft shall be used unless otherwise shown on the plans.
2. A shift taper preceded by a merge taper shall be separated by a tangent section equal to or greater than the length of the shift taper.



LEGEND

- = Channelizing Device
- ✕

 = Removal of pavement markings and prismatic reflectors
- ➔

 = Direction of Traffic
- L = Minimum length of taper in ft
- S = Posted speed limit prior to the construction zone in mph
- W = Width of lane or shift in ft

MERGE TAPER				
S	Min. Taper Length L			
MPH	W = 9	W = 10	W = 11	W = 12
25	95	105	115	125
30	135	150	165	180
35	185	205	225	245
40	240	270	295	320
45	405	450	500	540
50	450	500	550	600
55	495	550	605	660
60	540	600	660	720
65	585	650	715	780
70	630	700	770	840
75	675	750	825	900

For W not shown in the table, $L = W \times S$ for a speed of 45 mph or greater.
 $L = W \times S^2/60$ for a speed of 40 mph or lower.

SHIFT TAPER				
S	Min. Taper Length L/2			
MPH	W = 9	W = 10	W = 11	W = 12
25	50	55	60	65
30	70	75	85	90
35	95	105	115	125
40	120	135	150	160
45	205	225	250	270
50	225	250	275	300
55	250	275	305	330
60	270	300	330	360
65	295	325	360	390
70	315	350	385	420
75	340	375	415	450

For W not shown in the table, L is one half that required for a merge taper.

INDIANA DEPARTMENT OF TRANSPORTATION

MERGE OR SHIFT TAPER

SEPTEMBER 2022

STANDARD DRAWING NO. E 801-TCDV-03

DAVID H. BORUFF

REGISTERED

No.

60900348

STATE OF

INDIANA

PROFESSIONAL ENGINEER

DESIGN STANDARDS ENGINEER

06/08/22

DATE

CHIEF ENGINEER

06/27/2022

DATE

NOTES:

Channelizing Device Type	Usage Application									
	To delineate merge tapers on		To delineate tangents where adequate space exists and also lane shift tapers on		Where the effective lane width is less than 10 ft to delineate tangents in lieu of drums on		Where the effective lane width is less than 10 ft to delineate edge of pavement drop-off in lieu of drums on		To divide opposing lanes of traffic on	To divide two or more lanes of same direction traffic on
	Freeways	Non-Freeways	Freeways	Non-Freeways	Freeways	Non-Freeways	Freeways	Non-Freeways	Non-Freeways	Non-Freeways
18 in. Cone ① ≤ 40 mph Posted Speed Limit	No	Yes ④	No	Yes ④	No	No	No	No	Yes ④	Yes ④
18 in. Cone ≥ 45 mph Posted Speed Limit	No	No	No	No	No	No	No	No	No	No
28 in. Cone ① ≤ 40 mph Posted Speed Limit	No	Yes ⑤	No	Yes ⑤	No	No	No	No	Yes ⑤	Yes ⑤
28 in. Cone ② 45 mph Posted Speed Limit	No	Yes ④	No	Yes ④	No	No	No	No	Yes ⑤	Yes ⑤
28 in. Cone ≥ 50 mph Posted Speed Limit	No	Yes ④	No	Yes ④	No	No	No	No	Yes ⑤	Yes ⑤
42 in. Channelizer (Cone) ① ⑥ ≤ 45 mph Posted Speed Limit	No	Yes ⑤	No	Yes ⑤	Yes	Yes	Yes	Yes	Yes ⑤	Yes ⑤
42 in. Channelizer (Cone) ② ⑥ ≥ 50 mph Posted Speed Limit	No	Yes ⑤	No	Yes ⑤	Yes	Yes	Yes	Yes	Yes ⑤	Yes ⑤
Direction Indicator Barricade ③	Yes	Yes	No	No	No	No	No	No	No	No
Flexible Tubular Marker ③	No	No	No	No	No	No	No	Yes	Yes	Yes
Vertical Panel ③	No	Yes	No	Yes	No	Yes	No	Yes	No	No
Construction Drum ③	Yes	Yes	Yes	Yes	No	No	No	No	No	No

- ① Spacing in tangent shall be 40 ft maximum; spacing between devices in taper shall be numerically equal in feet, maximum, to the posted speed limit in m.p.h.
- ② Spacing in tangent shall be 80 ft maximum; spacing between devices in taper shall be numerically equal in feet, maximum, to the posted speed limit in m.p.h.
- ③ Spacing in tangents shall be 50 ft maximum when the speed limit is 45 m.p.h. or below; spacing in tangents shall be 100 ft maximum when the posted speed limit is 50 mph or above; in cases where the posted speed limit is intermittently set to 45 m.p.h. the channelizing devices shall be maintained at 90 ft maximum spacing; spacing of channelizing devices on tapers shall be numerically equal in feet, maximum, to the posted speed limit in m.p.h.
- ④ May only be used for daylight restrictions.
- ⑤ May not be used for long-term, stationary work (more than 3 days).
- ⑥ 30 lb ballast configuration required.
7. For the purpose of channelizing device usage and spacing, the posted speed limit is the permanent posted speed limit, temporary speed limit, or worksite speed limit, whichever is lower.

CHANNELIZING DEVICE USAGE TABLE

INDIANA DEPARTMENT OF TRANSPORTATION

CHANNELIZING DEVICE USAGE

SEPTEMBER 2022

STANDARD DRAWING NO. E 801-TCDV-04

DAVID H. BORUFF

REGISTERED

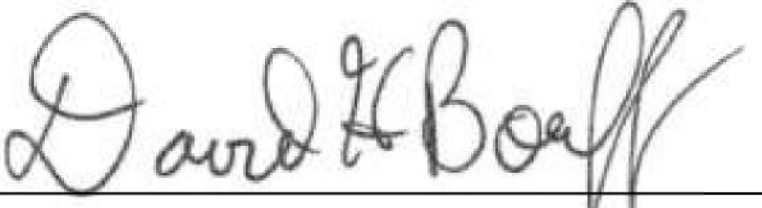
No.

60900348

STATE OF

INDIANA

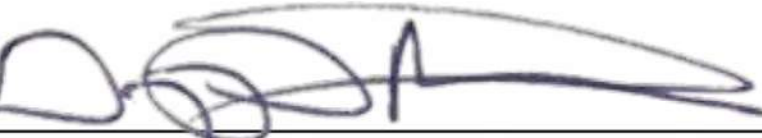
PROFESSIONAL ENGINEER



06/08/22

DESIGN STANDARDS ENGINEER

DATE



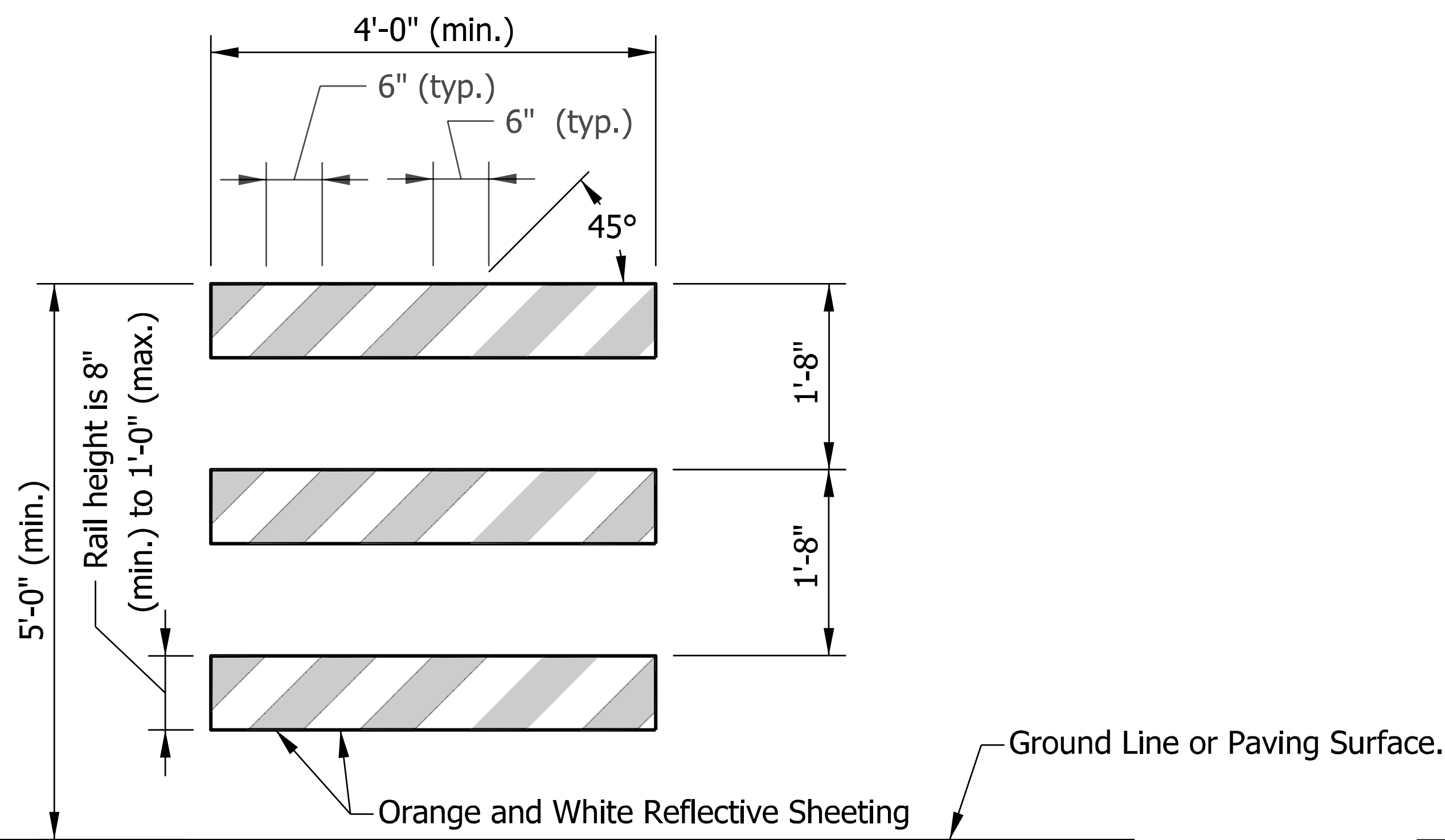
06/27/2022

CHIEF ENGINEER

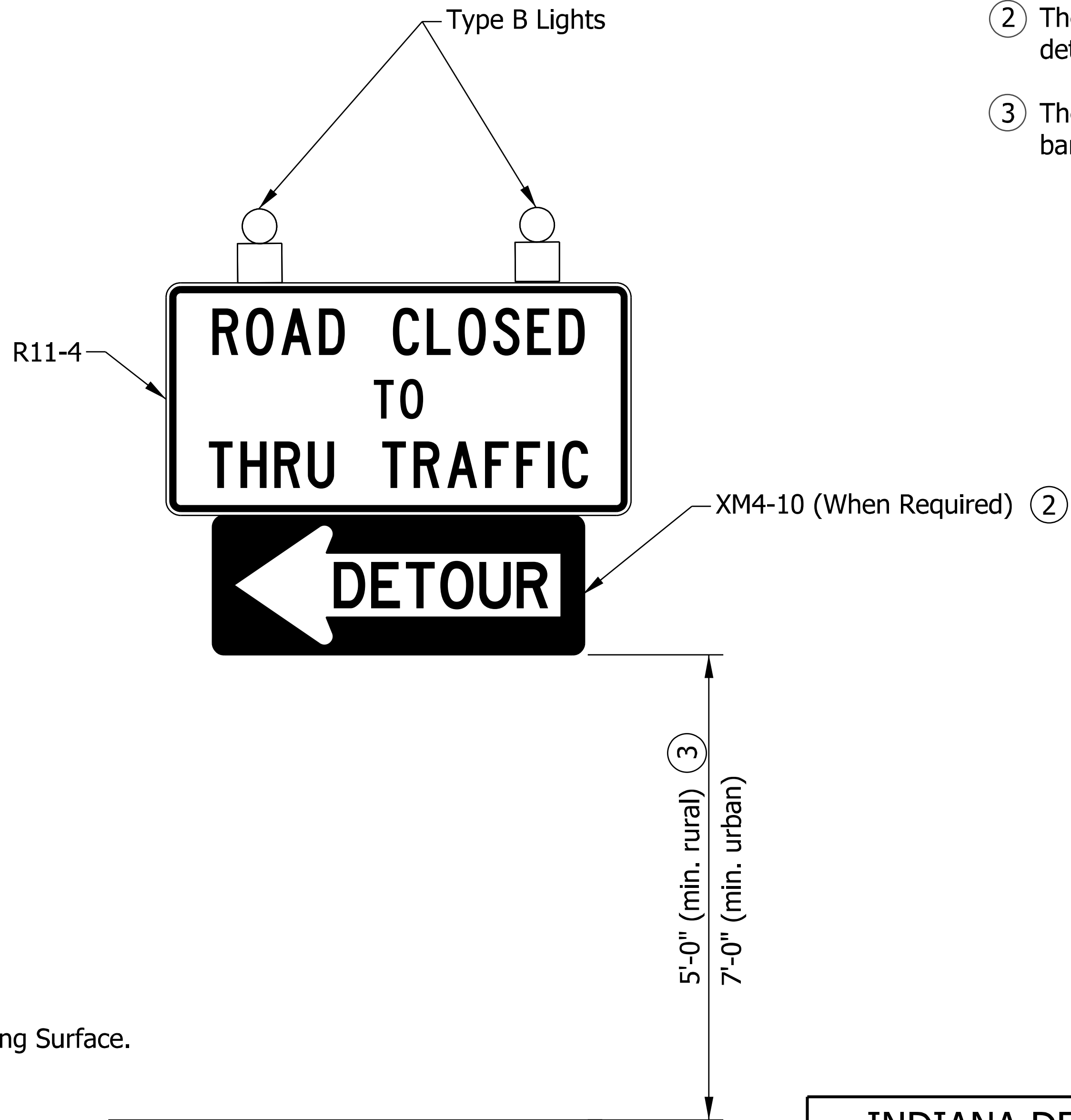
DATE

NOTES:

- 1. Barricade lights, signs, and supports shall satisfy NCHRP 350 or MASH crash evaluation criteria.
- ② The detour arrow sign shall be used only when a detour route has been signed.
- ③ The sign assembly shall be above the Type III barricade.



TYPE III BARRICADE



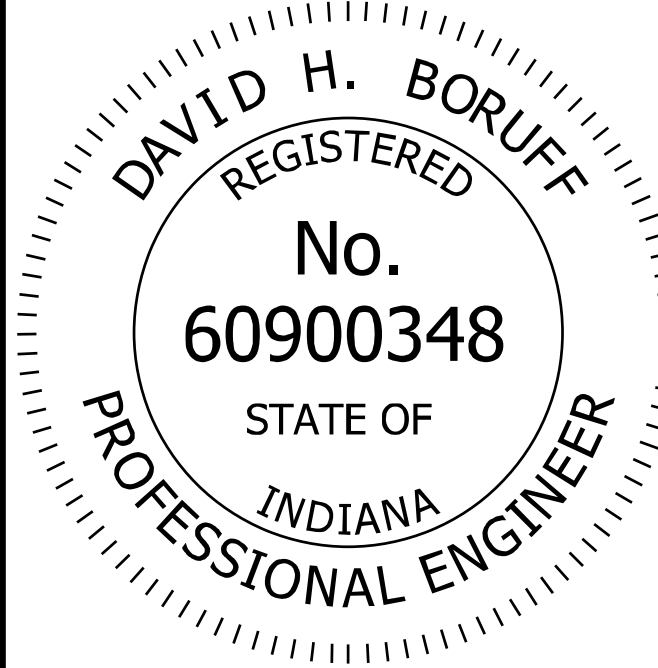
ROAD CLOSURE SIGN ASSEMBLY

INDIANA DEPARTMENT OF TRANSPORTATION

TYPE III BARRICADE

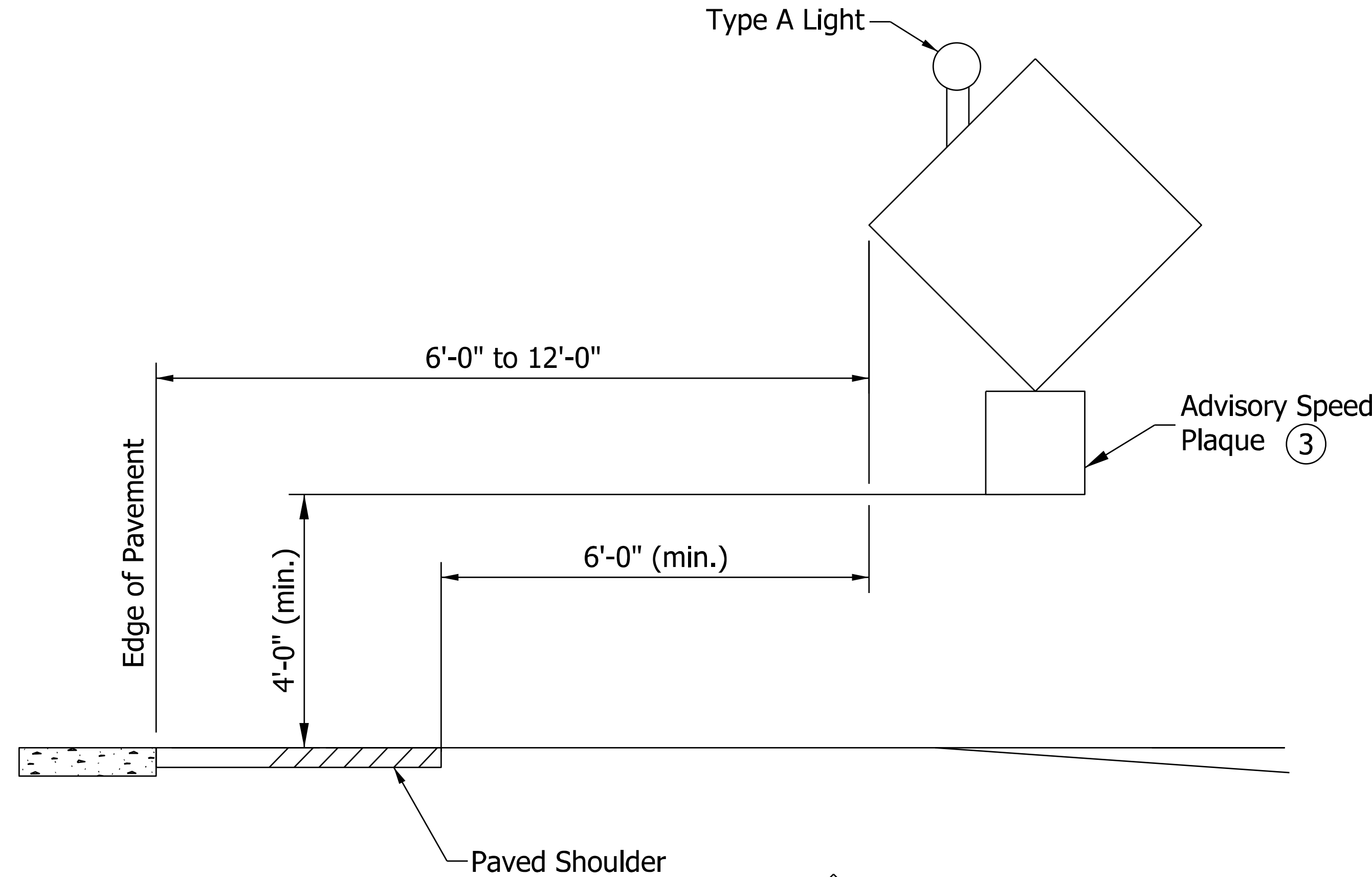
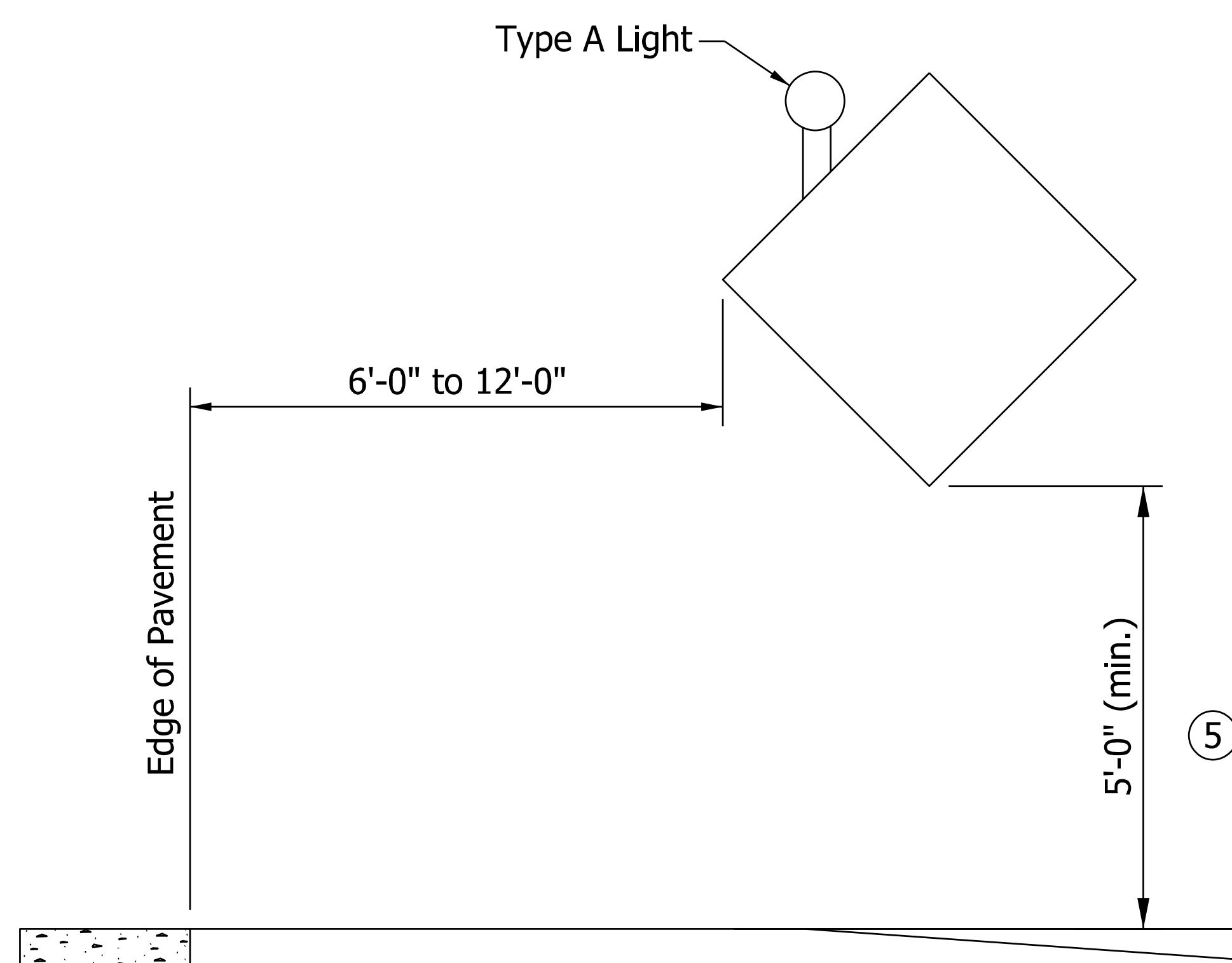
SEPTEMBER 2022

STANDARD DRAWING NO. E 801-TCDV-05

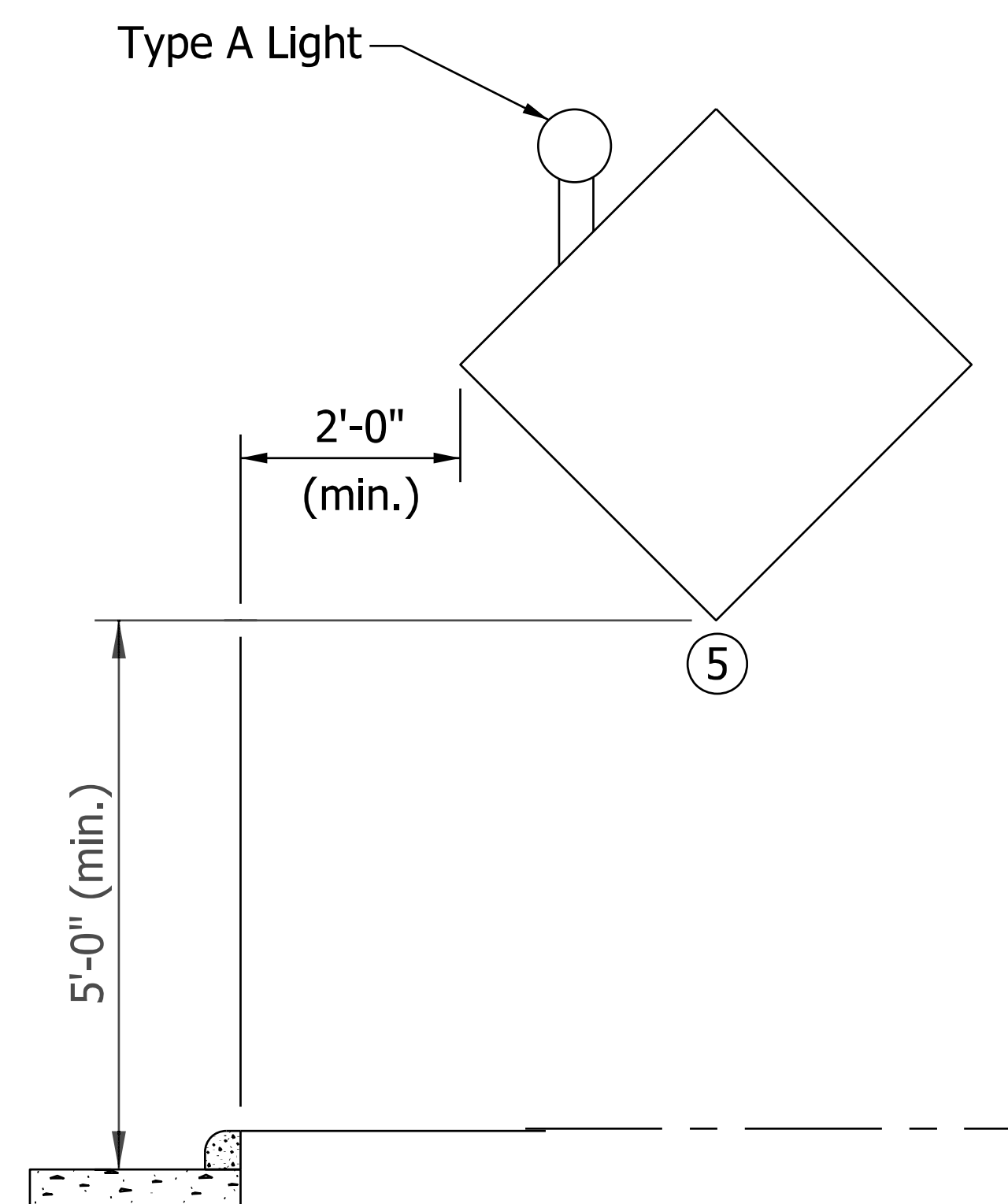
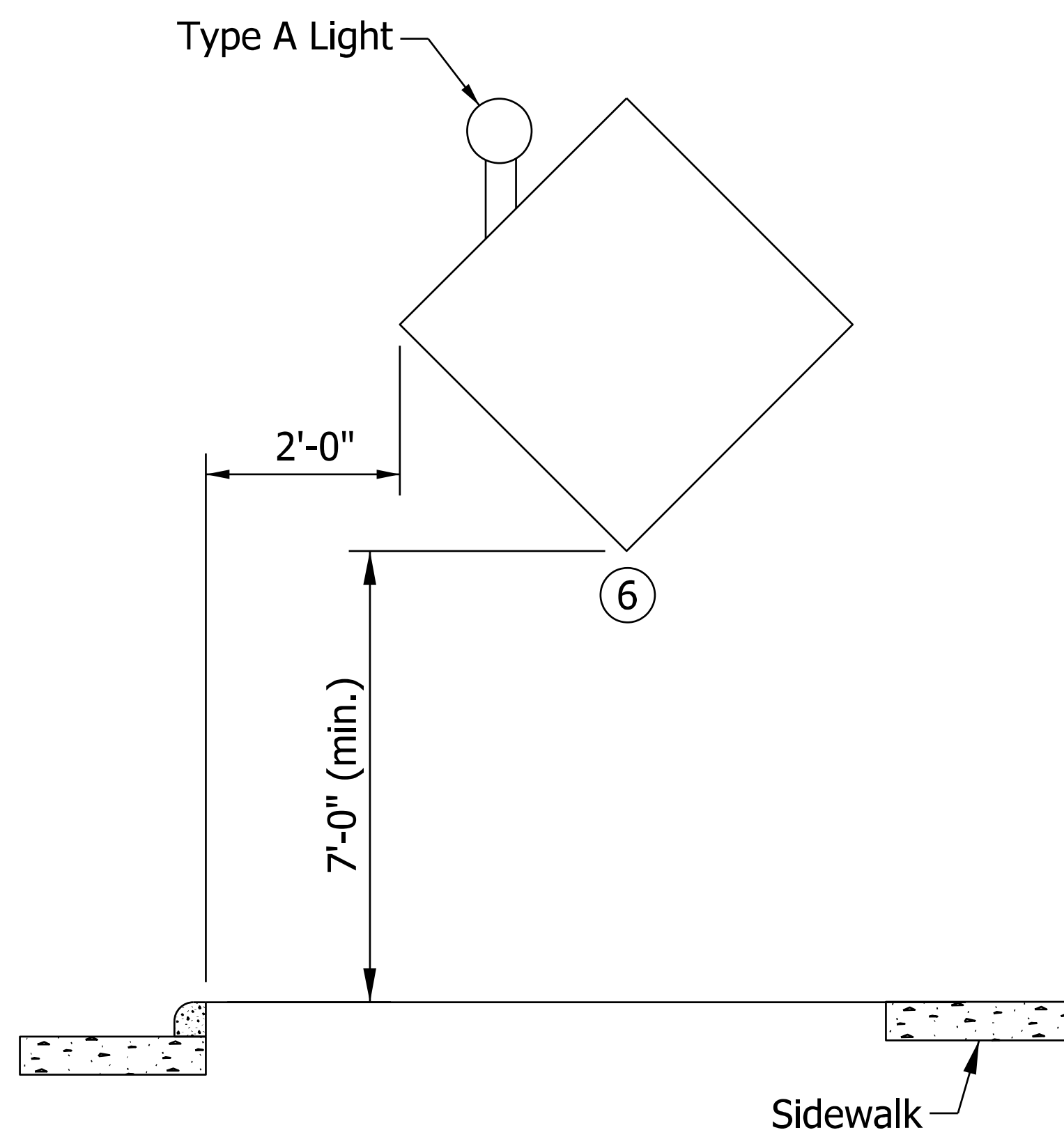


David H. Boruff 06/08/22
DESIGN STANDARDS ENGINEER DATE

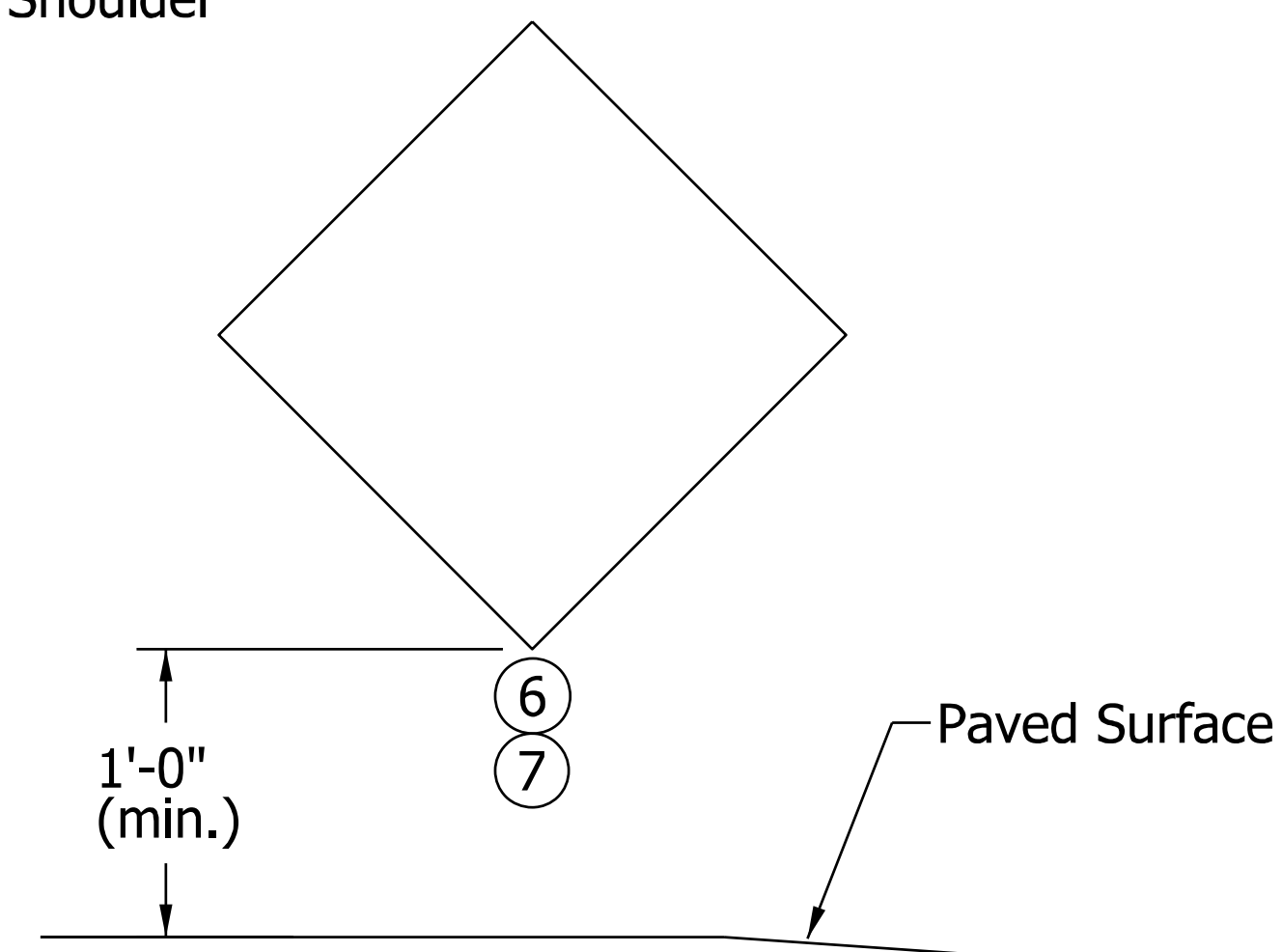
[Signature] 06/27/2022
CHIEF ENGINEER DATE



ROADWAY WITHOUT CURB



CURBED ROADWAY



TEMPORARY MOUNTED CONSTRUCTION SIGN

NOTES:

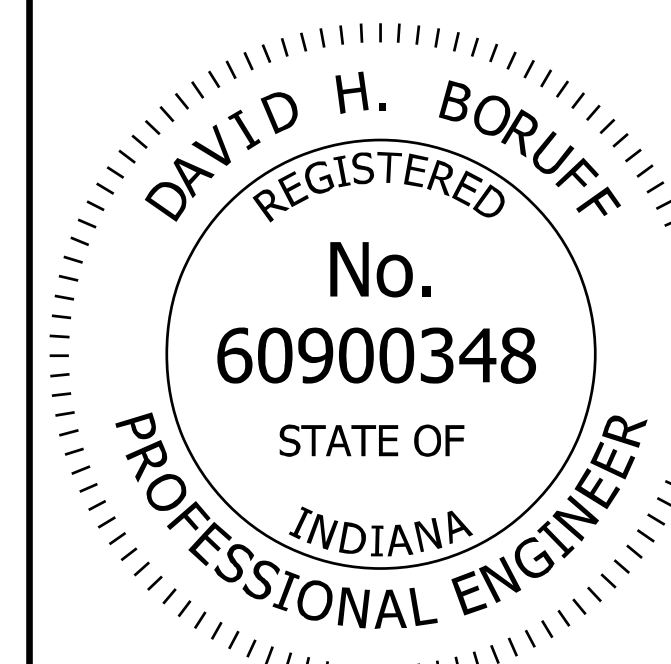
1. See Standard Drawing E 801-TCSN-07 for additional notes.
2. Signs, lights, and supports shall satisfy NCHRP 350 or MASH crash evaluation criteria.
- 3 An advisory speed plaque, required to be placed with another construction sign, may be mounted on the post closest to the roadway at a height not less than 4 ft above the edge of pavement adjacent to the sign. The bottom of the construction warning sign shall not be lower than the top of the advisory speed plaque.
4. Type A warning light required on all construction signs.
- 5 In urban area or on Interstate route, mounting height shall not be less than 7 ft.
- 6 When signs are placed on sidewalk, a 4 ft useable width shall be maintained. No part of the sign or support that is less than 7 ft in height may protrude more than 4 in. into the 4 ft useable sidewalk width.
- 7 Temporary mounted construction sign for nighttime work or for operations which affect traffic lanes shall have a mounting height of 5 ft above the traveled way. On roadways where on-street parking is allowed, temporary mounted construction signs shall have a minimum sign mounting height of 7 ft above the traveled way.

INDIANA DEPARTMENT OF TRANSPORTATION

TYPICAL CONSTRUCTION SIGN MOUNTING

SEPTEMBER 2022

STANDARD DRAWING NO. E 801-TCDV-06

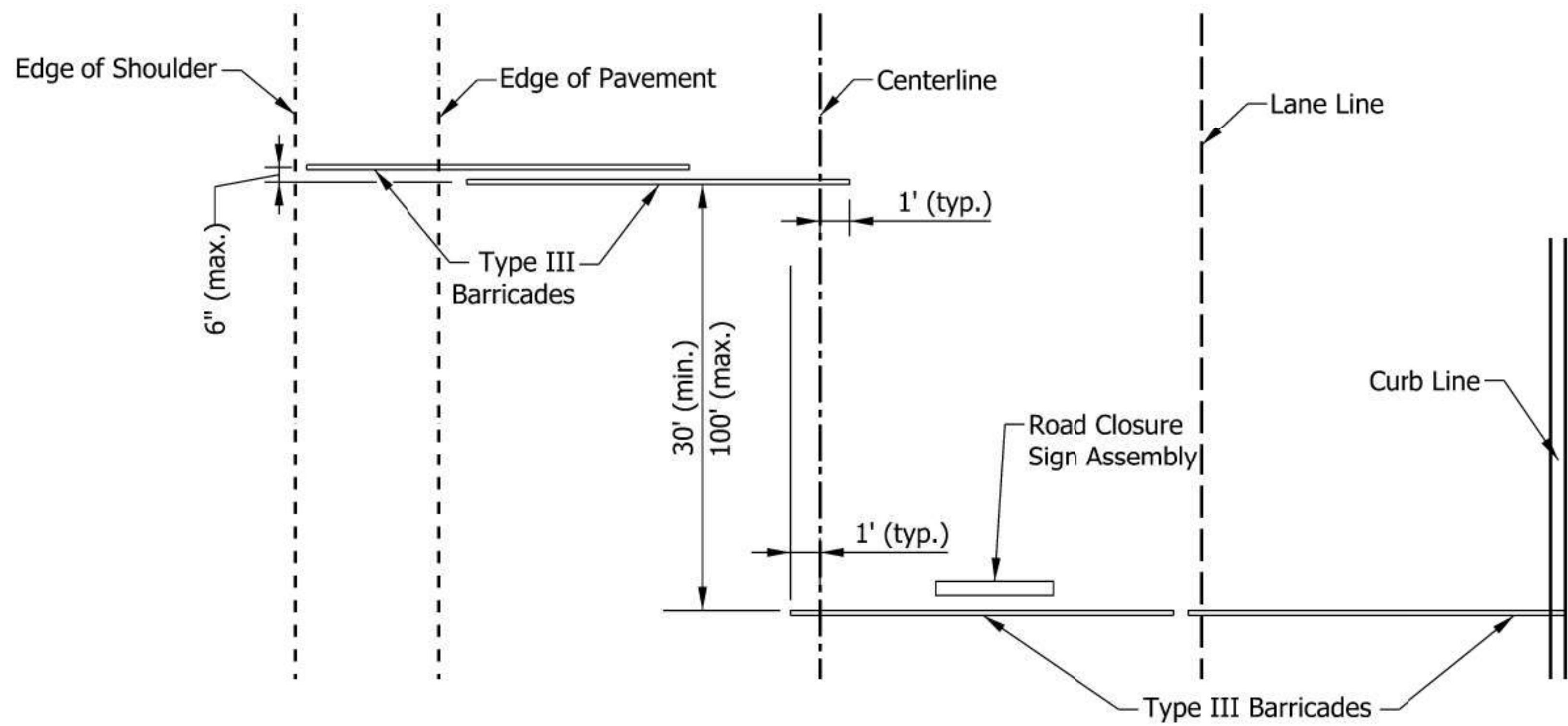


David H. Boruff 06/08/22
DESIGN STANDARDS ENGINEER DATE

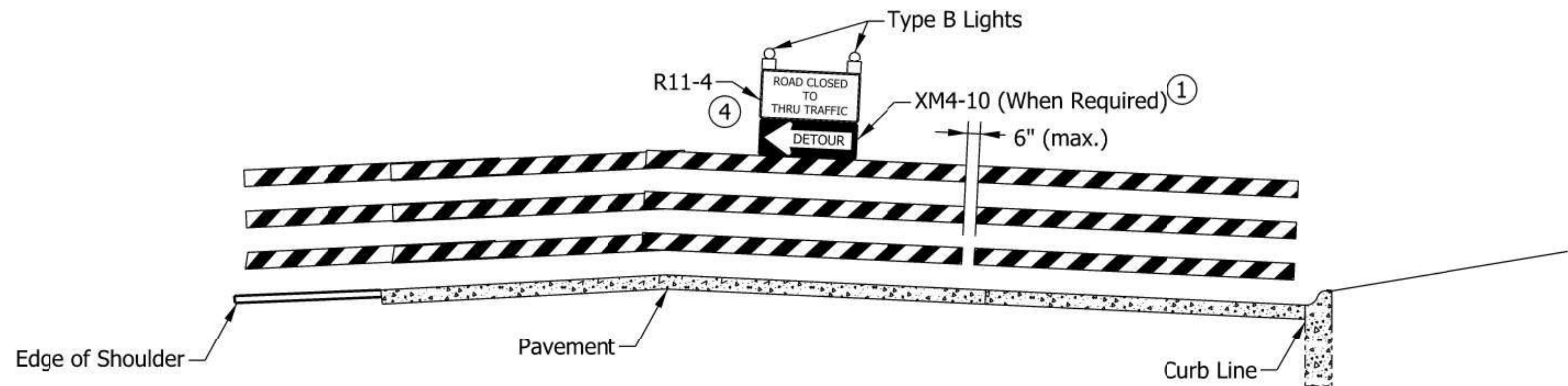
[Signature] 06/27/2022
CHIEF ENGINEER DATE

NOTES:

- 1 The detour arrow (XM4-10) sign shall be used only when a detour route has been signed.
- 2. See Standard Drawing E 801-TCDV-06 for sign mounting information.
- 3. Barricades and supports shall satisfy NCHRP 350 or MASH crash evaluation criteria.
- 4 The R11-3a ("ROAD CLOSED/LOCAL TRAFFIC ONLY") sign may be substituted for the R11-4 sign as shown on the plans or as directed by the engineer.



PLAN VIEW



ELEVATION

INDIANA DEPARTMENT OF TRANSPORTATION

TYPE III BARRICADE APPLICATION FOR
ROAD CLOSURE FOR THRU TRAFFIC

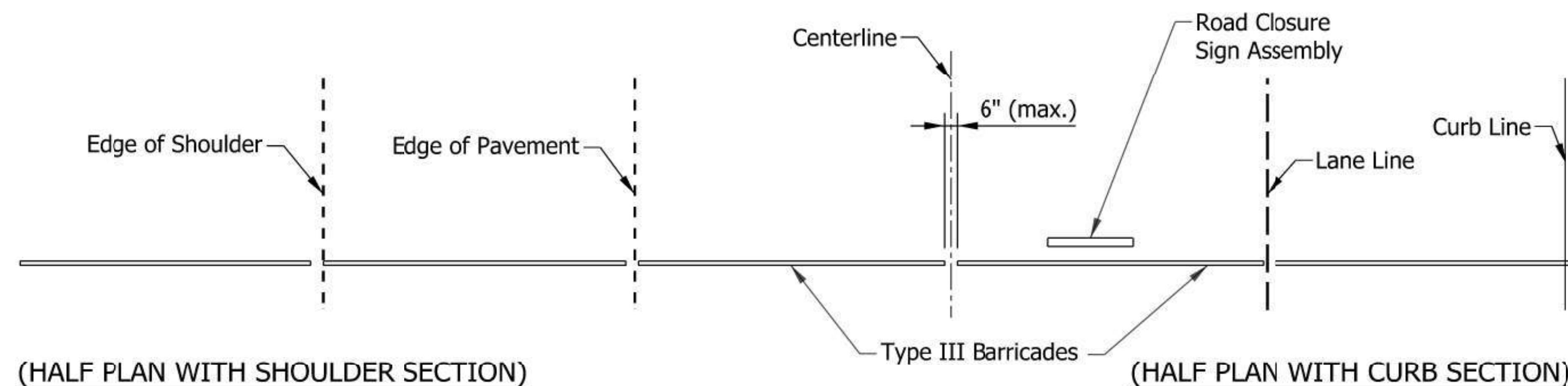
SEPTEMBER 2022

STANDARD DRAWING NO. E 801-TCDV-07

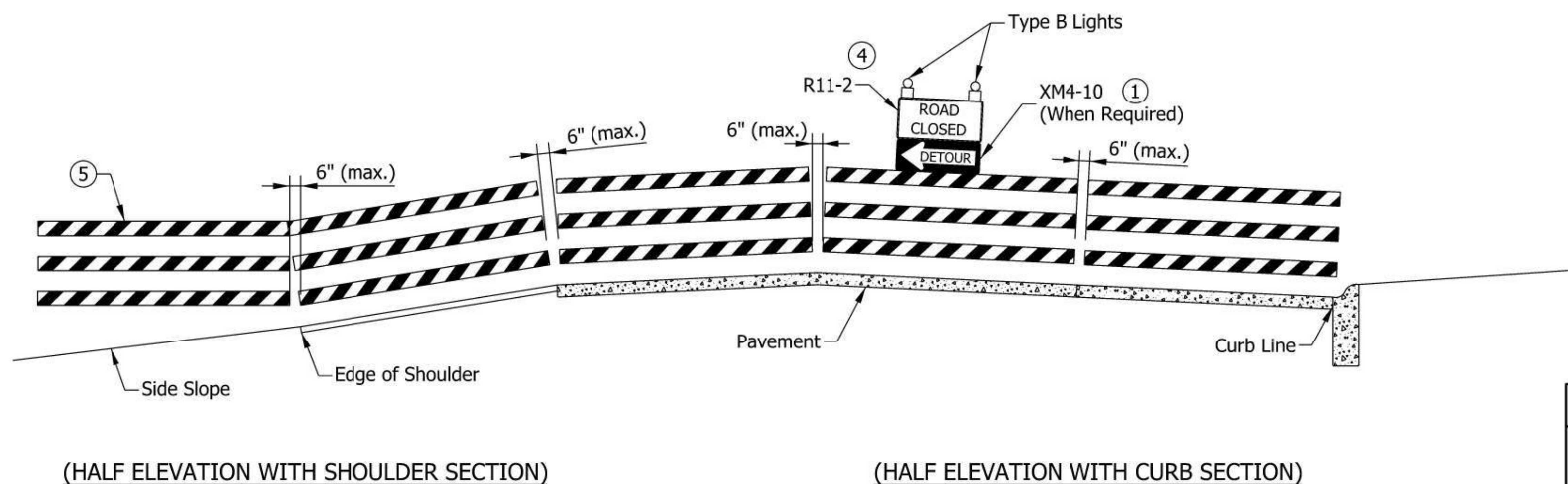


David H. Boruff
DESIGN STANDARDS ENGINEER 06/08/22
DATE

[Signature]
CHIEF ENGINEER 06/27/2022
DATE



PLAN VIEW



ELEVATION

NOTES:

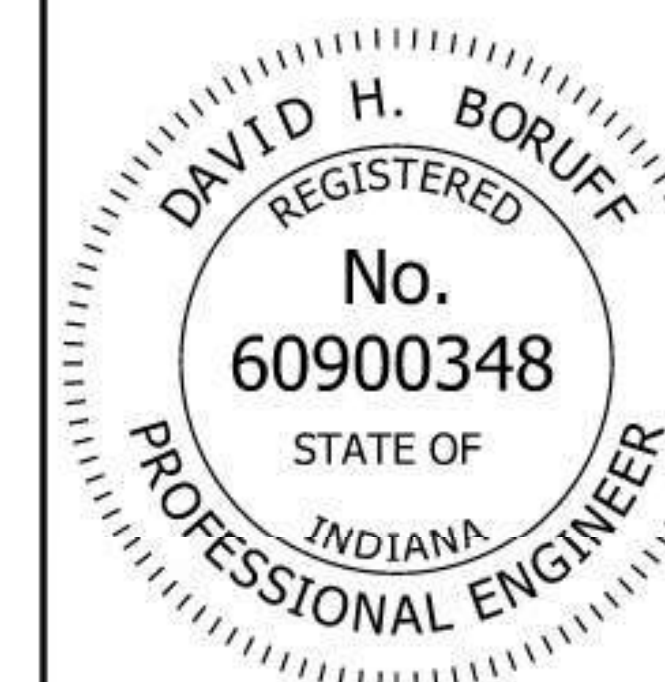
- ① The detour arrow (XM 4-10) sign shall be used only when a detour route has been signed.
2. See Standard Drawing E 801-TCDV-06 for sign mounting information.
3. Barricades and supports shall satisfy NCHRP 350 or MASH crash evaluation criteria.
- ④ The sign legend of the R11-2 sign may be modified to "BRIDGE CLOSED" as shown on the plans or as directed by the engineer.
- ⑤ Barricades shall be supported on driven posts in areas outside of the pavement or sidewalk, where side slopes are 3 to 1 or flatter.

INDIANA DEPARTMENT OF TRANSPORTATION

TYPE III BARRICADE APPLICATION
FOR ROAD CLOSURE TO ALL TRAFFIC

SEPTEMBER 2022

STANDARD DRAWING NO. E 801-TCDV-08

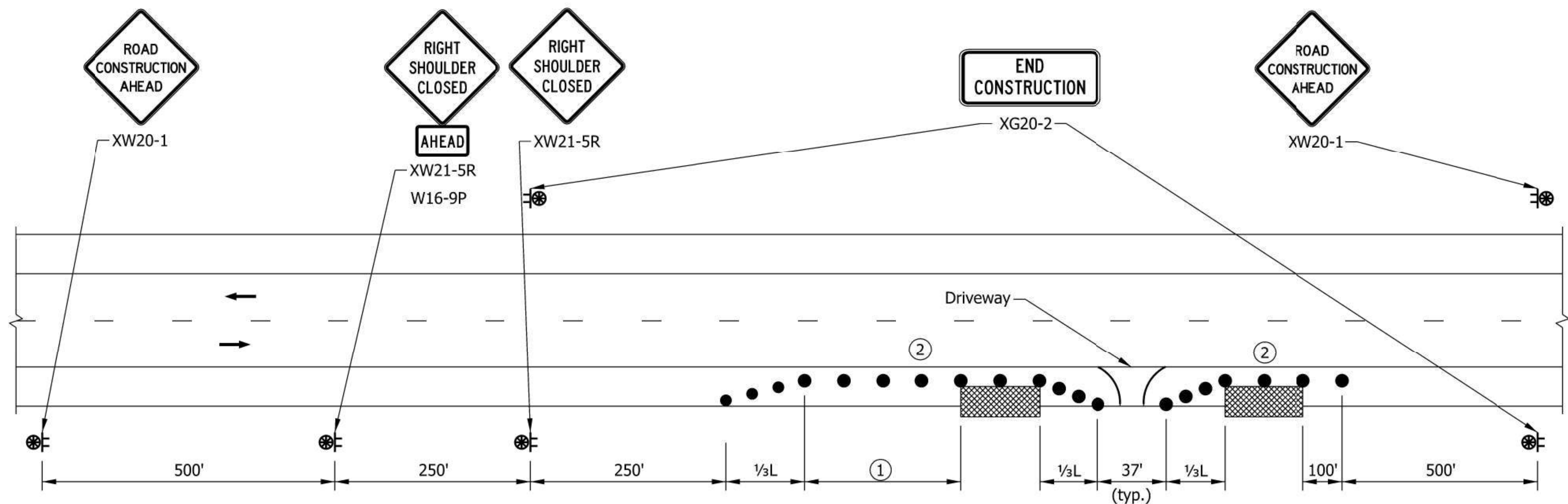


David H. Boruff 06/08/22
DESIGN STANDARDS ENGINEER DATE

[Signature] 06/27/2022
CHIEF ENGINEER DATE

NOTES:

- ① Longitudinal Buffer Length, see table.
- ② Use temporary traffic barrier if required by designer.
- 3. See Standard Drawing series E 801-TCDV for distance, L.



LEGEND

- Temporary Traffic Barrier
- Channelizing Device
- Construction Sign and Supports
- Construction Warning Light
- Direction of Traffic
- Crash Cushion
- Work Area

LONGITUDINAL BUFFER LENGTH	
Posted Speed Limit (mph)	Length (ft)
≤30	200
35	250
40	305
45	360
50	425
55	495

INDIANA DEPARTMENT OF TRANSPORTATION

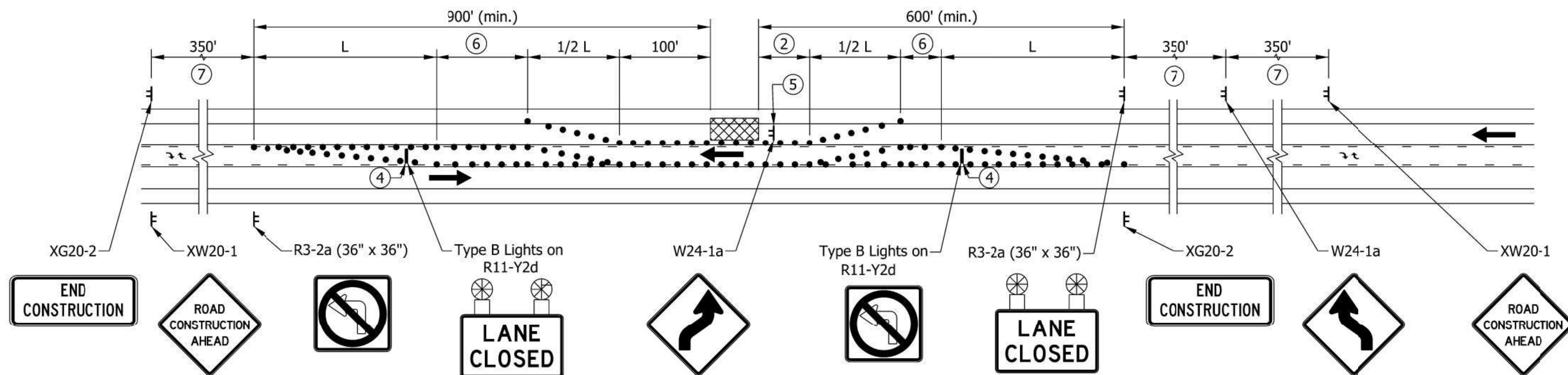
SHOULDER CLOSURE ON
TWO LANE HIGHWAY WITH LOCAL ACCESS

SEPTEMBER 2022

STANDARD DRAWING NO. E 801-TCSC-06



David H. Boruff 05/17/22
DESIGN STANDARDS ENGINEER DATE
[Signature] 07/07/2022
CHIEF ENGINEER DATE

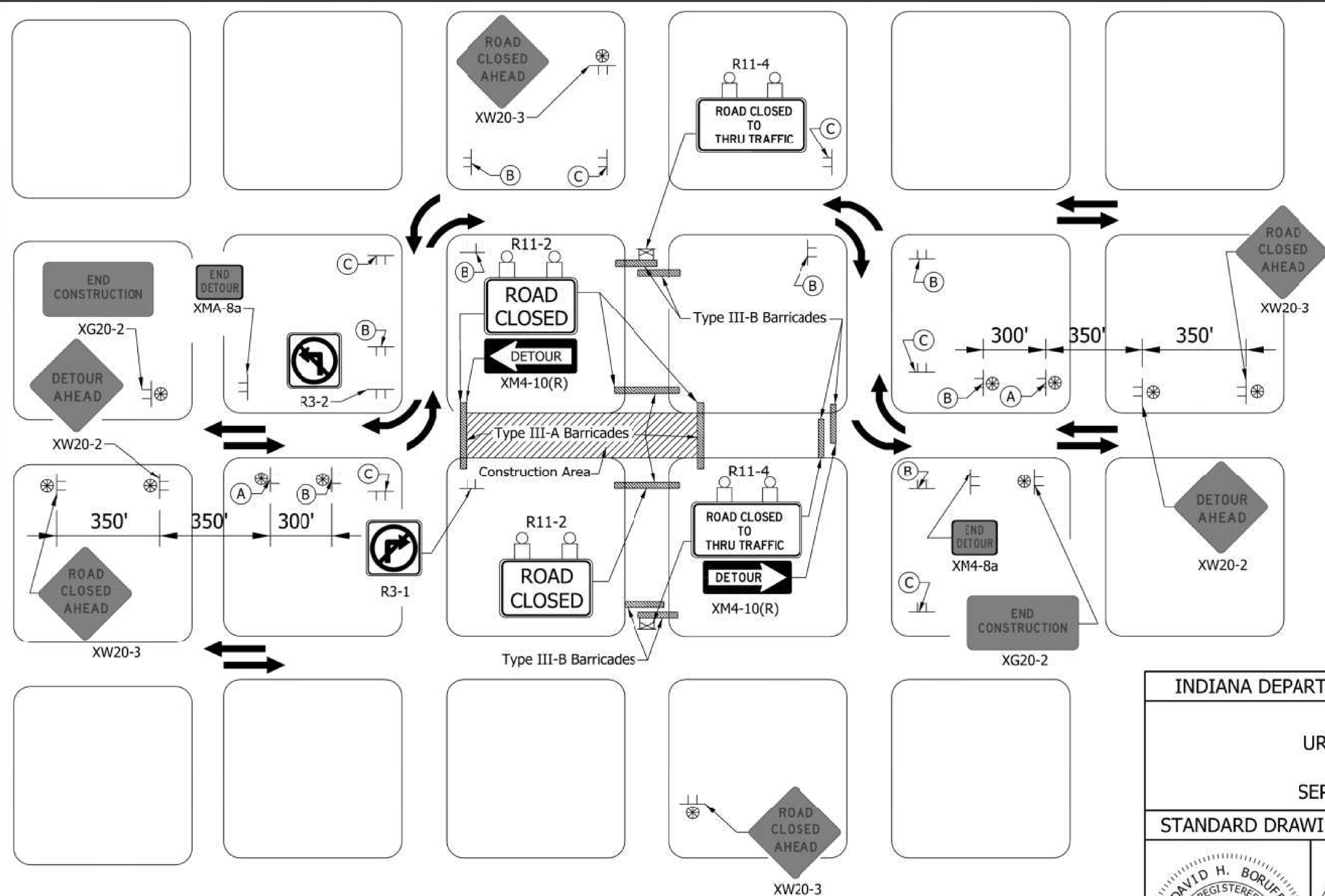


NOTES:

- See Standard Drawing series E 801-TCDV for merge distance, L.
- Longitudinal Buffer Length, see table.
- R3-2A must be repeated at each intersection and at class 3 and 4 drives.
- Type III Barricade
- The lane-shift sign shall be placed 350 ft in advance of the return lane-shift.
- Access Control Buffer, if required.
- For urban locations where the speed limit is ≤ 35 mph, the sign spacing may be reduced to 100 ft.

LONGITUDINAL BUFFER LENGTH	
Posted Speed Limit (mph)	Length (ft)
25	155
30	200
35	250
40	305
45	360
50	425
55	495
60	570
65	645
70	730

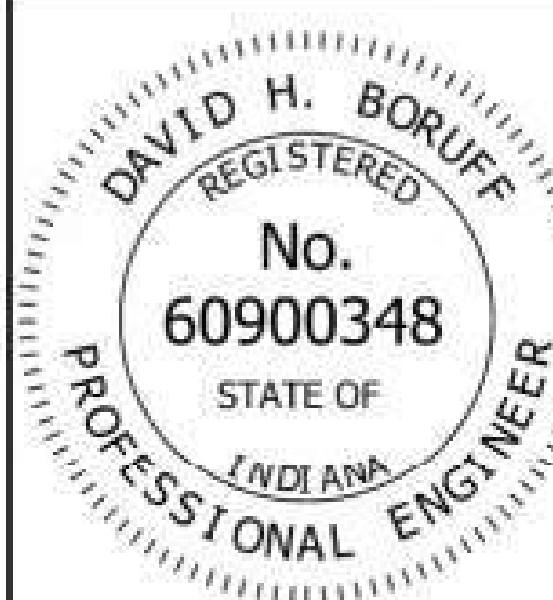
INDIANA DEPARTMENT OF TRANSPORTATION	
SHORT OR INTERMEDIATE TERM STATIONARY LANE CLOSURE ON THREE LANE ROAD	
SEPTEMBER 2022	
STANDARD DRAWING NO. E 801-TCLC-12	
	06/08/22 DESIGN STANDARDS ENGINEER DATE
	06/27/2022 CHIEF ENGINEER DATE

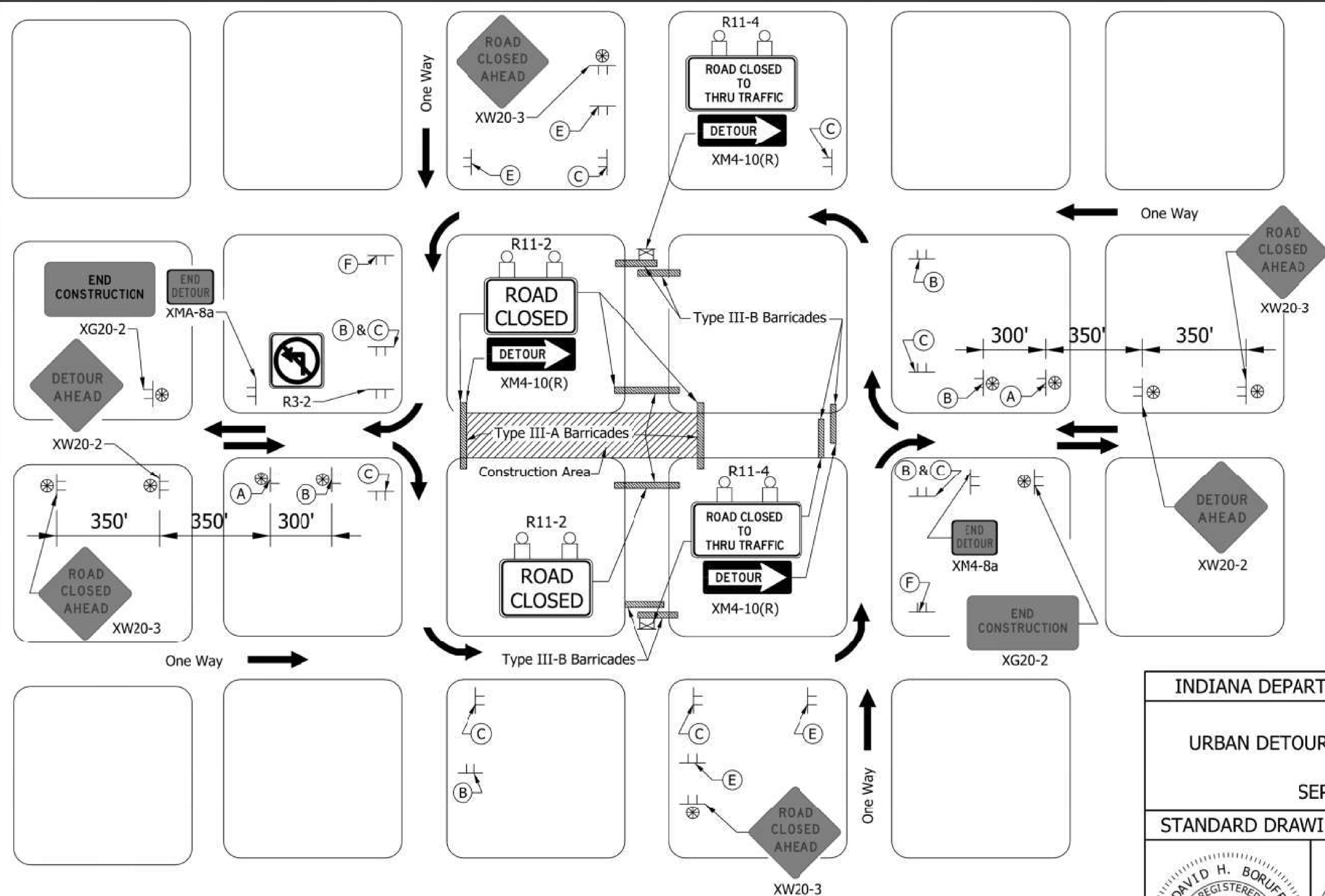


NOTES:

1. For detour marker assemblies (A), (B) and (C) see Standard Drawing E 801-TCDT-04.
2. See Standard Drawing E 801-TCLG-01 for standard notes and legend.

TYPICAL APPLICATIONS OF TRAFFIC CONTROL DEVICES FOR AN URBAN DETOUR

INDIANA DEPARTMENT OF TRANSPORTATION									
URBAN DETOUR									
SEPTEMBER 2017									
STANDARD DRAWING NO. E 801-TCDT-02									
	<table border="0"><tr><td>/s/ David H. Boruff</td><td>04/24/17</td></tr><tr><td>DESIGN STANDARDS ENGINEER</td><td>DATE</td></tr><tr><td>/s/ John Leckje</td><td>04/25/17</td></tr><tr><td>CHIEF ENGINEER</td><td>DATE</td></tr></table>	/s/ David H. Boruff	04/24/17	DESIGN STANDARDS ENGINEER	DATE	/s/ John Leckje	04/25/17	CHIEF ENGINEER	DATE
/s/ David H. Boruff	04/24/17								
DESIGN STANDARDS ENGINEER	DATE								
/s/ John Leckje	04/25/17								
CHIEF ENGINEER	DATE								

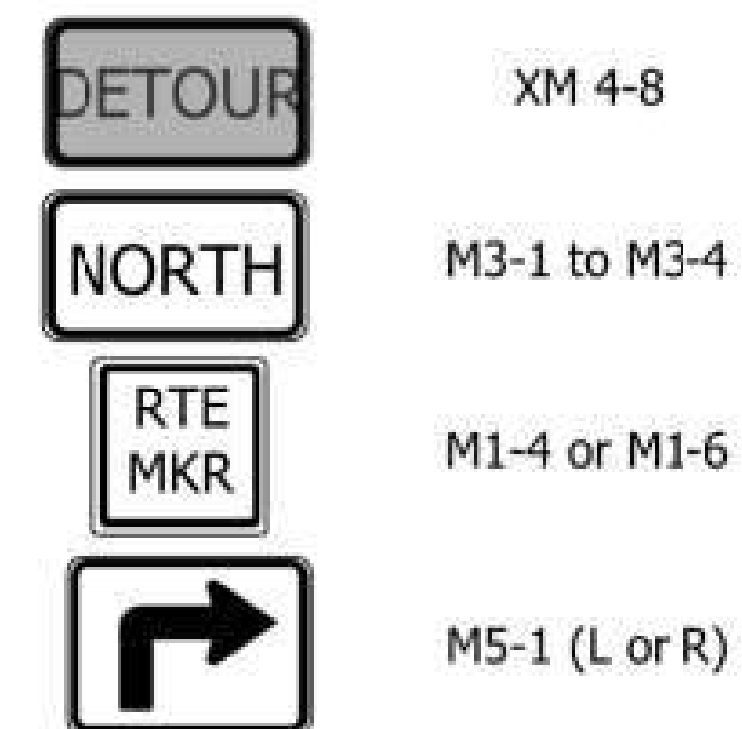


NOTES:

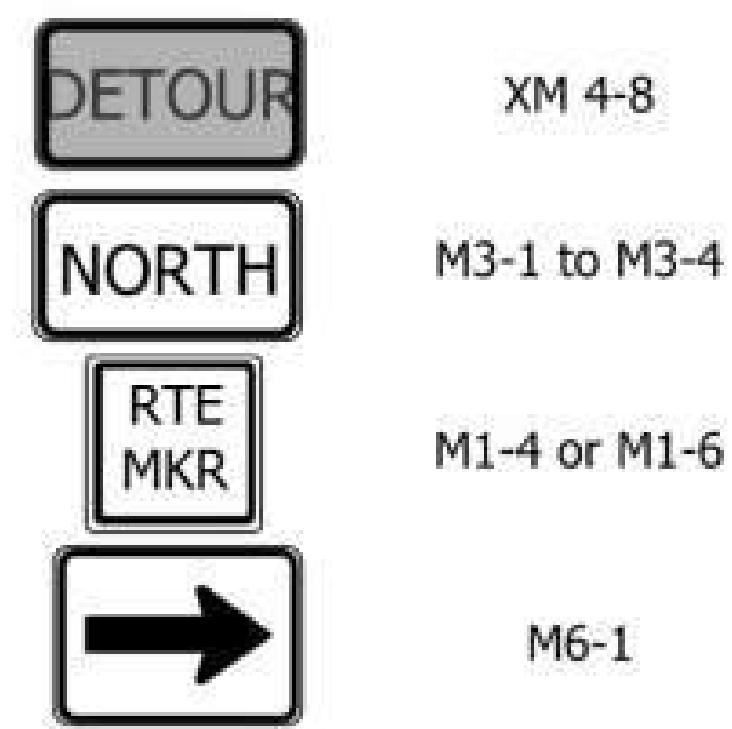
- 1. For detour marker assemblies (A), (B), (C), (E) and (F) see Standard Drawing E 801-TCDDT-04.
- 2. See Standard Drawing E 801-TCLG-01 for standard notes and legend.

TYPICAL APPLICATIONS OF TRAFFIC CONTROL DEVICES FOR AN URBAN DETOUR

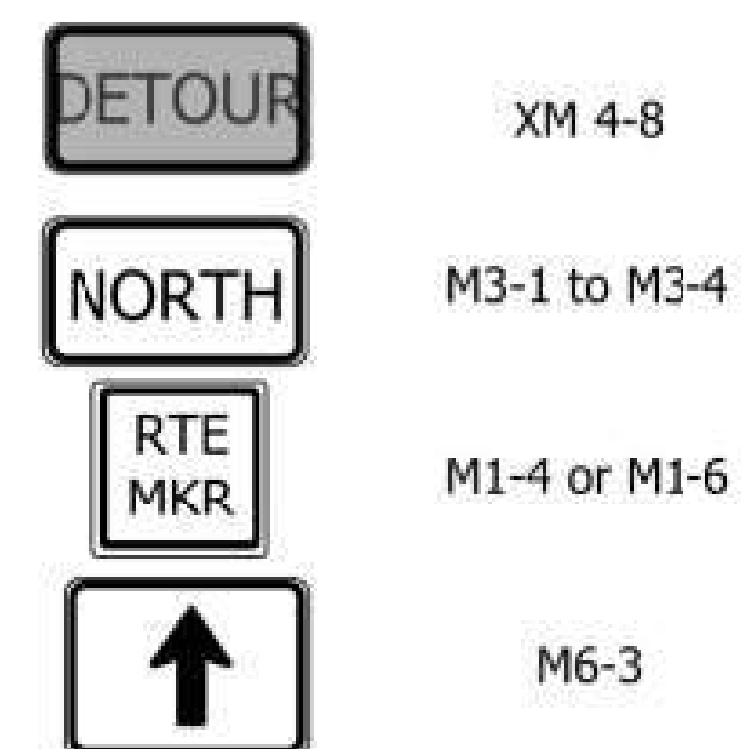
INDIANA DEPARTMENT OF TRANSPORTATION	
URBAN DETOUR WITH ONE-WAY STREETS	
SEPTEMBER 2017	
STANDARD DRAWING NO. E 801-TCDDT-03	
DAVID H. BORUFF REGISTERED No. 60900348 STATE OF INDIANA PROFESSIONAL ENGINEER	/s/ David H. Boruff 04/24/17 DESIGN STANDARDS ENGINEER DATE /s/ John Leckie 04/25/17 CHIEF ENGINEER DATE



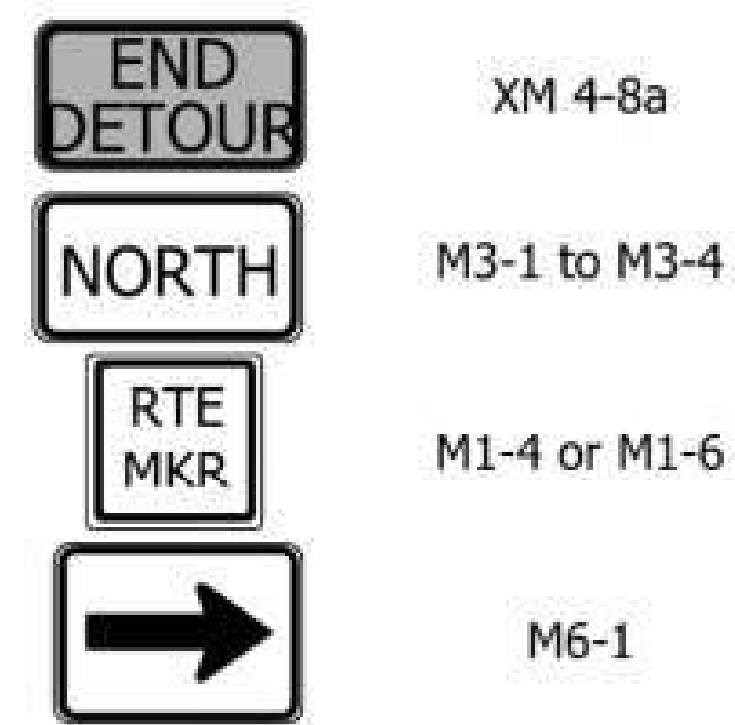
(A) ADVANCE TURN DETOUR
ROUTE MARKER ASSEMBLY ①



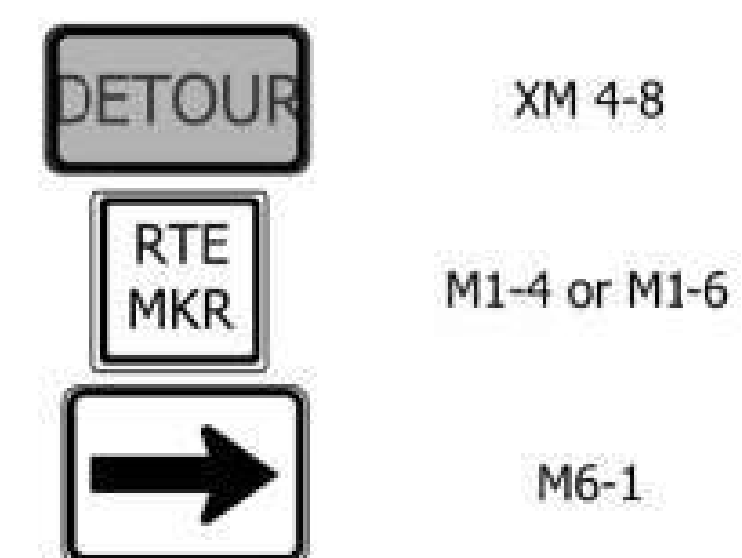
(B) DIRECTIONAL DETOUR ROUTE
MARKER ASSEMBLY ②



(C) CONFIRMING DETOUR ROUTE
MARKER ASSEMBLY ③



(D) END DETOUR ROUTE
MARKER ASSEMBLY ④



(E) BI-DIRECTIONAL DETOUR ROUTE
MARKER ASSEMBLY



(F) BI-DIRECTIONAL
CONFIRMING DETOUR ROUTE
MARKER ASSEMBLY

STATE HIGHWAY / NUMBERED LOCAL HIGHWAY

NOTES:

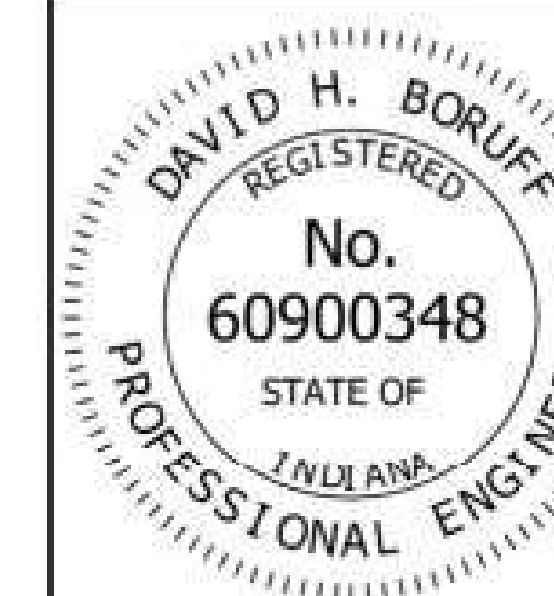
- ① Advance turn detour route marker assemblies shall be located as shown, or after the last cross street prior to the beginning of the detour, as directed.
- ② Directional detour route marker assemblies shall be located 100 ft. to 200 ft. in advance of all required turns within the detour limits.
- ③ Confirming detour route marker assemblies shall be located 200 ft. past all major intersections, as required, and shall be spaced a maximum of 3 mi. on a rural detour or 0.5 mi. on an urban detour on each leg of such detours. Confirming detour route marker assemblies shall be placed after a required turn when directed.
- ④ End detour route marker assemblies shall be located 100 ft. to 200 ft. in advance of the final turn of the detour.

INDIANA DEPARTMENT OF TRANSPORTATION

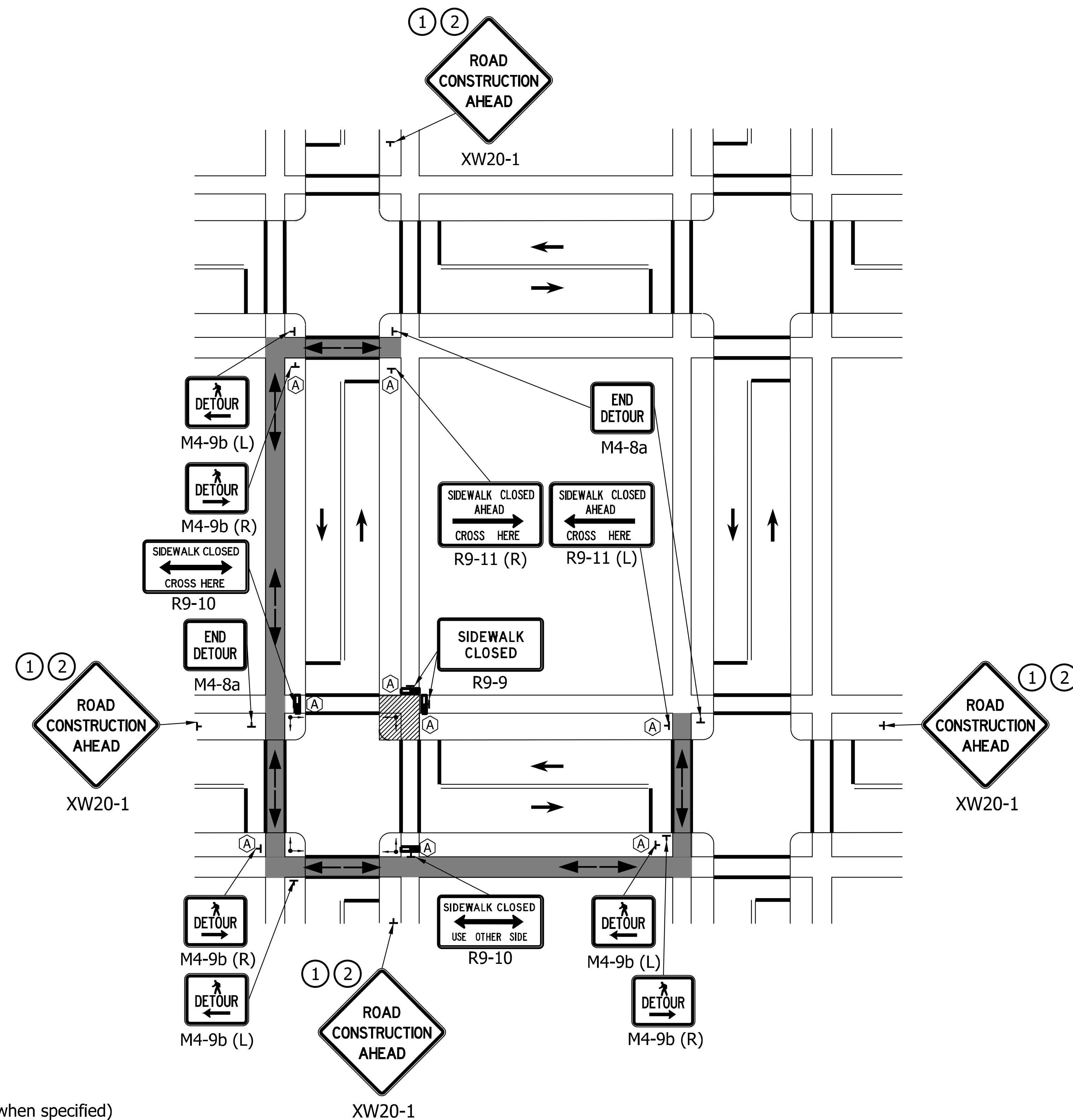
DETOUR ROUTE MARKER ASSEMBLIES

SEPTEMBER 2017

STANDARD DRAWING NO. E 801-TCDT-04



/s/ David H. Boruff	04/24/17
DESIGN STANDARDS ENGINEER	DATE
/s/ John Leckje	04/25/17
CHIEF ENGINEER	DATE



LEGEND

- Work Area
- Pedestrian Detour Direction
- Direction of Traffic
- Audible Information Device (when specified)
- Sign (shown facing right)
- Traffic or Pedestrian Signal
- Temporary Pedestrian Channelizer
- Pedestrian Detour Route

NOTES:

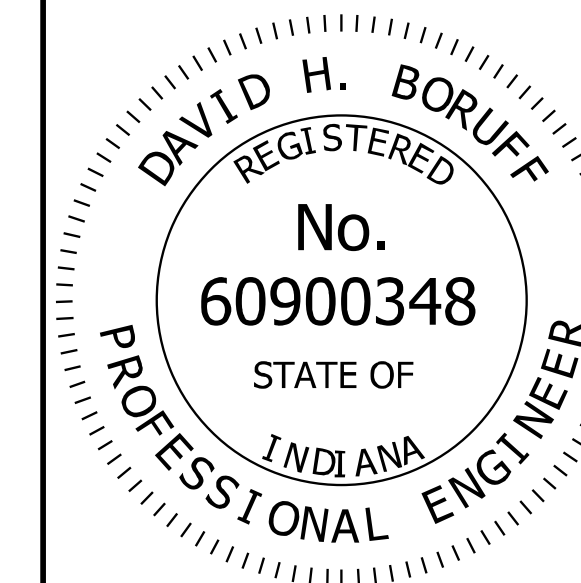
- ① Road Construction Ahead signs shall be placed a minimum 350 ft in advance of the work area. This distance may be reduced to 100 ft if the permanent posted speed limit is 30 mph or less.
- ② When there is no concurrent road construction, the message "Sidewalk Construction Ahead" may be used. They shall be placed a minimum of 100 ft in advance of the closure.

INDIANA DEPARTMENT OF TRANSPORTATION

PEDESTRIAN DETOUR
CORNER CLOSURE

SEPTEMBER 2024

STANDARD DRAWING NO. E 801-TPAR-02

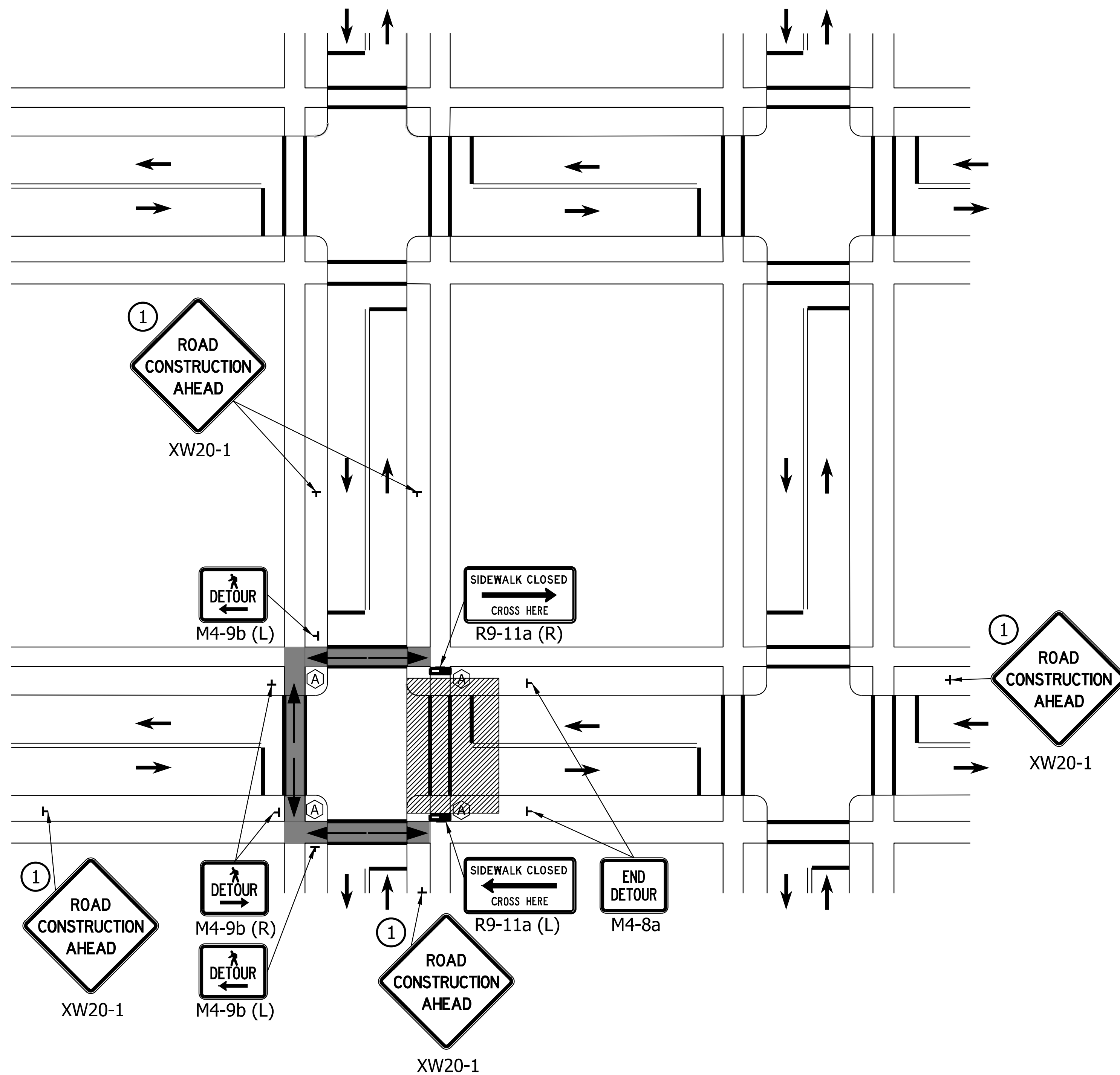


DESIGN STANDARDS ENGINEER

4/26/2024
DATE

CHIEF ENGINEER

05/13/2024
DATE



NOTE:

- ① Road Construction Ahead signs shall be placed a minimum 350 ft in advance of the work area. This distance may be reduced to 100 ft if the permanent posted speed limit is 30 mph or less.

LEGEND

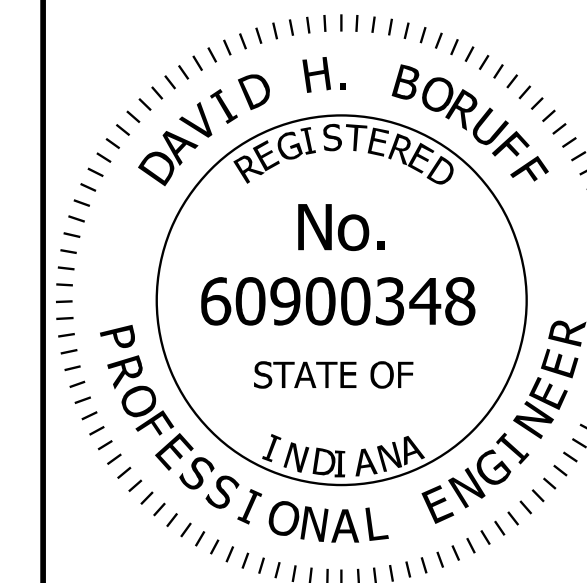
- Work Area
- Pedestrian Detour Direction
- Direction of Traffic
- Audible Information Device (when specified)
- Sign (shown facing right)
- Traffic or Pedestrian Signal
- Temporary Pedestrian Channelizer
- Pedestrian Detour Route

INDIANA DEPARTMENT OF TRANSPORTATION

PEDESTRIAN DETOUR
CROSSWALK CLOSURE

SEPTEMBER 2024

STANDARD DRAWING NO. E 801-TPAR-03

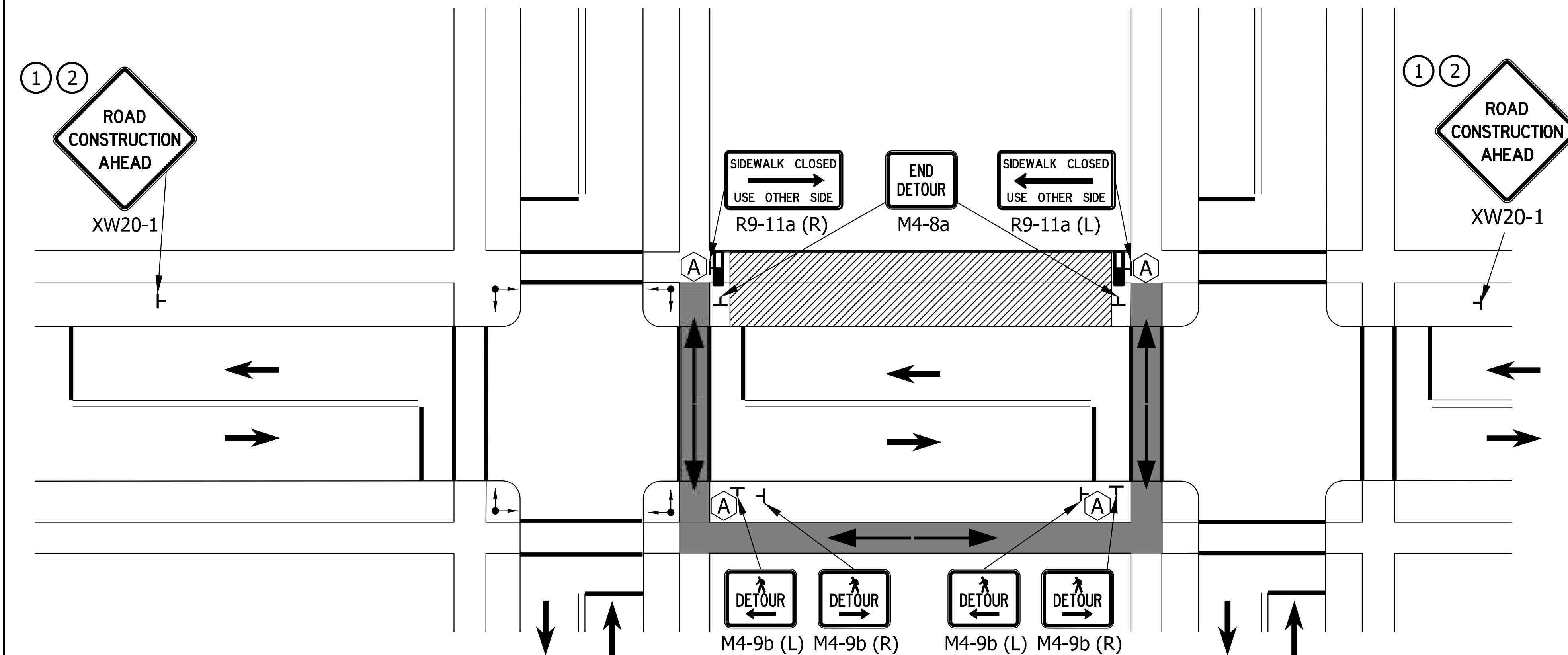


DESIGN STANDARDS ENGINEER

4/26/2024
DATE

CHIEF ENGINEER

05/13/2024
DATE



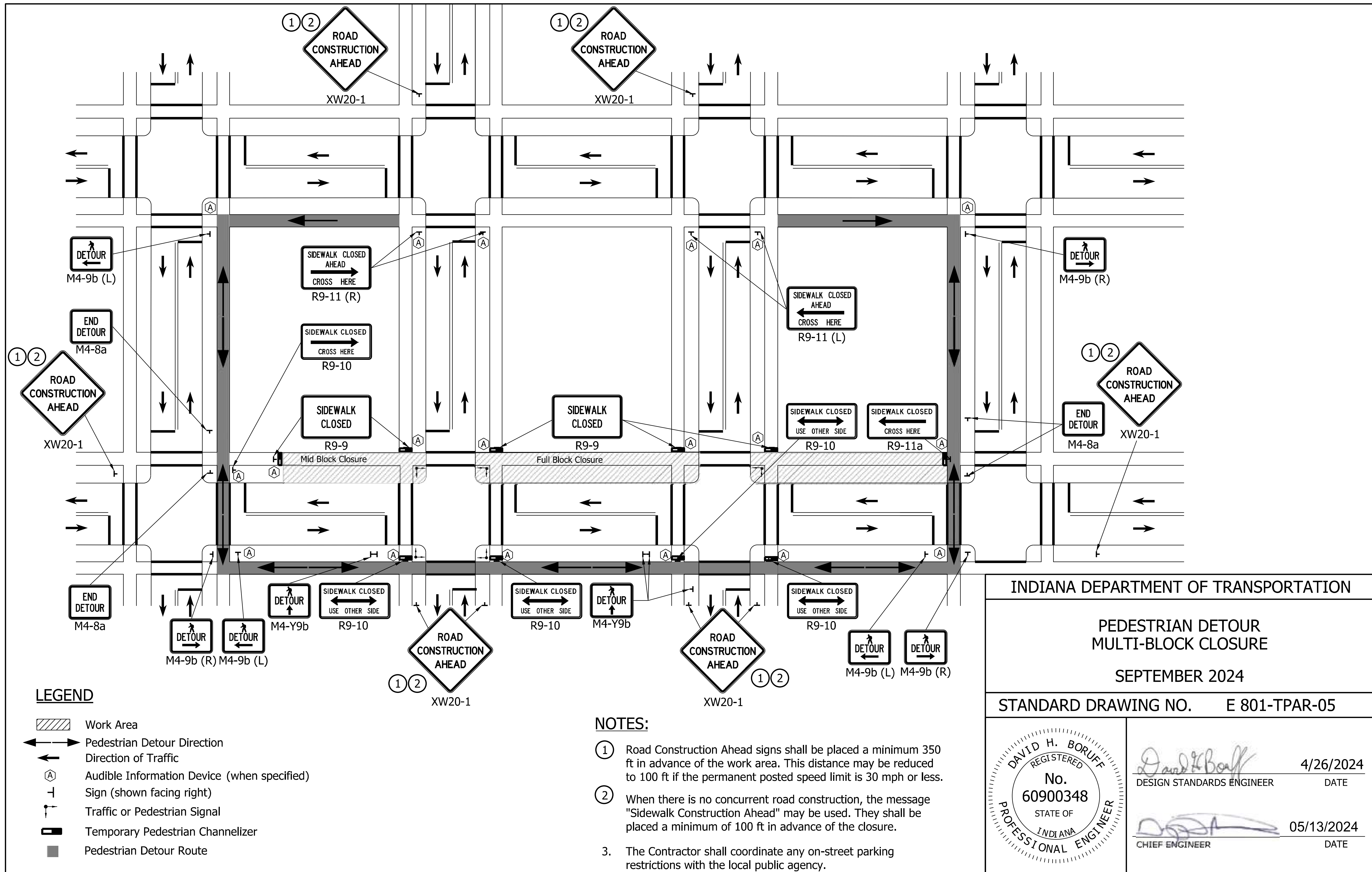
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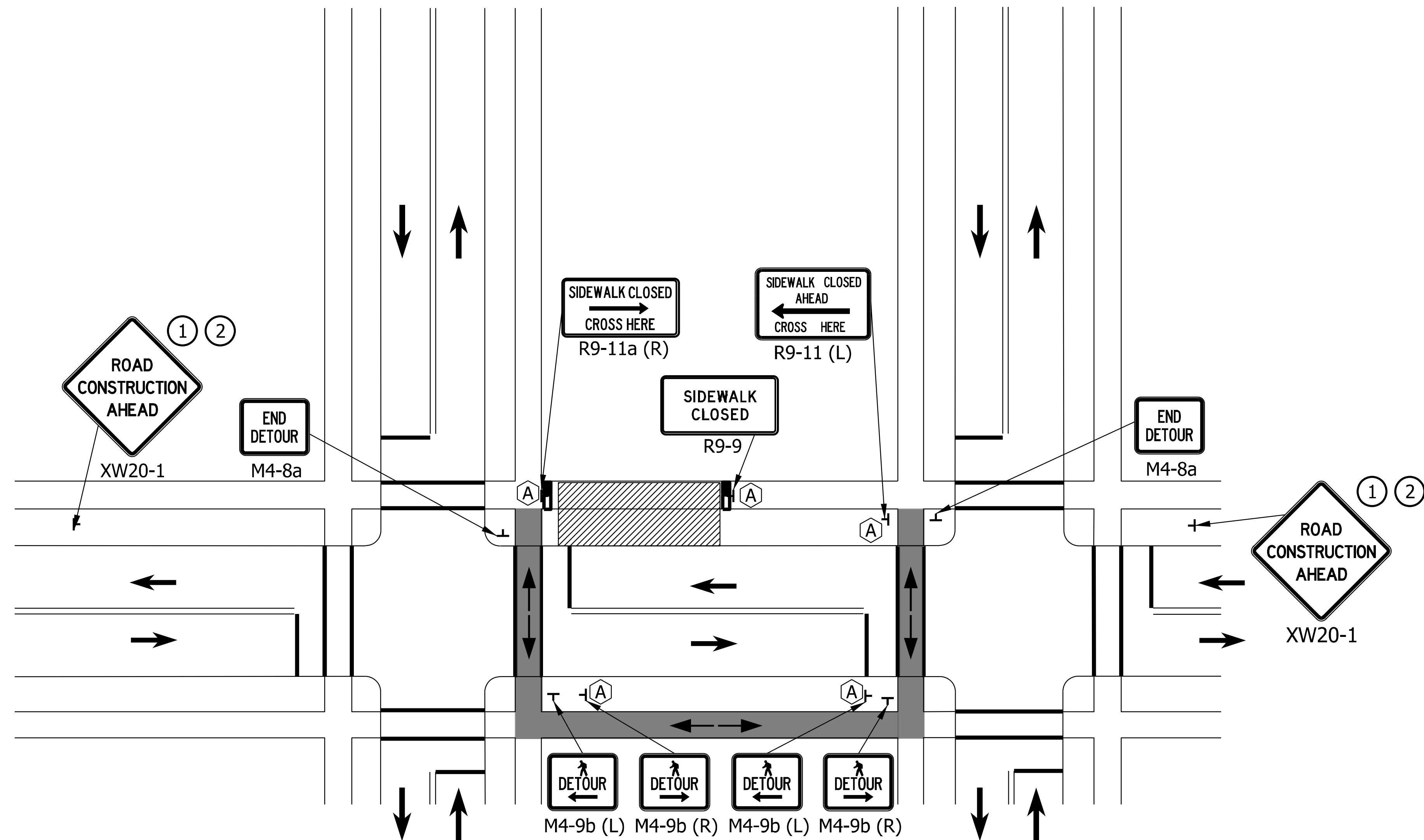
- Work Area
- Pedestrian Detour Direction
- Direction of Traffic
- Audible Information Device (when specified)
- Sign (shown facing right)
- Traffic or Pedestrian Signal
- Temporary Pedestrian Channelizer
- Pedestrian Detour Route

NOTES:

- ① Road Construction Ahead signs shall be placed a minimum 350 ft in advance of the work area. This distance may be reduced to 100 ft if the permanent posted speed limit is 30 mph or less.
- ② When there is no concurrent road construction, the message "Sidewalk Construction Ahead" may be used. They shall be placed a minimum of 100 ft in advance of the closure.
3. The Contractor shall coordinate any on-street parking restrictions with the local public agency.

INDIANA DEPARTMENT OF TRANSPORTATION	
PEDESTRIAN DETOUR FULL BLOCK CLOSURE	
SEPTEMBER 2024	
STANDARD DRAWING NO. E 801-TPAR-04	
 DAVID H. BORUFF REGISTERED No. 60900348 STATE OF INDIANA PROFESSIONAL ENGINEER	 DESIGN STANDARDS ENGINEER 4/26/2024 DATE CHIEF ENGINEER 05/13/2024 DATE





LEGEND

- Work Area
- Pedestrian Detour Direction
- Direction of Traffic
- Audible Information Device (when specified)
- Sign (shown facing right)
- Traffic or Pedestrian Signal
- Temporary Pedestrian Channelizer
- Pedestrian Detour Route

NOTES:

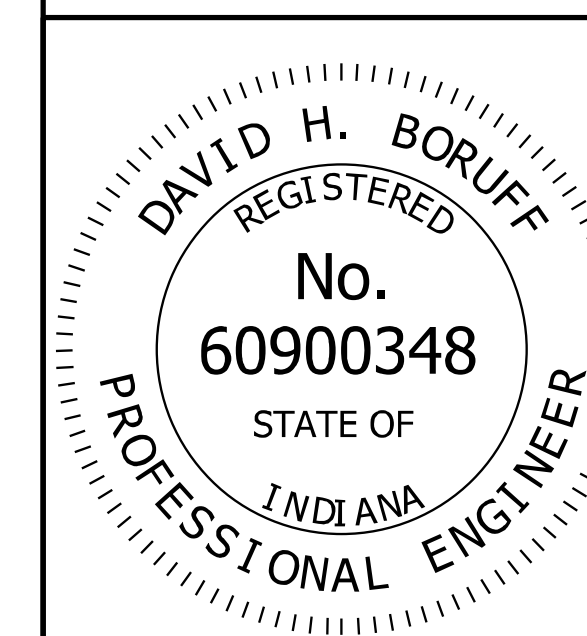
- ① Road Construction Ahead signs shall be placed a minimum 350 ft in advance of the work area. This distance may be reduced to 100 ft if the permanent posted speed limit is 30 mph or less.
- ② When there is no concurrent road construction, the message "Sidewalk Construction Ahead" may be used. They shall be placed a minimum of 100 ft in advance of the closure.
3. The Contractor shall coordinate any on-street parking restrictions with the local public agency.

INDIANA DEPARTMENT OF TRANSPORTATION

PEDESTRIAN DETOUR
MIDBLOCK CLOSURE

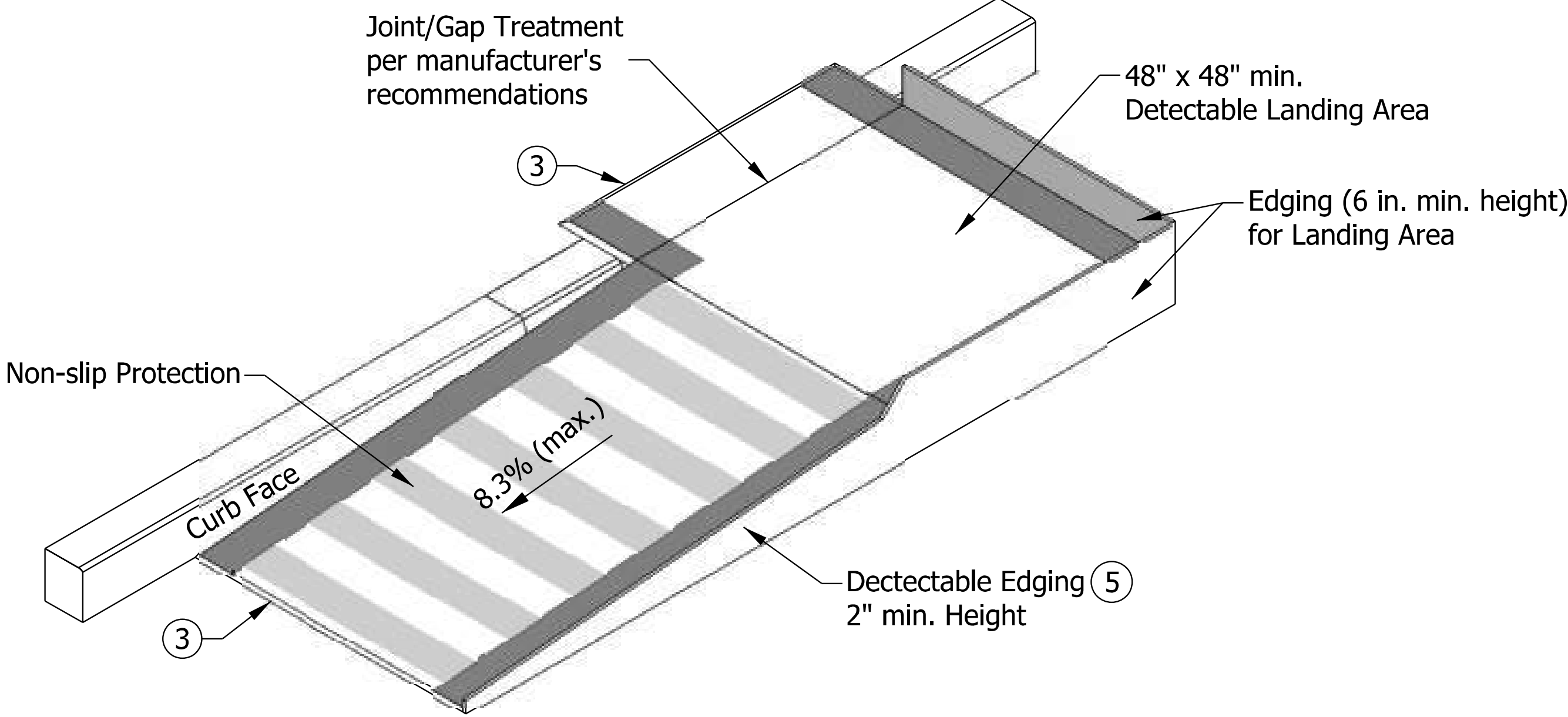
SEPTEMBER 2024

STANDARD DRAWING NO. E 801-TPAR-06

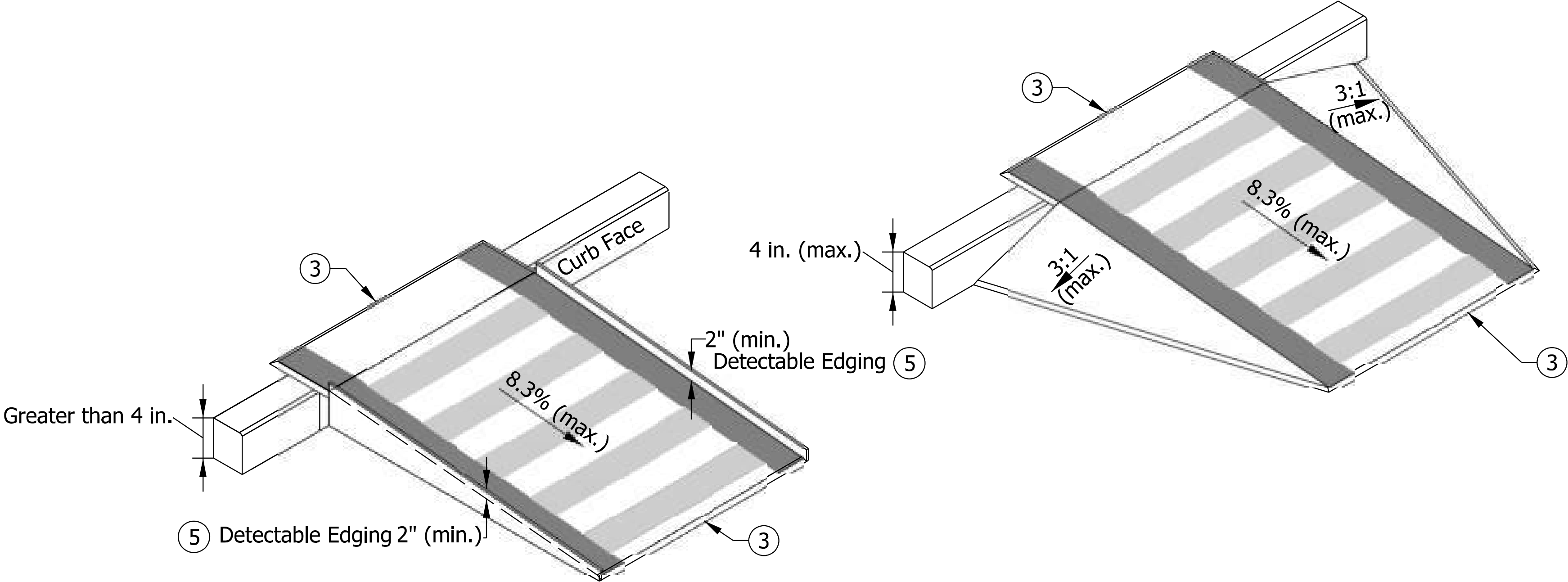


4/26/2024
DESIGN STANDARDS ENGINEER DATE

05/13/2024
CHIEF ENGINEER DATE



Temporary Curb Ramp - Parallel to Curb



Temporary Curb Ramp - Perpendicular to Curb

NOTES:

- 1. Water flow in the gutter system shall be maintained.
- 2. Lateral joints or gaps between surfaces shall be less than 0.5 in. width.
- 3 Changes in level between surface heights shall not exceed 0.5 in. Lateral edges shall be vertical up to 0.25 in. high, and beveled at 2:1 between 0.25 in. and 0.5 in. in height
- 4. Handrail shall be provided along a landing area and ramp where the elevation difference between the sidewalk and the street is greater than 6.0 in.
- 5 A 2.0 in. detectable edge shall be provided along the entire length of the ramp where the elevation difference between the sidewalk and the street is greater than 4.0 in.
- 6. The rise of a single temporary curb ramp shall be no more than 30 in. If more than one temporary curb ramp is needed at a location due to the change in elevation, a minimum 5 ft landing area shall be used between curb ramps. The landing area shall have a slope of less than 2.0%.
- 7. The table below is for common curb heights, the curb ramp length for other curb heights shall be based on having a maximum slope of 12:1.

Curb Height (in.)	Minimum Temporary Curb Ramp Length (ft)
3	3
4	4
5	5
6	6

INDIANA DEPARTMENT OF TRANSPORTATION

TEMPORARY CURB RAMPS

SEPTEMBER 2024

STANDARD DRAWING NO. E 801-TPAR-10

DAVID H. BORUFF

REGISTERED

No. 60900348

STATE OF INDIANA

PROFESSIONAL ENGINEER

4/26/2024

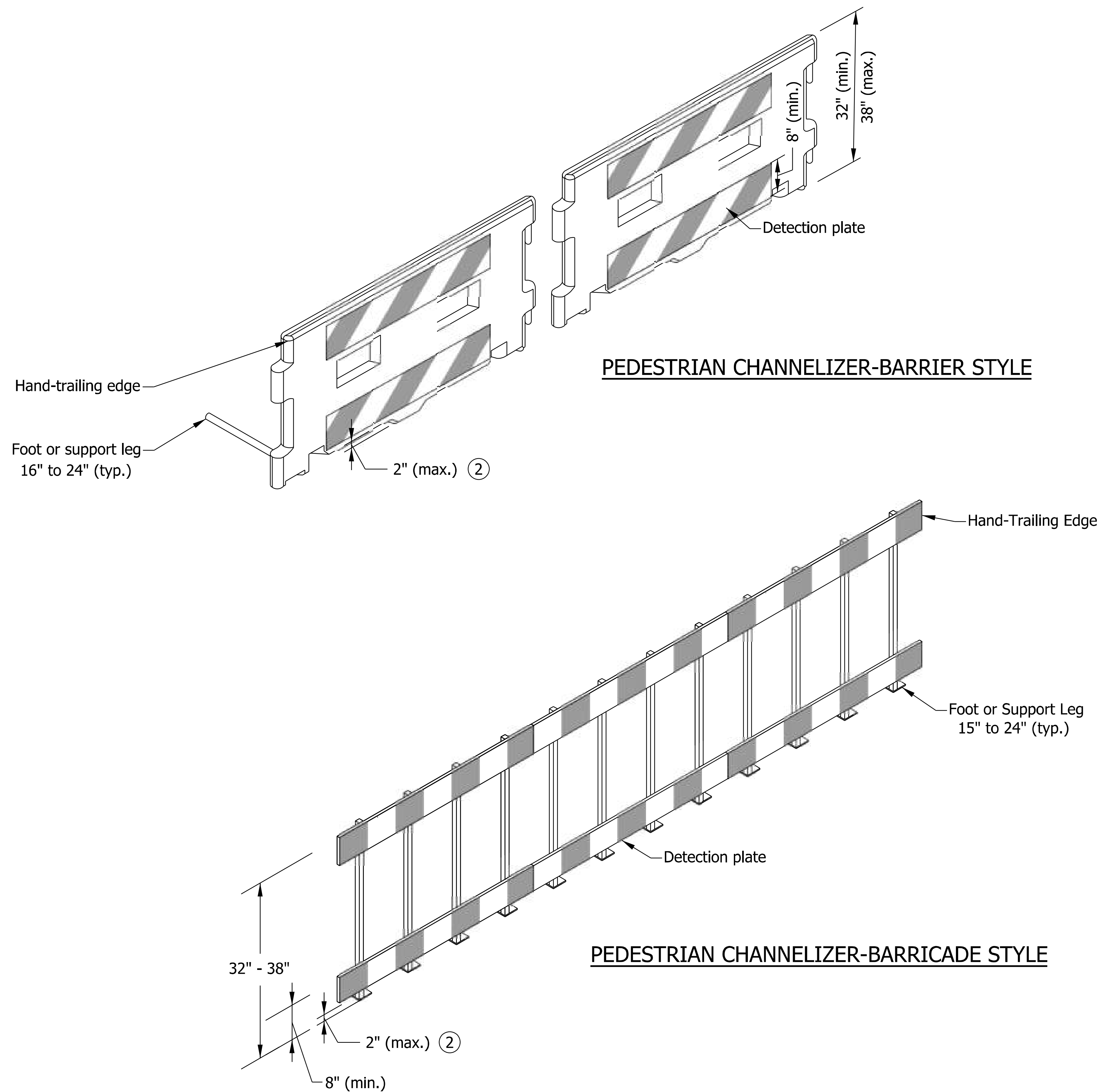
DESIGN STANDARDS ENGINEER

DATE

05/13/2024

CHIEF ENGINEER

DATE



NOTES:

1. Ballast shall be located behind or internal to the device. Any support on the front of the device shall not extend into the 48 in. minimum walkway clear space and shall have 0.25 in. max. height above the walkway surface.
- ② Devices shall not block water drainage from the walkway. A gap height or opening from the walkway surface up to 2 in. max. height is allowed for drainage purposes.
3. Type III Barricades shall not be used as pedestrian channelizers.
4. The hand-trailing edge and detection plate shall have alternating orange and white reflective sheeting oriented vertically or at a 45° angle.

INDIANA DEPARTMENT OF TRANSPORTATION	
TEMPORARY PEDESTRIAN CHANNELIZERS	
SEPTEMBER 2024	
STANDARD DRAWING NO. E 801-TPAR-11	
DAVID H. BORUFF REGISTERED No. 60900348 STATE OF INDIANA PROFESSIONAL ENGINEER	4/26/2024 DATE DESIGN STANDARDS ENGINEER 05/13/2024 DATE CHIEF ENGINEER

**RIGHT OF WAY PERMIT**

State Form 41769 (R8 / 5-17)

Approved by State Board of Accounts, 2017

Approved by Auditor of State, 2017

**STATE OF INDIANA
INDIANA DEPARTMENT OF TRANSPORTATION**

Type of Permit: ☐ Occupancy (Above Ground) ☐ Occupancy (Below Ground) ☐ Railroad ☒ Miscellaneous ☐ Shared Use		
District Laporte	Subdistrict	Telephone number
Project locations: 549 Washington Street. Closure of W. 6th Ave. (one way WB) between Washington St. and SR 53. N/S alley closure between US-20 and W. 6th Ave. Sidewalk closure north side of W. 6th Ave. from alley to Washington St.		Reference pt. number 13.76
Project description: Demolition of 549 Washington Street. Lane Closure and pedestrian detour of 6th and Washington Street		
Project purpose: MOT for the demolition of 549 Washington Street		
Bond required: ☐ Yes ☒ No	If Yes, Penal Sum \$	Bond number
PERMIT FEE: (Make check or bank draft payable to "Indiana Department of Transportation") Fee amounts per IC 8-23-2-6(13); fee schedule address: http://www.in.gov/indot/2727.htm		\$ 0
SPECIAL PROVISIONS: THE APPLICANT AGREES TO INDEMNIFY, DEFEND, EXCULPATE, AND HOLD HARMLESS THE STATE OF INDIANA, ITS OFFICIALS AND EMPLOYEES FROM ANY LIABILITY DUE TO LOSS, DAMAGE, INJURIES, OR OTHER CASUALTIES OF WHATSOEVER KIND, OR BY WHOMSOEVER CAUSED, TO THE PERSON OR PROPERTY OF ANYONE ON OR OFF THE RIGHT-OF-WAY ARISING OUT OF, OR RESULTING FROM THE ISSUANCE OF THIS PERMIT OR THE WORK CONNECTED THEREWITH, OR FROM THE INSTALLATION, EXISTENCE, USE, MAINTENANCE, CONDITIONS, REPAIRS, ALTERATION, OR REMOVAL OF ANY EQUIPMENT OR MATERIAL, WHETHER DUE IN WHOLE OR IN PART TO THE NEGLIGENT ACTS OR OMISSIONS (1) OF THE STATE, ITS OFFICIALS, AGENTS, OR EMPLOYEES; OR (2) OF THE APPLICANT, HIS AGENTS, OR EMPLOYEES, OR OTHER PERSONS ENGAGED IN THE PERFORMANCE OF THE WORK, OR (3) THE JOINT NEGLIGENCE OF ANY OF THEM; INCLUDING ANY CLAIMS ARISING OUT OF THE WORKMEN'S COMPENSATION ACT OR ANY OTHER LAW, ORDINANCE, ORDER, OR DECREE. THE APPLICANT ALSO AGREES TO PAY ALL REASONABLE EXPENSES AND ATTORNEY'S FEES INCURRED BY OR IMPOSED ON THE STATE IN CONNECTION HERewith IN THE EVENT THAT THE APPLICANT SHALL DEFAULT UNDER THE PROVISIONS OF THIS PARAGRAPH.		
Signature of permit applicant		Printed name of permit applicant William Allen
Name of company organization City of Gary		Telephone number (219) 881-1310 Ext.
Address (number and street, city, state, ZIP code) 401 Broadway Detroit, IN 48202		
Inspector Guadalupe Gomez		
District Regulatory Supervisor -		
District Director		

Application number
T0000204569Road number
SR 53County number
LakeExpiration date
08/22/2026Issue date
08/22/2025Permit number
E25LM10102



RIGHT OF WAY PERMIT

ADDITIONAL SPECIAL PROVISIONS

STATE OF INDIANA INDIANA DEPARTMENT OF TRANSPORTATION

Please notify your INDOT permit investigator 5 days prior to the start of the permitted work.
Lupe Gomez 219-939-3908 Ggomez@indot.IN.gov

Traffic Control: The permittee is responsible to install and maintain any necessary traffic control signs, barricades, and other traffic control devices needed to safely and clearly direct traffic through or around the work zone. Traffic control shall be done in accordance with the INDOT Work Zone Traffic Control Guidelines and the Indiana Manual on Uniform Traffic Control Devices (IMUTCD). Disruption to traffic shall be kept to a minimum. www.workzonesafety.in.gov
If there is any lane restriction or closure for more than a half an hour planned, you must notify your INDOT permit investigator 21 days in advance of the work to start.

The permittee for himself, his heirs, personal representatives, successors in interest, and assigns, as part of the consideration hereof, does hereby covenant and agree that in the event facilities are constructed, maintained, or otherwise operated on the said property described in this permit for a purpose for which a Department of Transportation program or activity is extended or for another purpose involving the provision of similar services or benefits, the permittee shall maintain and operate such facilities and services in compliance with all other requirements imposed pursuant to Title 49, code of Federal Regulations, Department of Transportation, Subtitle A, Office of the Secretary, Part 21, Nondiscrimination in Federally-assisted programs of the Department of Transportation – Effectuation of Title VI of the Civil Rights Act of 1964, and as said regulations may be amended. That in the event of breach of any of the above nondiscrimination covenants, Indiana Department of Transportation shall, have the right to terminate the permit and to re-enter and repossess said land and the facilities thereon, then hold the same as if said permit had never been made or issued.

Application number

T0000204569

Road number

SR 53

County number

Lake

Expiration date

8/22/2026

Issue date

8/22/2025

Permit number

E25LM10102



INDIANA DEPARTMENT OF TRANSPORTATION

100 North Senate Avenue
Room N758
Indianapolis, Indiana 46204

PHONE: (855) 463-6848

Eric Holcomb, Governor
Michael Smith, Commissioner

GENERAL PROVISIONS MISCELLANEOUS PERMITS

PRE-WORK REQUIREMENTS

1. In accordance with the notice requirements of Indiana Code 4-21.5, any objection to the conditions and provisions of an approved permit must be submitted in writing to INDOT with fifteen (15) days from the issue date.
2. Permittee shall notify INDOT five (5) business days preceding the beginning of any work activity.
3. Permittee shall neither disturb nor manipulate any existing traffic control devices. Permittee shall contact the Signal Technician at the appropriate District Office listed below at least five (5) days prior to doing work in the right-of-way that will affect any existing traffic control devices. Any damages to a traffic control device shall be repaired immediately at Permittee's expense by an INDOT prequalified contractor.
4. All existing utilities and other underground facilities such as traffic signal appurtenances must be located prior to commencing excavation.
5. Approval of the permit application shall be subject to Permittee obtaining all necessary authorizations from federal, state, and local authorities and complying with all applicable laws, rules, and regulations. The issuance of the permit shall in no way imply INDOT approval of or be intended to influence any action pending before a federal, state, or local board, commission, or agency. Failure to comply may result in revocation of the permit.
6. All work on highway right-of-way authorized by this permit must be completed within one (1) year after the permit is issued. Once construction authorized by the permit is initiated it must be completed within one-hundred eighty (180) days, unless otherwise expressly approved as a special condition.
7. The permit is valid through the stated expiration date. If work is not completed within the allotted time, the permit is automatically cancelled unless an extension is requested prior to the expiration date and said request is approved by INDOT. If a permit is cancelled, a new application must be submitted and approved before the proposed work can be accomplished.
8. INDOT makes no representations, warranties, or assurances regarding the validity or enforceability of any public right-of-way or other land rights ascribed to INDOT. It is the permittee's responsibility to perform any and all research and investigation necessary to evaluate public right-of-way to be used by way of this permit, if applicable.



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TRAFFIC AND SAFETY

9. Permittee shall erect and maintain all necessary signs, barricades, detour signs, and warning devices required to safely direct traffic over or around the part of the highway where permitted operations are to be done so long as the work does not interfere with traffic, in accordance with section "VI" of the Indiana Manual of Uniform Traffic Control Devices.
10. Permittee shall adhere to the Maintenance of Traffic plan during construction if such activities require lane closures or traffic restrictions.
11. Permittee shall adhere to traffic control measures found in the most recent version of the Indiana Manual on Uniform Traffic Control Devices, as currently adopted by INDOT.
12. Permittee shall construct and maintain the Site pursuant to INDOT's Standard Specifications to protect the highway's safety, structural integrity, and appearance. Permittee shall not cause unreasonable interference with highway use.
13. The permitted operation shall be allowed on state-owned or controlled right-of-way only between sunrise and sunset unless specifically allowed by an additional special provision to this permit. In accordance with 105 I.A.C. 7-1-26, no work may be performed at times associated with the following holidays:
 - a. New Year's Day
 - b. Memorial Day
 - c. Independence Day
 - d. Labor Day
 - e. Thanksgiving
 - f. Christmas

during the period beginning at 12:00 noon on the last weekday preceding the holiday and continuing until sunrise on the first weekday following the holiday.

QUALITY OF WORK

14. Permittee shall follow all guidelines, policies, and procedures in the Permit Manual.
15. Work shall be performed in accordance with the attached plans.
16. Permittee shall cause all work to be performed in a good and workmanlike manner.
17. All work described in the permit shall be subject to the inspection of INDOT and Permittee shall adjust or stop operations upon direction of any police officer or INDOT employee.
18. Permittee shall have the permit, complete with drawings and special provisions, in their possession during work operations and will show said permit, on demand, to any police officer or authorized INDOT employee.
19. The permitted operations shall not interfere with any existing structure on INDOT right-of-way without specific permission, in writing, from INDOT. If any buildings, railings, traffic control devices, or other structures are damaged, said cost of the removal and or damage shall be borne by Permittee.



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100 North Senate Avenue
Room N758
Indianapolis, Indiana 46204

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Eric Holcomb, Governor
Michael Smith, Commissioner

20. Permittee shall at all times protect the pavement surface and right-of-way from damage due to the use of heavy equipment, and shall provide and use approved pads, planks, or dirt cushion to protect against other damage. Immediately before any section of the highway is to be placed back in used for traffic, Permittee shall remove all excess dirt and sweep pavement surface to eliminate unnecessary dust hazards.
21. Drainage on shoulders, ditches, or otherwise on the right-of-way shall not be obstructed. Appropriate control measures shall be followed to protect the right-of-way from erosion.
22. If at any time in the future, this installation should become damaged due to normal maintenance or roadwork by INDOT, Permittee shall be responsible for all repairs and cost of repairs that may arise from such damage.
23. Work within the sodded areas of the right-of-way shall not be performed during wet periods. Any damage to the sodded areas of the right-of-way must be repaired and properly seeded.
24. No trees or plants on the right-of-way of any interstate, federal highway, or state highway shall be trimmed or removed without written permission from INDOT.
25. Permittee itself and its heirs, personal representatives, successors in interest, and assigns, as part of the consideration hereof, does hereby covenant and agree that in the event facilities are constructed, maintained, or otherwise operated on the property described in this permit for a purpose for which a Department of Transportation program or activity is extended or for another purpose involving the provisions of similar services or benefits, Permittee shall maintain and operate such facilities and services in compliance with all other requirements imposed pursuant to Title 49, Code of Federal Regulations, Department of Transportation, Subtitle A, office of the Secretary, Part 21 Nondiscrimination in Federally-assisted programs of the Department of Transportation – Effectuation of Title VI of the Civil Rights Act of 1964, Title 23 Code of Federal Regulations, Part 200, Title VI Program and Related Statutes – Implementation and Review Procedures, and as said Regulations may be amended. That in the event of breach of any of the above nondiscrimination covenants, the Indiana Department of Transportation shall have the right to terminate the permit and to re-enter and repossess said land and the facilities thereon, and hold the same as if said permit had never been made or issued.

Permittee itself and its heirs, personal representatives, successors in interest, and assigns, as part of the consideration hereof, does hereby covenant and agree that (1) no person on the ground of race, color, national origin, sex, sexual orientation, gender identity, age, disability, religion, income status, or limited English proficiency shall be excluded from participation in, denied benefits of, or otherwise be subjected to discrimination in the use of said facilities, (2) that in the construction of any improvements on, over or under such land and the furnishing of services thereon, no person on the ground of race, color, national origin, sex, sexual orientation, gender identity, age, disability, religion, income status, or limited English proficiency shall be excluded from participation in, denied benefits of, or otherwise be subjected to discrimination, (3) that Permittee shall use the premises in compliance with all other requirements imposed by or pursuant to Title 49, Code of Federal Regulations, Department of Transportation, Subtitle A, office of the Secretary, Part 21 Nondiscrimination in Federally-assisted programs of the Department of Transportation – Effectuation of Title VI of the Civil Rights Act of 1964, Title 23 Code of Federal Regulations, Part 200, Title VI Program and Related Statutes – Implementation and Review Procedures, and as said Regulations may be amended. That in the event of breach of any of the above nondiscrimination covenants, the Indiana Department of Transportation shall have the right to terminate the permit and to re-enter and repossess said land and the facilities thereon and hold the same as if said permit had never been made or issued.



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Michael Smith, Commissioner

POST-WORK REQUIREMENTS

26. Permittee shall notify INDOT that the work is complete, and this notice is to be provided within seven (7) calendar days from completion of all work on this Permit.
27. Within seven (7) days after a new installation or repair to an existing installation is performed, all excess dirt or obstructions caused by the installation or repair must be removed and the area must be restored to a condition by Permittee so as not to interfere with mowing the highway right-of-way.

INDEMNIFICATION

28. Permittee agrees to indemnify, defend, save, and hold harmless the Indiana Department of Transportation (INDOT), the State of Indiana, and their officers, employees, agents, representatives, successors, and assigns from all claims (including costs and expenses of defending against such claims, including attorney fees) arising from any act or omission of Permittee or Permittee's agents, employees, or contractors relating to this Permit or breach of any provision of this Permit by Permittee or Permittee's agents, employees, or contractors. Indemnification shall not be limited by reason of any insurance coverage. Neither INDOT nor the State of Indiana shall provide indemnification to Permittee. Permittee understands and agrees that the obligations contained in this special provision shall survive expiration or termination of the Permit.

REVOCATION OF PERMIT

29. Failure to comply with the Permit Manual and the General Provisions of the Permit shall result in revocation of the Permit.

INDIANA DEPARTMENT OF TRANSPORTATION DISTRICT OFFICES

Crawfordsville District

41 W 300 North
Crawfordsville, IN 47933

Greenfield District

32 S Broadway
Greenfield, IN 46140

Seymour District

185 Agrico Lane
Seymour, IN 47274

Fort Wayne District

5333 Hatfield Road
Fort Wayne, IN 46808

LaPorte District

315 E Boyd Blvd
LaPorte, IN 46350

Vincennes District

3650 US 41 South
Vincennes, IN 47591

INDOT Transportation Services Phone Number: (855) 463-6848

NORTHWEST INDIANA
REGIONAL DEVELOPMENT AUTHORITY

SPECIAL PROVISION
FOR
**MAINTAINING TRAFFIC –
PARCEL NUMBER 45-08-04-332-012**

1 of 5

a. Description. This special provision consists of requirements and restrictions to maintain traffic on Tyler Street and W. 6th Avenue, in the city of Gary, Indiana.

b. General. Maintain traffic throughout the project in accordance with the standard drawings, maintenance of traffic plans, and specifications in the contract as described for this site.

c. Construction Influence Area (CIA). The CIA includes the right-of-way of the following roadways, within the approximate limits described below:

1. On W. 6th Avenue, from Polk Street to Van Buren Street.
2. On Tyler Street, from W. 5th Avenue (EB US-20) to W. 6th Avenue.
3. On W. 5th Avenue (EB US-20), from Polk Street to Van Buren Street.
4. On Van Buren Street, from W. 5th Avenue (EB US-20) to W. 6th Avenue.
5. The public alley south of W. 5th Avenue, from Polk Street to Tyler Street.

d. Traffic Restrictions. Maintain traffic in accordance with the standard drawings, Maintenance of Traffic Plans, and specifications contained herein, except as noted below. Changes or adjustments to maintaining traffic standard drawings and plans may be necessary to fit field conditions, subject to approval of the Engineer or as determined by the Engineer.

1. Utilize the following Maintaining Traffic Standard and Other Drawings:

- A. E 601-IAED-01
- B. E 801-TCLG-01
- C. E 801-TCCB-01 - 06
- D. E 801-TCDV-01 – 08
- E. E 801-TCSC-06
- F. E801-TCLC-12
- G. E801-TCDT-02 – 04
- H. E801-TPAR-02 – 06, 10 – 11
- I. Maintenance of Traffic Plans – Street, Gary Commercial Blight Elimination

2. Do not work, deliver material, or close lanes during the holiday periods shown in Table 1.

Table 1: 2026 - 2027 Holiday Periods

Holiday	Date
Columbus Day	Monday, October 12 th , 2026
Veterans Day	Wednesday, November 11 th , 2026
Thanksgiving Day	Thurs. – Fri., November 26 th -27 th , 2026
Christmas Day	Friday, December 25 th , 2026
New Year's Day	Friday, January 1 st , 2027
Martin Luther King Jr. Day	Monday, January 18 th , 2027
Lincoln's Birthday	Friday, February 12 th , 2027
President's Day	Monday, February 15 th , 2027
Memorial Day	Monday, May 31 st , 2027
Juneteenth	Saturday, June 19, 2027
Independence Day	Sunday, July 4 th , 2027
Labor Day	Monday, September 6 th , 2027
Columbus Day	Monday, October 11 th , 2027
Veterans Day	Thursday, November 11 th , 2027
Thanksgiving Day	Thurs. – Fri., November 25 th -26 th , 2027
Christmas Day	Saturday, December 25 th , 2027

3. Close the northern half of W. 6th Avenue while maintaining westbound traffic on the southern half of W. 6th Avenue from Polk Street to the public alley east of Tyler Street during Phase 1 demolition and site restoration activities.

4. A complete closure of southbound Tyler Street from W. 6th Avenue to the public alley south of W. 5th Avenue (EB US-20) is permitted during Phase 1 demolition and site restoration activities. Public access to the Gary Parole Office shall always be maintained from the public alley south of W. 5th Avenue through the surface lot south of the alley.

5. A complete closure of the public alley south of 5th Avenue (EB US-20) from Polk Street to Tyler Street is permitted during Phase 1 demolition and site restoration activities.

6. Maintain access to all driveways and side streets, unless otherwise identified on the plans.

e. Traffic General.

1. For any lane open to traffic, provide a minimum lane width of 11 feet with 2 feet of shy distance on both sides unless identified otherwise on plans.
2. Place lane closures only in areas as shown on the plans unless otherwise directed by the Engineer.
3. Prior to shifting traffic or opening any lanes, remove, by sweeping all accumulated debris that has collected within the closure area.

4. A speed reduction will not be used.
5. Protect the work area at the end of each day. Close all open access points on the project to traffic with Type III barricades or other devices approved by the Engineer.
6. The Engineer has completed the INDOT permit application for maintenance of traffic activities associated with this project, that includes the placement of the traffic control devices within INDOT Right-of-Way. The Contractor is required to install and maintain any necessary traffic control devices required to safely and clearly direct traffic through or around the work zone. The Contractor shall comply with all permit requirements and INDOT General Provisions. No additional payment will be made for complying with the permit or the General Provisions requirements, for work in INDOT right-of-way, and for the coordination of all associated work.
7. The Contractor is responsible for notifying emergency services, transit agencies, law enforcement and schools prior to any lane closures, detours or major traffic shifts. In addition, the Contractor will be responsible for working with and complying with any coordination that is necessary with emergency services, transit agencies, law enforcement and schools.

Project notification and coordination will include community service outreach. Notify the following local community services a minimum of two weeks (14 calendar days) prior to the start of any site work, and three weeks (21 calendar days) for site work near or within any railroad right-of-way. The project information will be distributed to the Department of Revenue to assist in the reroute of OS/OW vehicles. All roadway restrictions are to be reported, prior to the start of site work.

Community Service Notification

Lake County 911 Dispatch (Fire, Police, and EMS)	(219) 660-0000	N/A
Department of Revenue	(219) 851-1251	aparkhouse@indot.in.gov cbajek@indot.in.gov lahuffman@indot.in.gov
Gary Public Schools	(219) 881-5466	N/A
U.S. Postal Service	(219) 886-8000	N/A
INDOT	(855) 463-6848	N/A
Gary Public Works	(219) 881-1310	N/A
Gary Public Transportation Corp.	(219) 884-6100	N/A

All costs associated with the coordination efforts outlined herein will be considered included in the pay item “_Building and Property Improvements Removal, Commercial, Parcel 45-08-04-332-012.”

8. Remove all temporary traffic control devices from INDOT and the city of Gary right-of-way during any shut down periods unless needed for directly maintaining or channelizing traffic. No additional payment will be made for the removal and/or redeployment of these devices.

9. Once work is initiated that includes any lane restrictions, that work must be continued daily until completed. A lack of work activity for more than 3 calendar days will require the removal of lane closures at no expense to the contract. Redeployment of all required traffic control for lane closures shall be completed at the Contractor's expense.

f. Detours.

1. Do not detour traffic until all proposed contract work on the detour route is completed, inspected, and approved by the Engineer.
2. Signs should be placed within the road right-of-way when remediation and demolition work is taking place on the structure.

g. Pedestrian or Non-Motorized Facilities.

1. Maintain all facilities in accordance with *The Americans with Disability Act* (ADA) requirements and the Public Right-of-Way Accessibility Guidelines (PROWAG). Provide facilities equivalent to or better than the route a person would have encountered prior to construction activities.
2. Prior to demolition, construct a temporary curb ramp opening at the Harrison Street and W. 6th Avenue intersection, as shown in the plans. Detour pedestrian traffic to the south side of W. 6th Avenue between Polk Street and Harrison Street during Phase 1 demolition activities.
3. Close the sidewalk on the east and west side of Tyler Street at the public alley located south of W. 5th Avenue (EB US-20), due to impacts of the work. Place temporary traffic control directing pedestrian traffic as shown in the plans.
4. Keep sidewalk areas clear of any equipment or materials at all times as the sidewalks outside of closure areas are open to pedestrian traffic.

h. Traffic Control Devices. Ensure all traffic control devices are in accordance with the INDOT 2026 Standard Specifications and must meet the "acceptable" criteria as defined in the ATSSA publication entitled "*Quality Guidelines for Temporary Traffic Control Devices and Features*" at the time of initial deployment.

1. During non-working periods, place applicable advance signs face down and remove channelizing devices from the public right-of-way, as directed by the Engineer, at no additional cost to the contract.
2. Notify the Engineer 24 hours in advance of when traffic control devices are being delivered to the project site, to allow for initial inspection of devices to take place.
3. Remove from the project site all traffic control devices (including detour signing) no longer needed for site remediation or demolition within 14 calendar days of reopening a lane/roadway.

4. Channelizing Devices.

A. Ensure all devices have sufficient ballast to prevent moving or tipping. If moving or tipping occurs, place additional ballast, as directed by the Engineer, at no additional cost to the contract. No more than two ballasts are allowed on each channelizing device.

B. Do not use caution tape on this project.

C. Space channelizing devices at 10 feet for tapers and 25 feet for tangents or tighter as directed by the Engineer.

i. Temporary Barrier (TB) and Impact Attenuators.

1. Place temporary concrete barrier with the flow of the traffic. Place the end treatment first when deploying the TB and remove the end treatment last when removing the TB.

2. Do not place TB on slopes that are steeper than 1:10.

3. Place TB in accordance with the Standard Drawing Series E801-TCCB. At no time will traffic be exposed to the blunt end of TB or permanent barrier wall without proper attenuation.

j. Measurement and Payment. Payment for all maintenance of traffic devices and operations, as defined herein, is included in the pay items “_Building and Property Improvements Removal, Commercial, Parcel 45-08-04-332-012.” No additional payment will be made for the following activities:

1. Transporting traffic control items around the site or within the CIA.

2. Construction of a temporary curb ramp opening at the Harrison Street and W. 6th Avenue intersection.

3. Providing sufficient vehicles and staff to make changes as needed on site during work.

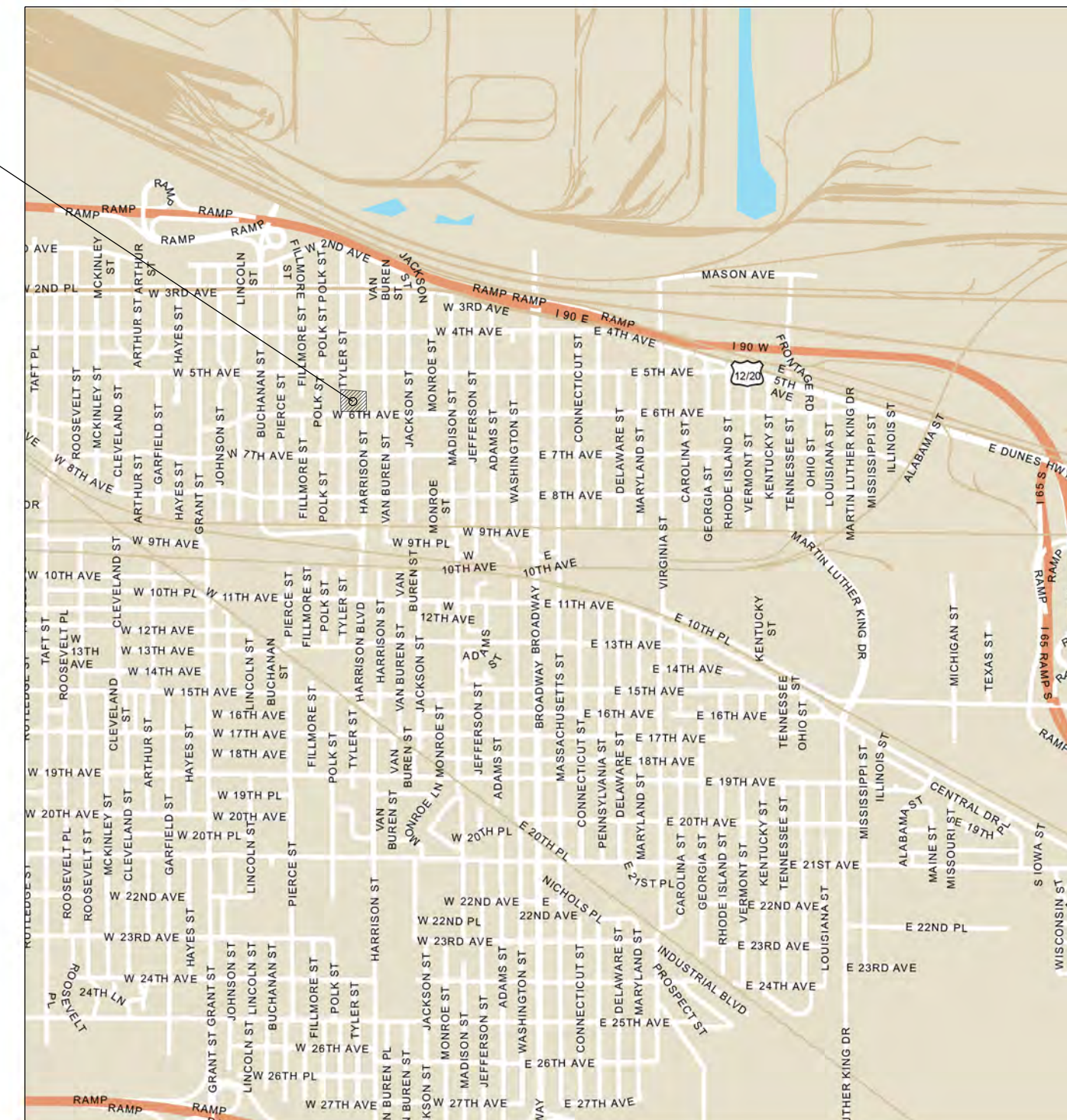
4. Providing sufficient vehicles and staff to remove closures from the roadway.

5. Providing additional traffic control devices required to expedite contract items of work for the convenience of the Contractor.

MAINTENANCE OF TRAFFIC PLANS

GARY COMMERCIAL BLIGHT ELIMINATION

540 Tyler Street
Section 3, T-36-N, R-8-W, Gary, Lake County, Indiana



PROJECT LOCATION SHOWN BY
LAKE COUNTY

INDIANA DEPARTMENT OF TRANSPORTATION
STANDARD SPECIFICATIONS DATED 2024
TO BE USED WITH THESE PLANS

PLANS
PREPARED BY: INFRASTRUCTURE ENGINEERING, INC. (317) 243-9800
PHONE NUMBER

CERTIFIED BY: _____ DATE

APPROVED
FOR LETTING: _____ DATE

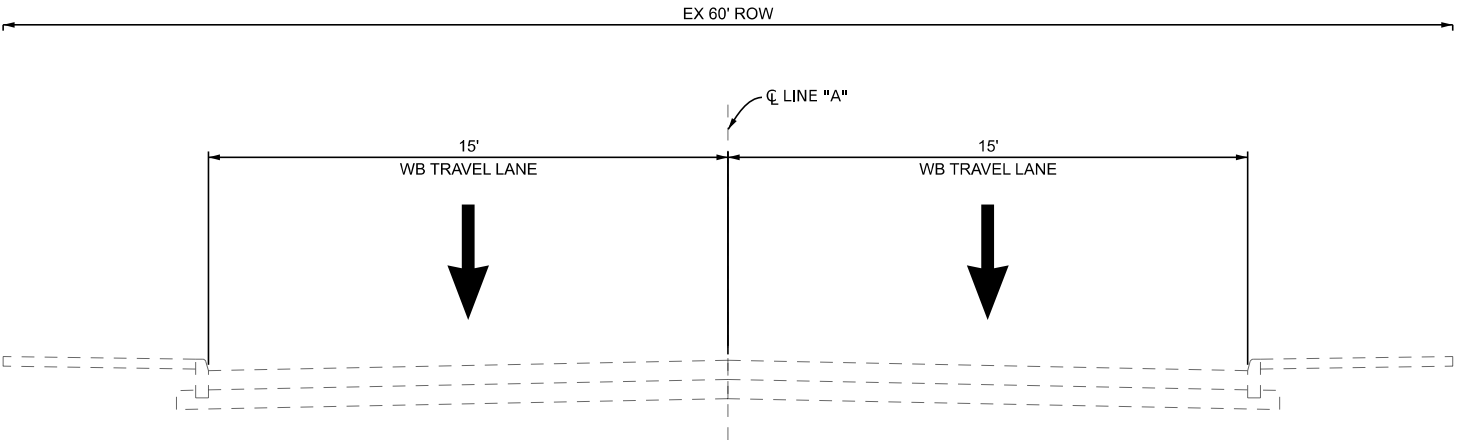
	DESIGNATION		
SURVEY BOOK	SHEETS		
		of	
CONTRACT	PROJECT		

STANDARD PLANS

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TEMPORARY CONCRETE BARRIER INDEX SHEET	E 801-TCCB-01
TEMPORARY CONCRETE BARRIER DIMENSIONS AND FLARE RATES	E 801-TCCB-02
TEMPORARY CONCRETE BARRIER DETAILS	E 801-TCCB-03
TEMPORARY CONCRETE BARRIER DOUBLE TAPER END SECTION	E 801-TCCB-04
ANCHORED TEMPORARY CONCRETE BARRIER, DROP-IN ANHCOR	E 801-TCCB-05
ANCHORED TEMPORARY CONCRETE BARRIER FERRULE LOOP INSERT	E 801-TCCB-06
TRAFFIC CONTROL DEVICES INDEX AND GENERAL NOTES	E 801-TCDV-01
CHANNELIZING DEVICES	E 801-TCDV-02
MERGE OR SHIFT TAPER	E 801-TCDV-03
CHANNELIZING DEVICE USAGE	E 801-TCDV-04
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TYPE III BARRICADE APPLICATION FOR ROAD CLOSURE FOR THRU TRAFFIC	E 801-TCDV-07
TYPE III BARRICADE APPLICATION FOR ROAD CLOSURE TO ALL TRAFFIC	E 801-TCDV-08
SHOULDER CLOSURE ON TWO LANE HIGHWAY WITH LOCAL ACCESS	E 801-TCSC-06
SHORT OR INTERMEDIATE TERM STATIONARY LANE CLOSURE ON THREE LANE ROAD	E 801-TCLC-12
URBAN DETOUR	E 801-TCDT-02
URBAN DETOUR WITH ONE-WAY STREETS	E 801-TCDT-03
URBAN ROUTE MARKER ASSEMBLIES	E 801-TCDT-04
PEDESTRIAN DETOUR CORNER CLOSURE	E 801-TPAR-02
PEDESTRIAN DETOUR CROSSWALK CLOSURE	E 801-TPAR-03
PEDESTRIAN DETOUR FULL BLOCK CLOSURE	E 801-TPAR-04
PEDESTRIAN DETOUR MULTI-BLOCK CLOSURE	E 801-TPAR-05
PEDESTRIAN DETOUR MIDBLOCK CLOSURE	E 801-TPAR-06
TEMPORARY CURB RAMPS	E 801-TPAR-10
TEMPORARY PEDESTRIAN CHANNELIZER	E 801-TPAR-11
IMPACT ATTENUATOR ED LAYOUT	E 601-IAED-01

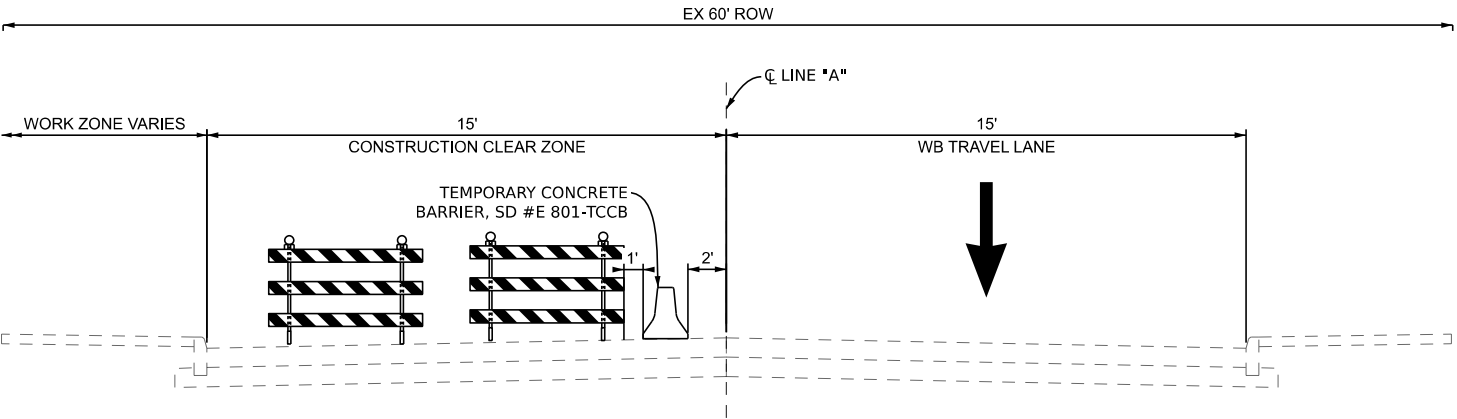
SHEET INDEX

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540 Tyler St. Typical Section (Tyler St.)	3
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540 Tyler St. STG Sheet Phase 1 (Tyler St.)	6
540 Tyler St. STG Sheet Phase 1 (Alley South of 5th Ave)	7
540 Tyler St. Pedestrian Staging Sheet Phase 1 (6th Ave)	8
540 Tyler St. Pedestrian Staging Sheet Phase 1 (6th Ave)	9
540 Tyler St. Pedestrian Staging Sheet Phase 1 (Tyler St.)	10
540 Tyler St. Detour Routes	11



EXISTING W 6TH AVE NORMAL SECTION

SECTION APPLIES TO:
TYLER ST TO POLK ST



W 6TH AVE MOT PHASE 1

SECTION APPLIES TO:
POLK ST TO PUBLIC ALLEY EAST OF TYLER STREET

NOTES:

1. All signs, barricades, and pavement markings shall conform to the latest edition of the Indiana Manual on Uniform Traffic Control Devices for Streets and Highways, INDOT Standard Drawings, and any currently supplements thereto.
2. All signals are to be reviewed in each phase and temporary modifications shall be coordinated by the contractor. Payment for temporary modifications and restoration of all modifications shall be included in the cost of maintaining traffic.
3. The duration of each MOT phase will be in accordance with the special provision for MOT and the project log.

LEGEND

- 34 Temporary Pavement Marking, Removable, 6 IN. (White)
- 35 Temporary Pavement Marking, Removable, 6 IN. (Yellow)

- 36 Temporary Pavement Marking, Removable, 6 IN., Dotted, (White)
- Construction Clear Zone
- MOT Barrels with 50' spacing
- Traffic Flow Arrow

- Type III Barricade
- Temporary Concrete Jersey Barrier
- Building Demolition

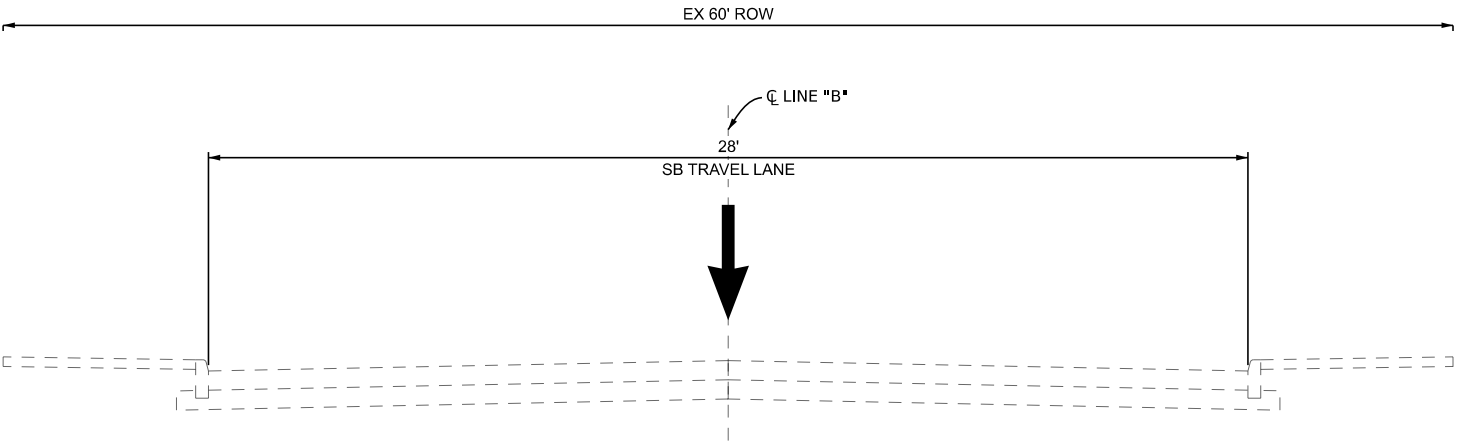
**INFRASTRUCTURE
ENGINEERING** OF MICHIGAN, LLC
3031 W. Grand Blvd| Suite 530 | Detroit, MI 48202
P 313.243.9800 | F 313.243.9100 | www.infrastructure-eng.com

RECOMMENDED FOR APPROVAL _____	
DESIGN ENGINEER _____	DATE _____
DESIGNED: MA _____ 5/06/25	DRAWN: MA _____ 5/06/25
CHECKED: _____	CHECKED: BR _____ 5/06/25

NORTHWEST INDIANA REGIONAL
DEVELOPMENT AUTHORITY

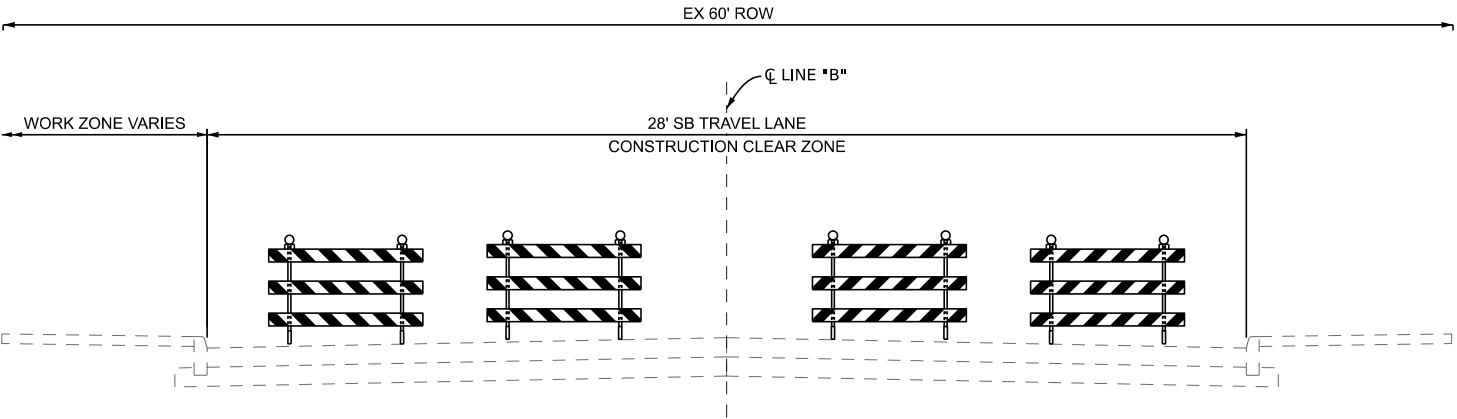
MOT 540 TYLER ST TYPICALS
GARY BLIGHT ELIMINATION PROGRAM

HORIZONTAL SCALE	BRIDGE FILE
N/A	N/A
VERTICAL SCALE	DESIGNATION
N/A	N/A
SURVEY BOOK	SHEETS
TBD	2 of 11
CONTRACT	PROJECT
N/A	GARY INDIANA MOT ROUTES



EXISTING TYLER ST NORMAL SECTION

SECTION APPLIES TO:
W 6TH AVE TO ALLEY SOUTH OF EB US-20



TYLER ST MOT PHASE 1

SECTION APPLIES TO:
W 6TH AVE TO ALLEY SOUTH OF EB US-20

NOTES:

1. All signs, barricades, and pavement markings shall conform to the latest edition of the Indiana Manual on Uniform Traffic Control Devices for Streets and Highways, INDOT Standard Drawings, and any currently supplements thereto.
2. The duration of each MOT phase will be in accordance with the special provisions for MOT and project log.

LEGEND

- ③④ Temporary Pavement Marking, Removable, 6 IN. (White)
- ③⑤ Temporary Pavement Marking, Removable, 6 IN. (Yellow)

- ③⑥ Temporary Pavement Marking, Removable, 6 IN., Dotted, (White)
- Construction Clear Zone
- MOT Barrels with 50' spacing
- Traffic Flow Arrow

- Type III Barricade
- Temporary Concrete Jersey Barrier
- Building Demolition

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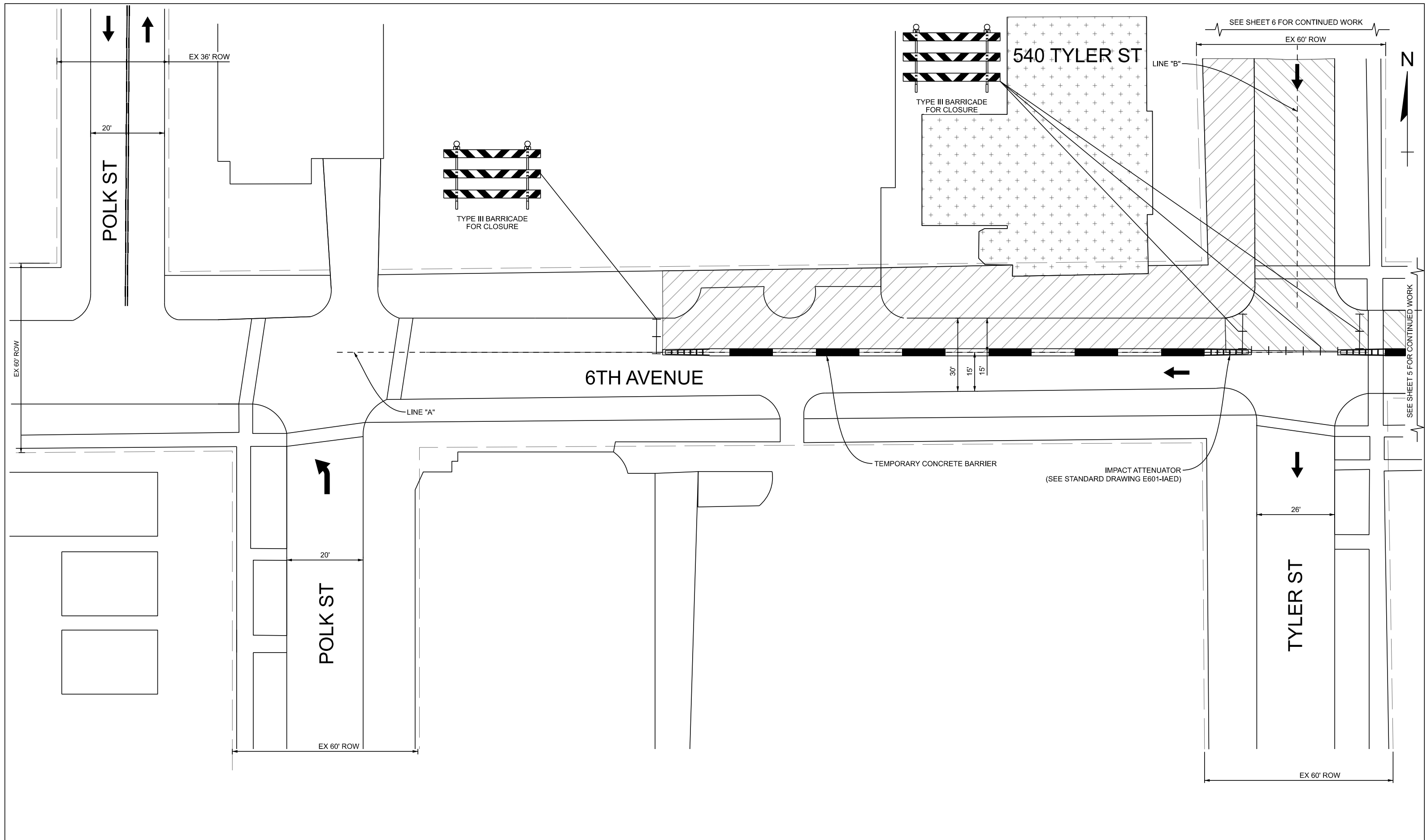
3031 W. Grand Blvd| Suite 530 | Detroit, MI 48202
P 313.243.9800 | F 313.243.9100 | www.infrastructure-eng.com

RECOMMENDED FOR APPROVAL _____		DESIGN ENGINEER _____		DATE _____	
DESIGNED: MA _____		5/06/25		DRAWN: MA _____	
5/06/25		5/06/25			
CHECKED: _____		CHECKED: BR _____		5/06/25	

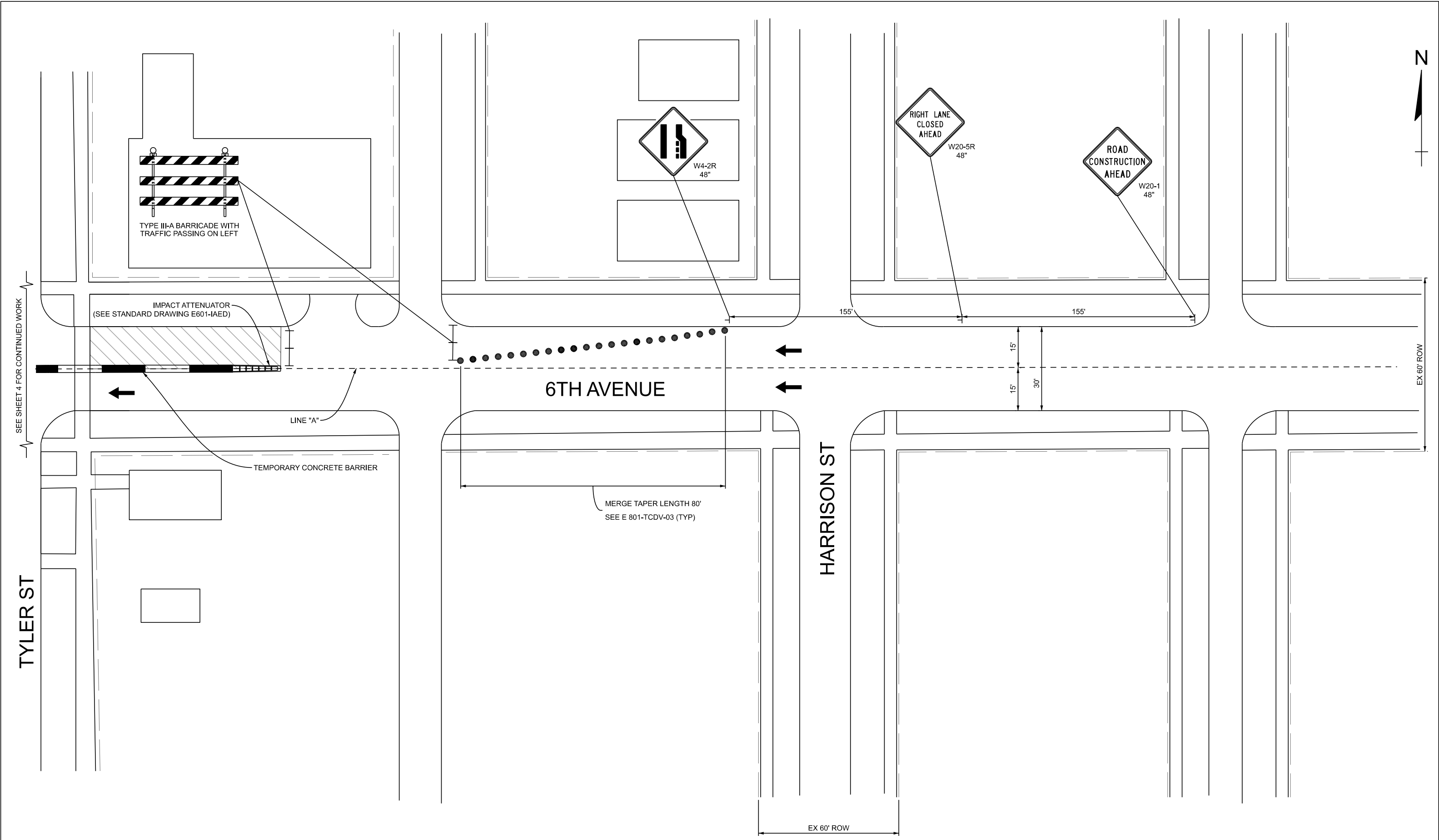
NORTHWEST INDIANA REGIONAL
DEVELOPMENT AUTHORITY

MOT 540 TYLER ST TYPICALS
GARY BLIGHT ELIMINATION PROGRAM

HORIZONTAL SCALE		BRIDGE FILE	
N/A		N/A	
VERTICAL SCALE		DESIGNATION	
N/A		N/A	
SURVEY BOOK		SHEETS	
TBD		3	of 11
CONTRACT		PROJECT	
N/A		GARY INDIANA MOT ROUTES	



LEGEND 34 Temporary Pavement Marking, Removable, 4 IN. (White) 35 Temporary Pavement Marking, Removable, 4 IN. (Yellow) 36 Temporary Pavement Marking, Removable, 4 IN., Dotted, (White) Construction Clear Zone MOT Barrels with 50' spacing Traffic Flow Arrow Type III Barricade Temporary Concrete Jersey Barrier Building Demolition			INFRASTRUCTURE ENGINEERING OF MICHIGAN, LLC 3031 W. Grand Blvd Suite 530 Detroit, MI 48202 P 313.243.9800 F 313.243.9100 www.infrastructure-eng.com	RECOMMENDED FOR APPROVAL DESIGN ENGINEER DATE DESIGNED: RVE 5/06/25 DRAWN: RVE 5/06/25 CHECKED: BR 5/06/25 CHECKED: BR 5/06/25	NORTHWEST INDIANA REGIONAL DEVELOPMENT AUTHORITY MOT 540 TYLER ST, STAGING SHEET PHASE 1 GARY BLIGHT ELIMINATION PROGRAM	HORIZONTAL SCALE N/A VERTICAL SCALE N/A SURVEY BOOK TBD CONTRACT N/A BRIDGE FILE N/A DESIGNATION N/A SHEETS 4 of 11 PROJECT GARY INDIANA MOT ROUTES
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LEGEND

③4 Temporary Pavement Marking, Removable, 4 IN. (White)

③5 Temporary Pavement Marking, Removable, 4 IN. (Yellow)

③6 Temporary Pavement Marking, Removable, 4 IN., Dotted, (White)

Construction Clear Zone

MOT Barrels with 50' spacing

Traffic Flow Arrow

Type III Barricade

Temporary Concrete Jersey Barrier

Building Demolition

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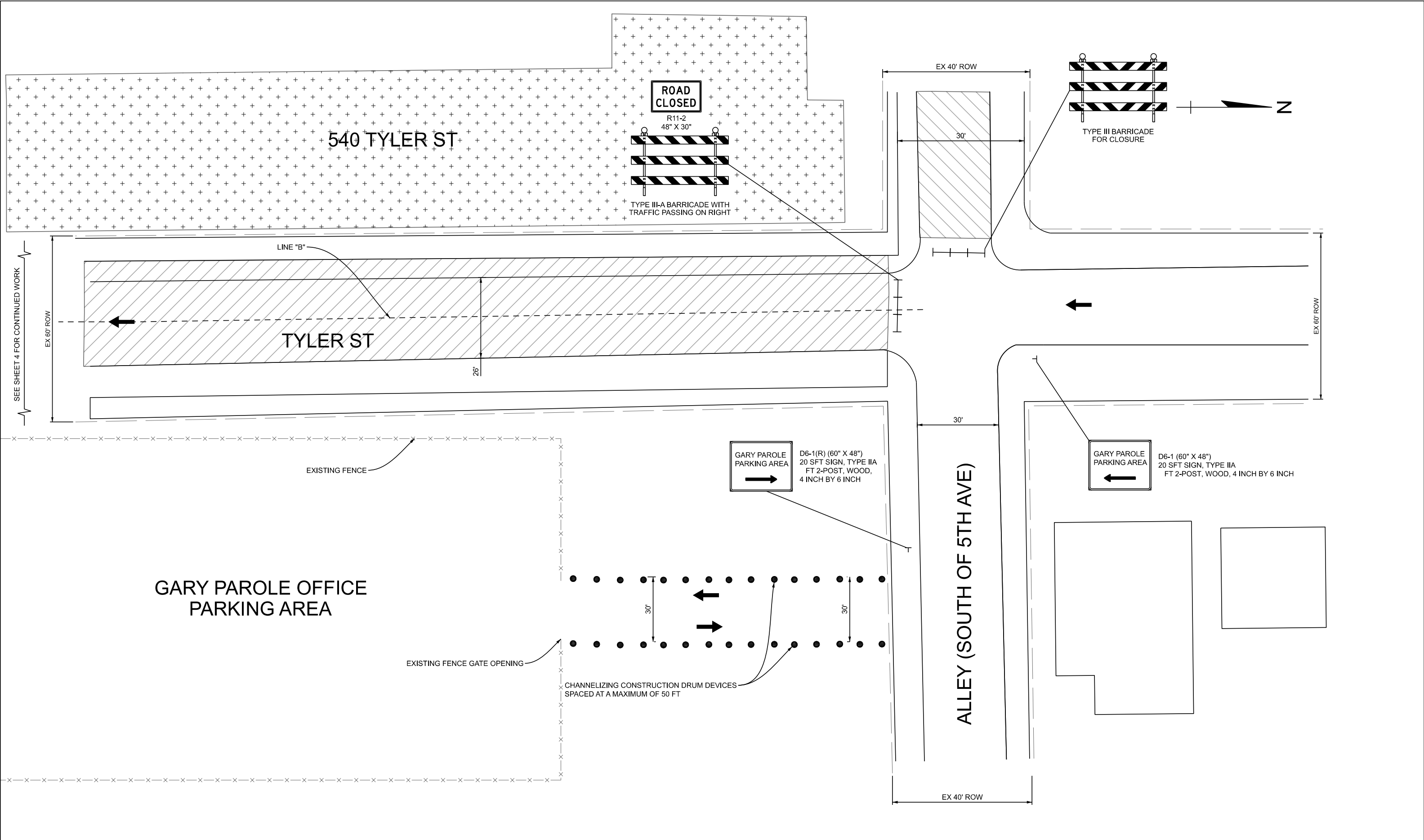
RECOMMENDED FOR APPROVAL _____		DESIGN ENGINEER _____	DATE _____
DESIGNED: RVE _____	5/06/25	DRAWN: RVE _____	5/06/25
CHECKED: _____		CHECKED: BR _____	5/06/25

NORTHWEST INDIANA REGIONAL DEVELOPMENT AUTHORITY

MOT 540 TYLER ST, STAGING SHEET PHASE 1

GARY BLIGHT ELIMINATION PROGRAM

HORIZONTAL SCALE	BRIDGE FILE
N/A	N/A
VERTICAL SCALE	DESIGNATION
N/A	N/A
SURVEY BOOK	SHEETS
TBD	5 of 11
CONTRACT	PROJECT
N/A	GARY INDIANA MOT ROUTES



LEGEND

- ③4 Temporary Pavement Marking, Removable, 4 IN. (White)
- ③5 Temporary Pavement Marking, Removable, 4 IN. (Yellow)

- ③6 Temporary Pavement Marking, Removable, 4 IN., Dotted, (White)
- Construction Clear Zone
- MOT Barrels with 50' spacing
- Traffic Flow Arrow

Type III Barricade

Temporary Concrete Jersey Barrier

Building Demolition



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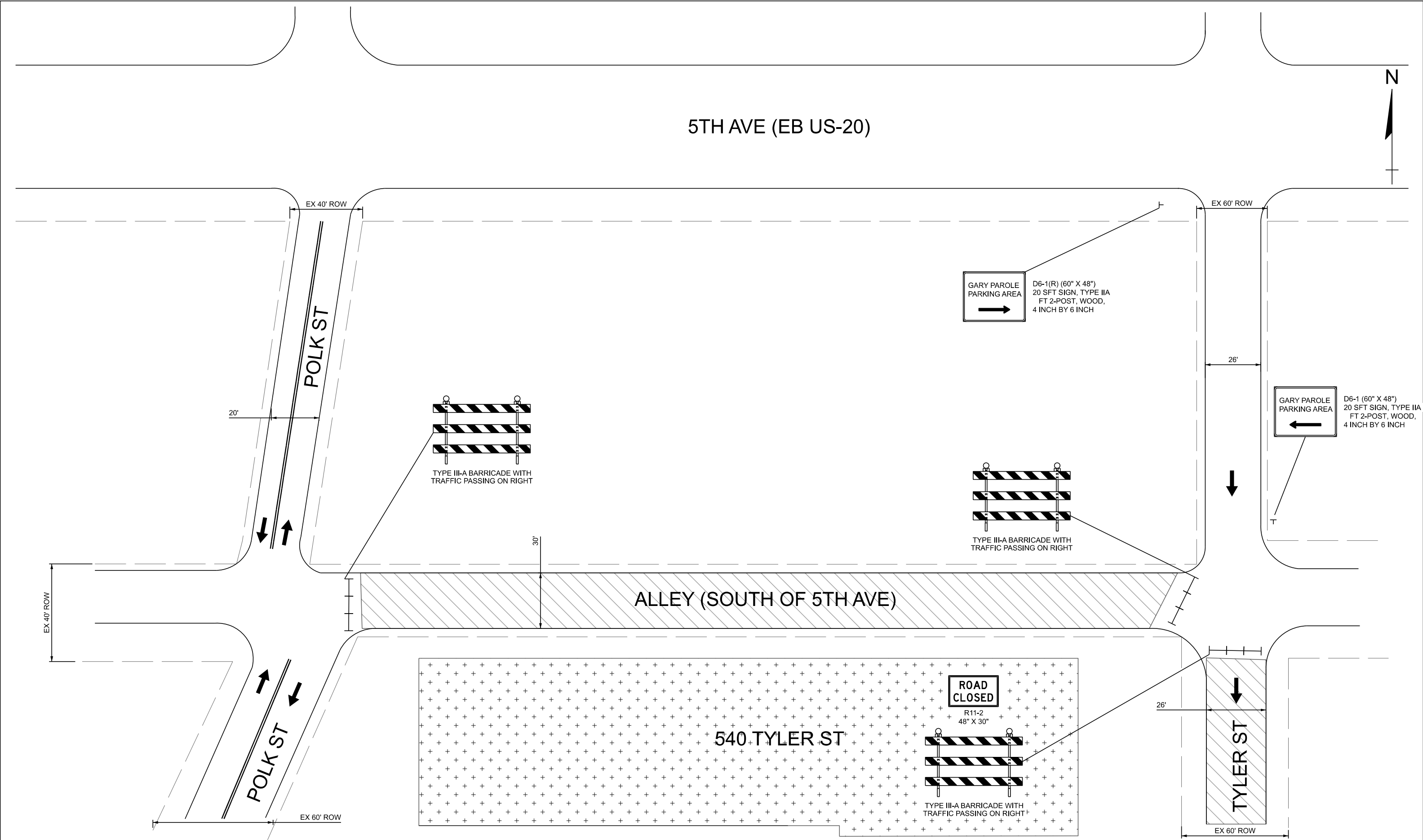
DESIGNED: RVE 5/06/25 DRAWN: RVE 5/06/25

CHECKED: _____ CHECKED: BR 5/06/25

NORTHWEST INDIANA REGIONAL
DEVELOPMENT AUTHORITY

MOT 540 TYLER ST, STAGING SHEET PHASE 1
GARY BLIGHT ELIMINATION PROGRAM

HORIZONTAL SCALE	BRIDGE FILE
N/A	N/A
VERTICAL SCALE	DESIGNATION
N/A	N/A
SURVEY BOOK	SHEETS
TBD	6 of 11
CONTRACT	PROJECT
N/A	GARY INDIANA MOT ROUTES



LEGEND

34

Temporary Pavement Marking, Removable, 4 IN. (White)

35

Temporary Pavement Marking, Removable, 4 IN. (Yellow)

36

Temporary Pavement Marking, Removable, 4 IN., Dotted, (White)

Construction Clear Zone

MOT Barrels with 50' spacing

Traffic Flow Arrow

Type III Barricade

Temporary Concrete Jersey Barrier

Building Demolition

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RECOMMENDED FOR APPROVAL

DESIGNED: RVE 5/06/25

CHECKED:

DESIGN ENGINEER

DRAWN: RVE 5/06/25

CHECKED: BR 5/06/25

DATE

NORTHWEST INDIANA REGIONAL DEVELOPMENT AUTHORITY

MOT 540 TYLER ST, STAGING SHEET PHASE 1
GARY BLIGHT ELIMINATION PROGRAM

HORIZONTAL SCALE
N/A

VERTICAL SCALE
N/A

SURVEY BOOK
TBD

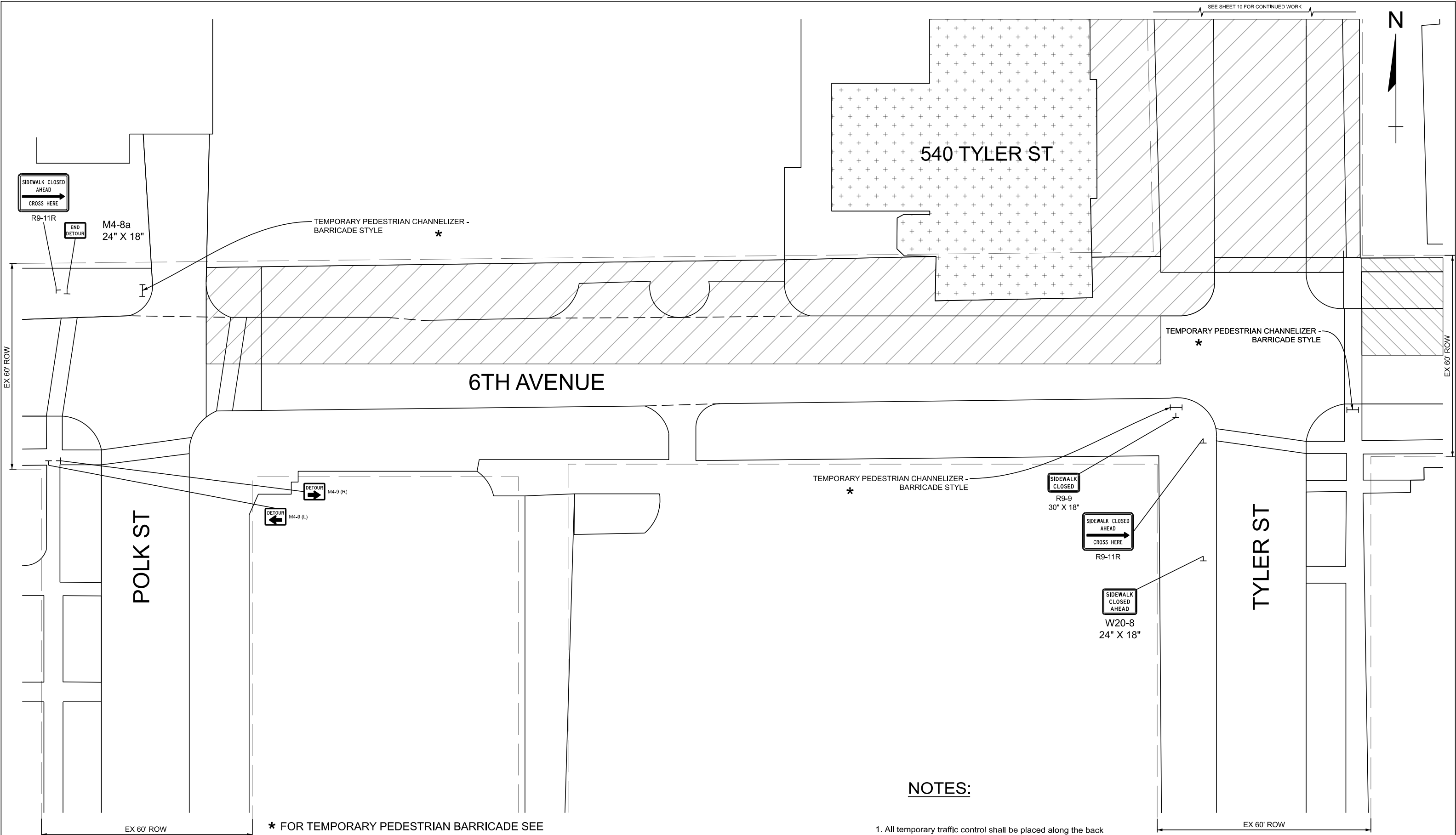
CONTRACT
N/A

BRIDGE FILE
N/A

DESIGNATION
N/A

SHEETS
7 of 11

PROJECT
GARY INDIANA MOT ROUTES



* FOR TEMPORARY PEDESTRIAN BARRICADE SEE STANDARD DRAWING NO. E 801-TPAR-11

NOTES:

1. All temporary traffic control shall be placed along the back of sidewalk, clear of sidewalk travel areas.

LEGEND

34

Temporary Pavement Marking, Removable, 6 IN. (White)

35

Temporary Pavement Marking, Removable, 6 IN. (Yellow)

36

Temporary Pavement Marking, Removable, 6 IN., Dotted, (White)

Construction Clear Zone

Temporary Concrete Jersey Barrier

MOT Barrels with 50' spacing

Traffic Flow Arrow

Type III Barricade

Building Demolition

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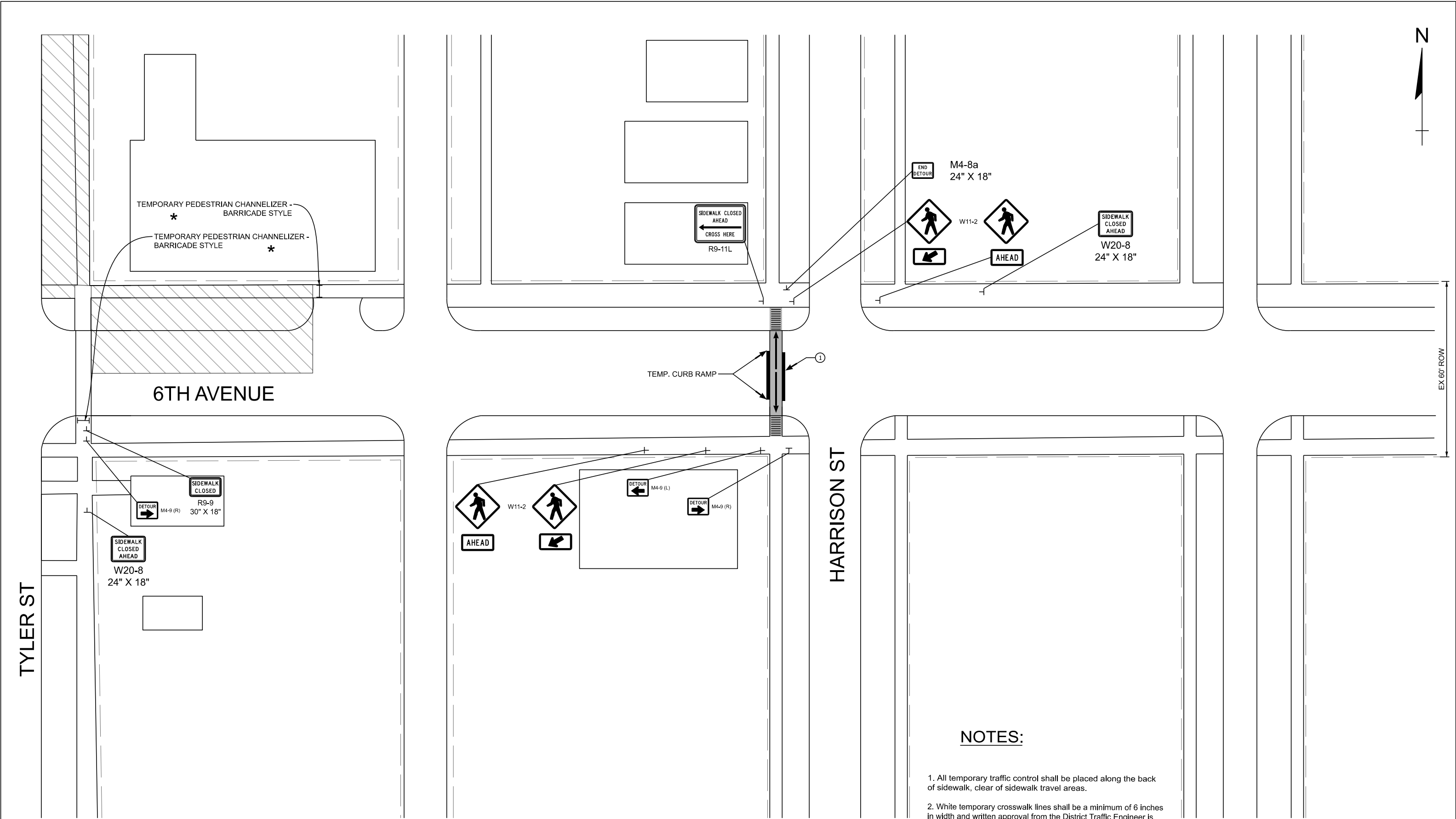
RECOMMENDED FOR APPROVAL _____		DESIGN ENGINEER _____		DATE _____	
DESIGNED: MA _____ 5/06/25		DRAWN: MA _____ 5/06/25			
CHECKED: _____		CHECKED: BR _____ 5/06/25			

NORTHWEST INDIANA REGIONAL DEVELOPMENT AUTHORITY

MOT 540 TYLER, PEDESTRIAN STAGING SHEET PHASE 1

GARY BLIGHT ELIMINATION PROGRAM

HORIZONTAL SCALE		BRIDGE FILE	
N/A		N/A	
VERTICAL SCALE		DESIGNATION	
N/A		N/A	
SURVEY BOOK		SHEETS	
TBD		8	of 11
CONTRACT		PROJECT	
N/A		GARY INDIANA MOT ROUTES	



* FOR TEMPORARY PEDESTRIAN BARRICADE SEE STANDARD DRAWING NO. E 801-TPAR-11

NOTES:

- 1. All temporary traffic control shall be placed along the back of sidewalk, clear of sidewalk travel areas.
- 2. White temporary crosswalk lines shall be a minimum of 6 inches in width and written approval from the District Traffic Engineer is required prior to placing the crosswalk lines and W11-2 and W16-7P sign assemblies.

LEGEND

34

Temporary Pavement Marking, Removable, 4 IN. (White)

35

Temporary Pavement Marking, Removable, 4 IN. (Yellow)

36

Temporary Pavement Marking, Removable, 4 IN., Dotted, (White)

Construction Clear Zone

MOT Barrels with 50' spacing

Traffic Flow Arrow

Type III Barricade

Temporary Concrete Jersey Barrier

Building Demolition

INFRASTRUCTURE ENGINEERING

3031 W. Grand Blvd| Suite 530 | Detroit, MI 48202

P 313.245.8800 | F 313.245.9100 | www.infrastructureeng.com

RECOMMENDED FOR APPROVAL

DESIGN ENGINEER

DATE

DESIGNED: MA

5/06/25

DRAWN: MA

5/06/25

CHECKED:

CHECKED: BR

5/06/25

NORTHWEST INDIANA REGIONAL DEVELOPMENT AUTHORITY

MOT 540 TYLER, PEDESTRIAN STAGING SHEET PHASE 1

GARY BLIGHT ELIMINATION PROGRAM

HORIZONTAL SCALE

N/A

VERTICAL SCALE

N/A

SURVEY BOOK

TBD

CONTRACT

N/A

BRIDGE FILE

N/A

DESIGNATION

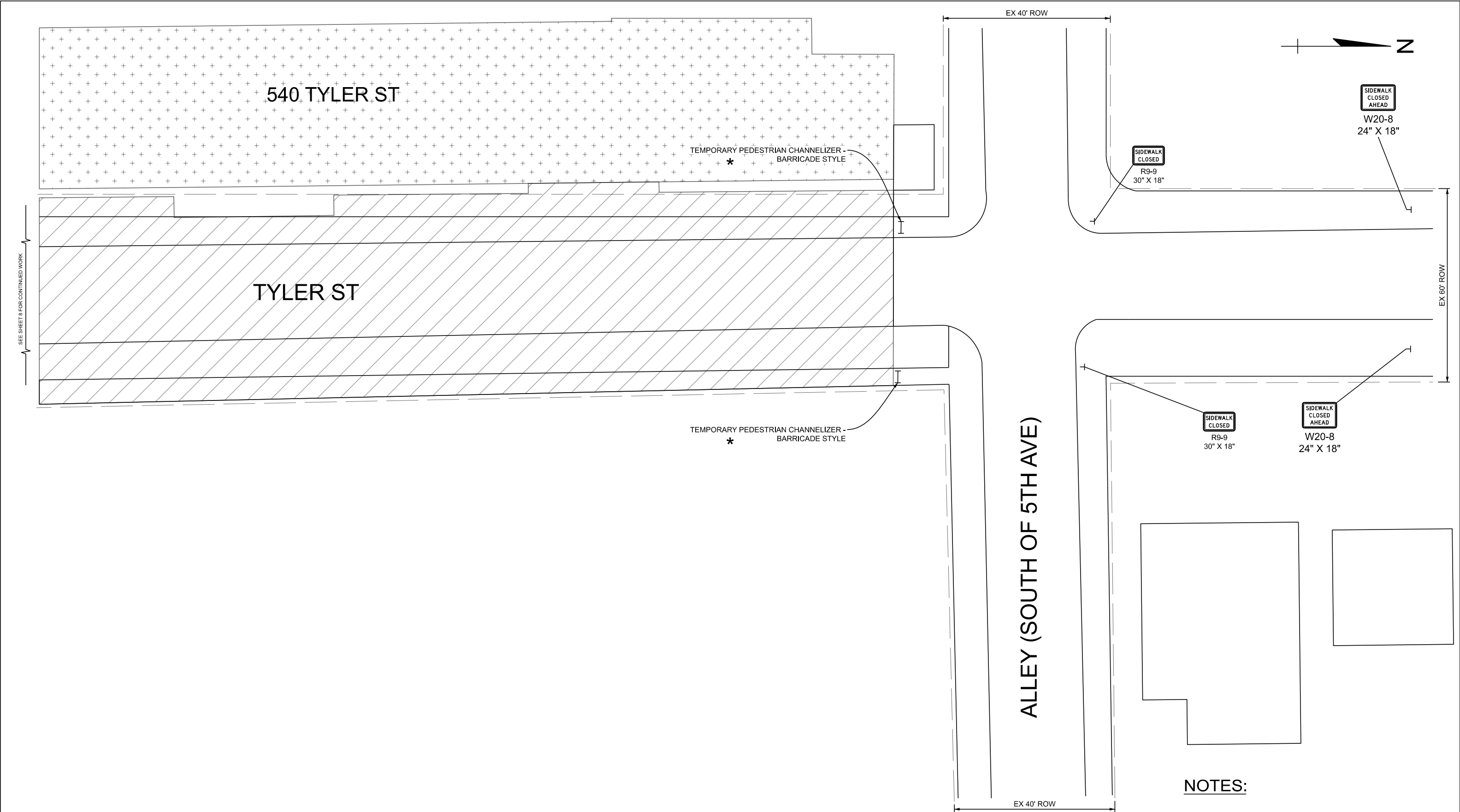
N/A

SHEETS

9 of 11

PROJECT

GARY INDIANA MOT ROUTES



* FOR TEMPORARY PEDESTRIAN BARRICADE SEE STANDARD DRAWING NO. E 801-TPAR-11

1. All temporary traffic control shall be placed along the back of sidewalk, clear of sidewalk travel areas.

LEGEND

Temporary Pavement Marking, Removable, 6 IN. (White)

Temporary Pavement Marking, Removable, 6 IN. (Yellow)

36 Temporary Pavement Marking, Removable, 6 IN., Dotted, (White)

Construction Clear Zone

MOT Barrels with 50' spacing

Traffic Flow Arrow

Type III Barricade

Temporary Concrete Jersey Barrier

Building Demolition

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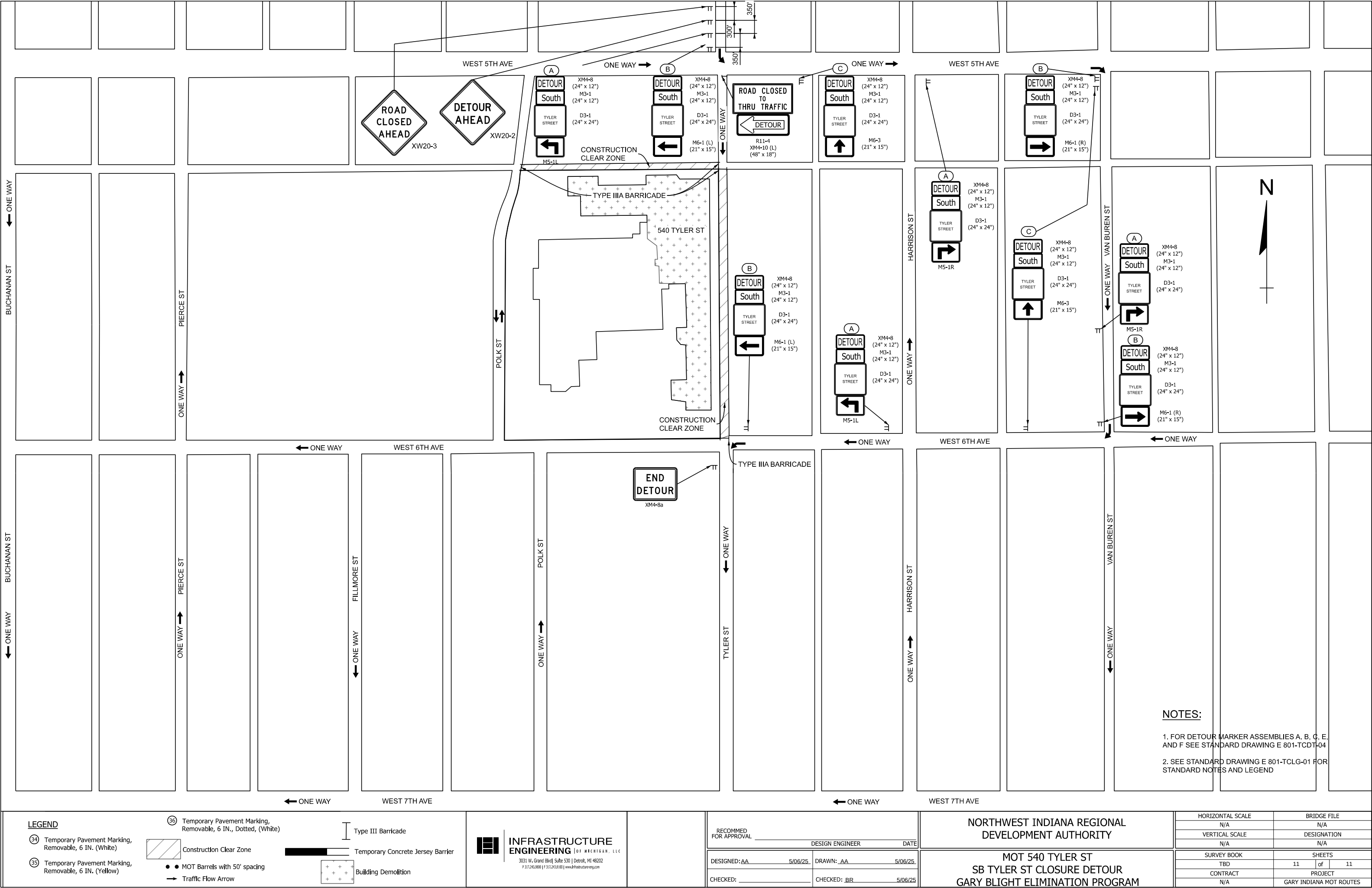
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: MA	5/06/25	DRAWN: MA
5/06/25		5/06/25
CHECKED:	BR	5/06/25

NORTHWEST INDIANA REGIONAL DEVELOPMENT AUTHORITY

MOT 540 TYLER, PEDESTRIAN STAGING SHEET PHASE 1

GARY BLIGHT ELIMINATION PROGRAM

HORIZONTAL SCALE	BRIDGE FILE
N/A	N/A
VERTICAL SCALE	DESIGNATION
N/A	N/A
SURVEY BOOK	SHEETS
TBD	10 of 11
CONTRACT	PROJECT
N/A	GARY INDIANA MOT ROUTES



NOTES:

1. FOR DETOUR MARKER ASSEMBLIES A, B, C, E, AND F SEE STANDARD DRAWING E 801-TCDT-04

2. SEE STANDARD DRAWING E 801-TCLG-01 FOR STANDARD NOTES AND LEGEND

LEGEND

34 Temporary Pavement Marking, Removable, 6 IN. (White)

35 Temporary Pavement Marking, Removable, 6 IN. (Yellow)

36 Temporary Pavement Marking, Removable, 6 IN., Dotted, (White)

MOT Barrels with 50' spacing

Traffic Flow Arrow

Construction Clear Zone

Type III Barricade

Temporary Concrete Jersey Barrier

Building Demolition

INFRASTRUCTURE ENGINEERING OF MICHIGAN, LLC

3031 W. Grand Blvd| Suite 530 | Detroit, MI 48202

F 313.245.8800 | F 313.245.0100 | www.infrastructure-eng.com

RECOMMENDED FOR APPROVAL _____		DESIGN ENGINEER _____	DATE _____
DESIGNED: AA _____	5/06/25	DRAWN: AA _____	5/06/25
CHECKED: _____		CHECKED: BR _____	5/06/25

NORTHWEST INDIANA REGIONAL DEVELOPMENT AUTHORITY

MOT 540 TYLER ST

SB TYLER ST CLOSURE DETOUR

GARY BLIGHT ELIMINATION PROGRAM

HORIZONTAL SCALE	N/A		BRIDGE FILE	N/A	
VERTICAL SCALE	N/A		DESIGNATION	N/A	
SURVEY BOOK	TBD		SHEETS	11	of 11
CONTRACT	N/A		PROJECT	GARY INDIANA MOT ROUTES	

GENERAL NOTES:

- Distances shown are typical except minimum distances may be varied based on field conditions.
- The spacing of channelizing devices shall be 100 ft where the posted speed limit is 50 m.p.h. or greater.
- The spacing of channelizing devices shall be 50 ft where the posted speed limit is less than or equal to 45 m.p.h.
- The spacing of channelizing devices on tapers shall be numerically equal in feet to the posted speed limit in m.p.h.
- The flashing arrow sign shall not be placed on a sidewalk. The flashing arrow sign shall be placed at a distance of L/3 from the beginning of the taper, where L is the merge taper, see Standard Drawing E 801-TCOV-03.
- For temporary lane closures during daylight hours, cones or tubular markers may be used in lieu of drums.
- Temporary pavement markings shall not be required for temporary daylight lane closures.
- Temporary highway illumination, when specified, shall be as detailed on the plans.

- Once the crossovers have been removed, this line shall be restriped yellow if the pavement is to be used for one-way traffic.
- For Temporary Crossover Type B, this line shall be removed when the traffic pattern is switched.
- The advisory speed plate will not be required when the existing posted speed limit is less than 55 mph.
- Spacing of channelizing devices at this location shall be 20 ft.
- The "Two-Way Traffic" (XW6-3B) and "Do Not Pass" (R4-1-B) signs shall alternate every 2640 ft throughout the two-lane two-way operation.
- For a bridge contract, this distance may be adjusted by the Engineer as required. However, it shall be as close to the minimum as possible.
- Once the crossovers have been removed, this line shall be restriped broken white, if the pavement is to be used for one-way traffic.

SURFACE AREA OF ONE TYPE A TEMPORARY CROSSOVER, SYS

MEDIAN WIDTH, ft	TYPE A
60	1208
50	1041
40	880
36	814
30	713
26	648

LEGEND

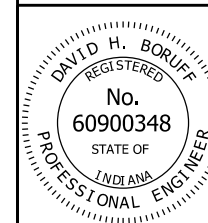
 Flagger	 Temporary Pavement Marking
 Work area	 Removal of pavement markings and prismatic reflectors
 Flashing arrow sign	 Typical Sign Standard (Road Closure Sign Assembly)
 Channelizing device	 Type III-A or Type III-B Barricades as required
 Police car (optional)	 Double Headed Flashing Arrow Sign
 Construction sign and supports	 Direction of Traffic
W = Width of offset	 Low intensity construction warning light, Type A

INDIANA DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL LEGEND AND GENERAL NOTES

SEPTEMBER 2016

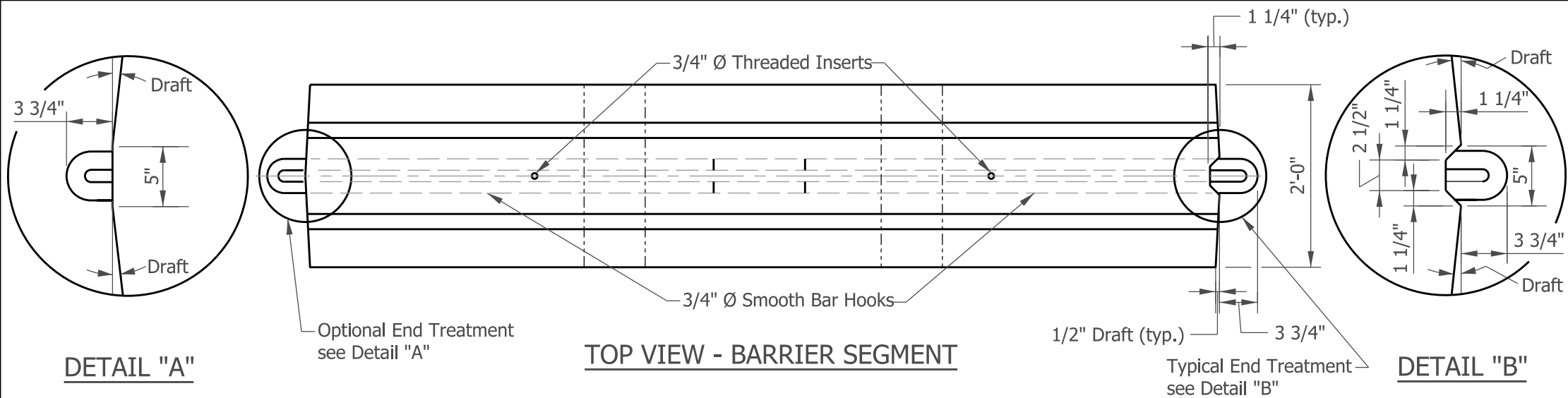
STANDARD DRAWING NO. E 801-TCLG-01



/s/ David H. Boruff	03/02/16
DESIGN STANDARDS ENGINEER	DATE
/s/ Mark A. Miller	03/02/16
CHIEF ENGINEER	DATE

INDEX	
SHEET NO.	SUBJECT
1	Temporary Concrete Barrier Index Sheet
2	Temporary Concrete Barrier Dimensions and Flare Rates
3	Temporary Concrete Barrier Details
4	Temporary Concrete Barrier Double Taper End Section
5	Anchored Temporary Concrete Barrier, Drop-In Anchor
6	Anchored Temporary Concrete Barrier, Ferrule Loop Insert

INDIANA DEPARTMENT OF TRANSPORTATION	
TEMPORARY CONCRETE BARRIER INDEX SHEET	
SEPTEMBER 2019	
STANDARD DRAWING NO. E 801-TCCB-01	
	 DESIGN STANDARDS ENGINEER 5/2/2019 DATE  CHIEF ENGINEER 6/5/2019 DATE



NOTES:

1. For freeways and interstates, the maximum barrier flare rate and construction clear zone distance shall be based on 70 mph for the first run of barrier within the construction zone. For subsequent barrier placement, the barrier flare rates and construction clear zone distance shall be based on 70 mph unless otherwise shown on the plans.
2. The barrier taper flare rate and construction clear zone distance are shown in Table No. 1. Construction clear zone distance is measured from the through travel lane. The barrier taper flare rate shall be as shown or flatter.
3. The dimensions of the lifting slots are subject to adjustment as necessary to accommodate handling equipment.
4. For additional connection details see Standard Drawing E 801-TCCB-03.

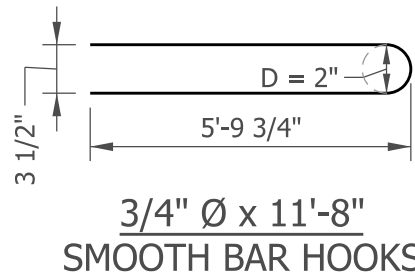
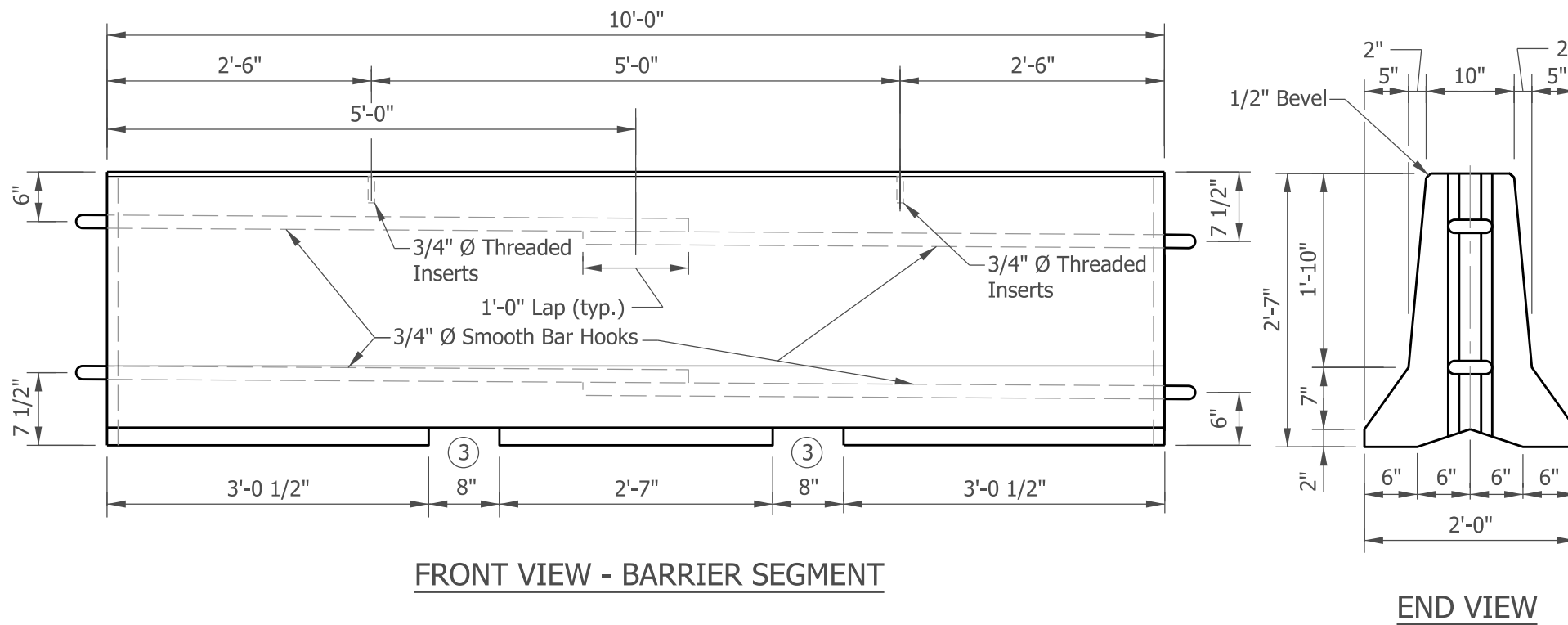


TABLE NO. 1		
Construction Zone Design Speed	Barrier Taper Flare Rate	Construction Clear Zone Distance
70 mph	20:1	30
60 mph	18:1	30
55 mph	16:1	23
50 mph	14:1	16
45 mph	12:1	16
40 mph	10:1	13
≤ 35 mph	10:1	13

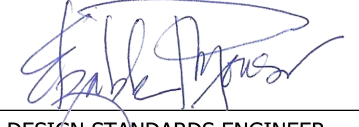
INDIANA DEPARTMENT OF TRANSPORTATION

TEMPORARY CONCRETE BARRIER
DIMENSIONS AND FLARE RATES

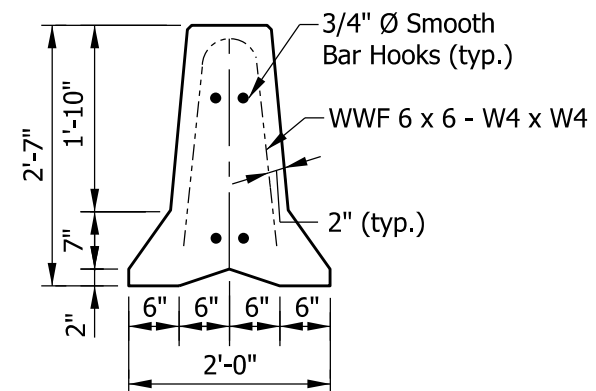
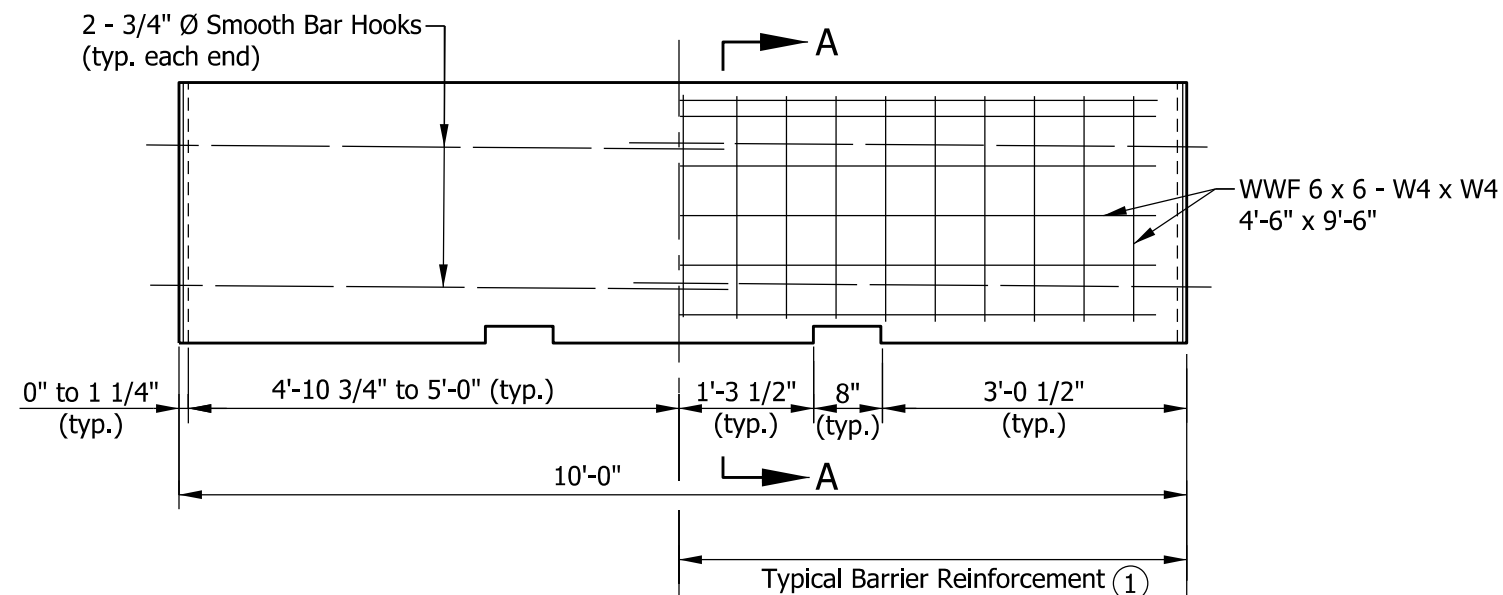
SEPTEMBER 2024

STANDARD DRAWING NO. E 801-TCCB-02

ELIZABETH P. MOUSER
REGISTERED
No.
10200124
STATE OF
INDIANA
PROFESSIONAL ENGINEER

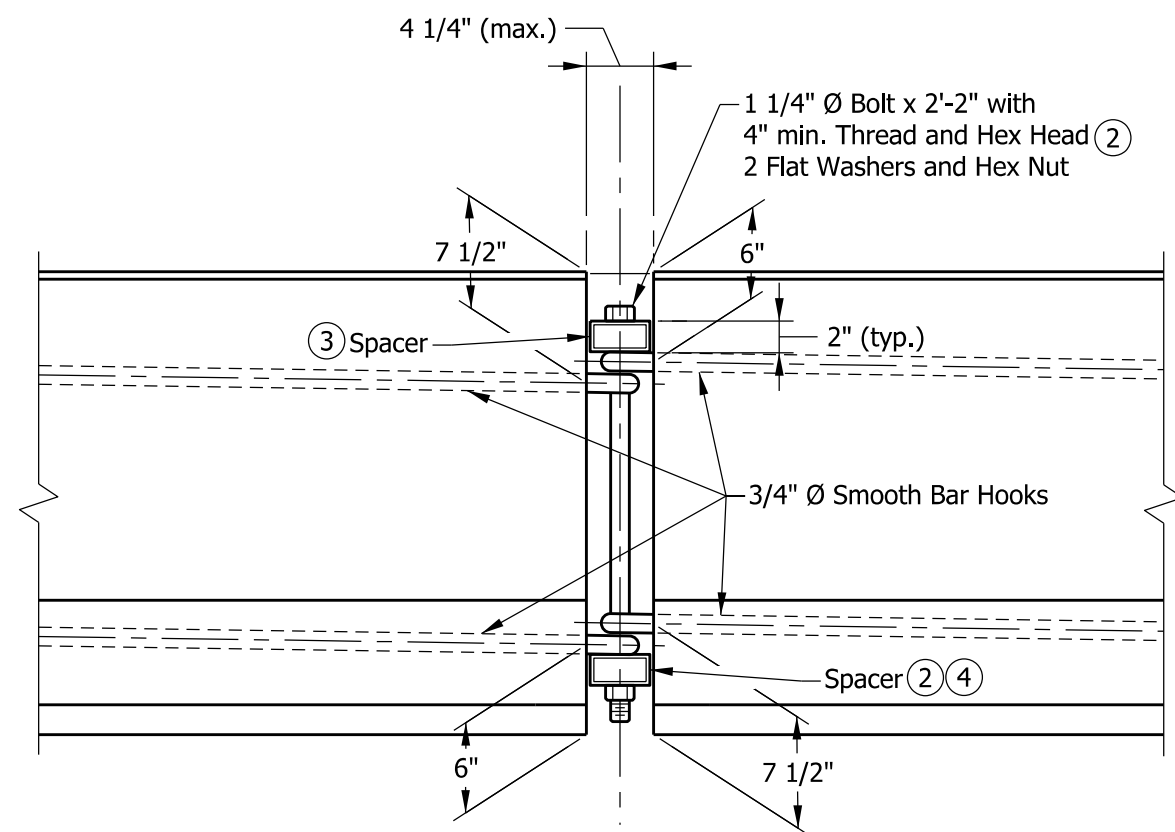

DESIGN STANDARDS ENGINEER
04/09/2024
DATE


CHIEF ENGINEER
04/17/2024
DATE



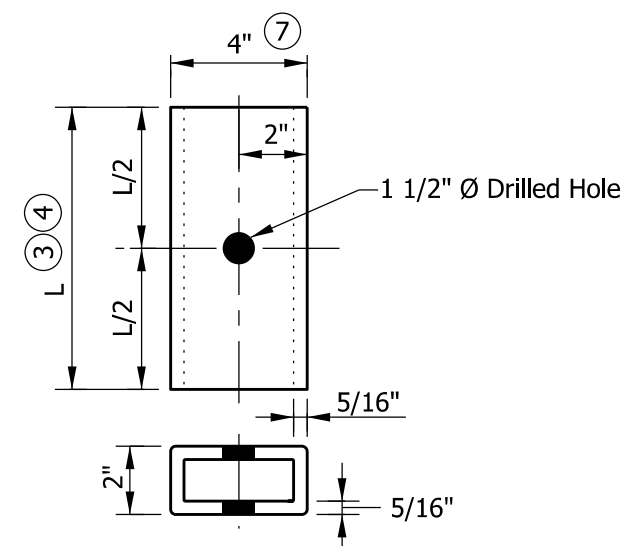
SECTION A-A ①

REINFORCEMENT DETAILS



FRONT VIEW

CONNECTION DETAIL



SPACER DETAIL

NOTES:

- ① Section A-A shows reinforcement with welded wire fabric. The WWF may be bent to the shape of the wall.
- ② Hex nut may be tack welded to bottom spacer to facilitate installation and removal. Bolts shall be torqued only to tight condition. Clearance between the spacer and the ends of the barrier shall allow angular deflection at the joints to allow flare rate 11:1 or flatter.
- ③ Top spacer TS 4" x 2" x 5/16" x 10" long.
- ④ Bottom spacer TS 4" x 2" x 5/16" x 1'-4" long.
5. Where necessary to meet short radius curving alignment, the shorter top spacer (10") may be substituted for the standard bottom spacer (16").
6. For additional connection details see Standard Drawing E 801-TCCB-02.
- ⑦ Where very short radius curving alignment is encountered, spacers may be TS 3" x 2" x 1/4" x the appropriate length as shown above.
8. In lieu of the connection detail shown, the J-J Hook temporary barrier connection of Easi-Set Industries as described in FHWA eligibility letter B-52 of March 26, 1999 may be used.

INDIANA DEPARTMENT OF TRANSPORTATION

TEMPORARY CONCRETE BARRIER
DETAILS

SEPTEMBER 2019

STANDARD DRAWING NO. E 801-TCCB-03



Elizabeth W. Phillips

5/2/2019

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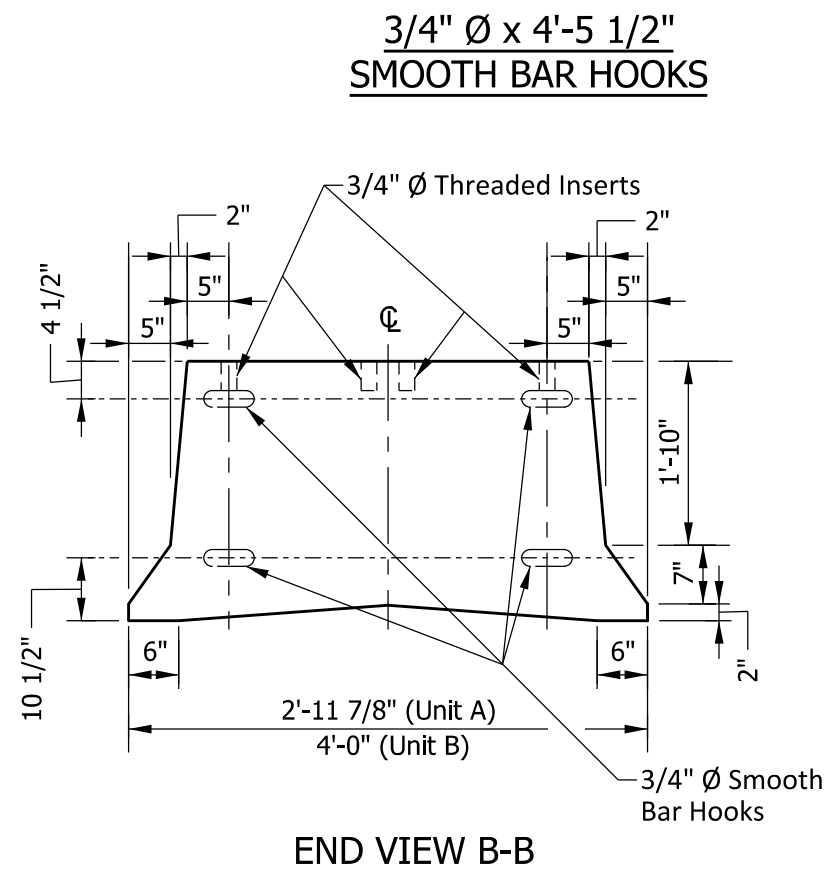
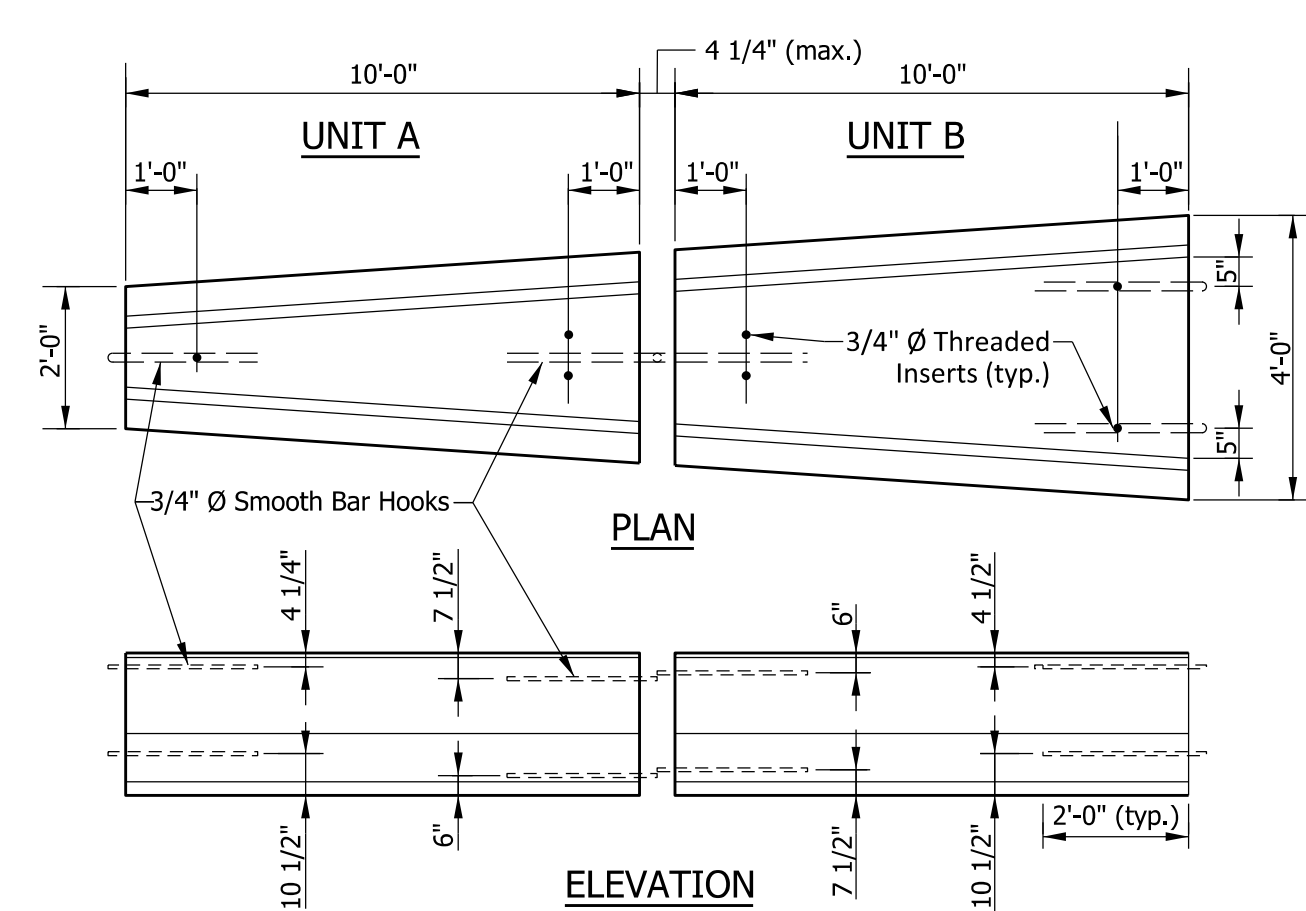
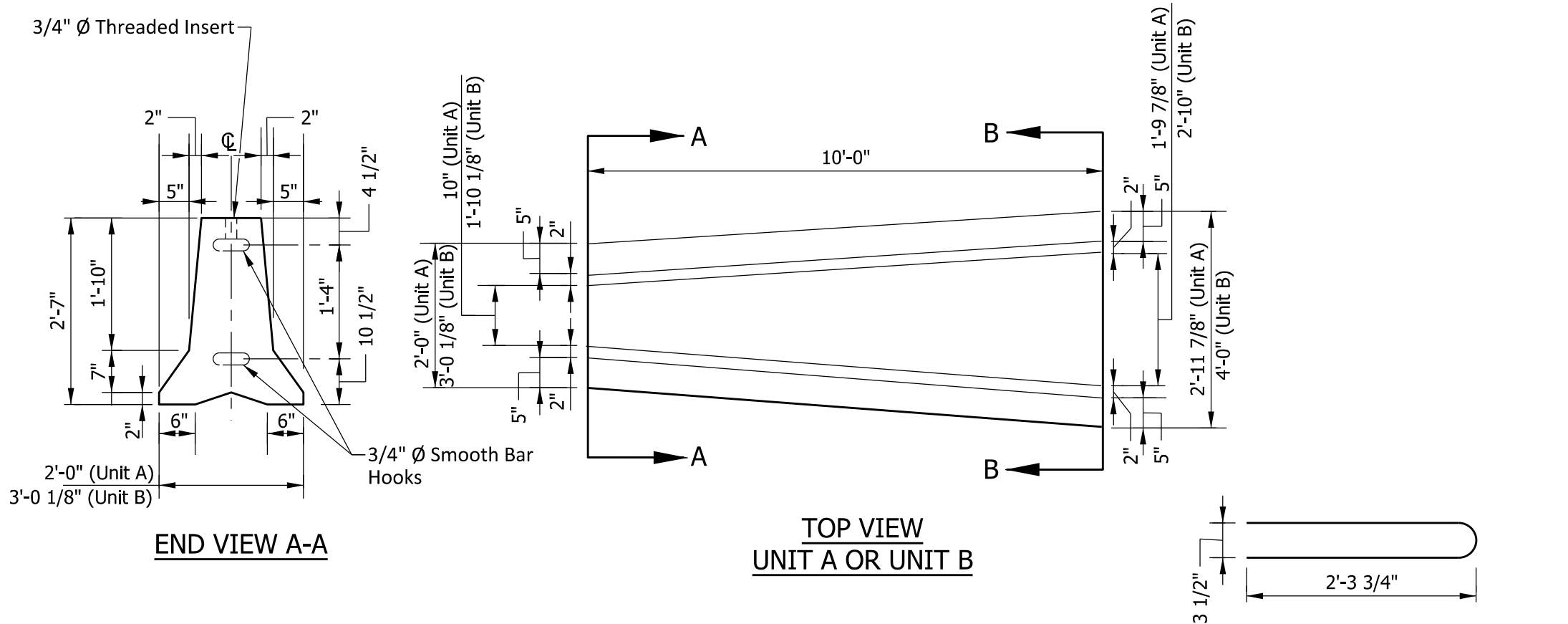
DATE

David J. Phillips

6/5/2019

CHIEF ENGINEER

DATE



NOTES:

- For connection details between Units A and B, see Standard Drawing E 801-TCCB-03.
- Extreme ends of the double taper end section assembly require a 1 1/4" Ø bolt x 2'-3 1/2" (4" min. thread, hex head and hex nut) for connecting to adjacent temporary concrete barriers.

INDIANA DEPARTMENT OF TRANSPORTATION

TEMPORARY CONCRETE BARRIER
DOUBLE TAPER END SECTION

SEPTEMBER 2019

STANDARD DRAWING NO. E 801-TCCB-04



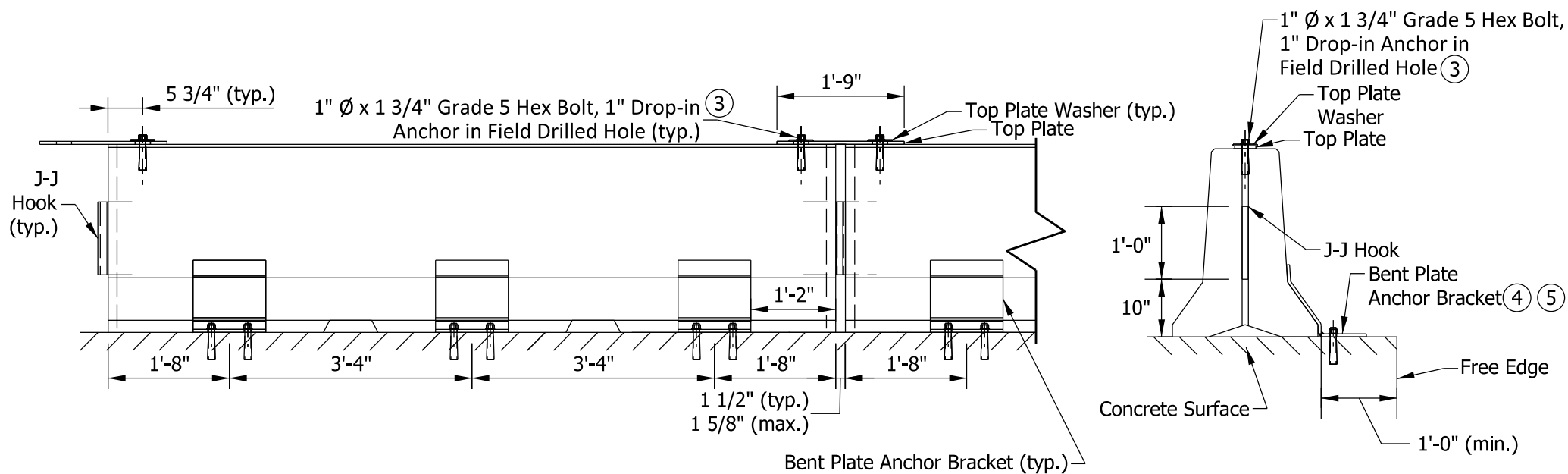
Elizabeth W. Phillips
DESIGN STANDARDS ENGINEER

5/2/2019
DATE

[Signature]
CHIEF ENGINEER

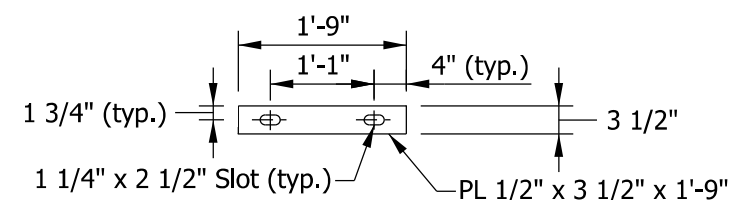
6/5/2019
DATE

DOUBLE TAPER END SECTION ASSEMBLY
(Showing location of inserts and bar hooks)

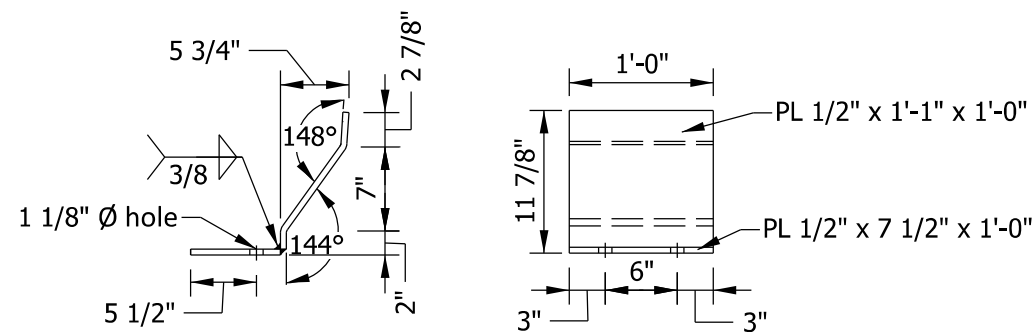


BARRIER FRONT VIEW

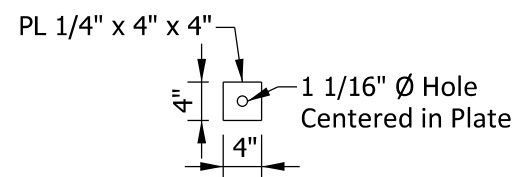
END VIEW



TOP PLATE DETAIL



BENT PLATE ANCHOR BRACKET DETAIL (6)



TOP PLATE WASHER DETAIL

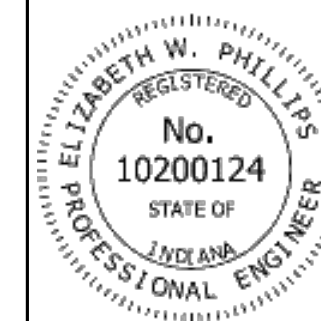
NOTES:

- All steel shall be ASTM A-36 hot rolled unless otherwise noted.
- J-J Hooks are a product of Easi-Set Worldwide. Hooks shall be cast into the barrier in accordance with the manufacturer's recommendations.
- The drop-in anchor and bolt shall be tightened to the anchor manufacturer's specifications. The anchor shall have a minimum ultimate shear capacity of 26.4 kips.
- Bent plate anchor bracket shall be attached to a concrete surface using one of the following anchor systems. Minimum embedment shall be in accordance with the manufacturer's recommendations, but not less than 4 1/2 in.
 - 1-in. threaded rod, grade 55 minimum, with washer and nut. Rod shall be installed using an approved epoxy chemical anchor system with a minimum ultimate shear capacity of 21.2 kips; or
 - 1-in. diameter wedge anchor; or
 - 1-in. nominal diameter drop-in anchor with 1-in. diameter, grade 5 hex bolt.
- When concrete will remain in place after anchoring is removed, the threaded rod anchoring system shall be used. The rod shall be completely removed, the hole shall be blown out to remove any moisture or debris, and the hole completely filled using the same epoxy that was used for anchoring the rod.
- A single bent plate anchor bracket may be used instead of the two-plate detail as shown.

INDIANA DEPARTMENT OF TRANSPORTATION

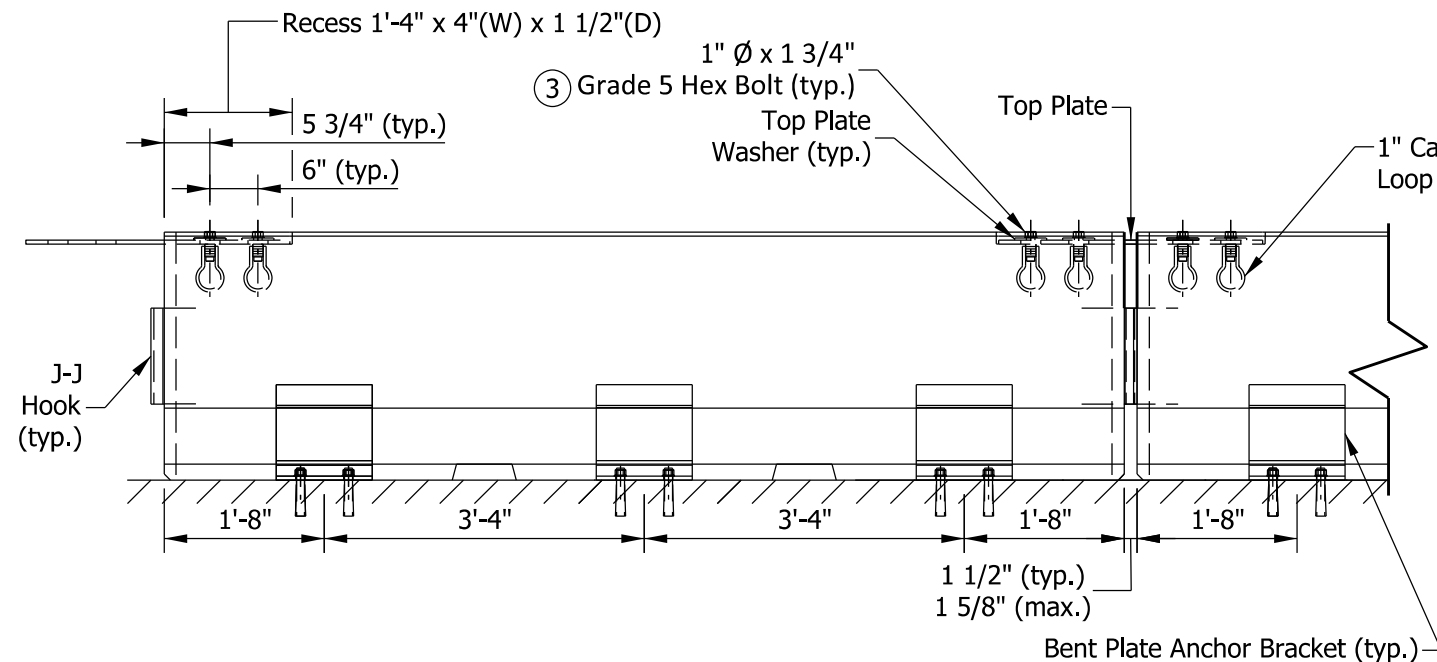
**ANCHORED TEMPORARY
CONCRETE BARRIER,
DROP-IN ANCHOR
SEPTEMBER 2019**

STANDARD DRAWING NO. E 801-TCCB-05

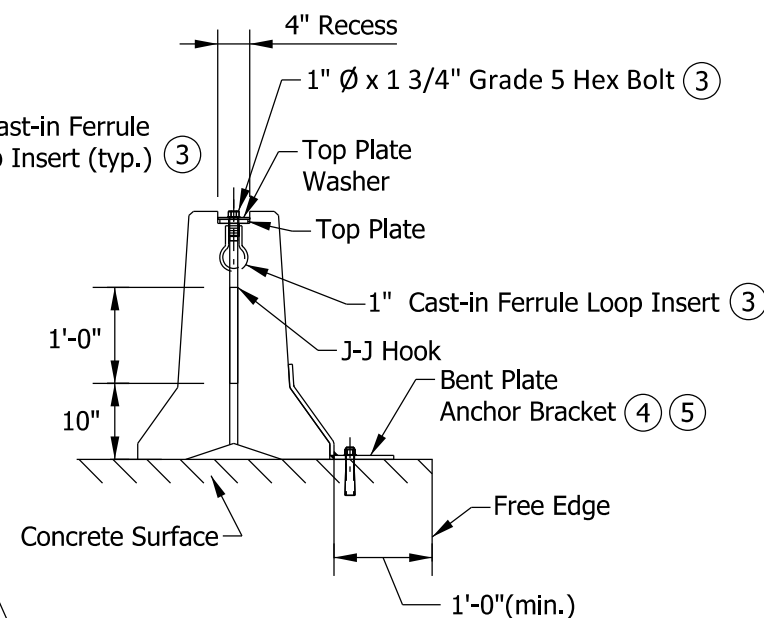


Elizabeth W. Phillips 5/29/2019
DESIGN STANDARDS ENGINEER DATE

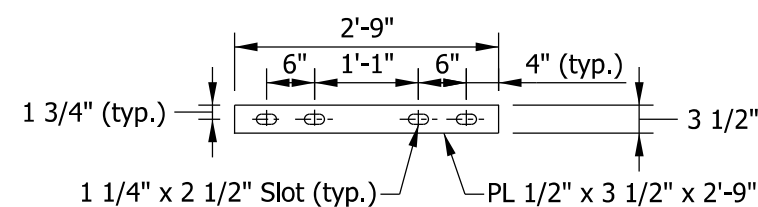
[Signature] 6/5/2019
CHIEF ENGINEER DATE



BARRIER FRONT VIEW



END VIEW



TOP PLATE DETAIL

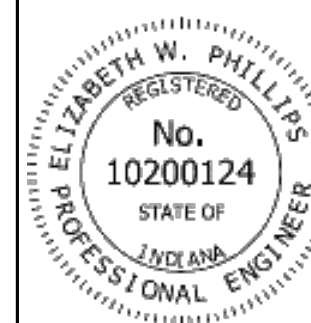
NOTES:

- All steel shall be ASTM A-36 hot rolled unless otherwise noted.
- J-J Hooks are a product of Easi-Set Worldwide. Hooks shall be cast into the barrier in accordance with the manufacturer's recommendations.
- The bolt shall be installed snug tight in the cast-in ferrule loop insert. The insert shall have a minimum ultimate shear capacity of 12.1 kips.
- Bent plate anchor bracket shall be attached to a concrete surface using one of the following anchor systems. Minimum embedment shall be in accordance with the manufacturer's recommendations, but not less than 4 1/2 in.
 - 1-in. threaded rod, grade 55 minimum, with washer and nut. Rod shall be installed using an approved epoxy chemical anchor system with a minimum ultimate shear capacity of 21.2 kips; or
 - 1-in. diameter wedge anchor; or
 - 1-in. nominal diameter drop-in anchor with 1-in. diameter, grade 5 hex bolt.
- When concrete will remain in place after anchoring is removed, the threaded rod anchoring system shall be used. The rod shall be completely removed, the hole shall be blown out to remove any moisture or debris, and the hole completely filled using the same epoxy that was used for anchoring the rod.
- See E 801-TCCB-05 for bent plate anchor details, top plate washer details, and additional notes.

INDIANA DEPARTMENT OF TRANSPORTATION

ANCHORED TEMPORARY
CONCRETE BARRIER,
FERRULE LOOP INSERT
SEPTEMBER 2019

STANDARD DRAWING NO. E 801-TCCB-06



Elizabeth W. Phillips
DESIGN STANDARDS ENGINEER

5/29/2019
DATE

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CHIEF ENGINEER

6/5/2019
DATE

INDEX	
SHEET NO.	SUBJECT
1	Traffic Control Devices Index and General Notes
2	Channelizing Devices
3	Merge or Shift Taper
4	Channelizing Devices Usage
5	Type III Barricade
6	Typical Construction Sign Mounting
7	Type III Barricade Application for Road Closure for Thru Traffic
8	Type III Barricade Application for Road Closure to All Traffic

GENERAL NOTES:

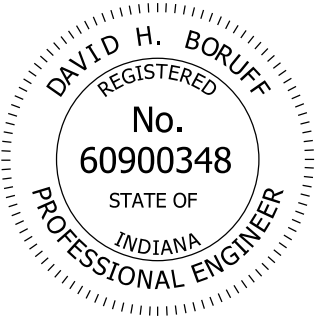
1. Unless otherwise noted, channelizing devices in tangent sections shall be 100 ft where the permanent posted speed limit is 50 m.p.h. or greater, and the spacing shall be 50 ft where the permanent posted speed limit is less than or equal to 45 m.p.h.
2. Unless otherwise noted, the spacing of channelizing devices in tapers shall be equal in feet to the permanent posted speed limit in m.p.h.
3. All channelizing devices shall satisfy NCHRP 350 or MASH crash evaluation criteria.
4. It is not necessary to delineate a drop-off of 3 in. or less adjacent to active travel lanes. Where channelizing devices are used to delineate drop-offs of 3 in. or less adjacent to active travel lanes, at least 33 in. of the device shall be above the adjoining pavement surface. Where channelizing devices are used to delineate a drop-off greater than 3 in. adjacent to active travel lanes, at least 27 in. of the device shall be above the adjoining pavement surface and a Type C warning light shall be attached to the top of the device (on the pavement side). In no case shall more than 9 in. of the device be below the adjoining pavement surface.
5. The proper orientation in respect to approaching vehicular traffic shall be maintained on channelizing devices. Drums are the preferred channelizing device in a tight radius curve and at intersections.
6. **Short-term stationary**, work that occupies a location for more than one hour within a single daylight period.
Intermediate-term stationary, work that occupies a location for more than one daylight period up to three days, or nighttime work lasting more than one hour.
Long-term stationary, work that occupies a location for more than three days.

INDIANA DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL DEVICES
INDEX AND GENERAL NOTES

SEPTEMBER 2022

STANDARD DRAWING NO. E 801-TCDV-01



David H. Boruff

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06/08/22

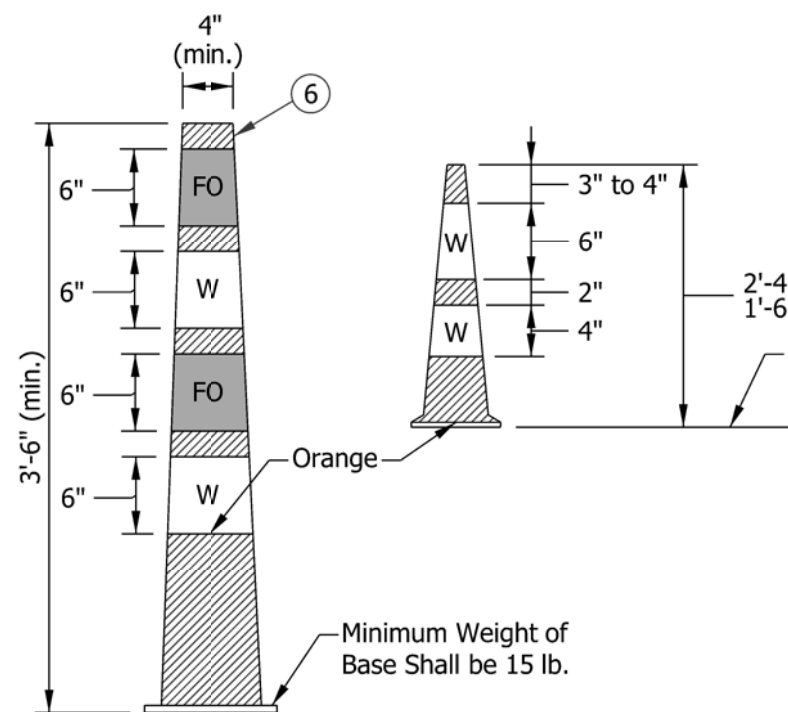
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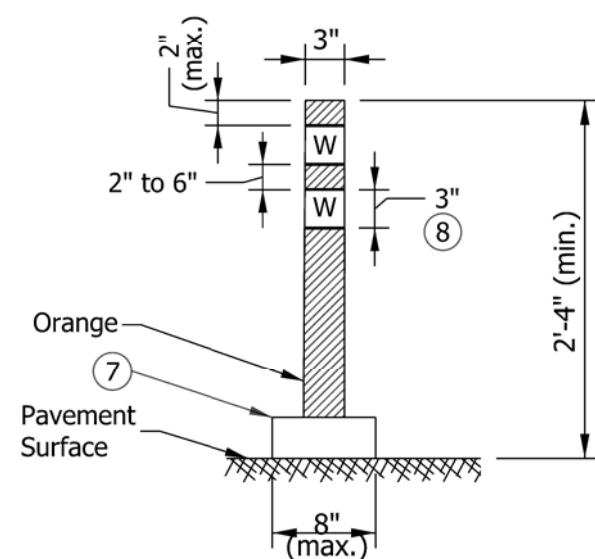
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06/27/2022

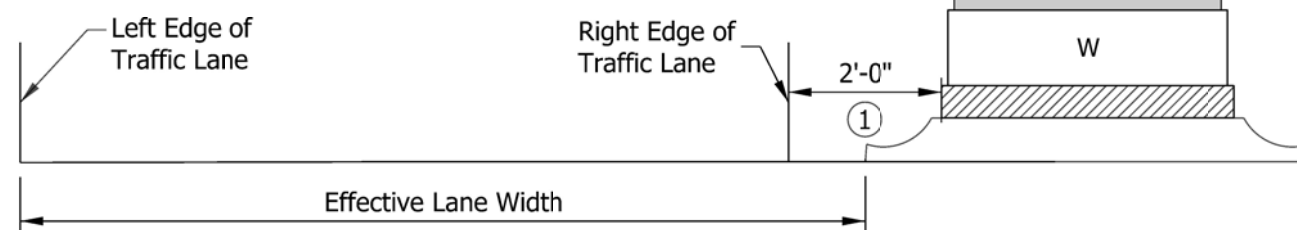
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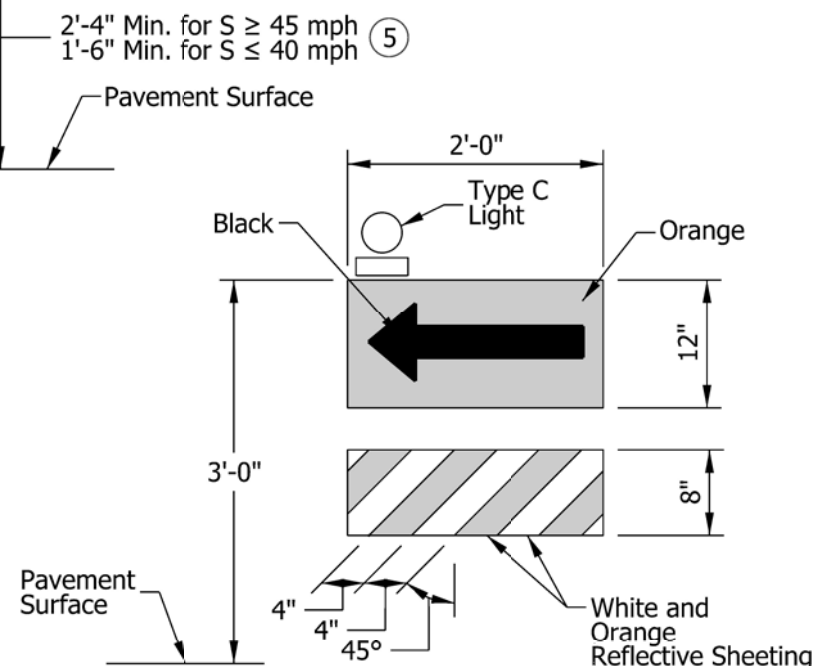
CONE
(3)



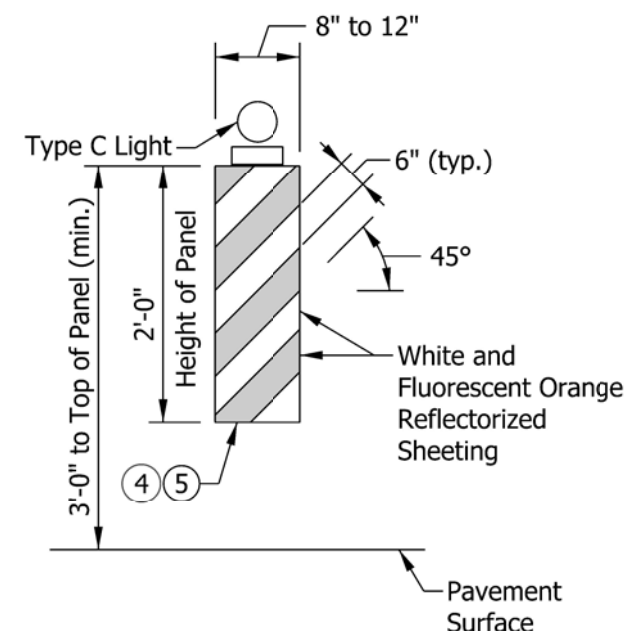
FLEXIBLE TUBULAR MARKER



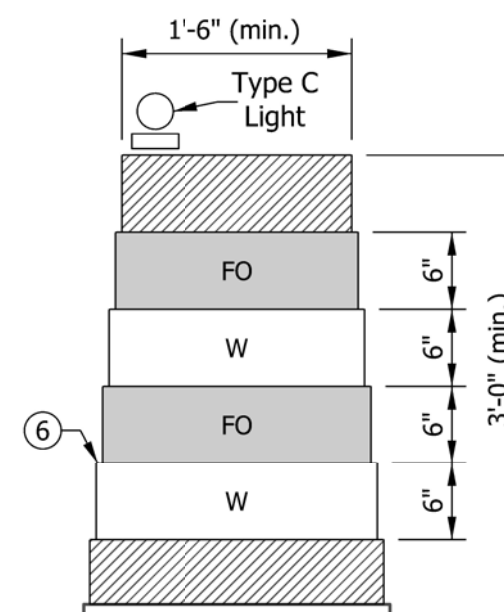
PLACEMENT OF CHANNELIZING DEVICES



DIRECTION INDICATOR BARRICADE



VERTICAL PANEL (1)



DRUM

LEGEND

W = White Reflective Sheetting

FO = Fluorescent Orange Reflective Sheetting

NOTES:

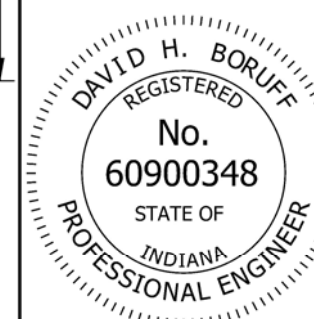
- Shy distance for tubular markers and cones may be reduced to 1 ft.
- A Type C warning light will be required on tapers where there is a reduction in the number of lanes and a flashing arrow sign is used.
- Reflective sheeting may be omitted from cones for lane closures during daylight hours.
- For vertical panels equal to or greater than 3 ft in height, the width of the stripes shall be 6 in.
- Vertical panels used on roadways with a permanent posted speed limit of 50 mph or greater shall have a minimum reflective panel area of 270 sq. in.
- The maximum distance between the edges of adjacent reflective sheeting strips shall be 2 in.
- Minimum flexible tubular marker base area shall be 0.3 sq. ft.
- For nighttime work, tubular markers with a height of less than 3.5 ft shall have two 3 in. white bands of reflective sheeting placed a maximum of 2 in. from the top with a maximum of 6 in. between the bands.
- See Standard Drawing E 801-TCDV-04 for channelizing device usage and application.

INDIANA DEPARTMENT OF TRANSPORTATION

CHANNELIZING
DEVICES

SEPTEMBER 2022

STANDARD DRAWING NO. E 801-TCDV-02

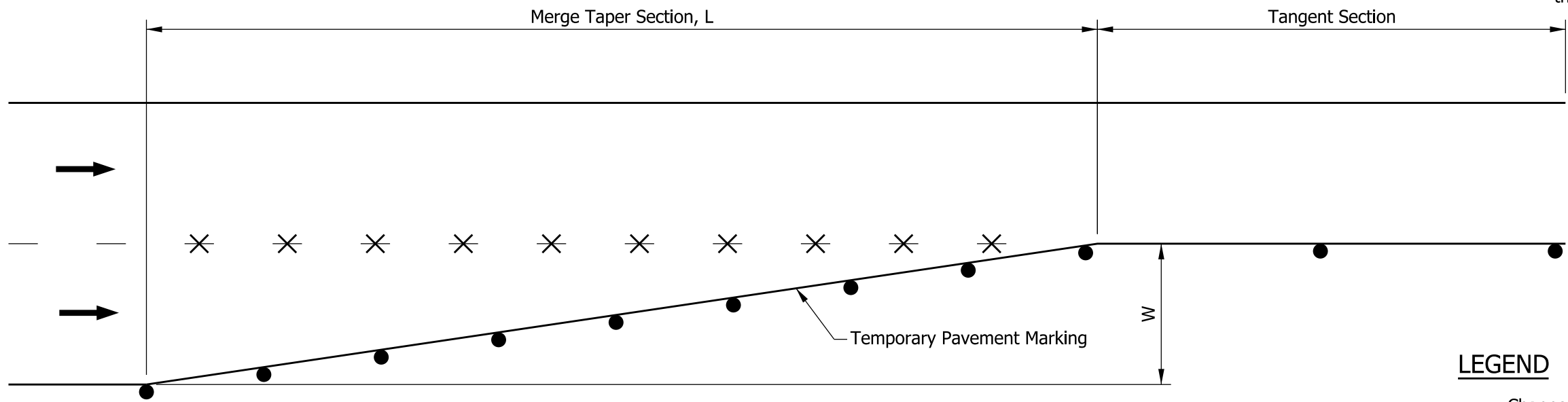


David H. Boruff
DESIGN STANDARDS ENGINEER
06/08/22
DATE

CHIEF ENGINEER
06/27/2022
DATE

NOTES:

- 1. For freeways, a taper length of 840 ft shall be used for the first merge taper. For subsequent merges, a length of 840 ft shall be used unless otherwise shown on the plans.
- 2. A shift taper preceded by a merge taper shall be separated by a tangent section equal to or greater than the length of the shift taper.



LEGEND

- = Channelizing Device
- ✕ = Removal of pavement markings and prismatic reflectors
- ➡ = Direction of Traffic
- L = Minimum length of taper in ft
- S = Posted speed limit prior to the construction zone in mph
- W = Width of lane or shift in ft

MERGE TAPER				
S	Min. Taper Length L			
MPH	W = 9	W = 10	W = 11	W = 12
25	95	105	115	125
30	135	150	165	180
35	185	205	225	245
40	240	270	295	320
45	405	450	500	540
50	450	500	550	600
55	495	550	605	660
60	540	600	660	720
65	585	650	715	780
70	630	700	770	840
75	675	750	825	900

For W not shown in the table, $L = W \times S$ for a speed of 45 mph or greater.
 $L = W \times S^2/60$ for a speed of 40 mph or lower.

SHIFT TAPER				
S	Min. Taper Length L/2			
MPH	W = 9	W = 10	W = 11	W = 12
25	50	55	60	65
30	70	75	85	90
35	95	105	115	125
40	120	135	150	160
45	205	225	250	270
50	225	250	275	300
55	250	275	305	330
60	270	300	330	360
65	295	325	360	390
70	315	350	385	420
75	340	375	415	450

For W not shown in the table, L is one half that required for a merge taper.

INDIANA DEPARTMENT OF TRANSPORTATION

MERGE OR SHIFT TAPER

SEPTEMBER 2022

STANDARD DRAWING NO. E 801-TCDV-03

DAVID H. BORUFF

REGISTERED

No. 60900348

STATE OF INDIANA

PROFESSIONAL ENGINEER

DESIGN STANDARDS ENGINEER

06/08/22

DATE

CHIEF ENGINEER

06/27/2022

DATE

NOTES:

Channelizing Device Type	Usage Application									
	To delineate merge tapers on		To delineate tangents where adequate space exists and also lane shift tapers on		Where the effective lane width is less than 10 ft to delineate tangents in lieu of drums on		Where the effective lane width is less than 10 ft to delineate edge of pavement drop-off in lieu of drums on		To divide opposing lanes of traffic on	To divide two or more lanes of same direction traffic on
	Freeways	Non-Freeways	Freeways	Non-Freeways	Freeways	Non-Freeways	Freeways	Non-Freeways	Non-Freeways	Non-Freeways
18 in. Cone ① ≤ 40 mph Posted Speed Limit	No	Yes ④	No	Yes ④	No	No	No	No	Yes ④	Yes ④
18 in. Cone ≥ 45 mph Posted Speed Limit	No	No	No	No	No	No	No	No	No	No
28 in. Cone ① ≤ 40 mph Posted Speed Limit	No	Yes ⑤	No	Yes ⑤	No	No	No	No	Yes ⑤	Yes ⑤
28 in. Cone ② 45 mph Posted Speed Limit	No	Yes ④	No	Yes ④	No	No	No	No	Yes ⑤	Yes ⑤
28 in. Cone ≥ 50 mph Posted Speed Limit	No	Yes ④	No	Yes ④	No	No	No	No	Yes ⑤	Yes ⑤
42 in. Channelizer (Cone) ① ⑥ ≤ 45 mph Posted Speed Limit	No	Yes ⑤	No	Yes ⑤	Yes	Yes	Yes	Yes	Yes ⑤	Yes ⑤
42 in. Channelizer (Cone) ② ⑥ ≥ 50 mph Posted Speed Limit	No	Yes ⑤	No	Yes ⑤	Yes	Yes	Yes	Yes	Yes ⑤	Yes ⑤
Direction Indicator Barricade ③	Yes	Yes	No	No	No	No	No	No	No	No
Flexible Tubular Marker ③	No	No	No	No	No	No	No	Yes	Yes	Yes
Vertical Panel ③	No	Yes	No	Yes	No	Yes	No	Yes	No	No
Construction Drum ③	Yes	Yes	Yes	Yes	No	No	No	No	No	No

- ① Spacing in tangent shall be 40 ft maximum; spacing between devices in taper shall be numerically equal in feet, maximum, to the posted speed limit in m.p.h.
- ② Spacing in tangent shall be 80 ft maximum; spacing between devices in taper shall be numerically equal in feet, maximum, to the posted speed limit in m.p.h.
- ③ Spacing in tangents shall be 50 ft maximum when the speed limit is 45 m.p.h. or below; spacing in tangents shall be 100 ft maximum when the posted speed limit is 50 mph or above; in cases where the posted speed limit is intermittently set to 45 m.p.h. the channelizing devices shall be maintained at 90 ft maximum spacing; spacing of channelizing devices on tapers shall be numerically equal in feet, maximum, to the posted speed limit in m.p.h.
- ④ May only be used for daylight restrictions.
- ⑤ May not be used for long-term, stationary work (more than 3 days).
- ⑥ 30 lb ballast configuration required.
7. For the purpose of channelizing device usage and spacing, the posted speed limit is the permanent posted speed limit, temporary speed limit, or worksite speed limit, whichever is lower.

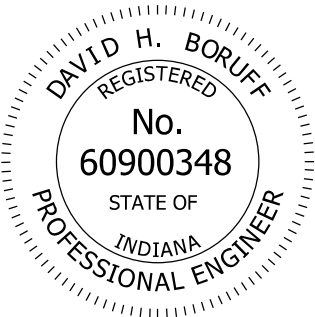
CHANNELIZING DEVICE USAGE TABLE

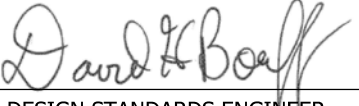
INDIANA DEPARTMENT OF TRANSPORTATION

CHANNELIZING DEVICE USAGE

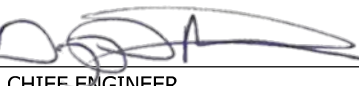
SEPTEMBER 2022

STANDARD DRAWING NO. E 801-TCDV-04





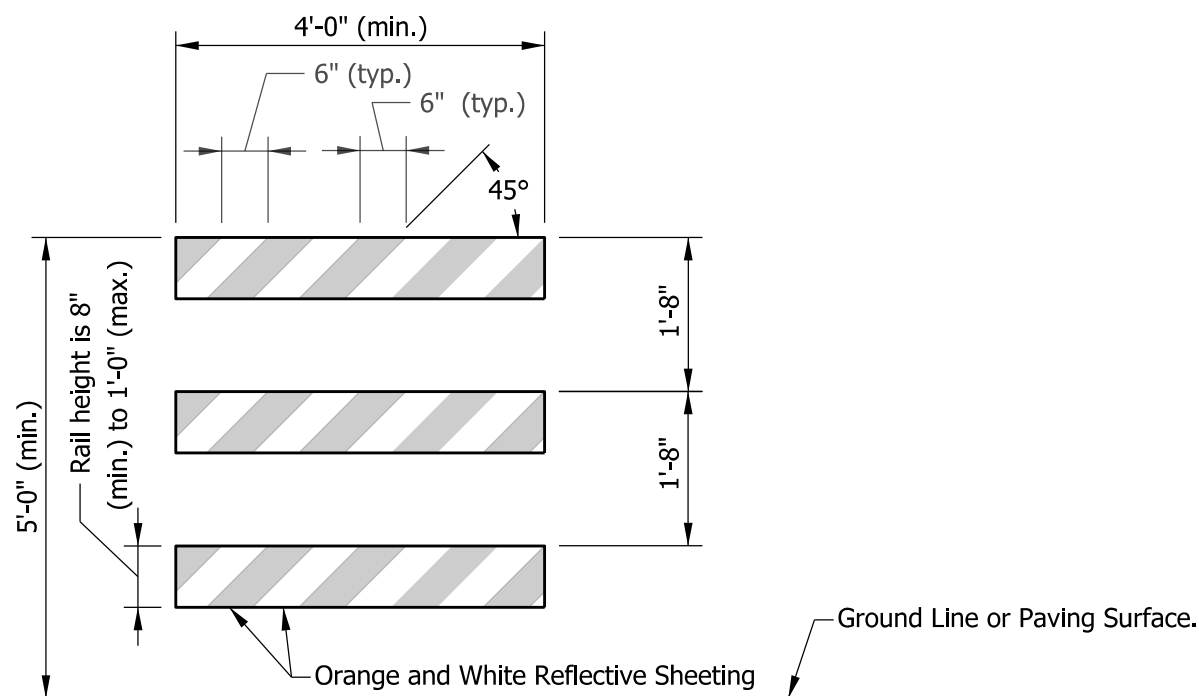
06/08/22
DATE



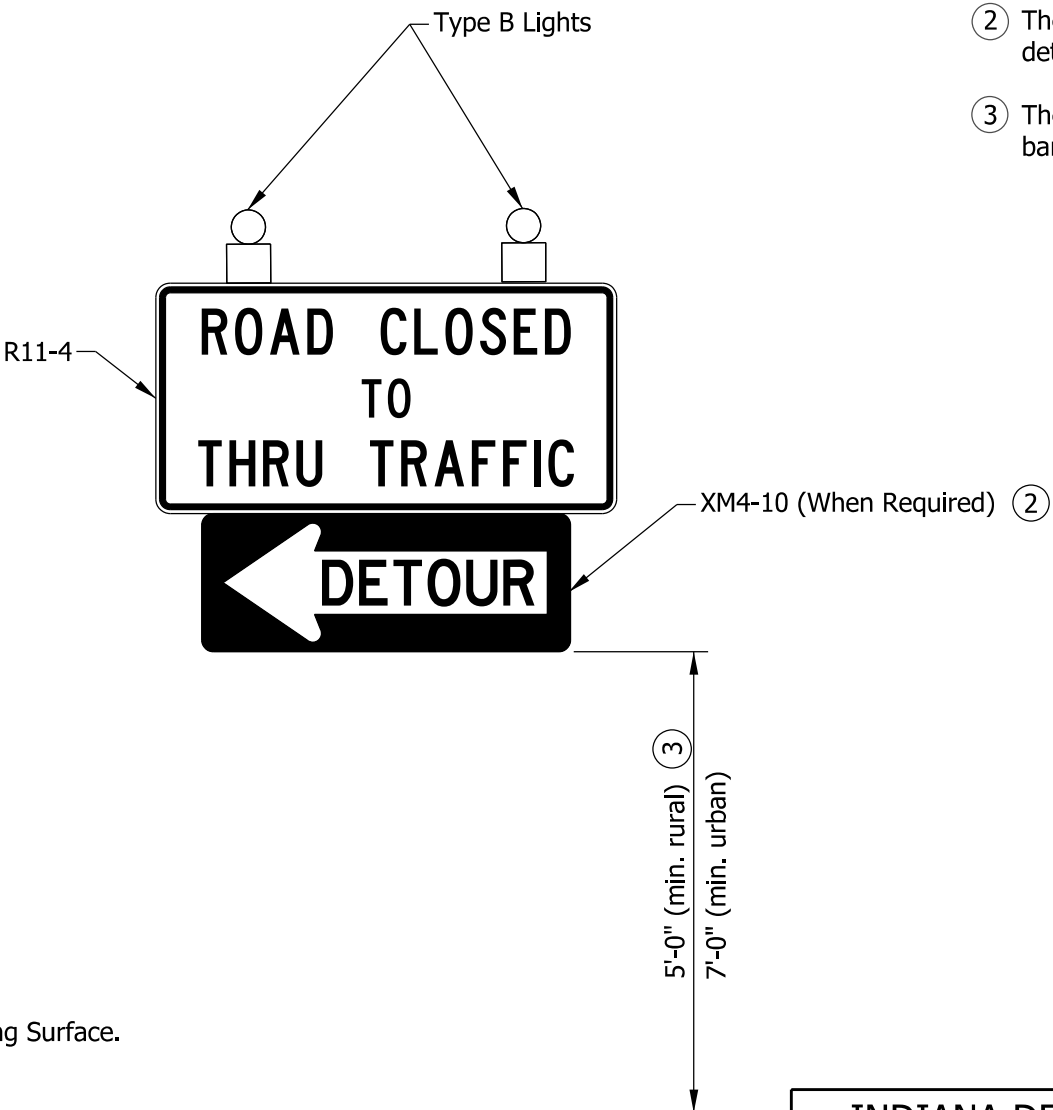
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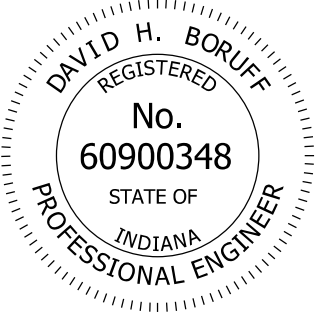
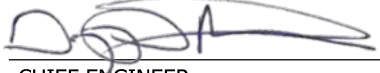
- 1. Barricade lights, signs, and supports shall satisfy NCHRP 350 or MASH crash evaluation criteria.
- ② The detour arrow sign shall be used only when a detour route has been signed.
- ③ The sign assembly shall be above the Type III barricade.

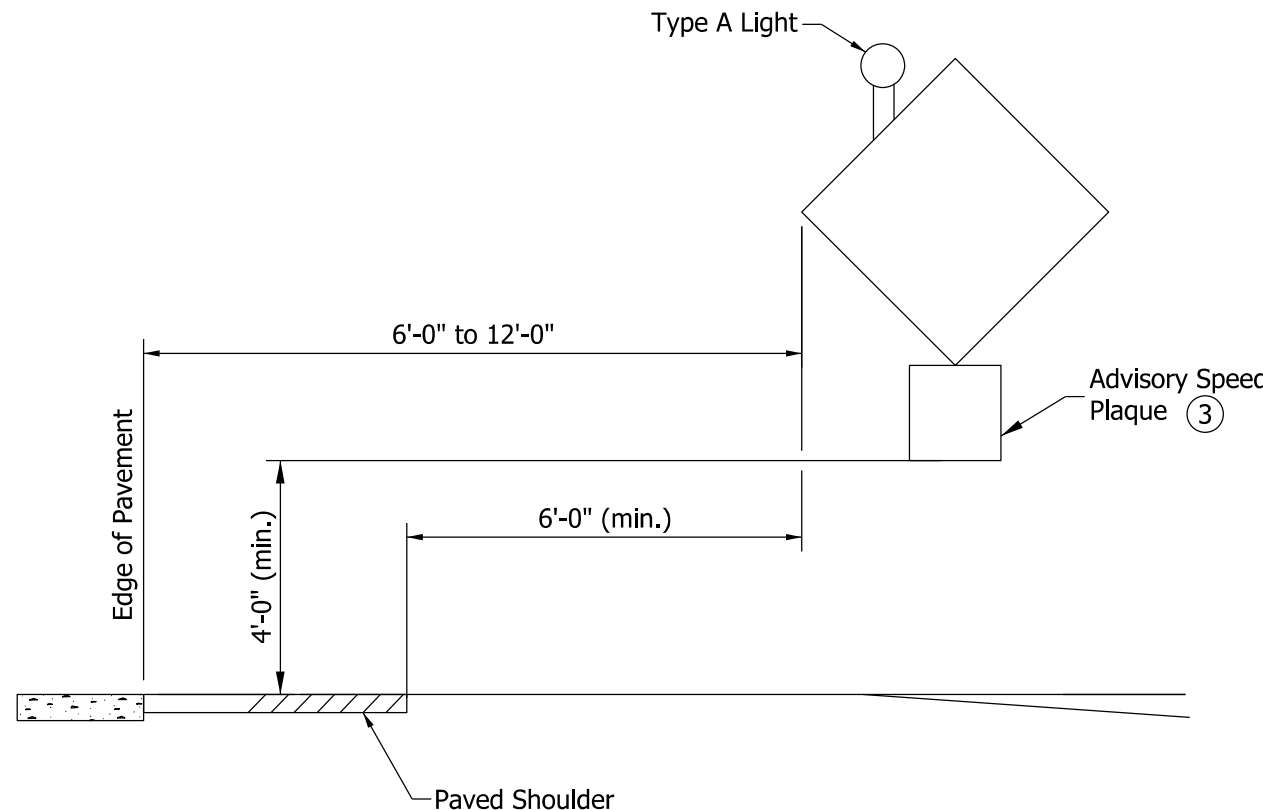
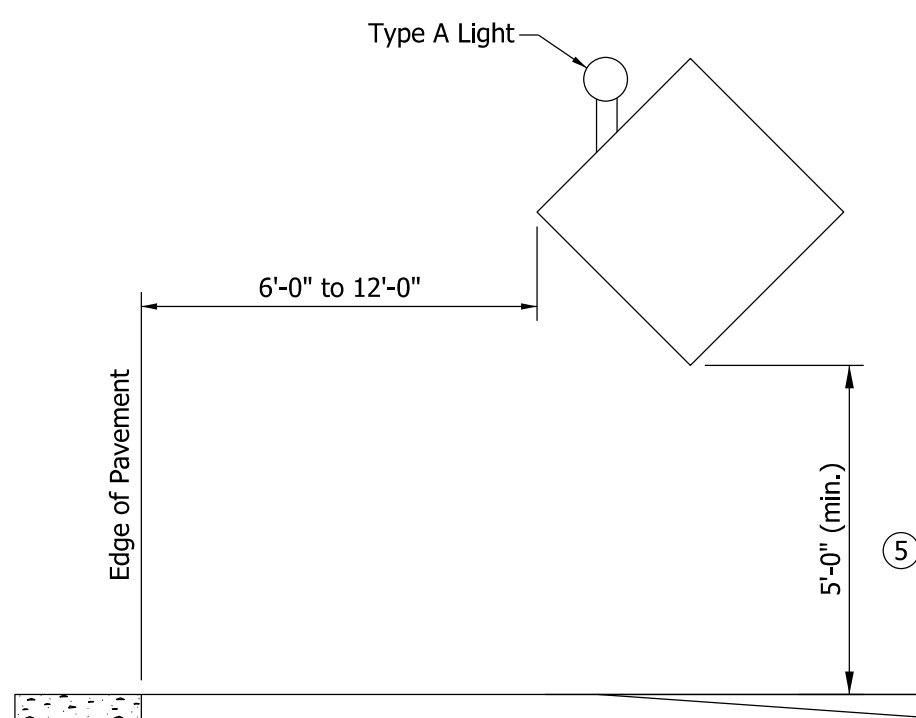


TYPE III BARRICADE

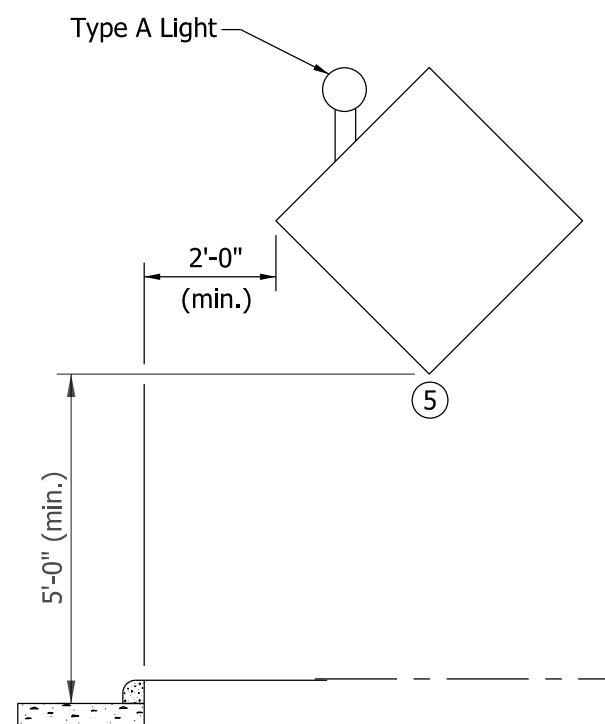
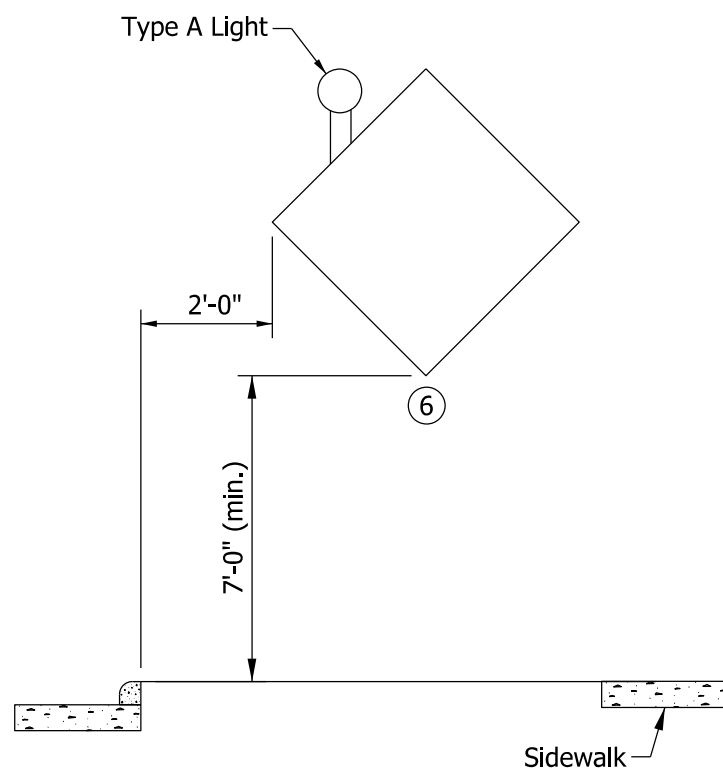


ROAD CLOSURE SIGN ASSEMBLY

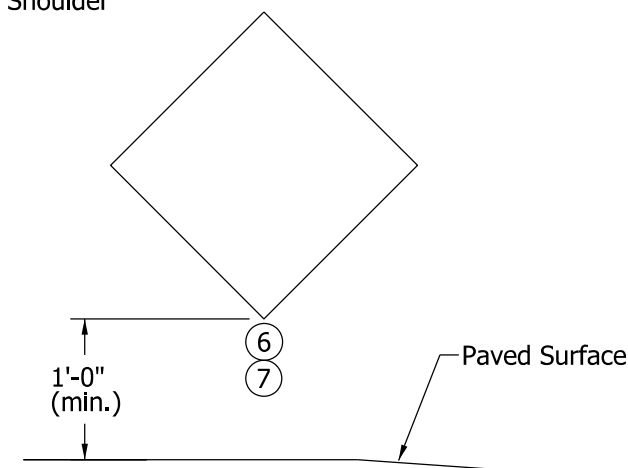
INDIANA DEPARTMENT OF TRANSPORTATION	
TYPE III BARRICADE	
SEPTEMBER 2022	
STANDARD DRAWING NO. E 801-TCDV-05	
	David H. Boruff06/08/22 DESIGN STANDARDS ENGINEERDATE 06/27/2022 CHIEF ENGINEERDATE



ROADWAY WITHOUT CURB



CURBED ROADWAY



TEMPORARY MOUNTED CONSTRUCTION SIGN

NOTES:

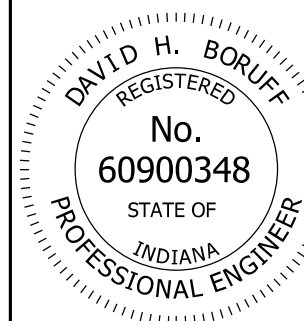
1. See Standard Drawing E 801-TCSN-07 for additional notes.
2. Signs, lights, and supports shall satisfy NCHRP 350 or MASH crash evaluation criteria.
- 3 An advisory speed plaque, required to be placed with another construction sign, may be mounted on the post closest to the roadway at a height not less than 4 ft above the edge of pavement adjacent to the sign. The bottom of the construction warning sign shall not be lower than the top of the advisory speed plaque.
4. Type A warning light required on all construction signs.
- 5 In urban area or on Interstate route, mounting height shall not be less than 7 ft.
- 6 When signs are placed on sidewalk, a 4 ft useable width shall be maintained. No part of the sign or support that is less than 7 ft in height may protrude more than 4 in. into the 4 ft useable sidewalk width.
- 7 Temporary mounted construction sign for nighttime work or for operations which affect traffic lanes shall have a mounting height of 5 ft above the traveled way. On roadways where on-street parking is allowed, temporary mounted construction signs shall have a minimum sign mounting height of 7 ft above the traveled way.

INDIANA DEPARTMENT OF TRANSPORTATION

TYPICAL CONSTRUCTION
SIGN MOUNTING

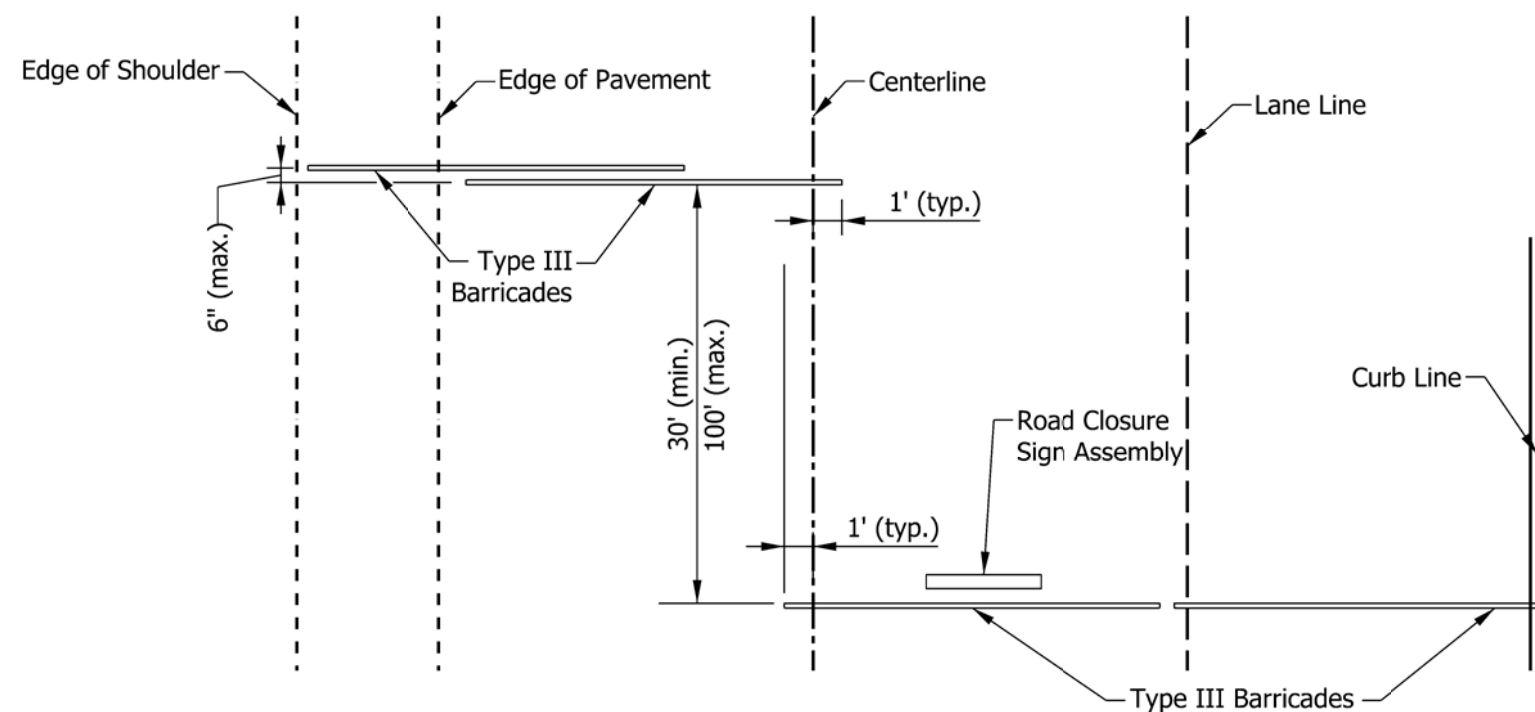
SEPTEMBER 2022

STANDARD DRAWING NO. E 801-TCDV-06

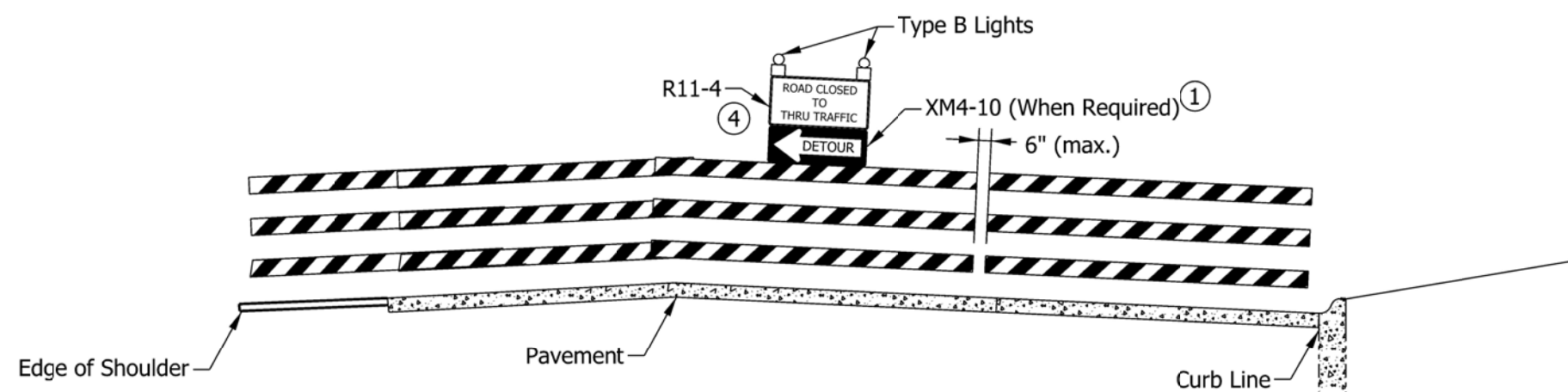


David H. Boruff 06/08/22
DESIGN STANDARDS ENGINEER DATE

[Signature] 06/27/2022
CHIEF ENGINEER DATE



PLAN VIEW



ELEVATION

NOTES:

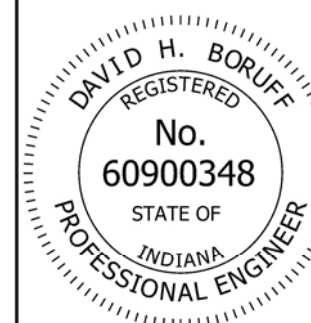
- ① The detour arrow (XM4-10) sign shall be used only when a detour route has been signed.
2. See Standard Drawing E 801-TCDV-06 for sign mounting information.
3. Barricades and supports shall satisfy NCHRP 350 or MASH crash evaluation criteria.
- ④ The R11-3a ("ROAD CLOSED/LOCAL TRAFFIC ONLY") sign may be substituted for the R11-4 sign as shown on the plans or as directed by the engineer.

INDIANA DEPARTMENT OF TRANSPORTATION

TYPE III BARRICADE APPLICATION FOR
ROAD CLOSURE FOR THRU TRAFFIC

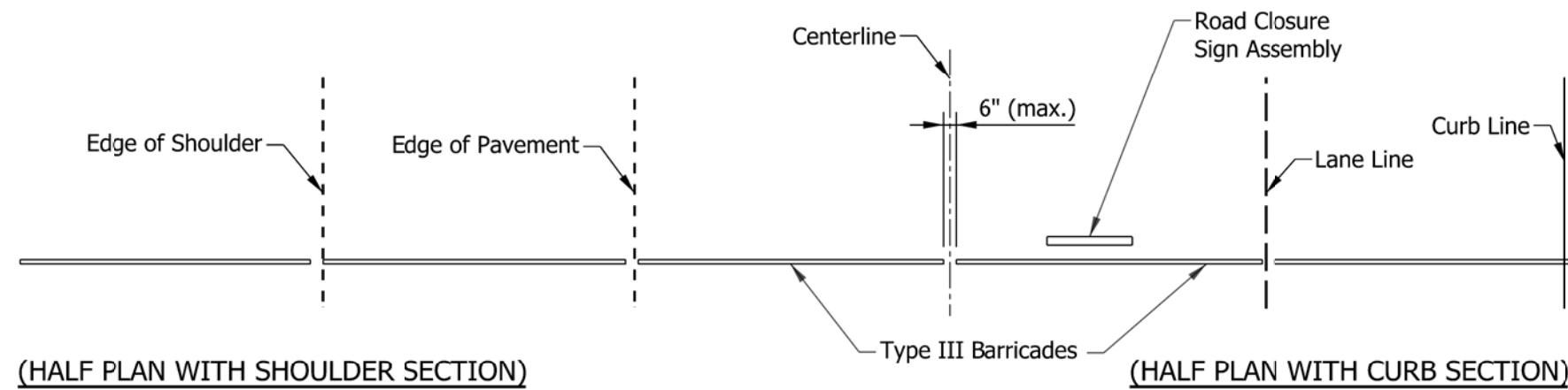
SEPTEMBER 2022

STANDARD DRAWING NO. E 801-TCDV-07

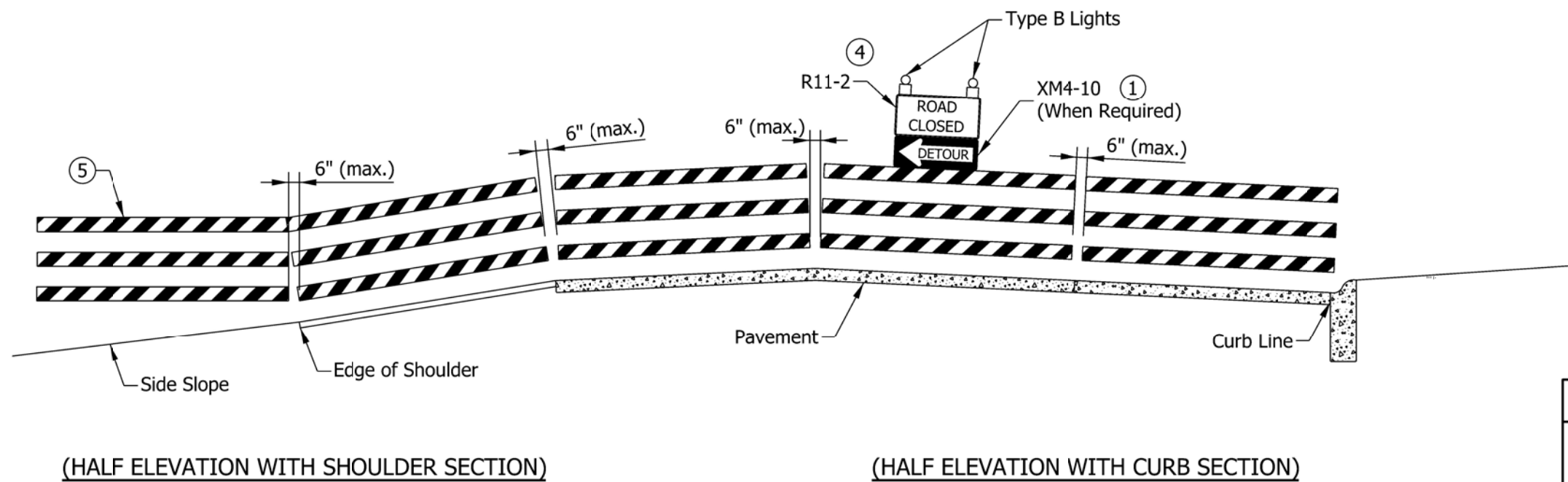


David H. Boruff 06/08/22
DESIGN STANDARDS ENGINEER DATE

[Signature] 06/27/2022
CHIEF ENGINEER DATE



PLAN VIEW



ELEVATION

NOTES:

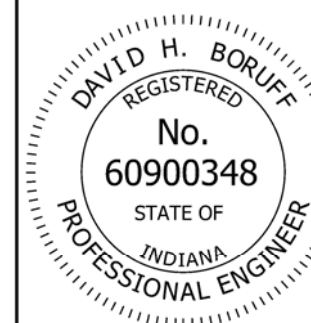
- ① The detour arrow (XM 4-10) sign shall be used only when a detour route has been signed.
2. See Standard Drawing E 801-TCDV-06 for sign mounting information.
3. Barricades and supports shall satisfy NCHRP 350 or MASH crash evaluation criteria.
- ④ The sign legend of the R11-2 sign may be modified to "BRIDGE CLOSED" as shown on the plans or as directed by the engineer.
- ⑤ Barricades shall be supported on driven posts in areas outside of the pavement or sidewalk, where side slopes are 3 to 1 or flatter.

INDIANA DEPARTMENT OF TRANSPORTATION

TYPE III BARRICADE APPLICATION
FOR ROAD CLOSURE TO ALL TRAFFIC

SEPTEMBER 2022

STANDARD DRAWING NO. E 801-TCDV-08

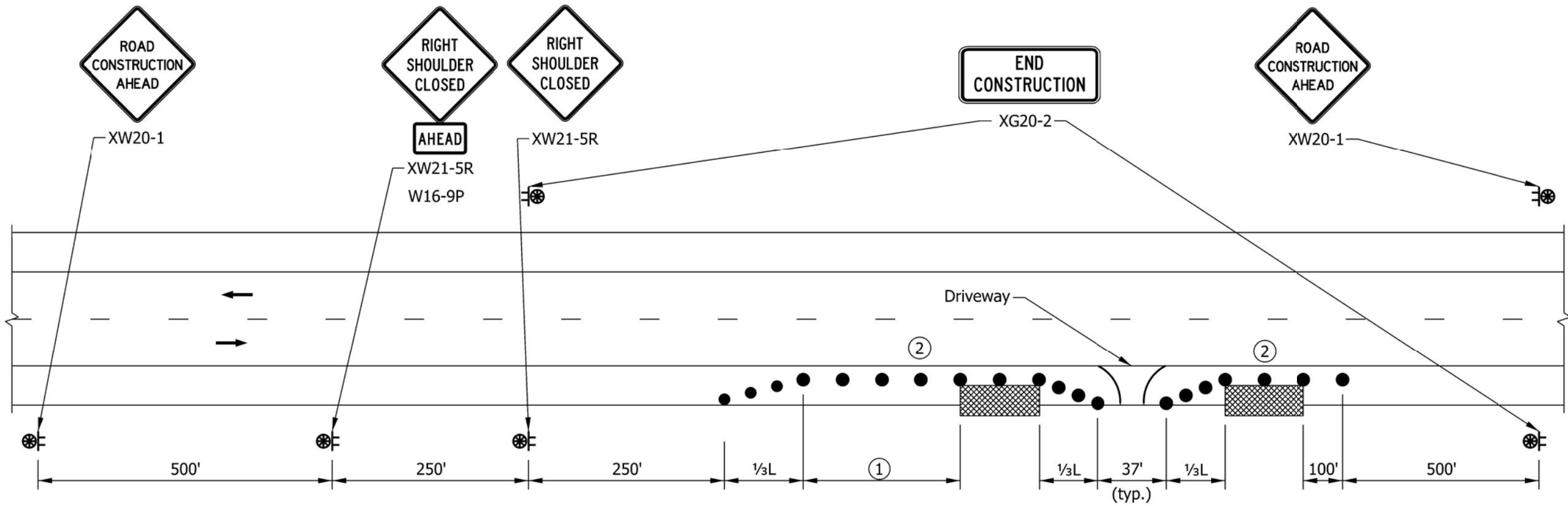


David H. Boruff 06/08/22
DESIGN STANDARDS ENGINEER DATE

[Signature] 06/27/2022
CHIEF ENGINEER DATE

NOTES:

- ① Longitudinal Buffer Length, see table.
- ② Use temporary traffic barrier if required by designer.
- 3. See Standard Drawing series E 801-TCDV for distance, L.



LEGEND

- Temporary Traffic Barrier
- Channelizing Device
- Construction Sign and Supports
- Construction Warning Light
- Direction of Traffic
- Crash Cushion
- Work Area

LONGITUDINAL BUFFER LENGTH	
Posted Speed Limit (mph)	Length (ft)
≤30	200
35	250
40	305
45	360
50	425
55	495

INDIANA DEPARTMENT OF TRANSPORTATION

SHOULDER CLOSURE ON
TWO LANE HIGHWAY WITH LOCAL ACCESS

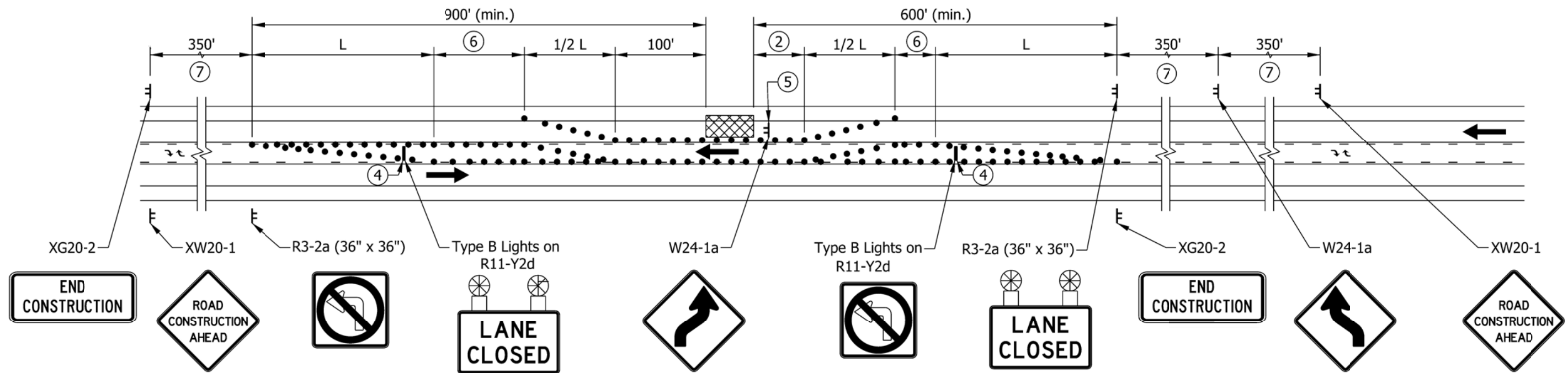
SEPTEMBER 2022

STANDARD DRAWING NO. E 801-TCSC-06

DAVID H. BORUFF
REGISTERED
No.
60900348
STATE OF
INDIANA
PROFESSIONAL ENGINEER

David H. Boruff05/17/22
DESIGN STANDARDS ENGINEERDATE

07/07/2022
CHIEF ENGINEERDATE

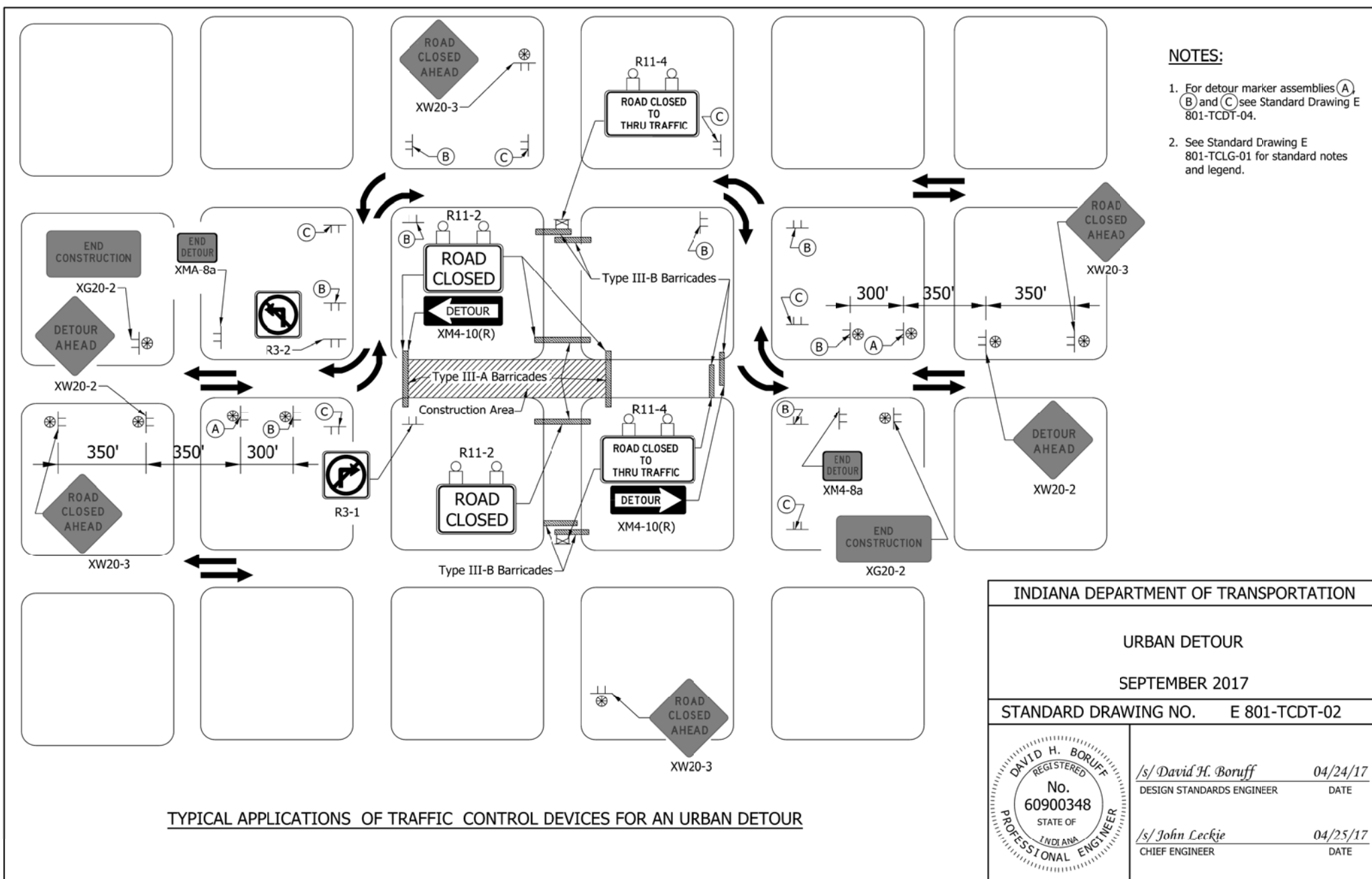


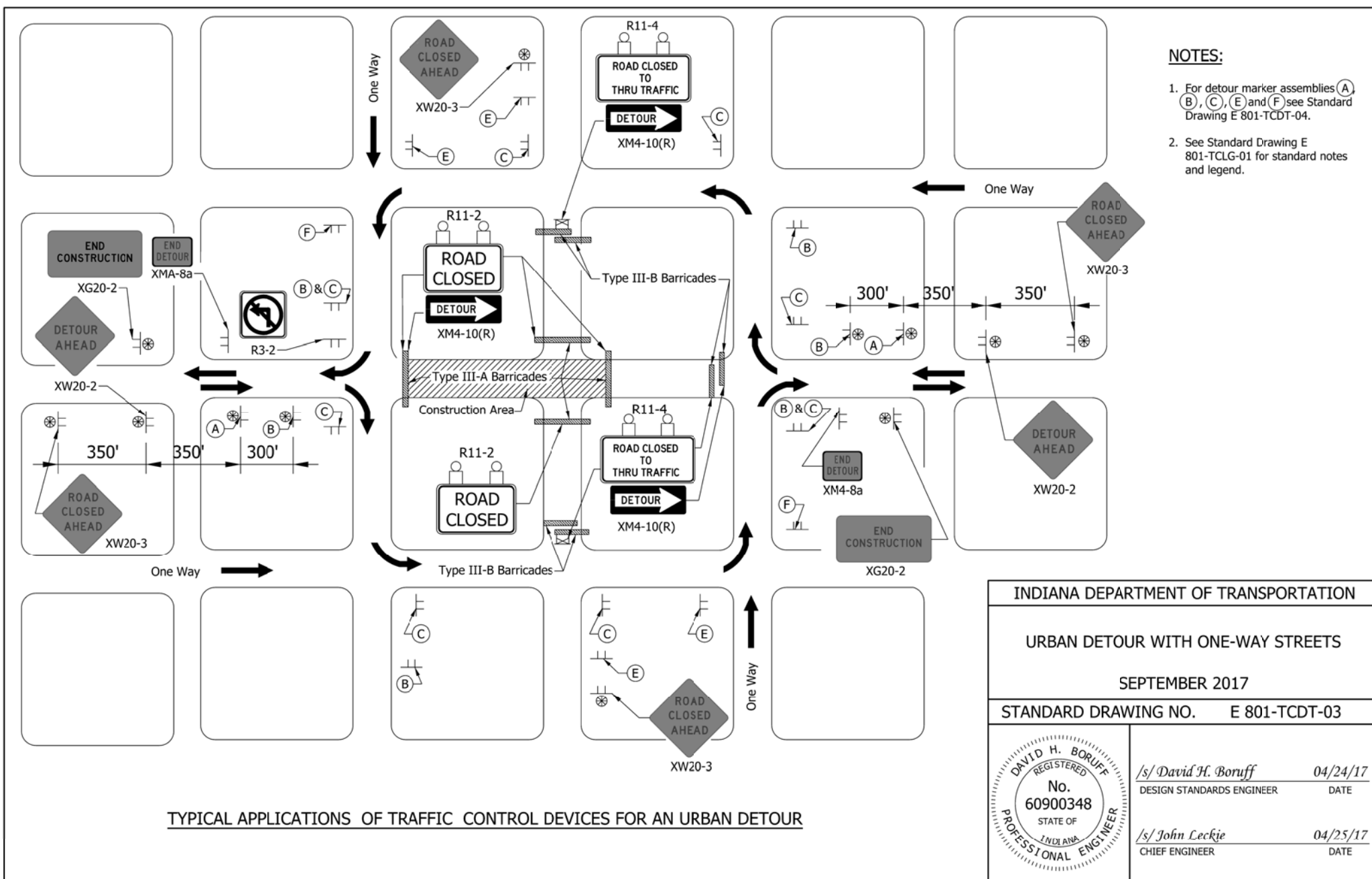
NOTES:

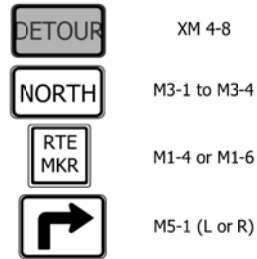
- See Standard Drawing series E 801-TCDV for merge distance, L.
- Longitudinal Buffer Length, see table.
- R3-2A must be repeated at each intersection and at class 3 and 4 drives.
- Type III Barricade
- The lane-shift sign shall be placed 350 ft in advance of the return lane-shift.
- Access Control Buffer, if required.
- For urban locations where the speed limit is ≤ 35 mph, the sign spacing may be reduced to 100 ft.

LONGITUDINAL BUFFER LENGTH	
Posted Speed Limit (mph)	Length (ft)
25	155
30	200
35	250
40	305
45	360
50	425
55	495
60	570
65	645
70	730

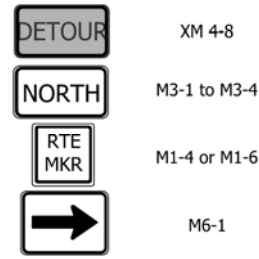
INDIANA DEPARTMENT OF TRANSPORTATION	
SHORT OR INTERMEDIATE TERM STATIONARY LANE CLOSURE ON THREE LANE ROAD	
SEPTEMBER 2022	
STANDARD DRAWING NO. E 801-TCLC-12	
	 DESIGN STANDARDS ENGINEER 06/08/22 DATE
	06/27/2022 DATE



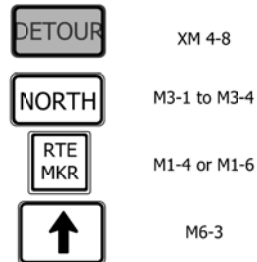




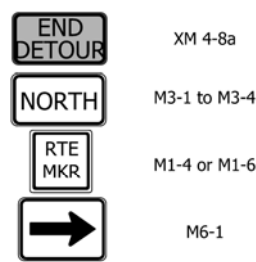
(A) ADVANCE TURN DETOUR ROUTE MARKER ASSEMBLY ①



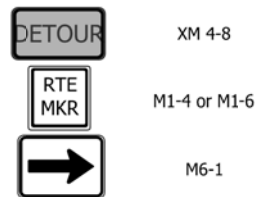
(B) DIRECTIONAL DETOUR ROUTE MARKER ASSEMBLY ②



(C) CONFIRMING DETOUR ROUTE MARKER ASSEMBLY ③



(D) END DETOUR ROUTE MARKER ASSEMBLY ④



(E) BI-DIRECTIONAL DETOUR ROUTE MARKER ASSEMBLY



(F) BI-DIRECTIONAL CONFIRMING DETOUR ROUTE MARKER ASSEMBLY

STATE HIGHWAY / NUMBERED LOCAL HIGHWAY

NOTES:

- ① Advance turn detour route marker assemblies shall be located as shown, or after the last cross street prior to the beginning of the detour, as directed.
- ② Directional detour route marker assemblies shall be located 100 ft. to 200 ft. in advance of all required turns within the detour limits.
- ③ Confirming detour route marker assemblies shall be located 200 ft. past all major intersections, as required, and shall be spaced a maximum of 3 mi. on a rural detour or 0.5 mi. on an urban detour on each leg of such detours. Confirming detour route marker assemblies shall be placed after a required turn when directed.
- ④ End detour route marker assemblies shall be located 100 ft. to 200 ft. in advance of the final turn of the detour.

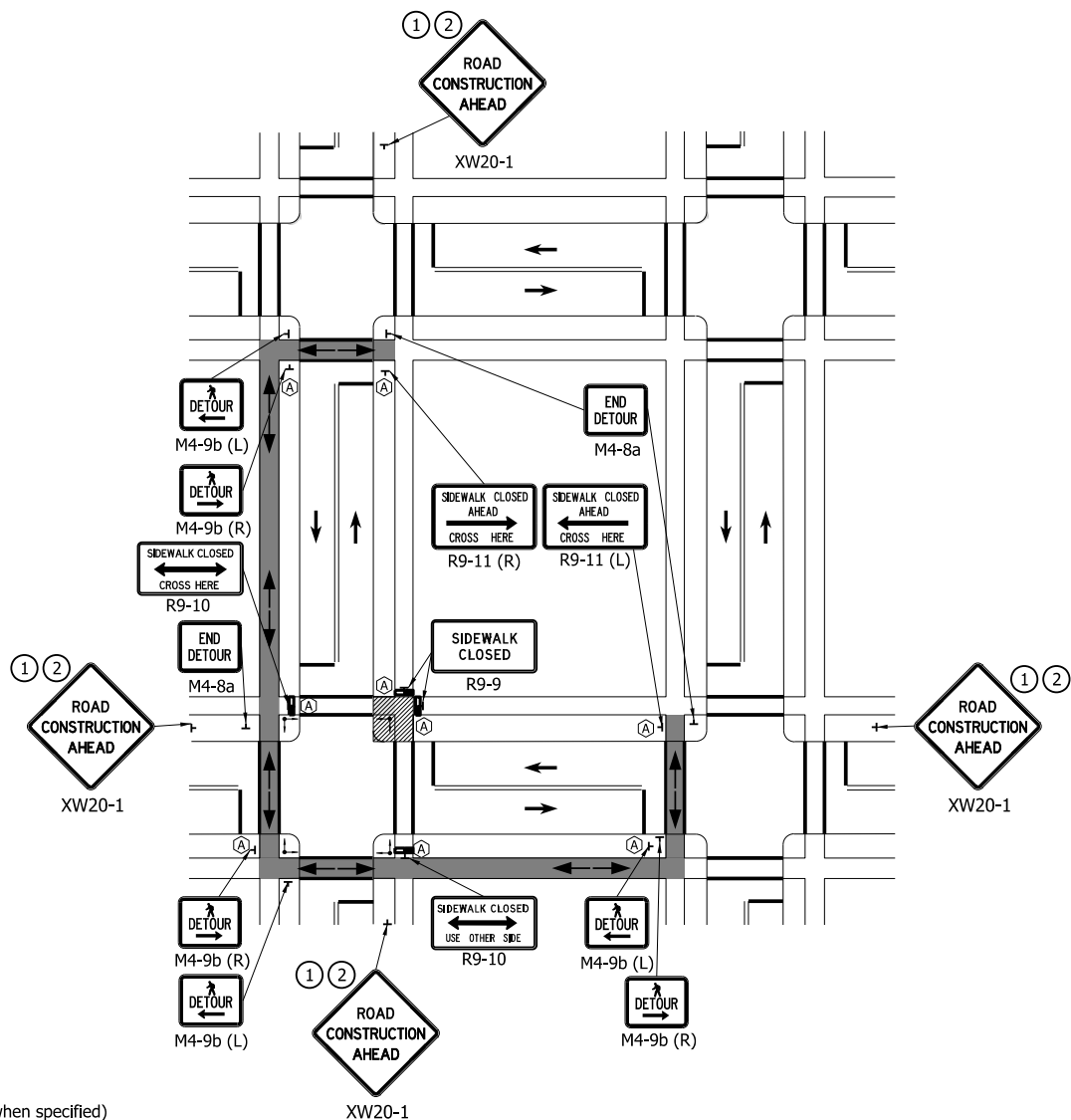
INDIANA DEPARTMENT OF TRANSPORTATION

DETOUR ROUTE MARKER ASSEMBLIES

SEPTEMBER 2017

STANDARD DRAWING NO. E 801-TCDT-04

	<u>/s/ David H. Boruff</u> 04/24/17 DESIGN STANDARDS ENGINEER DATE
	<u>/s/ John Leckie</u> 04/25/17 CHIEF ENGINEER DATE



LEGEND

- Work Area
- Pedestrian Detour Direction
- Direction of Traffic
- Audible Information Device (when specified)
- Sign (shown facing right)
- Traffic or Pedestrian Signal
- Temporary Pedestrian Channelizer
- Pedestrian Detour Route

NOTES:

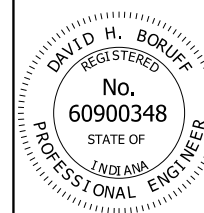
- ① Road Construction Ahead signs shall be placed a minimum 350 ft in advance of the work area. This distance may be reduced to 100 ft if the permanent posted speed limit is 30 mph or less.
- ② When there is no concurrent road construction, the message "Sidewalk Construction Ahead" may be used. They shall be placed a minimum of 100 ft in advance of the closure.

INDIANA DEPARTMENT OF TRANSPORTATION

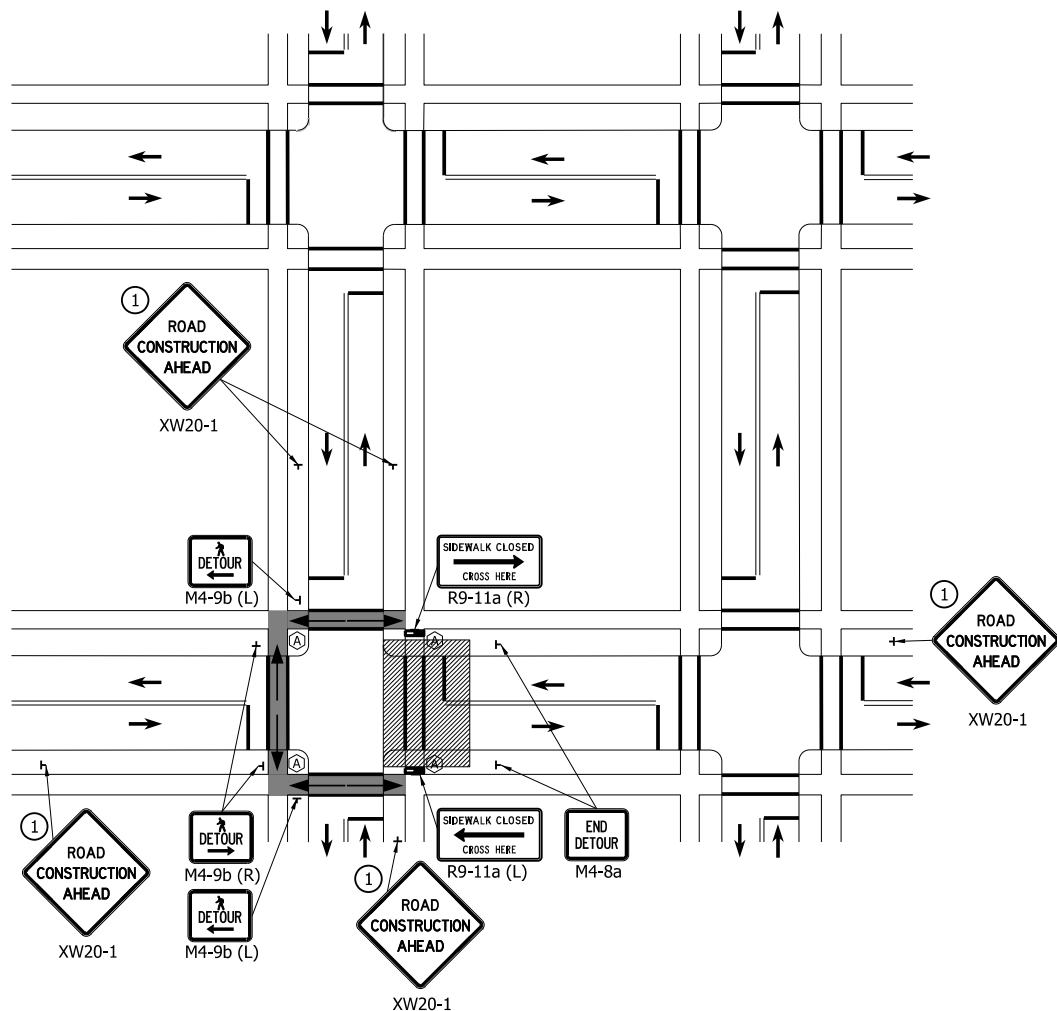
PEDESTRIAN DETOUR
CORNER CLOSURE

SEPTEMBER 2024

STANDARD DRAWING NO. E 801-TPAR-02



	4/26/2024
DESIGN STANDARDS ENGINEER	DATE
	05/13/2024
CHIEF ENGINEER	DATE



LEGEND

- Work Area
- Pedestrian Detour Direction
- Direction of Traffic
- Audible Information Device (when specified)
- Sign (shown facing right)
- Traffic or Pedestrian Signal
- Temporary Pedestrian Channelizer
- Pedestrian Detour Route

NOTE:

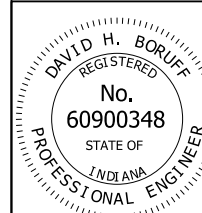
- ① Road Construction Ahead signs shall be placed a minimum 350 ft in advance of the work area. This distance may be reduced to 100 ft if the permanent posted speed limit is 30 mph or less.

INDIANA DEPARTMENT OF TRANSPORTATION

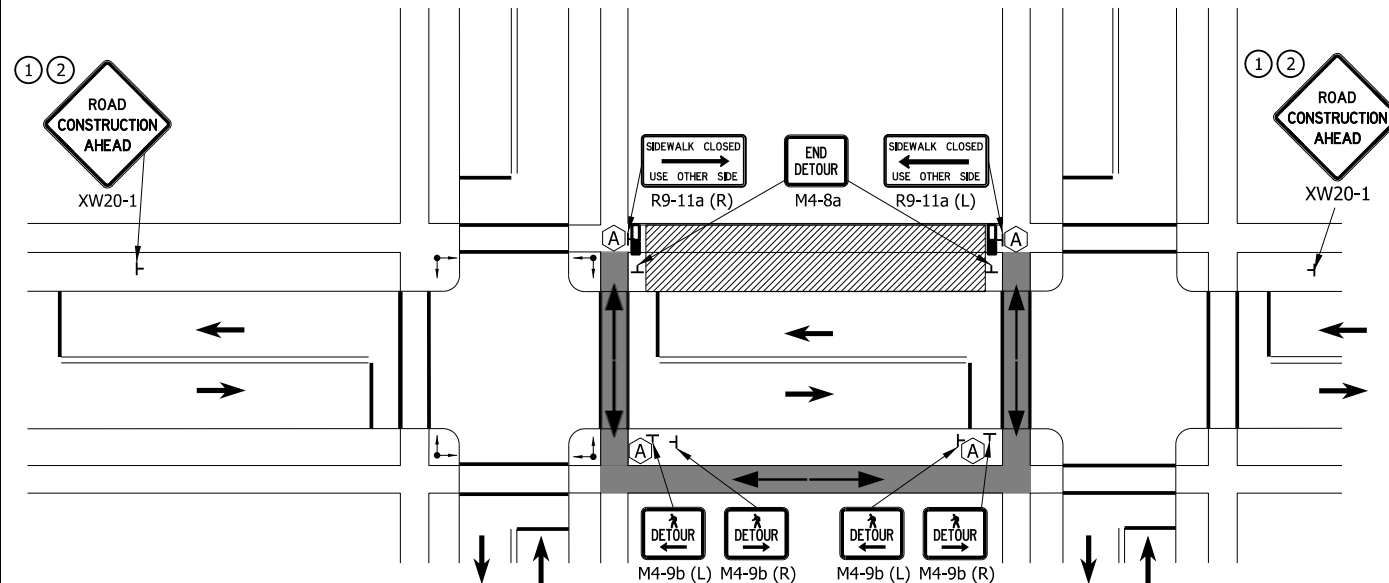
**PEDESTRIAN DETOUR
CROSSWALK CLOSURE**

SEPTEMBER 2024

STANDARD DRAWING NO. E 801-TPAR-03



	4/26/2024
DESIGN STANDARDS ENGINEER	DATE
	05/13/2024
CHIEF ENGINEER	DATE



LEGEND

- Work Area
- Pedestrian Detour Direction
- Direction of Traffic
- Audible Information Device (when specified)
- Sign (shown facing right)
- Traffic or Pedestrian Signal
- Temporary Pedestrian Channelizer
- Pedestrian Detour Route

NOTES:

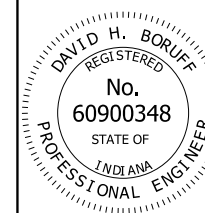
- ① Road Construction Ahead signs shall be placed a minimum 350 ft in advance of the work area. This distance may be reduced to 100 ft if the permanent posted speed limit is 30 mph or less.
- ② When there is no concurrent road construction, the message "Sidewalk Construction Ahead" may be used. They shall be placed a minimum of 100 ft in advance of the closure.
3. The Contractor shall coordinate any on-street parking restrictions with the local public agency.

INDIANA DEPARTMENT OF TRANSPORTATION

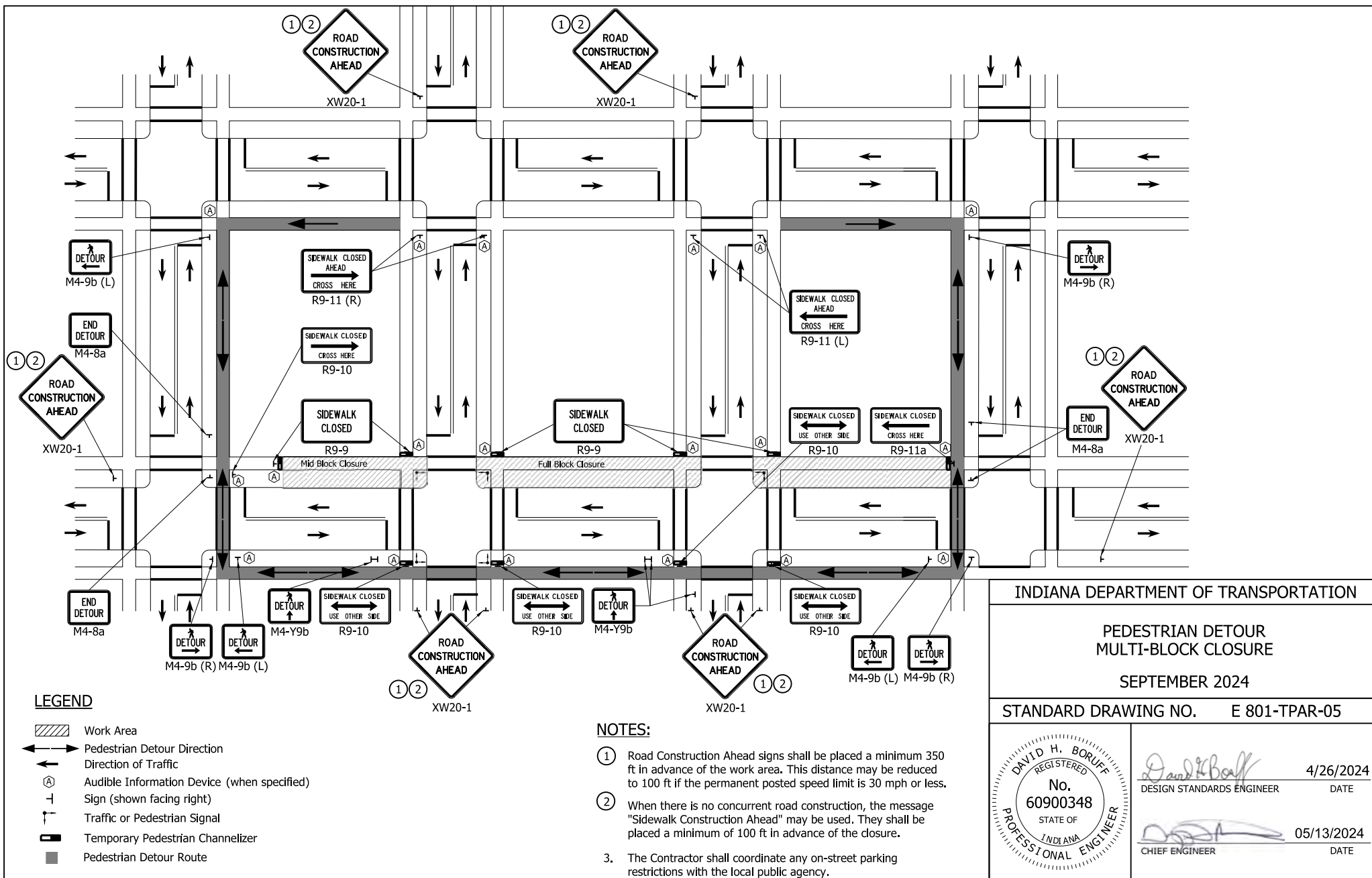
PEDESTRIAN DETOUR
FULL BLOCK CLOSURE

SEPTEMBER 2024

STANDARD DRAWING NO. E 801-TPAR-04

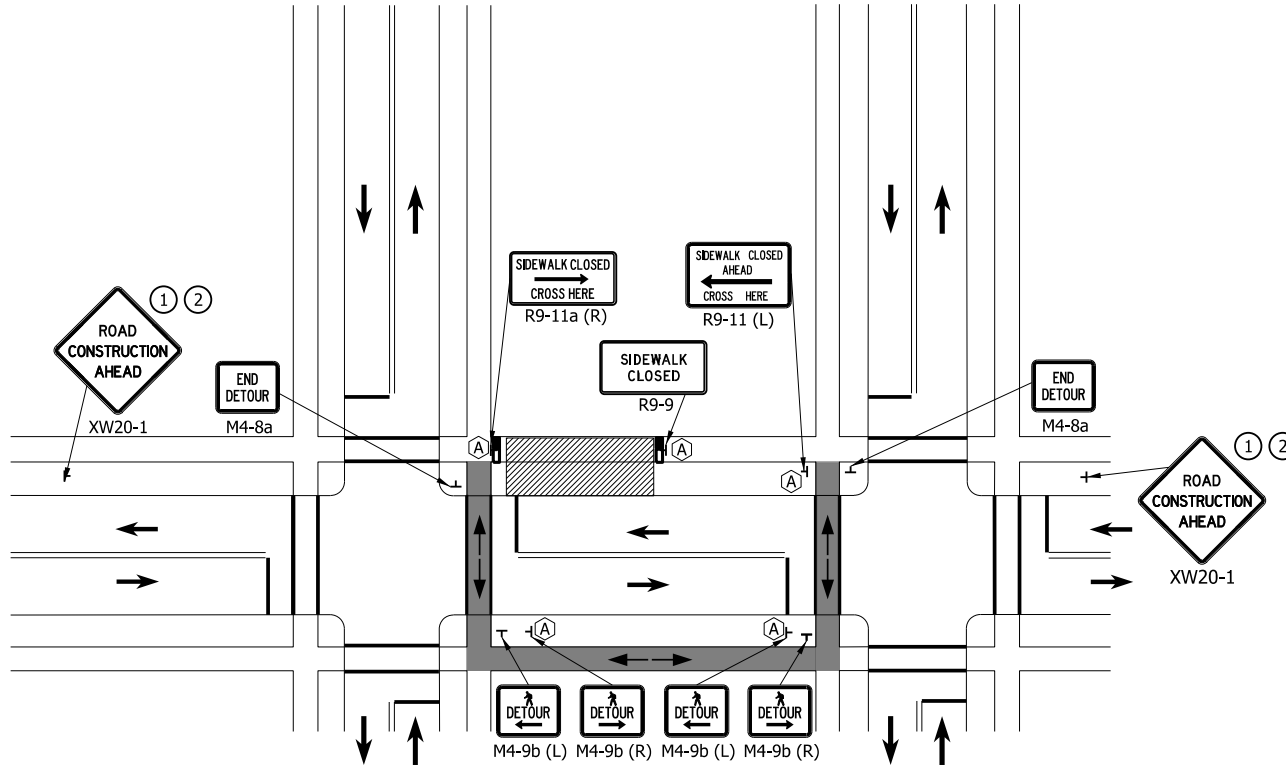


	4/26/2024
DESIGN STANDARDS ENGINEER	DATE
	05/13/2024
CHIEF ENGINEER	DATE



NOTES:

- 1 Road Construction Ahead signs shall be placed a minimum 350 ft in advance of the work area. This distance may be reduced to 100 ft if the permanent posted speed limit is 30 mph or less.
- 2 When there is no concurrent road construction, the message "Sidewalk Construction Ahead" may be used. They shall be placed a minimum of 100 ft in advance of the closure.
3. The Contractor shall coordinate any on-street parking restrictions with the local public agency.



LEGEND

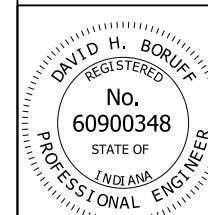
- Work Area
- Pedestrian Detour Direction
- Direction of Traffic
- Audible Information Device (when specified)
- Sign (shown facing right)
- Traffic or Pedestrian Signal
- Temporary Pedestrian Channelizer
- Pedestrian Detour Route

INDIANA DEPARTMENT OF TRANSPORTATION

PEDESTRIAN DETOUR
MIDBLOCK CLOSURE

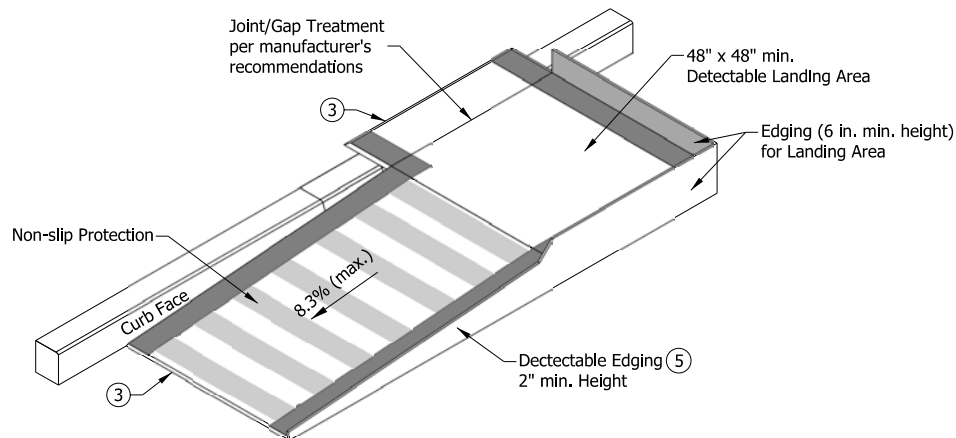
SEPTEMBER 2024

STANDARD DRAWING NO. E 801-TPAR-06

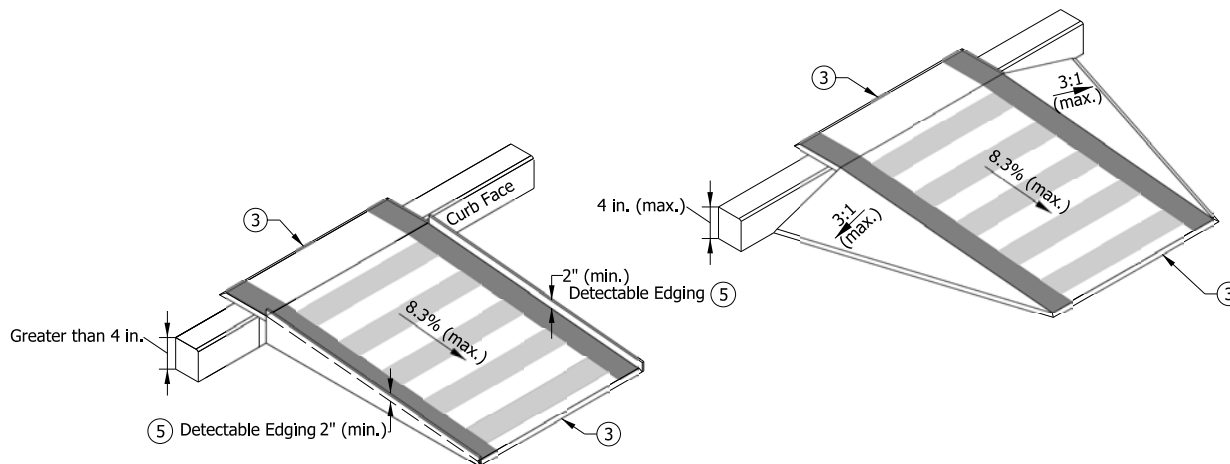


David H. Boruff 4/26/2024
DESIGN STANDARDS ENGINEER DATE

[Signature] 05/13/2024
CHIEF ENGINEER DATE



Temporary Curb Ramp - Parallel to Curb



Temporary Curb Ramp - Perpendicular to Curb

NOTES:

1. Water flow in the gutter system shall be maintained.
2. Lateral joints or gaps between surfaces shall be less than 0.5 in. width.
- ③ Changes in level between surface heights shall not exceed 0.5 in. Lateral edges shall be vertical up to 0.25 in. high, and beveled at 2:1 between 0.25 in. and 0.5 in. in height
4. Handrail shall be provided along a landing area and ramp where the elevation difference between the sidewalk and the street is greater than 6.0 in.
- ⑤ A 2.0 in. detectable edge shall be provided along the entire length of the ramp where the elevation difference between the sidewalk and the street is greater than 4.0 in.
6. The rise of a single temporary curb ramp shall be no more than 30 in. If more than one temporary curb ramp is needed at a location due to the change in elevation, a minimum 5 ft landing area shall be used between curb ramps. The landing area shall have a slope of less than 2.0%.
7. The table below is for common curb heights, the curb ramp length for other curb heights shall be based on having a maximum slope of 12:1.

Curb Height (in.)	Minimum Temporary Curb Ramp Length (ft)
3	3
4	4
5	5
6	6

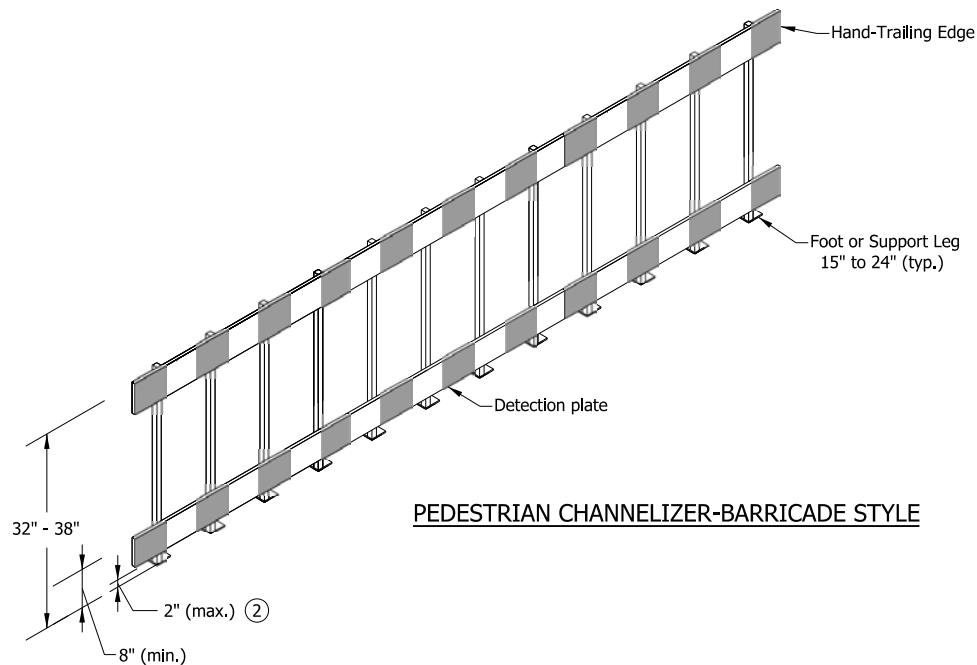
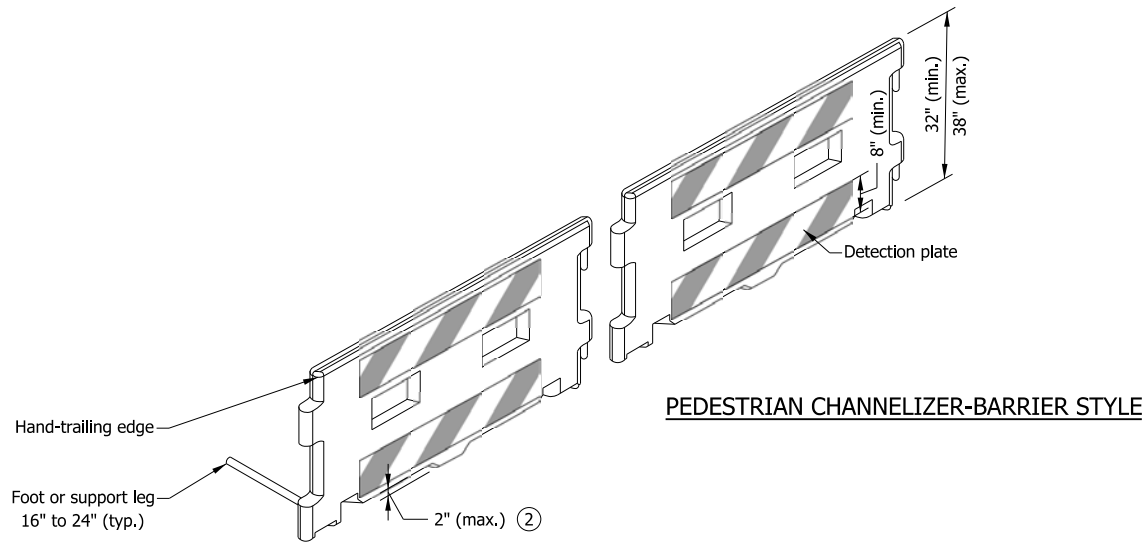
INDIANA DEPARTMENT OF TRANSPORTATION

**TEMPORARY
CURB RAMPS**

SEPTEMBER 2024

STANDARD DRAWING NO. E 801-TPAR-10

		4/26/2024
	DESIGN STANDARDS ENGINEER	DATE
		05/13/2024
	CHIEF ENGINEER	DATE



NOTES:

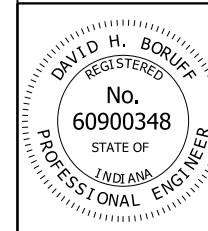
1. Ballast shall be located behind or internal to the device. Any support on the front of the device shall not extend into the 48 in. minimum walkway clear space and shall have 0.25 in. max. height above the walkway surface.
- ② Devices shall not block water drainage from the walkway. A gap height or opening from the walkway surface up to 2 in. max. height is allowed for drainage purposes.
3. Type III Barricades shall not be used as pedestrian channelizers.
4. The hand-trailing edge and detection plate shall have alternating orange and white reflective sheeting oriented vertically or at a 45° angle.

INDIANA DEPARTMENT OF TRANSPORTATION

TEMPORARY PEDESTRIAN
CHANNELIZERS

SEPTEMBER 2024

STANDARD DRAWING NO. E 801-TPAR-11



David H. Boruff 4/26/2024
DESIGN STANDARDS ENGINEER DATE

[Signature] 05/13/2024
CHIEF ENGINEER DATE



RIGHT OF WAY PERMIT

State Form 41769 (R8 / 5-17)

Approved by State Board of Accounts, 2017

Approved by Auditor of State, 2017

STATE OF INDIANA INDIANA DEPARTMENT OF TRANSPORTATION

Type of Permit: ☐ Occupancy (Above Ground) ☐ Occupancy (Below Ground) ☐ Railroad ☒ Miscellaneous ☐ Shared Use		
District Laporte	Subdistrict	Telephone number
Project locations: 540 Tyler Street Close W. 6th Ave. (one way WB) from Tyler St. to Polk St., and assign detour. Close SB Tyler St. (one way SB) from north alley to W. 6th Ave. Close E/W alley between Polk St. and Tyler St. Sidewalk closure on west side of Tyler St. from E/W alley to W. 6th Ave.		Reference pt. number 13.14
Project description: Demolition of 540 Tyler Street. Lane closure of local roads		
Project purpose: MOT for the demolition of 540 Tyler Street		
Bond required: ☐ Yes ☒ No	If Yes, Penal Sum \$	Bond number
PERMIT FEE: (Make check or bank draft payable to "Indiana Department of Transportation") Fee amounts per IC 8-23-2-6(13); fee schedule address: http://www.in.gov/indot/2727.htm		\$ 0
SPECIAL PROVISIONS: THE APPLICANT AGREES TO INDEMNIFY, DEFEND, EXCULPATE, AND HOLD HARMLESS THE STATE OF INDIANA, ITS OFFICIALS AND EMPLOYEES FROM ANY LIABILITY DUE TO LOSS, DAMAGE, INJURIES, OR OTHER CASUALTIES OF WHATSOEVER KIND, OR BY WHOMSOEVER CAUSED, TO THE PERSON OR PROPERTY OF ANYONE ON OR OFF THE RIGHT-OF-WAY ARISING OUT OF, OR RESULTING FROM THE ISSUANCE OF THIS PERMIT OR THE WORK CONNECTED THEREWITH, OR FROM THE INSTALLATION, EXISTENCE, USE, MAINTENANCE, CONDITIONS, REPAIRS, ALTERATION, OR REMOVAL OF ANY EQUIPMENT OR MATERIAL, WHETHER DUE IN WHOLE OR IN PART TO THE NEGLIGENT ACTS OR OMISSIONS (1) OF THE STATE, ITS OFFICIALS, AGENTS, OR EMPLOYEES; OR (2) OF THE APPLICANT, HIS AGENTS, OR EMPLOYEES, OR OTHER PERSONS ENGAGED IN THE PERFORMANCE OF THE WORK, OR (3) THE JOINT NEGLIGENCE OF ANY OF THEM; INCLUDING ANY CLAIMS ARISING OUT OF THE WORKMEN'S COMPENSATION ACT OR ANY OTHER LAW, ORDINANCE, ORDER, OR DECREE. THE APPLICANT ALSO AGREES TO PAY ALL REASONABLE EXPENSES AND ATTORNEY'S FEES INCURRED BY OR IMPOSED ON THE STATE IN CONNECTION HERewith IN THE EVENT THAT THE APPLICANT SHALL DEFAULT UNDER THE PROVISIONS OF THIS PARAGRAPH.		
Signature of permit applicant		Printed name of permit applicant William Allen
Name of company organization City of Gary		Telephone number (219) 881-1310 Ext.
Address (number and street, city, state, ZIP code) 401 Broadway Detroit, IN 48202		
Inspector Guadalupe Gomez		
District Regulatory Supervisor Approved by the respective District Permit Manager		
District Director		

Application number
T0000204573

Road number
US 12 L.A./RW

County number
Lake

Expiration date
08/19/2026

Issue date
08/19/2025

Permit number
E25LMI0098



RIGHT OF WAY PERMIT

ADDITIONAL SPECIAL PROVISIONS

STATE OF INDIANA INDIANA DEPARTMENT OF TRANSPORTATION

Please notify your INDOT permit investigator 5 days prior to the start of the permitted work.
Lupe Gomez 219-939-3908 Ggomez@indot.IN.gov

Traffic Control: The permittee is responsible to install and maintain any necessary traffic control signs, barricades, and other traffic control devices needed to safely and clearly direct traffic through or around the work zone. Traffic control shall be done in accordance with the INDOT Work Zone Traffic Control Guidelines and the Indiana Manual on Uniform Traffic Control Devices (IMUTCD). Disruption to traffic shall be kept to a minimum. www.workzonesafety.in.gov
If there is any lane restriction or closure for more than a half an hour planned, you must notify your INDOT permit investigator 21 days in advance of the work to start.

The permittee for himself, his heirs, personal representatives, successors in interest, and assigns, as part of the consideration hereof, does hereby covenant and agree that in the event facilities are constructed, maintained, or otherwise operated on the said property described in this permit for a purpose for which a Department of Transportation program or activity is extended or for another purpose involving the provision of similar services or benefits, the permittee shall maintain and operate such facilities and services in compliance with all other requirements imposed pursuant to Title 49, code of Federal Regulations, Department of Transportation, Subtitle A, Office of the Secretary, Part 21, Nondiscrimination in Federally-assisted programs of the Department of Transportation – Effectuation of Title VI of the Civil Rights Act of 1964, and as said regulations may be amended. That in the event of breach of any of the above nondiscrimination covenants, Indiana Department of Transportation shall, have the right to terminate the permit and to re-enter and repossess said land and the facilities thereon, then hold the same as if said permit had never been made or issued.

Application number

T0000204573

Road number

US 12

County number

Lake

Expiration date

8/19/2026

Issue date

8/19/2025

Permit number

E25LM10098



INDIANA DEPARTMENT OF TRANSPORTATION

100 North Senate Avenue
Room N758
Indianapolis, Indiana 46204

PHONE: (855) 463-6848

Eric Holcomb, Governor
Michael Smith, Commissioner

GENERAL PROVISIONS MISCELLANEOUS PERMITS

PRE-WORK REQUIREMENTS

1. In accordance with the notice requirements of Indiana Code 4-21.5, any objection to the conditions and provisions of an approved permit must be submitted in writing to INDOT with fifteen (15) days from the issue date.
2. Permittee shall notify INDOT five (5) business days preceding the beginning of any work activity.
3. Permittee shall neither disturb nor manipulate any existing traffic control devices. Permittee shall contact the Signal Technician at the appropriate District Office listed below at least five (5) days prior to doing work in the right-of-way that will affect any existing traffic control devices. Any damages to a traffic control device shall be repaired immediately at Permittee's expense by an INDOT prequalified contractor.
4. All existing utilities and other underground facilities such as traffic signal appurtenances must be located prior to commencing excavation.
5. Approval of the permit application shall be subject to Permittee obtaining all necessary authorizations from federal, state, and local authorities and complying with all applicable laws, rules, and regulations. The issuance of the permit shall in no way imply INDOT approval of or be intended to influence any action pending before a federal, state, or local board, commission, or agency. Failure to comply may result in revocation of the permit.
6. All work on highway right-of-way authorized by this permit must be completed within one (1) year after the permit is issued. Once construction authorized by the permit is initiated it must be completed within one-hundred eighty (180) days, unless otherwise expressly approved as a special condition.
7. The permit is valid through the stated expiration date. If work is not completed within the allotted time, the permit is automatically cancelled unless an extension is requested prior to the expiration date and said request is approved by INDOT. If a permit is cancelled, a new application must be submitted and approved before the proposed work can be accomplished.
8. INDOT makes no representations, warranties, or assurances regarding the validity or enforceability of any public right-of-way or other land rights ascribed to INDOT. It is the permittee's responsibility to perform any and all research and investigation necessary to evaluate public right-of-way to be used by way of this permit, if applicable.



INDIANA DEPARTMENT OF TRANSPORTATION

100 North Senate Avenue
Room N758
Indianapolis, Indiana 46204

PHONE: (855) 463-6848

Eric Holcomb, Governor
Michael Smith, Commissioner

TRAFFIC AND SAFETY

9. Permittee shall erect and maintain all necessary signs, barricades, detour signs, and warning devices required to safely direct traffic over or around the part of the highway where permitted operations are to be done so long as the work does not interfere with traffic, in accordance with section "VI" of the Indiana Manual of Uniform Traffic Control Devices.
10. Permittee shall adhere to the Maintenance of Traffic plan during construction if such activities require lane closures or traffic restrictions.
11. Permittee shall adhere to traffic control measures found in the most recent version of the Indiana Manual on Uniform Traffic Control Devices, as currently adopted by INDOT.
12. Permittee shall construct and maintain the Site pursuant to INDOT's Standard Specifications to protect the highway's safety, structural integrity, and appearance. Permittee shall not cause unreasonable interference with highway use.
13. The permitted operation shall be allowed on state-owned or controlled right-of-way only between sunrise and sunset unless specifically allowed by an additional special provision to this permit. In accordance with 105 I.A.C. 7-1-26, no work may be performed at times associated with the following holidays:
 - a. New Year's Day
 - b. Memorial Day
 - c. Independence Day
 - d. Labor Day
 - e. Thanksgiving
 - f. Christmas

during the period beginning at 12:00 noon on the last weekday preceding the holiday and continuing until sunrise on the first weekday following the holiday.

QUALITY OF WORK

14. Permittee shall follow all guidelines, policies, and procedures in the Permit Manual.
15. Work shall be performed in accordance with the attached plans.
16. Permittee shall cause all work to be performed in a good and workmanlike manner.
17. All work described in the permit shall be subject to the inspection of INDOT and Permittee shall adjust or stop operations upon direction of any police officer or INDOT employee.
18. Permittee shall have the permit, complete with drawings and special provisions, in their possession during work operations and will show said permit, on demand, to any police officer or authorized INDOT employee.
19. The permitted operations shall not interfere with any existing structure on INDOT right-of-way without specific permission, in writing, from INDOT. If any buildings, railings, traffic control devices, or other structures are damaged, said cost of the removal and or damage shall be borne by Permittee.



INDIANA DEPARTMENT OF TRANSPORTATION

100 North Senate Avenue
Room N758
Indianapolis, Indiana 46204

PHONE: (855) 463-6848

Eric Holcomb, Governor
Michael Smith, Commissioner

20. Permittee shall at all times protect the pavement surface and right-of-way from damage due to the use of heavy equipment, and shall provide and use approved pads, planks, or dirt cushion to protect against other damage. Immediately before any section of the highway is to be placed back in used for traffic, Permittee shall remove all excess dirt and sweep pavement surface to eliminate unnecessary dust hazards.
21. Drainage on shoulders, ditches, or otherwise on the right-of-way shall not be obstructed. Appropriate control measures shall be followed to protect the right-of-way from erosion.
22. If at any time in the future, this installation should become damaged due to normal maintenance or roadwork by INDOT, Permittee shall be responsible for all repairs and cost of repairs that may arise from such damage.
23. Work within the sodded areas of the right-of-way shall not be performed during wet periods. Any damage to the sodded areas of the right-of-way must be repaired and properly seeded.
24. No trees or plants on the right-of-way of any interstate, federal highway, or state highway shall be trimmed or removed without written permission from INDOT.
25. Permittee itself and its heirs, personal representatives, successors in interest, and assigns, as part of the consideration hereof, does hereby covenant and agree that in the event facilities are constructed, maintained, or otherwise operated on the property described in this permit for a purpose for which a Department of Transportation program or activity is extended or for another purpose involving the provisions of similar services or benefits, Permittee shall maintain and operate such facilities and services in compliance with all other requirements imposed pursuant to Title 49, Code of Federal Regulations, Department of Transportation, Subtitle A, office of the Secretary, Part 21 Nondiscrimination in Federally-assisted programs of the Department of Transportation – Effectuation of Title VI of the Civil Rights Act of 1964, Title 23 Code of Federal Regulations, Part 200, Title VI Program and Related Statutes – Implementation and Review Procedures, and as said Regulations may be amended. That in the event of breach of any of the above nondiscrimination covenants, the Indiana Department of Transportation shall have the right to terminate the permit and to re-enter and repossess said land and the facilities thereon, and hold the same as if said permit had never been made or issued.

Permittee itself and its heirs, personal representatives, successors in interest, and assigns, as part of the consideration hereof, does hereby covenant and agree that (1) no person on the ground of race, color, national origin, sex, sexual orientation, gender identity, age, disability, religion, income status, or limited English proficiency shall be excluded from participation in, denied benefits of, or otherwise be subjected to discrimination in the use of said facilities, (2) that in the construction of any improvements on, over or under such land and the furnishing of services thereon, no person on the ground of race, color, national origin, sex, sexual orientation, gender identity, age, disability, religion, income status, or limited English proficiency shall be excluded from participation in, denied benefits of, or otherwise be subjected to discrimination, (3) that Permittee shall use the premises in compliance with all other requirements imposed by or pursuant to Title 49, Code of Federal Regulations, Department of Transportation, Subtitle A, office of the Secretary, Part 21 Nondiscrimination in Federally-assisted programs of the Department of Transportation – Effectuation of Title VI of the Civil Rights Act of 1964, Title 23 Code of Federal Regulations, Part 200, Title VI Program and Related Statutes – Implementation and Review Procedures, and as said Regulations may be amended. That in the event of breach of any of the above nondiscrimination covenants, the Indiana Department of Transportation shall have the right to terminate the permit and to re-enter and repossess said land and the facilities thereon and hold the same as if said permit had never been made or issued.



INDIANA DEPARTMENT OF TRANSPORTATION

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Room N758
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PHONE: (855) 463-6848

Eric Holcomb, Governor
Michael Smith, Commissioner

POST-WORK REQUIREMENTS

26. Permittee shall notify INDOT that the work is complete, and this notice is to be provided within seven (7) calendar days from completion of all work on this Permit.
27. Within seven (7) days after a new installation or repair to an existing installation is performed, all excess dirt or obstructions caused by the installation or repair must be removed and the area must be restored to a condition by Permittee so as not to interfere with mowing the highway right-of-way.

INDEMNIFICATION

28. Permittee agrees to indemnify, defend, save, and hold harmless the Indiana Department of Transportation (INDOT), the State of Indiana, and their officers, employees, agents, representatives, successors, and assigns from all claims (including costs and expenses of defending against such claims, including attorney fees) arising from any act or omission of Permittee or Permittee's agents, employees, or contractors relating to this Permit or breach of any provision of this Permit by Permittee or Permittee's agents, employees, or contractors. Indemnification shall not be limited by reason of any insurance coverage. Neither INDOT nor the State of Indiana shall provide indemnification to Permittee. Permittee understands and agrees that the obligations contained in this special provision shall survive expiration or termination of the Permit.

REVOCATION OF PERMIT

29. Failure to comply with the Permit Manual and the General Provisions of the Permit shall result in revocation of the Permit.

INDIANA DEPARTMENT OF TRANSPORTATION DISTRICT OFFICES

Crawfordsville District

41 W 300 North
Crawfordsville, IN 47933

Greenfield District

32 S Broadway
Greenfield, IN 46140

Seymour District

185 Agrico Lane
Seymour, IN 47274

Fort Wayne District

5333 Hatfield Road
Fort Wayne, IN 46808

LaPorte District

315 E Boyd Blvd
LaPorte, IN 46350

Vincennes District

3650 US 41 South
Vincennes, IN 47591

INDOT Transportation Services Phone Number: (855) 463-6848



DEMOLITION COMPLIANCE AGREEMENT

This agreement is entered into between Gary Storm Water Management Department (GSWMD) and the undersigned contractor for the demolition project located at:

The contractor agrees to comply with all applicable federal, state, and local laws and regulations governing storm water, environmental protection, and public safety as listed below.

- **Pollution Prevention:** The contractor shall implement appropriate Best Management Practices (BMPs) to prevent pollution of storm water systems, waterways, and public property.
- **Utility Disconnection:** All sewer and storm connections shall be properly capped before demolition begins. Required inspections must be completed and approved prior to the commencement of work. No unauthorized discharge into storm or sanitary systems is permitted.
- **Debris Control:** Debris shall be kept off public streets, sidewalks, and adjacent properties during demolition. Street must be cleaned as necessary throughout construction. Final cleanup shall ensure no debris remains in public rights-of-way. Track-out from the site onto public streets must be prevented.
- **Drain Protection:** All nearby storm drains must be protected prior to the start of demolition. Approved drain protection devices (filters, filter baskets, silt sacks, or equivalent BMPs) shall be installed and maintained. Drain protection shall remain in place for the duration of the project. No material shall be swept, washed, or blown into storm drains.
- **Dust and Debris Suppression:** Demolition debris shall be wetted as necessary to control dust. Water used for dust suppression shall not be allowed to enter storm drains. Airborne particulates must be minimized in accordance with applicable air quality standards.
- **Erosion and Sediment Control:** The Contractor shall:
 - Install and maintain erosion and sediment control measures around the project site, including silt fencing, sediment barriers, inlet protection, and stabilized construction entrances.
 - Prevent sediment from leaving the project site.
- **Spill Prevention and Hazardous Materials:** Fuel, oils, and chemicals must be properly stored with secondary containment. Spill kits shall be available on-site at all times. Any spill must be immediately contained and cleaned. Spills entering the storm system must be reported immediately to GSWMD and appropriate regulatory authorities. The contractor is responsible for all cleanup and remediation costs.

ADMINISTRATIVE OFFICE

3600 West 3rd Avenue, Gary, IN 46406
Tel: 219-944-0595 | Fax: 219-977-8318

CUSTOMER SERVICE OFFICE

504 Broadway, Suite 103, Gary, IN 46402
Tel: 219-883-1027 | Fax: 219-883-1029



- **Waste Disposal:** All demolition waste must be disposed of at approved facilities. No burning, burying, or illegal dumping is permitted. Hazardous or regulated materials must be handled in accordance with applicable regulations.
- **Inspections and Enforcement:** GSWMD reserves the right to inspect the project site at any time. Non-compliance may result in stop-work orders, fines, permit suspension, or additional corrective action.
- **Compliance with Laws and Permits:** The Contractor shall comply with:
 - All local ordinances and municipal codes.
 - State environmental regulations.
 - The Clean Water Act and applicable storm water provisions.

For further information or clarification regarding these requirements, contact:

Gary Storm Water Management District (GSWMD)
219-944-1211 ext. (1237)
ktun@garysan.gov

Contractor Acknowledgement:

I acknowledge that I have read, understand, and agree to comply with the above compliance requirements for demolition activities.

Contractor Signature:

Date:

Contractor / Company Name:



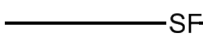
SESC Notes:

1. Total area of earth disturbance: 0.72 acres.
2. During a pre-construction site conference, the Contractor shall provide details of the construction site access and locations for material stockpiles.
3. Install perimeter silt fence and inlet protection at all existing drainage structures adjacent to Washington St., W. 6th Ave., and alley, and any drainage structure as directed by the Engineer prior to commencing site disturbance activities and/or earth changes.
4. Place top soil, seeding, mulch, and fertilizer over all disturbed areas in accordance with the 2026 Standard Specifications.
5. Place Silt Fence around the perimeter of all restored areas.

Legend



Inlet Protection



Silt Fence

RECOMMENDED
FOR APPROVAL

DESIGN ENGINEER

DATE

DESIGNED: TC

DRAWN: TC

CHECKED: XXX

CHECKED: XXX

NORTHWEST INDIANA
REGIONAL DEVELOPMENT AUTHORITY

SOIL EROSION AND SEDIMENT CONTROL PLAN
549-77 WASHINGTON STREET

HORIZONTAL SCALE

1" = 50'

VERTICAL SCALE

BRIDGE FILE

N.A.

DESIGNATION

N.A.

SURVEY BOOK

ELECTRONIC

CONTRACT

N.A.

SHEETS

1

of

1

PROJECT

XXXXXX



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

100 N. Senate Avenue • Indianapolis, IN 46204

Construction Stormwater Permit Summary Report – Sufficiency Letter

October 2, 2025

Permit #: **INRA16845**

Gary Commercial Blight Elimination Program

Lake County

SITE DETAILS:

Project Name: **Gary Commercial Blight Elimination Program - 549 Washington Street**

Physical Address: 549-77 Washington St Gary, IN 46402

Permit Status: **In Effect**

Permit Issued: **9/26/2025**

Latitude: 41.600795200000015

Permit Expiration: **9/25/2030**

Longitude: -87.3381783

MS4: City of Gary Owned

Location Description: 549-77 Washington Street , Gary, IN 46402

CONTACTS:

Project Site Owner (Permittee): Corrie Anne Sharp Phone: **219-343-4845**

Address: 401 Broadway STE 303 Gary, IN, 46402 Email: csharp@gary.gov

PROJECT DETAILS

Project Type: **Commercial Structure Demolition** Project County(s): Lake Lake

Site Ownership Type: **Municipality**

Total Project

Acreage: **0.72**

Proposed Land

Disturbance (acres): **0.72**

Estimated Impervious

Area (sq ft): **0**

Est Start Date: **12/1/2025**

Est End Date: **12/31/2026**

Discharge Type: **Surface Water**

Storm System:

Receiving Stream: **Grand Calumet River (3369)**

Waterbody 2:

This notice is acceptable to be posted at the project site to verify NPDES permit coverage. If the project is regulated by a Municipal Separate Storm Sewer System (MS4), you are required to post additional information as required by the MS4 that has jurisdiction (i.e. MS4 Permit, etc). NPDES permit coverage does not supersede local requirements that may be required to conduct activities associated with this project.

If the project is regulated by an MS4, direct inquiries to the local MS4.

If this project is outside an MS4 or owned/operated by an MS4, inquiries may be directed to the IDEM Stormwater Program at Stormwat@idem.IN.gov.

The Notice of Intent (NOI) submitted online is your certification that the project meets the requirements of the construction stormwater general permit (INRA00000). The NOI is submitted to obtain NPDES permit coverage for the proposed activities at the project site and does not constitute approval to conduct activities that are related to other local, state, or federal permits.

If information is not accurate it is the responsibility of the permittee to update the information. If it is determined that information is inaccurate or deficient you may be requested to address those items.

If the project is within a Municipal Separate Storm Sewer System (MS4) and regulated by the MS4, the Construction/Stormwater Pollution Prevention Plan (SWP3) review was completed by the MS4 or their representative and verification by the MS4 was part of the application submission. All MS4 stormwater approvals must be obtained prior to beginning land disturbance at the project site. Once construction begins, the MS4 has primary responsibility for compliance and enforcement of stormwater regulations within their local jurisdiction.

A National Pollutant Discharge Elimination System (NPDES) authorization number is assigned to each project for which an NOI has been submitted to obtain permit coverage. This number is used as a reference for the project and must be included with any future correspondence submitted to IDEM.

It is important that all activities associated with your project are in compliance with the requirements of the Construction Stormwater General Permit (CSGP) and where applicable all local MS4 ordinances/stormwater permits. In accordance with the CSGP, you are required, at a minimum to implement your SWP3, implement and maintain all stormwater management measures, monitor the effectiveness of the measures and take corrective actions until the project is complete and terminated. To maintain compliance, it may be necessary to modify the SWP3 as work progresses.

Upon completion of the project, you are required to terminate permit coverage. Criteria for termination eligibility can be found in Section 6.0 of the CSGP. If this project is permitted through an MS4, there may be local requirements/approvals that must be met prior to filing a notice of termination with IDEM. If an MS4 has adopted a requirement for termination, you are responsible to comply with all local provisions prior to submitting the Notice of Termination to IDEM. Failure to meet local MS4 requirements may constitute a violation of the local MS4 ordinance.

- **Construction Stormwater General Permit:** Accessed at <http://www.idem.IN.gov/2331.htm>
- **IDEM Regulatory ePortal:** Permittees are required to utilize this service to manage their IDEM Construction Stormwater General Permit activities (Renewals, Amendments, and Terminations). The service may be accessed at <https://stormwater.idem.in.gov>.

Questions regarding this notification may be directed to the program email account at Stormwat@idem.IN.gov.

Notice of Right to Administrative Review

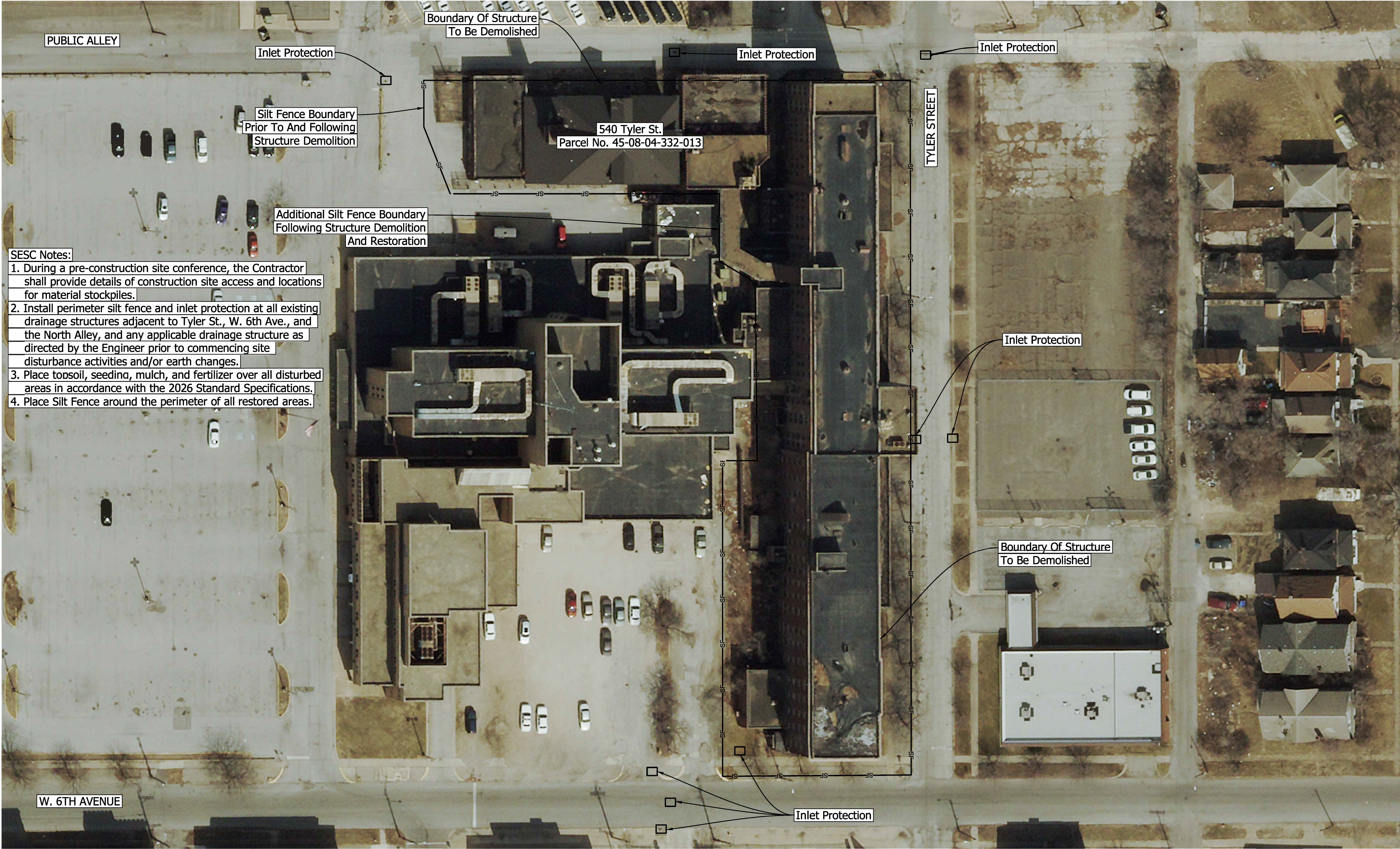
If you wish to challenge this authorization you must file a Petition for Administrative Review with the Office of Environmental Adjudication (OEA) within fifteen (15) days of the issuance of this notice (eighteen (18) days if you received this notice by U.S. Mail), and a copy must be served upon IDEM and all persons to whom the authorization is directed. The requirements for filing a Petition for Administrative Review are found in IC 4-21.5-3-7, IC 13-15-6-1, IC 13-15-6-2 and 315 IAC 1-3-2. Addresses for OEA and IDEM are:

Director
Office of Environmental Adjudication
Indiana Government Center North
Room N103
100 North Senate Avenue
Indianapolis, Indiana 46204

Commissioner
Indiana Department of Environmental Management
Indiana Government Center North
Room 1301
100 North Senate Avenue
Indianapolis, Indiana 46204

If you are entitled to notice under IC 4-21.5-3-5(b) and would like to obtain notices of any pre-hearing conferences, preliminary hearings, hearings, stays, or orders disposing of the review of this action without intervening in the proceeding you must submit a written request to OEA at the address above.

More information on the review process is available at the OEA website at <http://www.in.gov/oea> and the IDEM website at <https://www.in.gov/idem/legal/2329.htm>.



- SESC Notes:**
1. During a pre-construction site conference, the Contractor shall provide details of construction site access and locations for material stockpiles.
 2. Install perimeter silt fence and inlet protection at all existing drainage structures adjacent to Tyler St., W. 6th Ave., and the North Alley, and any applicable drainage structure as directed by the Engineer prior to commencing site disturbance activities and/or earth changes.
 3. Place topsoil, seeding, mulch, and fertilizer over all disturbed areas in accordance with the 2026 Standard Specifications.
 4. Place Silt Fence around the perimeter of all restored areas.

Legend

— SF — Silt Fence

□ Inlet Protection

DESIGN ENGINEER		DATE	
DESIGNED: EW		DRAWN: EW	
CHECKED: SR		CHECKED: SR	

NORTHWEST INDIANA REGIONAL DEVELOPMENT AUTHORITY	
SOIL EROSION AND SEDIMENT CONTROL PLAN	

HORIZONTAL SCALE	BRIDGE FILE	
VERTICAL SCALE	N.A.	
	DESIGNATION	
	N.A.	
SURVEY BOOK	SHEETS	
ELECTRONIC	1	of 1
CONTRACT	PROJECT	
N.A.	C240004	



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

100 N. Senate Avenue • Indianapolis, IN 46204

Construction Stormwater Permit Summary Report – Sufficiency Letter

February 17, 2026

Permit #: **INRA17429**

Gary Commercial Blight Elimination Program

Lake County

SITE DETAILS:

Project Name: **Gary Commercial Blight Elimination Program - 540 Tyler Street**

Physical Address: 540 TYLER ST GARY, IN 464021830

Permit Status: **In Effect**

Permit Issued: **2/2/2026**

Latitude: 41.595868

Permit Expiration: **2/1/2031**

Longitude: -87.336096

MS4: City of Gary Owned

Location Description: 540 TYLER ST , GARY, IN 46402-1830

CONTACTS:

Project Site Owner (Permittee): Corrie Anne Sharp Phone: **219-343-4845**

Address: 401 BROADWAY STE 303 GARY, IN, 464021253 Email: csharp@gary.gov

PROJECT DETAILS

Project Type: **Commercial Demolition**

Project County(s): Lake Lake

Site Ownership Type: **Municipality**

Total Project

Acreage: **1.53**

Proposed Land

Disturbance (acres): **1.53**

Estimated Impervious

Area (sq ft): **0**

Est Start Date: **3/2/2026**

Est End Date: **12/18/2026**

Discharge Type: **Surface Water**

Storm System:

Receiving Stream: **Grand Calumet River (3369)**

Waterbody 2:

This notice is acceptable to be posted at the project site to verify NPDES permit coverage. If the project is regulated by a Municipal Separate Storm Sewer System (MS4), you are required to post additional information as required by the MS4 that has jurisdiction (i.e. MS4 Permit, etc). NPDES permit coverage does not supersede local requirements that may be required to conduct activities associated with this project.

If the project is regulated by an MS4, direct inquiries to the local MS4.

If this project is outside an MS4 or owned/operated by an MS4, inquiries may be directed to the IDEM Stormwater Program at Stormwat@idem.IN.gov.

The Notice of Intent (NOI) submitted online is your certification that the project meets the requirements of the construction stormwater general permit (INRA00000). The NOI is submitted to obtain NPDES permit coverage for the proposed activities at the project site and does not constitute approval to conduct activities that are related to other local, state, or federal permits.

If information is not accurate it is the responsibility of the permittee to update the information. If it is determined that information is inaccurate or deficient you may be requested to address those items.

If the project is within a Municipal Separate Storm Sewer System (MS4) and regulated by the MS4, the Construction/Stormwater Pollution Prevention Plan (SWP3) review was completed by the MS4 or their representative and verification by the MS4 was part of the application submission. All MS4 stormwater approvals must be obtained prior to beginning land disturbance at the project site. Once construction begins, the MS4 has primary responsibility for compliance and enforcement of stormwater regulations within their local jurisdiction.

A National Pollutant Discharge Elimination System (NPDES) authorization number is assigned to each project for which an NOI has been submitted to obtain permit coverage. This number is used as a reference for the project and must be included with any future correspondence submitted to IDEM.

It is important that all activities associated with your project are in compliance with the requirements of the Construction Stormwater General Permit (CSGP) and where applicable all local MS4 ordinances/stormwater permits. In accordance with the CSGP, you are required, at a minimum to implement your SWP3, implement and maintain all stormwater management measures, monitor the effectiveness of the measures and take corrective actions until the project is complete and terminated. To maintain compliance, it may be necessary to modify the SWP3 as work progresses.

Upon completion of the project, you are required to terminate permit coverage. Criteria for termination eligibility can be found in Section 6.0 of the CSGP. If this project is permitted through an MS4, there may be local requirements/approvals that must be met prior to filing a notice of termination with IDEM. If an MS4 has adopted a requirement for termination, you are responsible to comply with all local provisions prior to submitting the Notice of Termination to IDEM. Failure to meet local MS4 requirements may constitute a violation of the local MS4 ordinance.

- **Construction Stormwater General Permit:** Accessed at <http://www.idem.IN.gov/2331.htm>
- **IDEM Regulatory ePortal:** Permittees are required to utilize this service to manage their IDEM Construction Stormwater General Permit activities (Renewals, Amendments, and Terminations). The service may be accessed at <https://stormwater.idem.in.gov>.

Questions regarding this notification may be directed to the program email account at Stormwat@idem.IN.gov.

Notice of Right to Administrative Review

If you wish to challenge this authorization you must file a Petition for Administrative Review with the Office of Environmental Adjudication (OEA) within fifteen (15) days of the issuance of this notice (eighteen (18) days if you received this notice by U.S. Mail), and a copy must be served upon IDEM and all persons to whom the authorization is directed. The requirements for filing a Petition for Administrative Review are found in IC 4-21.5-3-7, IC 13-15-6-1, IC 13-15-6-2 and 315 IAC 1-3-2. Addresses for OEA and IDEM are:

Director
Office of Environmental Adjudication
Indiana Government Center North
Room N103
100 North Senate Avenue
Indianapolis, Indiana 46204

Commissioner
Indiana Department of Environmental Management
Indiana Government Center North
Room 1301
100 North Senate Avenue
Indianapolis, Indiana 46204

If you are entitled to notice under IC 4-21.5-3-5(b) and would like to obtain notices of any pre-hearing conferences, preliminary hearings, hearings, stays, or orders disposing of the review of this action without intervening in the proceeding you must submit a written request to OEA at the address above.

More information on the review process is available at the OEA website at <http://www.in.gov/oea> and the IDEM website at <https://www.in.gov/idem/legal/2329.htm>.

NORTHWEST INDIANA
REGIONAL DEVELOPMENT AUTHORITY

SPECIAL PROVISION
FOR
COMMERCIAL BUILDING AND PROPERTY IMPROVEMENTS REMOVAL

1 of 5

a. Description. This work consists of all labor, materials, and equipment to remove all improvements including but not limited to commercial buildings and other structures, loading docks, refuse collection areas, gates, slabs, posts, flag poles, signs, yard lights, fences (including but not limited to wire mesh, wood, steel ornamental), parking bumpers, steps, planters, poles, sprinkler systems, all trees and shrubs, trash or brush piles, decks or patios, all concrete walkways leading off the sidewalk, footings, rubble and debris or other appurtenant items from the parcel listed in the Project Log unless otherwise specified in the contract.

Complete this work according to the Standard Specifications, this special provision, the Special Provision for Hazardous and Regulated Materials Removal and Disposal, and as directed by the Engineer. Conform to all local ordinances, rules and regulations, zoning restrictions for building demolition or removal, and all required State of Indiana permits. Leave all parcels in a safe condition with no holes or depressions. Recycle or dispose of all hazardous materials, universal waste and debris in accordance with 104.05 and 104.06 of the Standard Specifications, 40 CFR 61 Subpart M, 40 CFR Part 273, and other applicable federal, state and local laws.

b. Materials. Use B borrow backfill as defined in the Standard Specifications where backfill is required. Backfill material shall be obtained from an INDOT CAPP approved source. All concrete used for bulkheading utilities shall conform to INDOT Class A requirements. Provide topsoil, seed, fertilizer, and mulch blanket materials that meet the requirements of Standard Specification section 914. All materials must be in accordance with the Standard Specifications.

c. Construction. Storing equipment and materials on adjacent property is prohibited without written approval of the Engineer. Plan and perform work to avoid damage to adjacent structures, utilities, and existing features to remain.

Submit INDOT Form IC 203 to the Engineer for approval a minimum of 14 days prior to the removal of any material from the jobsite.

1. **Protection of Excavations.** Protect open excavations in accordance with 107.14 of the Standard Specifications, if they cannot be backfilled immediately. Place and compact all backfill according to 203.23 of the Standard Specifications. Excavations must be inspected by the Engineer prior to being backfilled and according to the requirements in any issued permits.

2. **Underground Storage Tank Removal.** If encountered during execution of the work, remove any underground heating oil storage tank or other underground storage tank in

accordance with 202.08. This applies to all tanks whether the location is known or unknown, unless otherwise stated in the Project Log.

3. Clear parcels as indicated by the following code opposite each item in the Detailed Item Descriptions list in the Project Log included in the contract. Contact the Engineer to inspect all basements prior to backfilling.

A. Sub Ground Level (SGL). Remove basement walls, basement floors and all masonry to the basement floor level, unless otherwise stated in the Project Log. Bulkhead all floor drains, sumps, pits or other penetrations in the slab prior to removing the basement floor in accordance with 202.06 of the Standard Specifications. Remove all debris from the parcel, place backfill and grade to ground level.

B. No Basement (NB). Remove walls, slabs and footings. Remove all debris from the parcel, place backfill and grade to ground level. Bulkhead all floor drains, sumps, pits or other penetrations in the slab prior to removing the slab in accordance with 202.06 of the Standard Specifications.

C. Basement Left In Place (BLIP). Remove all basement walls to 1 foot below the adjacent ground level. Place holes that are at least 3 inches in diameter across the entire basement slab in a grid that is a maximum of 10 foot by 10 foot to facilitate drainage, unless other methods are approved by the Engineer. Bulkhead all floor drains, sumps, pits or other penetrations in the basement floor prior to any work on the basement slab in accordance with 202.06 of the Standard Specifications. Remove all debris from the parcel, place backfill and grade to ground level.

4. Landscape Materials. Take possession and dispose of all trees, shrubbery and other landscape materials that must be removed to accommodate the demolition of buildings.

5. Site Restoration. Furnish and place topsoil, seed, fertilizer and mulch blanket according to section 914 of the Standard Specifications. All topsoil shall be free of debris and placed in accordance with 621.03 of the Standard Specifications. Remove and replace sidewalk damaged by the work in accordance with 202.05 and 604.03 of the Standard Specifications. If a curb ramp is damaged it shall be replaced using the most recent ADA standards for curb ramp design and construction.

6. Temporary Fence. When placement of temporary fence is required for a parcel, conform to 107.14 of the Standard Specifications, unless a chain link fence is specified as the temporary fence in the Project Log. When chain link fence is required, conform to subsection 910.18(b) of the Standard Specifications.

7. Upon completion of all demolition work and backfilling, the site must be final graded to be free draining as approved by the Engineer.

8. Utilities. All utility disconnects, except sanitary sewers, will be disconnected by others through coordination by the Engineer. The Engineer will provide verification after the utilities, except sanitary sewers, are disconnected. For basements not left in place, cap all sanitary sewers at the right-of-way line or as directed by the Engineer according to subsection 720.05 of

the Standard Specifications. Gary Sanitary District (GSD) personnel must be present to inspect capping of all sanitary sewer lines. Notify the Engineer a minimum of 24-hours prior to capping of sanitary lines to schedule GSD inspection.

9. Demolition Methods. Keep all building components and debris thoroughly wet during all phases of demolition and debris removal to prevent the release of particulates into the air and to minimize the spread of lead-containing dust, including the application of water during knockdown and load-out.

Procure a consistent water source for the duration of demolition activities. Upon completion of the work, remove all temporary water lines installed. Wetting may include the use of lifting device equipment to ensure proper wetting of higher elevation surfaces prior to and during demolition and/or in cases when the structure is unsafe to enter prior to demolition. Water must be applied directly to the point of impact to maximize dust control. Direct water, use misting nozzles, and utilize erosion control measures to prevent erosion or displacement of soils and discharge of soil-bearing water runoff or settled airborne dust onto adjacent properties, drives and walkways. Do not create hazardous or objectionable conditions, such as ice, flooding, and pollution, when using water.

Use all means necessary to control dust on and near the work and on and near all off-site borrow areas if such dust is caused by the Contractor's operations during performance of the work or if it results from the condition in which the Contractor leaves the site. Use water mist, temporary enclosures, and other suitable methods to prevent the spread of dust and dirt during all demolition activities. During high wind weather conditions (above 25 miles per hour (mph)), limit work activities to those that do not generate fugitive dust and avoid or minimize knockdown and earthwork activities.

The frequency of applying water may be reduced if precipitation events occur or if soil is frozen or snow conditions are present, providing that excess fugitive emissions and dust are not observed. During demolition activities in temperatures below freezing, utilize a mixture of water and/or other suppressant agents approved by the Engineer prior to use. Alternative dust suppressant agents and procedures for their application must be in compliance with the Indiana Department of Environmental Management (IDEM) guidelines.

If a complaint is received by the Engineer, the public or any of the Contractor's staff concerning fugitive dust emissions, the process causing the concern must be halted immediately until the issue is investigated by the Engineer and the Contractor, and a satisfactory resolution can be implemented at no additional cost to the contract.

If the Project Log indicates the commercial structure has been deemed emergency Ordered Demolition per Indiana Code I.C. 36-7-9-9, and Gary City Ordinance 105-724 through 105-728, the Engineer may not perform a Hazardous and Regulated Materials survey. For these structures, treat all materials as asbestos containing materials and transport and dispose of all debris and materials removed at a non-municipal solid waste landfill (Non-MSWLF) with a Variable Source Asbestos Approval or a municipal solid waste landfill if the waste is managed in accordance with [326 IAC 14-10](#) and [329 IAC 10-8.2-4](#), in accordance with all applicable federal, state and local requirements. To the extent practical, identify, characterize, manage, handle,

segregate, contain, remove and dispose of any encountered hazardous materials from the structure to avoid causing a release to the environment.

10. Environmental General Measures. Prior to beginning work on a parcel, meet with the Engineer to review the site and review the available environmental information.

Prior to beginning work on a parcel, develop and provide the Engineer with a Health and Safety Plan (Plan) for each parcel that addresses avoiding exposure to lead. Include the applicable personal protective equipment (PPE) workers must wear. The Plan must require a negative exposure assessment for lead and/or require the appropriate personal protective equipment, when necessary, including but not limited to steel-toed boots, long pants, gloves, safety glasses and a respirator. Provide the Plan to the Engineer for approval. The Engineer will provide comments that must be incorporated into the Plan or will approve the Plan within 7 calendar days. Any additional costs associated with the handling, avoidance, removal and/or disposal of lead materials is included in the item, Building and Property Improvements Removal, Commercial, Site (No.) pay item. The Health and Safety Plan is expected to be updated at no additional cost to the contract when additional information is provided to the Contractor.

Implement soil erosion and sedimentation control (SESC) measures as specified in the Project Log and as directed by the Engineer. All SESC measures shall be inspected and maintained by the contractor and replaced should they become damaged. Any water pumped from the jobsite shall be discharged through a filter bag. If the contractor is not in compliance with the erosion control plan, work will be suspended until all erosion control measures are compliant.

Lead based paint may exist in some of the structures, lead contamination may be present in soil, and heating oil or fuel underground storage tanks may be present. The Engineer may perform additional environmental testing and develop a Due Care Plan with additional measures to be implemented. Stage work as indicated in the Project Log to allow the Engineer to perform additional environmental testing.

Provide a competent person and Supervisor in conformance with the hazardous waste management standards 40 CFR Parts 260-270, and 273. This person must be on site or readily accessible during all work activities to ensure workers have the appropriate level of PPE and hazard awareness training.

Following each phase of demolition or construction, install and maintain a suitable ground cover in areas where soils are exposed from demolition or construction activities to restrict human exposure to potentially contaminated soil. Topsoil used for turf establishment during site restoration is deemed acceptable suitable ground cover.

Unless otherwise authorized by the Engineer, restrict access to site during all demolition activities.

Soil and debris disturbed or encountered during construction activities will be treated as contaminated in the absence of sampling data that proves otherwise. The Contractor must follow the Indiana Code IC 13-11-2-99 for the relocation of contaminated soil, to manage waste and contaminated soil onsite. Do not remove soil from the site unless it is necessary. If soil is

to be moved off-site it will be properly characterized and managed for disposal at a licensed facility if necessary.

Contact the Engineer within 15 minutes if potential contamination or potentially hazardous materials are encountered.

Contact the Engineer within 15 minutes of encountering an unknown underground storage tank. The Engineer will assess whether a release has occurred and facilitate registration, removal and disposal of the underground storage tank.

If buried demolition debris is encountered during work, immediately notify the Engineer. Provide a competent person onsite and handle all debris and waste as contaminated with friable asbestos and/or containing friable asbestos, unless proven otherwise. Unless the buried demolition debris is noted in the Project Log, the proper removal and disposal of the material will be considered extra work to the Contract.

Document the preventative measures implemented on each parcel and provide all documentation to the Engineer.

11. Documentation. Provide the Engineer with all documentation associated with disposal of removed improvements upon completion of the work or as the project progresses. Provide the Engineer with all documentation associated with backfill materials, restoration materials, and all other permanent materials incorporated into the project.

d. Measurement and Payment. The completed work, as described, will be measured and paid for at the contract unit price using the following pay item:

Pay Item	Pay Unit
Building and Property Improvements Removal, Commercial, Site (No.)	Lump Sum

Information pertaining to each parcel is provided in the Project Log.

Building and Property Improvements Removal, Commercial, Site (No.) includes all labor, equipment, and materials to complete the removal of the structure(s) as indicated by code SGL, NB or BLIP, proper demolition and removal of burned or collapsed structures, all backfill, final site grading, site restoration, temporary fencing, compliance with all local ordinances and zoning restrictions, compliance with all requirements in State and locally issued permits, and other applicable work described in the Project Log.

Payment will not be made for this item of work until the structure(s) and appurtenant features have been demolished and disposed, the parcel is backfilled and restored, and all required documentation has been submitted to and reviewed and approved by the Engineer.

NORTHWEST INDIANA
REGIONAL DEVELOPMENT AUTHORITY

SPECIAL PROVISION
FOR
HAZARDOUS AND REGULATED MATERIALS REMOVAL AND DISPOSAL

1 of 4

a. Description. This work consists of all labor, materials, and equipment to remove and dispose of all regulated asbestos containing materials (RACM) and other regulated materials (ORM) prior to the demolition of buildings, structures, and other improvements. Ensure that all activities are conducted in compliance with applicable federal, state and local laws and regulations. Submit the required notifications to regulatory agencies and revise these notifications, as necessary. Reimburse the Northwest Indiana Regional Development Authority (RDA) for any fines or remediation costs incurred as a result of failure to be in compliance with this Special Provision, contract terms and conditions, and/or all federal, state and local laws and regulations.

b. Notification. Demolition of any building or structure requires notification to the Indiana Department of Environmental Management (IDEM), regardless of the presence or absence of RACM. Complete a separate Notification of Demolition and Renovation Operations (State Form 44593) in accordance with 326 IAC 14-10-3(b) for each building or structure. Refer to the applicable Hazardous and Regulated Materials (HRM) Survey Report prepared for specific information needed to complete State Form 44593. Sign the form as owner/operator and submit to the address specified on the notification form a minimum of 10 working days prior to the start date of asbestos stripping/removal procedures or demolition start date specified in the notification.

IDEM will assess demolition fees quarterly to the owner/operator submitting the notification during the previous quarter in accordance with 326 IAC 14-10-5. Section 5 describes the fee structure applied by IDEM, which is based on the amount of friable asbestos to be removed.

If the amount of RACM to be removed, stripped or disturbed changes by 20 percent or more of the amount noted on the original notification, prepare and submit a revised notification form. Send the revised form to IDEM and to the Engineer. Show all changes by carefully crossing out the original data and legibly adding the revised data. The revised form must be delivered at least two working days or postmarked at least five working days prior to the start date of the asbestos stripping/removal, or the demolition start date specified on the revised form.

c. Asbestos Removal and Disposal. Prior to demolition of a building or structure, remove all RACM. Ensure this work is completed by a licensed asbestos abatement contractor. Ensure the appropriate field staff are present at the time of any asbestos removal, stripping or disturbance. The Contractor or subcontractor performing the abatement must be a licensed asbestos contractor in the State of Indiana. Only asbestos removal contractors, project supervisors, and workers accredited in the State of Indiana may perform removal of RACM. All personnel must carry their credential and be current with refresher training.

Develop a detailed abatement plan (Plan) for each Site that is designed by a Project Designer accredited in the State of Indiana. Submit the Plan to the Engineer for review and approval a minimum of 14 calendar days prior to mobilizing to each Site. The Engineer will have 7 calendar days to review the Plan and provide comments for revisions required to obtain approval. The plan should state how work will comply with federal, state, and local regulations and address and shall include, but is not limited to the following components:

1. sealing the exterior building envelope
2. worker protection (e.g., PPE, air monitoring, use of appropriate equipment)
3. RACM removal methods
4. any nonfriable ACM that will remain in the structure and a description of demolition techniques that will ensure the ACM is not rendered friable and made RACM through demolition activities
5. clearance testing
6. maintenance of record keeping for work activities completed each day; vi) final cleanup procedures
7. waste handling (i.e., waste transport, final disposition of waste RACM, and managing waste shipment records [WSR]).

Do not begin asbestos stripping/removal activities without written Notice to Proceed from the Engineer.

RACM must be kept adequately wet during stripping/removal. There are two situations for which the requirement for adequately wetting the material does not apply.

1. The temperature at the point of wetting is below 32 degrees Fahrenheit. Record the temperature at the beginning, middle and end of each work period. Provide a signed copy of the temperature records to the Engineer for the project file at the end of each day of abatement activity. Keep daily temperature records available for inspection by IDEM at the demolition or renovation site and retain the temperature records for at least two (2) years.
2. Renovation operations where wetting would unavoidably damage equipment or present a safety hazard. For these operations, submit a request in writing for a waiver for not wetting the RACM to the IDEM, Office of Air Quality.

If situations 1. or 2. are deemed applicable, implement one or more of the following emission control methods:

- a. A local exhaust ventilation and collection system designed and operated to capture the particulate asbestos material produced by the stripping and removal of the asbestos materials. The system must exhibit no visible emissions to the outside air and be designed and operated in accordance with the requirements in 40 CFR 61.152.
- b. A glove bag system designed and operated to contain the particulate asbestos material produced by the stripping of the asbestos materials.
- c. Leak-tight wrapping to contain all RACM prior to removal.

Conduct all asbestos stripping/removal work in accordance with the 29 CFR 1926.1101 OSHA Asbestos in Construction Standard; the Asbestos NESHAP and IAC 326; applicable portions of AHERA/AHARA; RCRA and IC 13 Title 13 – Environmental for disposal of construction and demolition waste and asbestos waste; and applicable DOT and INDOT IC 13-11-2-207 regulations for transporting waste, including placarding of vehicles.

d. Other Regulated Materials Removal and Disposal. Prior to demolition of a building or structure, remove and dispose of all ORM identified in the HRM Survey Report or otherwise discovered in connection to the structure. Remove and dispose of ORM in accordance with all applicable local, state, and federal regulations all hazardous and regulated materials. ORM include:

1. Refrigerants and related chemicals (40 CFR 82 Subpart F);
2. Solid wastes which exhibit any of the characteristics of ignitability, corrosivity, reactivity, or toxicity (40 CFR 261.20 – 261.24 – Hazardous Waste Characteristics Regulations);
3. Hazardous wastes (40 CFR 261.31, 261.32) and discarded commercial chemical products (40 CFR 261.33& Part 111, Public Act 451 of 1994, as amended);
4. Universal wastes, including batteries, pesticides, mercury-containing products, lamps, aerosol cans and certain household wastes (40 CFR 273 and 329 IAC 3.1-16);
5. PCB-containing products (40 CFR 761 and 329 IAC 4.1);
6. Used oil (329 IAC 13)
7. Scrap tires (IC 13-20-14-4);
8. Medical or Infectious Wastes (IC 16-41-16 and 410 IAC 1-3-22);
9. Electronic Waste (IC 13-20.5)

The Contractor must document removal of all ORM using the appropriate waste shipping document (i.e., hazardous, non-hazardous waste manifest) to track and substantiate transport and final disposition of the waste at a licensed disposal facility.

e. Waste Shipment and Disposal. Properly package and label all RACM as special waste prior to disposal. Arrange for a licensed waste transporter to transport all waste RACM immediately and directly to a non-municipal solid waste landfill (Non-MSWLF) with a Variable Source Asbestos Approval or a municipal solid waste landfill if the waste is managed in accordance with [326 IAC 14-10](#) and [329 IAC 10-8.2-4](#).

The following labels must be attached to the packaging: generator/operator label transporter label:

DOT marking stating – **R.Q. Asbestos NA2212**

OSHA label stating – **DANGER CONTAINS ASBESTOS FIBERS AVOID CREATING DUST CANCER AND LUNG DISEASE HAZARD**

Provide a Waste Shipment Record (WSR) for each load of waste RACM. Fill out and sign the generator section of the WSR for the disposal of waste RACM. Provide a copy of the form to the Engineer immediately after signing. After the owner/operator of the disposal site signs the form, immediately provide a copy to the Engineer.

Containerize universal wastes in accordance with 40 CFR 273.14 – Labeling/markings to identify the type of universal waste in the container. Universal waste transporters must meet the requirements of 40 CFR part 273 subpart D (Universal Waste Transporters). Hazardous waste transporters must meet the requirements of 40 CFR part 263 (Hazardous Waste Transporters).

Transport all regulated waste directly from the Project Site to a licensed disposal facility. Interim storage of waste materials at an offsite location is not permitted.

f. Measurement and Payment. The completed work, as described herein, will be measured and paid for at the contract unit price using the following pay item.

Pay Item	Pay Unit
Hazardous and Regulated Materials Removal and Disposal, Site (No.).....	Lump Sum

Hazardous and Regulated Materials Removal and Disposal, Site (No.) includes all labor, equipment, and materials to complete the removal, transport, and disposal of all hazardous and regulated materials, submittal and maintenance of all required permits and notifications, generating and providing all required documentation, compliance with all applicable federal, state, and local laws and regulations, and other applicable work described in the Project Log.

Payment will not be made for this item of work until all hazardous and regulated materials have been fully removed and disposed, and all required documentation has been submitted to and reviewed and approved by the Engineer.

NORTHWEST INDIANA
REGIONAL DEVELOPMENT AUTHORITY

SPECIAL PROVISION
FOR
DEWATERING

1 of 2

a. Description. This work consists of all labor, materials, and equipment to dewater subsurface structures (e.g., basements), and significant depressions that collect or contain standing water, prior to and/or during demolition of buildings, structures, and other improvements.

Accumulated water in subsurface structures and/or significant depressions is assumed to contain asbestos fibers and must be treated prior to discharge into the public sewer system. This assumption applies to accumulated water encountered during a standard demolition, where structures have been abated of hazardous and regulated materials (including asbestos containing materials (ACM)) prior to the start of demolition. In the case of an ordered demolition, existing accumulated water and water generated during wet demolition methods is also assumed to contain asbestos fibers.

b. Dewatering and Treatment or Disposal. Perform all dewatering using one of the following methods:

1. Directly filter accumulated water onsite prior to discharging to the Gary Sanitary District (GSD) sewer system by using filters/media that removes particles larger than 5 microns (>5 microns). Remove and dispose of all used filtering media as asbestos waste in accordance with 40 CFR Section 61.160 and all other applicable local, state, and federal regulations. Provide all filtration, discharge and filtering media disposal documentation to the Engineer.
2. Pump and arrange for a licensed waste transporter to transport wastewater to a treatment and/or disposal facility licensed to accept asbestos waste. Transport water to a wastewater treatment facility under non-hazardous waste manifest or other waste shipment record (WSR) to properly document the generating facility, description of waste transported, volume of waste transported, licensed waste hauler ID, licensed disposal facility ID, and confirmation of delivery of waste to the disposal facility. Remove and dispose of wastewater in accordance with all applicable local, state, and federal regulations, including Appendix D to Subpart E of Part 763 – Transport and Disposal of Asbestos Waste. Provide all waste stream and disposal documentation to the Engineer.

Prior to dewatering, develop a detailed dewatering plan (Plan) and submit the Plan to the Engineer for review and approval a minimum of 14 calendar days prior to mobilizing to each Site. The Engineer will have 7 calendar days to review the Plan and provide comments for revisions required to obtain approval. The Plan must state how work will comply with federal, state, and local regulations and shall include, but is not limited to the following components:

1. Description of selected alternative for disposition of dewatering water (e.g., direct filtering or transport for offsite disposal).
2. Dewatering methods (depending on selected alternative) to include:
 - a. Specifications of pumps, filters/filter media, and other equipment/materials; system set-up/operation details; estimated pump rates and timing duration(s) to complete dewatering activities.
 - b. Description of how discharge will meet filtration requirements prior to discharge.
 - c. Waste transporter information and license.
 - d. Disposal facility information and license.
3. Worker protection (e.g., PPE, air monitoring, use of appropriate equipment).
4. Maintenance of record keeping for work activities completed each day.
5. Permitting (GSWMD Stormwater Discharge Permit)
6. Managing waste shipment records.

Do not begin dewatering without written Notice to Proceed from the Engineer.

c. Notification. Provide notice to the Engineer if electing to directly filter and discharge water to the GSD sewer system. Notice shall be provided a minimum of 7 calendar days prior to the start of dewatering operations.

d. Measurement and Payment. All work outlined herein is considered incidental to other contract pay items and will not be paid for separately.