



Board of Public Works & Safety and Stormwater Board

Regular Meeting Agenda

2:00 p.m. June 22, 2020

Goshen Police & Court Building, 111 East Jefferson Street, Goshen, Indiana

Due to COVID-19 and social distancing regulations, there is very limited seating for the general public in the meeting chambers. Petitioners with items on the agenda are given first priority for seating.

To access online streaming of the meeting, go to <https://us02web.zoom.us/j/87960378708>

Call to Order by Mayor Jeremy Stutsman

Approval of Minutes – May 4

Changes to Agenda

HIRES / PROMOTIONS / RESIGNATIONS

- (1) Hiring of Justin T. Rayl as Probationary Patrol Officer
(Miller)

UNFINISHED BUSINESS

- (1) Tractical Fire Training Facility, JN: 2017-0017
(Sailor)



NEW BUSINESS

- (1) Main Street “Black Lives Matter” Mural Request
(Medellin)
- (2) Multi-Site Downtown Businesses Outdoor Seating Request
(Nesbitt)
- (3) Outdoor Seating Request – Blank Space, 109 E. Lincoln Ave.
(Wiebe)
- (4) Declared Emergency Paid Leave – List of Eligible Employees per Ordinance 5040
(Scharf)
- (5) Wastewater Treatment Plant Construction Trailer Internet Service Agreement
(JN: 2019-0025A)
(Sailor)
- (6) Eisenhower Dr. & Kercher Path Topographical Survey Agreement (JN: 2020-013)
(Sailor)
- (7) Douglas, Reynolds, 16th St. Geotechnical Services Agreement (JN: 2020-017)
(Sailor)
- (8) Interlocal Agreement: College Ave. & US HWY 33 Intersection Improvement
(JN: 2016-0021, INDOT DES. NO. 1383237)
(Sailor)

APPROVAL OF CLAIMS

Adjournment

MINUTES of Board of Public Works & Safety and Stormwater Board

The Board of Public Works and Safety and Stormwater Board of the City of Goshen met in the Council Chambers, 111 E. Jefferson St., on May 4, 2020, at 2:00 p.m. for their weekly Board meeting. Members of the Board present or absent as follows:

PRESENT: Mayor Jeremy Stutsman, Board Member Mike Landis, Board Member Mary Nichols

ABSENT:

Minutes of the meeting of March 23 and March 30, 2020, were presented. On motion of Board Member Landis and second by Board Member Nichols, the minutes were approved as presented.

ANNOUNCEMENT

Clerk Treasurer Adam Scharf read the following statement:

“We begin this meeting during a declared public health emergency covering all of the State of Indiana. Board members Landis and Nichols are participating in this meeting by electronic communication pursuant to Governor Holcomb’s Executive Orders 20-04 and 20-09, as well as guidance from Indiana Public Access Counsellor Luke Britt. Board member Mayor Jeremy Stutsman is physically present in City Council Chambers as we begin this meeting.”

AWARD BID - GOSHEN POLICE DEPARTMENT TACTICAL TRAINING FACILITY

Director of Public Works Dustin Sailor requested the Board approval to award the bid for the remodeling of the Goshen Police Department Tactical Training Facility to R. Yoder Construction. (JN:2018-0014). Memo included in packet.

Mayor commented that Public Safety LOIT fund has significant cash balance from which this will be paid, and that the close proximity training opportunities will be advantageous for Police Dept.

Board Member Landis asked if we should take additional bids for the project since this occurred only one bid was received. Mayor Stutsman explained that staff weighed the risk of receiving no bids or a higher bid. City wants to complete this project timely, which has already been pending for 2 ½ years. Clerk-Treasurer Scharf clarified that the provision providing for 120 days for final payment constitutes a small portion of total contract amount once draws are factored in.

Board Member Landis moved to approve the request to award the bid for the remodeling of the Goshen Police Department Tactical Training Facility to R. Yoder Construction in the amount of \$315,400.02. Second by Board Member Nichols and motion passed unanimously.

ROAD CLOSURE REQUEST- KERCHER ROAD RECONSTRUCTION (JN:2004-0021)

Director of Public Works Dustin Sailor requested Board approval for the continued road closure of Firethorne Drive and Sourwood Drive for the Kercher Road Reconstruction project (JN:2004-0021) Memo included in packet.

Board Member Landis moved to approve the continued closure of Firethorne Drive and Sourwood Drive starting April 30, 2020, until May 15, 2020. Second by Board Member Nichols and motion passed unanimously.

RESOLUTION 2020-16 APPROVE GOSHEN POLICE DEPARTMENT POLICIES

City Attorney Bodie Stegelmann summarized the policies and changes that were the result of collaboration between Legal and Police Departments. Mr. Stegelmann explained that the Lead Safety Program policy provides guidance for the safe maintenance and operation of the new shooting range. The change to the Response to Resistance policy is that a report for an incident must be prepared, finalized and submitted by the end of the officer's shift. The Code of Conduct is changed to remove requirement that officers wear a hat outside their vehicles as well as provisions related to violations of the Lead Safety Program policy.

Board Member Landis made a motion to approve and adopt Resolution 2020-16, approve Goshen Police Department Policies:04 (2020, 09 (2020) and 26 (2020). Second by Board Member Nichols and motion passed unanimously.

REQUEST TO APPROVE SEWER CHARGE RELIEF – 121 The Willows

Kent Holdren Goshen City Water Department Superintendent requested Board approval for the sewer relief request at 121 The Willows. Memo included in packet.

Mr. Holdren explained that too much time had passed since the leak, so staff was unable to determine with certainty. Based on conversation with customer and the on timing and repairs it is reasonable to believe water would not have entered the sewer. Landis asked whether the leak occurred for just a few days, which Holdren and Saenz confirmed.

Board Member Landis moved to approve the request for relief at 121 The Willows in the amount of \$552.58. Second by Board Member Nichols and motion passed unanimously.

REQUEST TO APPROVE SEWER CHARGE RELIEF – 808 N. 3rd St.

Kent Holdren Goshen City Water Department Superintendent requested Board approval for the sewer charge relief request at 808 N. 3rd St. Memo included in packet.

Mr. Holdren explained that a leak was indeed located under the porch, water did not enter into the sewer. Utilities Office Manager Kelly Saenz advised that there was not a smart meter at this location. Mayor Stutsman asked Ms. Saenz to notify the customer that a new meter needs to be installed.

Board Member Landis moved to approve the request for relief at 808 N. 3rd St. in the amount of \$2,437.56. Second by Board Member Nichols and motion passed unanimously.

REQUEST TO APPROVE SEWER CHARGE RELIEF – 1507 Harvest Dr.

Kent Holdren Goshen City Water Department Superintendent requested Board approval for the sewer relief request at 1507 Harvest Drive. Memo included in packet.

Mr. Holdren explained that an investigation was done, and due to the water loss occurring in February, there was no saturation visible at this point. The customer pointed out a faucet in the basement that had been leaking, which went to a sump pit and then discharged to a gravel bed outside of the home and did not enter the sewer.

Board Member Landis moved to approve the request for relief at 1507 Harvest Drive in the amount of \$19.72. Second by Board Member Nichols and motion passed unanimously.

REQUEST TO APPROVE REDUCED TRAILER FEES AND ROAD CLOSURE

Clerk Treasurer Adam Scharf presented requests for approval on behalf of Terri Wentz and the Historic Southside Neighborhood Association.

Mr. Scharf explained this was a two-part request. The first part was for reduced trailer fees for the weekend of June 6-7 and September 12-13. Trailer locations would be in the 700 block of S. 6th St., 500 block of S. 7th St. and 200 block of E. Monroe St. The second part of the request was for the closure of the 500 block of S. 7th St. for the annual neighborhood picnic. The block party would run from 4p.m - 8p.m. on Saturday, August 8th, 2020.

Board Member Landis made a motion to approve the request from the Historic Southside Neighborhood Association for the standard reduced rate of 50% of the trailer rental program for the weekends of June 6-7 and September 12-13. In addition the request to close 500 block of S. 7th St. from 2 p.m. -10 p.m. for the annual picnic is approved. This approval is with the understanding that due to COVID -19 pandemic this is subject to change and/or be withdrawn. All orders in place at these times by Governor Holcomb must be followed. Second by Board Member Nichols and motion passed unanimously.

STATEMENT TO PUBLIC BY MAYOR STUTSMAN

Mayor Stutsman addressed the public regarding the utilities. Due to the current state of affairs there are a large number of delinquent utility accounts. The utilities office will be offering payment plans, but due to growing concerns about large balances he wanted to address the issue. He encouraged city residents to continue paying what they can toward their utility bills. He also stated that NIPSCO would be working with customers as well.

There being no further business Mayor Stutsman moved to process claims and then to adjourn. Second by Board Member Landis and motion passed unanimously.

BOARD OF PUBLIC WORKS AND SAFETY AND STORMWATER BOARD:

MAYOR JEREMY STUTSMAN _____

BOARD MEMBER MICHAEL LANDIS _____

BOARD MEMBER MARY NICHOLS _____

ATTEST _____
CLERK-TREASURER ADAM SCHARF



Jose' D. Miller

Chief of Police

111 E Jefferson St
Goshen, Indiana 46528

TO: Goshen Board of Public Works & Safety
Mayor Jeremy Stutsman
Member Mike Landis
Member Mary Nichols

Date: June 22nd, 2020

From: Jose' Miller, Chief of Police

Reference: The hiring of Justin T. Rayl as a Probationary Patrol Officer.

I am requesting that the Board of Public Works and Safety approve the hiring of Justin T. Rayl for the position of probationary patrol officer. Justin has passed all exams and has been approved by both the local and State pension boards. Justin currently is a reservist serving in the U.S. Army. Justin also worked as a reserve officer for the town of Wakarusa until the conclusion of the application process here at Goshen. I would like this hiring to be effective today, June 22nd, 2020.

Justin will be present for the Board of Works Meeting.

A handwritten signature in black ink, appearing to be "Jose' Miller".

Jose' Miller #116

Chief of Police

Goshen City Police Department
111 E. Jefferson Street
Goshen, IN. 46528



**Engineering Department
CITY OF GOSHEN**

204 East Jefferson Street, Suite 1 • Goshen, IN 46528-3405

Phone (574) 534-2201 • Fax (574) 533-8626 • TDD (574) 534-3185
engineering@goshencity.com • www.goshenindiana.org

MEMORANDUM

TO: Goshen Board of Public Works & Safety

FROM: Goshen Engineering

RE: **TACTICAL FIRE TRAINING FACILITY (JN: 2017-0017)**

DATE: June 22, 2020

A final walk through was completed on Wednesday, June 10, 2020 with representatives from the Fire Department, Engineering Department, Ancon Construction, Inc. and American Fire Training Systems, Inc. The final punch list items were completed and the structure is recommended for acceptance as completed per the signed contract. The final contract amount is \$413,050.00, a \$17,200.00 increase over the original contract amount of \$395,930.00.

Original Contract Amount:	\$395,930.00
Change Order No. 1:	\$ 34,320.00
Change Order No. 2:	\$ 6,300.00
Change Order No. 3:	\$ 0.00
Change Order No. 4:	\$ -23,500.00
Final Contract Amount:	\$413,050.00

Requested Motion: The City acceptance of the tactical fire training structure constructed/installed by Ancon construction, Inc. with American Fire Training Systems, Inc. as the subcontractor and supplier of the structure.

Jeremy Stutsman, Mayor

Mary Nichols, Member

Michael Landis, Member

June 19, 2020

Dear Goshen Board of Public Works and Safety,

In allyship with the Black Lives Matter (BLM) movement, 4US maintains the community-wide goal of continued support for marginalized citizens within the Goshen City limits and beyond. 4US seeks approval from the Goshen Board of Public Works and Safety for the authorized street-painting on the downtown Goshen blocks of Washington and Main. In alliance with the BLM movement, the street painting will read as follows: "Black Lives Matter". We ask to be added to the Board of Public Works and Safety meeting agenda to be held on Monday, June 22nd, so that we can tell you more about this project.

The "Black Lives Matter" street painting initiative would include a call-out to community organizations to participate in showing unity with the 4US and BLM movements. Each organization will be given a letter to paint throughout an 8-10 hour period of time. Each letter will stand 20' high and will cover two city blocks on Main Street. The water-based street paint, stencils, and other supplies costs will be covered by an anonymous donor.

This public demonstration of unity will not only support the thriving Goshen arts community but will bring together all corners of our city to bolster support for marginalized groups both here and around the nation as a greater whole. In this time of uncertainty, we are reminded of the importance of community in all meanings of the word. This mural is but the first step towards greater change that will continue the momentum of our work toward equality as a nation.

The town of Goshen may be small but its commitment to justice, equity, compassion, and community reaches far beyond that of your typical small town. In 2015 the City of Goshen became the first to pass a town resolution recognizing its history as a Sundown Town. Now, we ask to be at the forefront of change once again and to align our support with that of other U.S. cities such as Washington D.C., Raleigh, San Francisco, and that which is soon to come in Kalamazoo. The scope of this initiative reaches far beyond our region, so please help us work toward our goal of equality for all by putting us on the agenda for Monday's meeting so that you can learn more about this mural project.

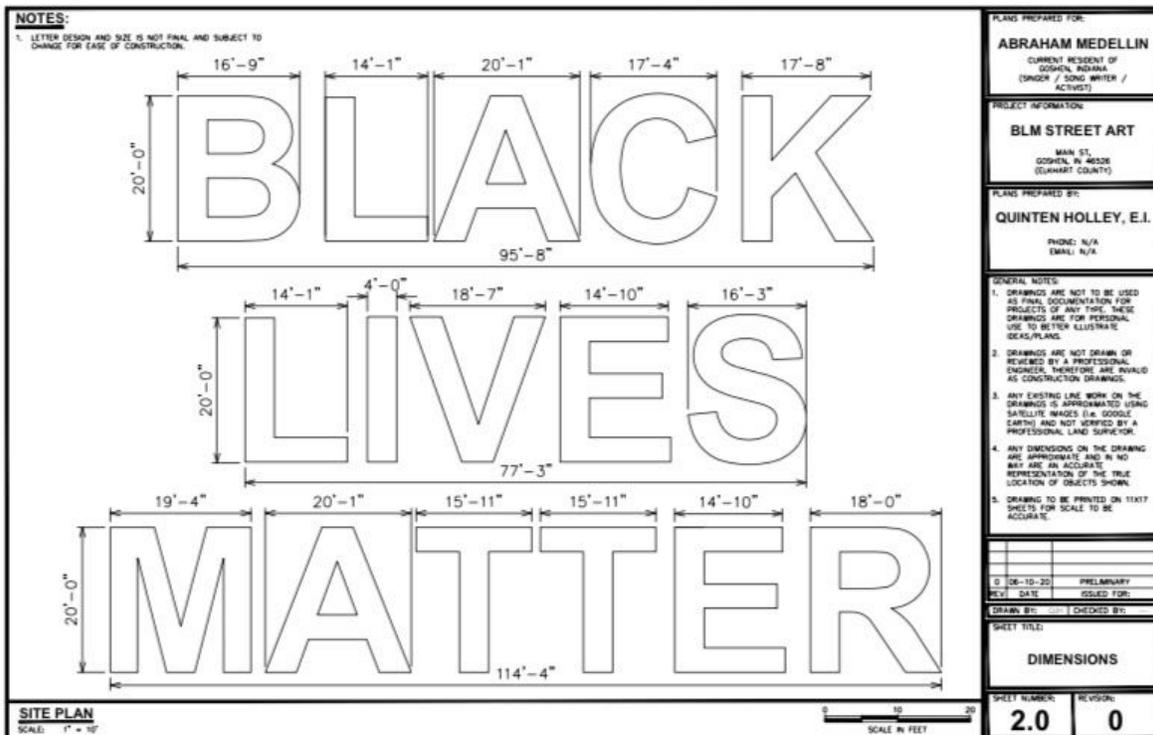
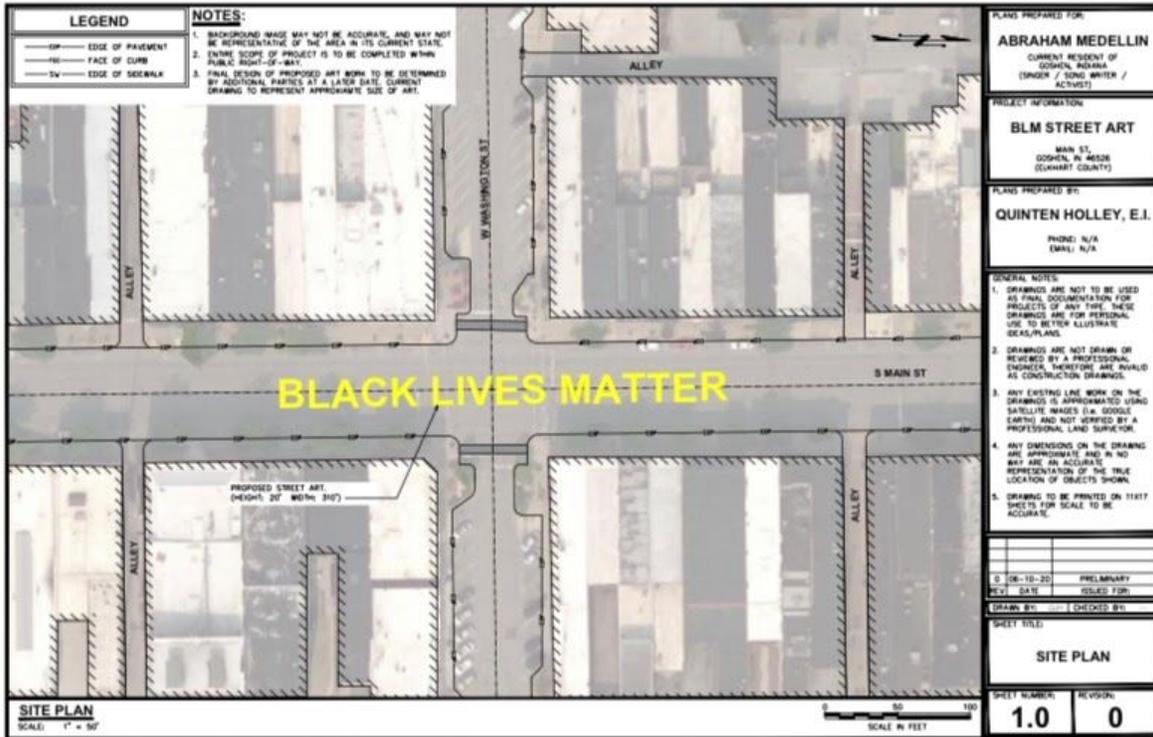
Thank you for your time and consideration.

Sincerely,
4US

Abraham Medallin

Aidan Friesen

Riley Mills



From: Adrienne Nesbitt <adrienne@eyedart.com>

Sent: Tuesday, June 16, 2020 3:02 PM

To: Switchboard <switchboard@goshencity.com>; mayor <mayor@goshencity.com>; Stutsman, Jeremy <jeremystutsman@goshencity.com>; Gibbs, David <davidgibbs@goshencity.com>

Subject: Board of Works Request

Hello-

I am making a request on behalf of many downtown businesses, specifically the restaurants, to extend their seating outdoors to help support the businesses during this time of Coronavirus. I've attached a map with our rough request. We would like to present at the June 22nd meeting. We've asked the businesses to talk to their neighbors about their expansions as well.

Businesses Included:

Elephant Bar: 227 S Main St

Constant Spring: 219 S Main St

The Nut Shoppe: 204 S Main St

The Electric Brew: 118 E Washington St

Venturi Pizzeria: 123 E Lincoln Ave

Common Spirits: 111 E Lincoln Ave

Shirley's Gourmet Popcorn: 106 N Main St

Olympia Candy Kitchen: 136 N Main St

--

ADRIENNE NESBITT

She/Her

Director of Events, **Eyedart** Creative Studio

324 S Fifth St

Goshen, Indiana 46528

(574) 238-5572 (mobile)

eyedart.com

Clinton St.

Olympia Candy Kitchen
136 N. Main

9'x21'



N. Main St.

Shirley's Gourmet Popcorn
106 N Main St

9'x21'

Common Spirits
111 E. Lincoln

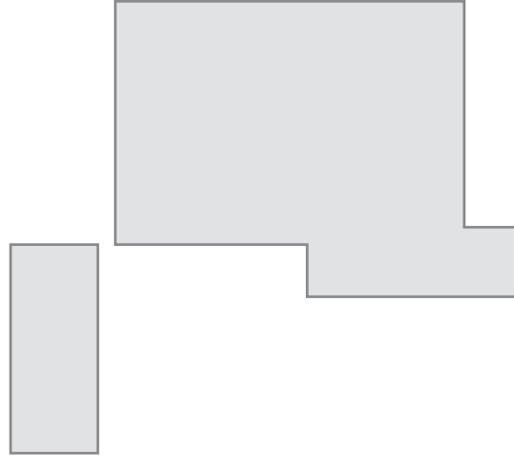
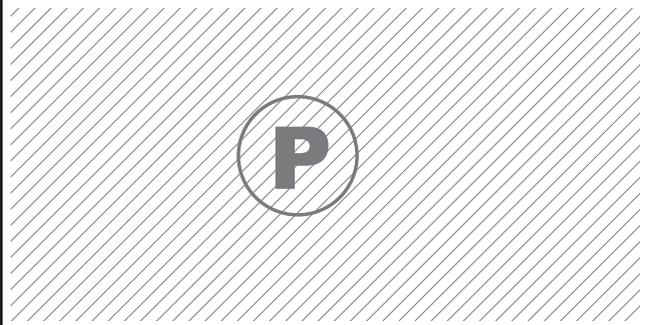
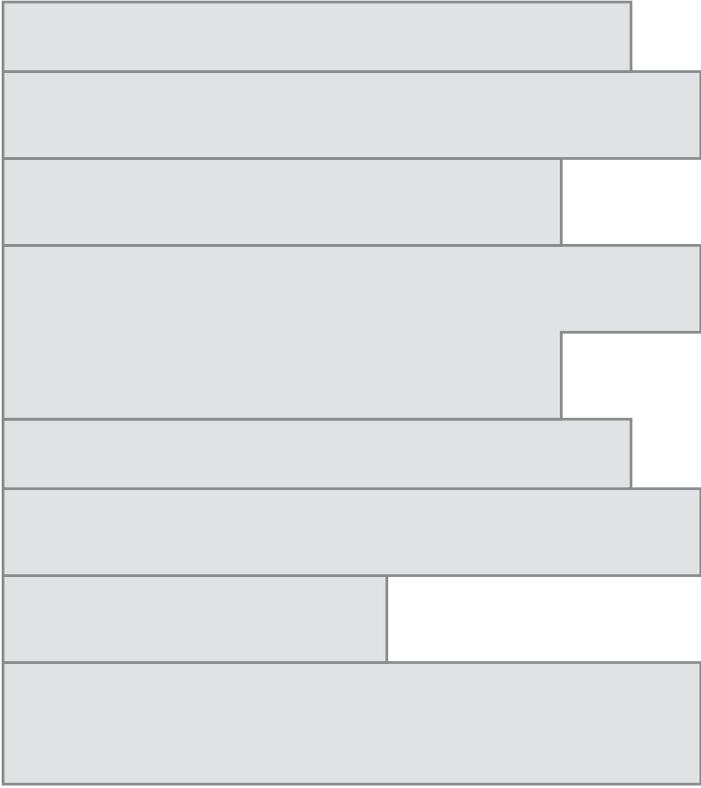
48" walkway
9'x21'

Venturi Pizza
111 E. Lincoln

48" walkway
18'x42'

Lincoln Ave.

S. Main St.

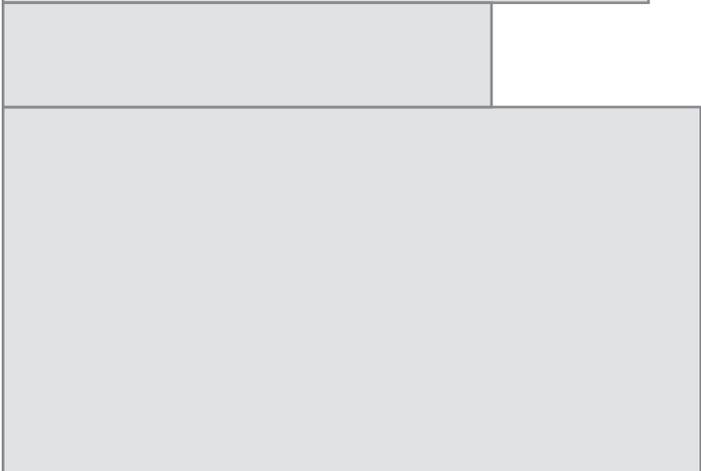


E. Washington St.



Nut Shoppe
204 S. Main

8x18



W. Washington St.



6' Passageway
150'

Constant Spring
219 S. Main

4'
23'

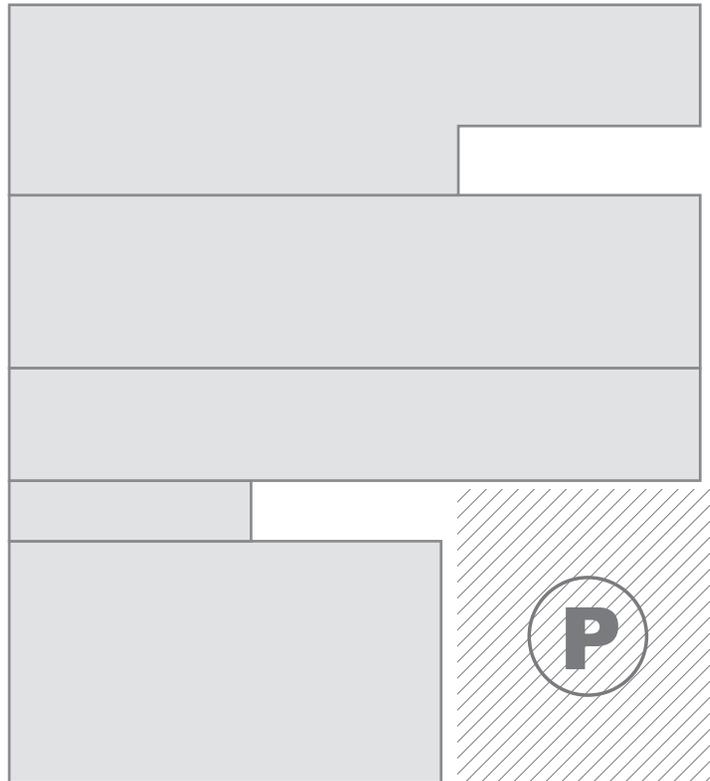
Elephant Bar
227 S. Main

8'x8'

S. Main St.

Nut Shoppe
204 S. Main

8'x8'



P

22 June 2020

Dear Board of Works:

I am writing to request permission to set up a patio seating area on the sidewalk directly in front of Blank Space, located at 109 E. Lincoln Ave. A floor plan is enclosed for your consideration. In the current public health emergency social distancing is a requirement of having an open business and the additional patio space out front is immensely helpful in order to facilitate events safely.

As indicated on the floor plan, the seating area would extend 10 feet out from the building facade. This is only four feet further than the existing iron staircase at 111 East Lincoln immediately adjacent to the east. Ten feet of clear sidewalk will remain for pedestrians.

The configuration of the patio is the same as the patio I have put up in the past for First Fridays and which has previously been approved by the Board of Works.

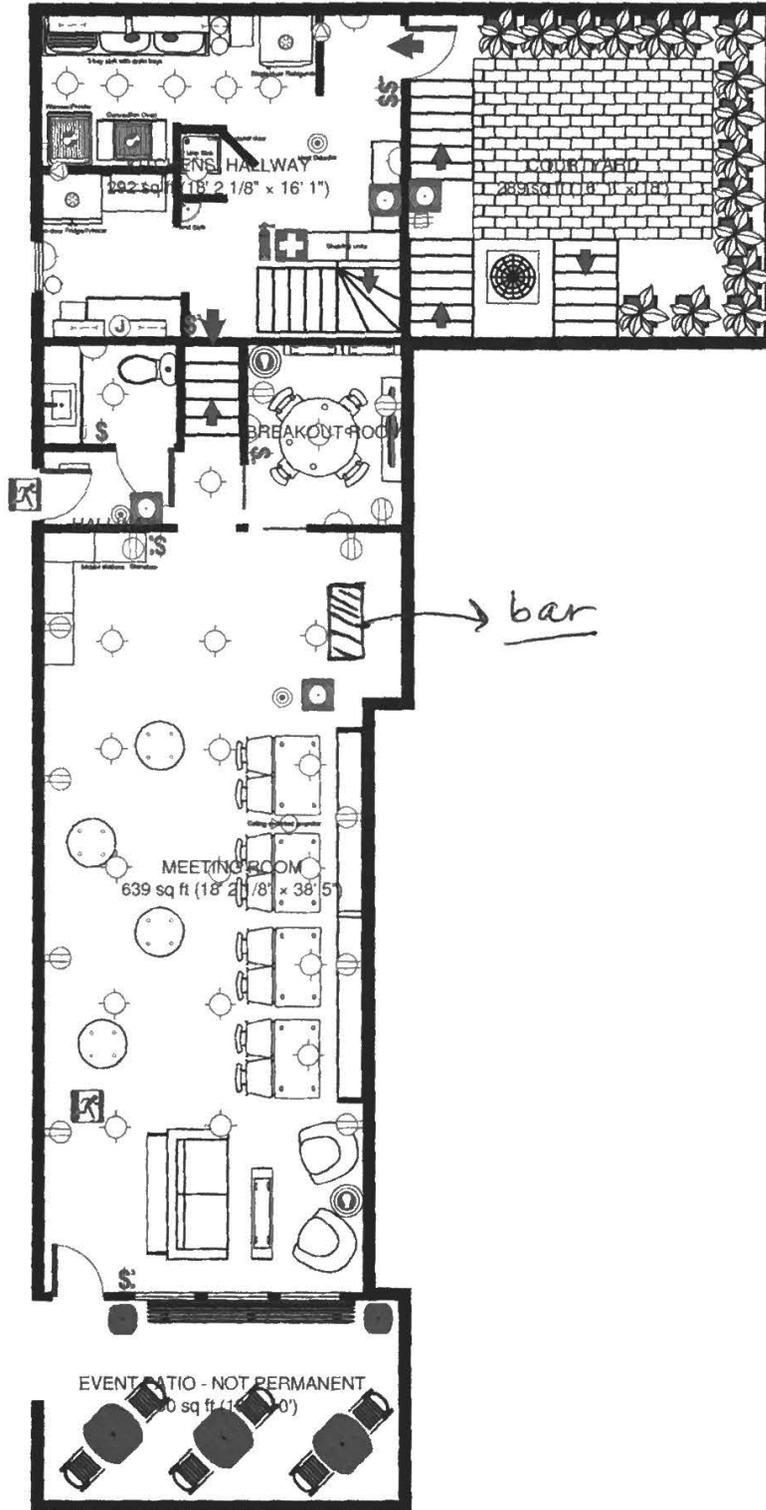
Blank Space has a restaurant/retail liquor license and we have been approved by and have met all requirements set forth by the Indiana Excise Police related to alcohol service in the proposed outdoor seating area.

Thank you for your time and consideration of this request.

Sincerely,

Anna Wiebe

Blank Space floor plan 2016



S FLOORPLAN IS PROVIDED WITHOUT WARRANTY OF ANY KIND. SENSOPHA DISCLAIMS ANY WARRANTY INCLUDING, WITHOUT LIMITATION, SATISFACTORY QUALITY OR ACCURACY OF DIMENSIONS.



City Clerk-Treasurer
CITY OF GOSHEN

202 South Fifth Street, Suite 2 • Goshen, IN 46528-3714

Phone (574) 533-8625 • Fax (574) 533-9740

clerktreasurer@goshencity.com • www.goshenindiana.org

22 June 2020

Memorandum

To: Board of Public Works & Safety

From: Adam Scharf, City Clerk-Treasurer

Re: Ratification of Declared Emergency Paid Leave List – Ordinance 5040

Ordinance 5040, Section 21(A) requires that the mayor review and approve the list of employees whom each department head determines shall remain home on 75% paid leave due to the COVID-19 public health emergency, and when that leave shall start. It then requires that the Board of Public Works and Safety ratify such action.

Below is the list of City of Goshen employees who have been approved by both their department head and the mayor to receive Declared Emergency Paid Leave (payroll code DEPL) under Ordinance 5040. Start dates for the leave for each employee are available upon request.

Requested motion: Ratify the determinations of the mayor and the respective department heads that the included list of employees are eligible to receive Declared Emergency Paid Leave under Ordinance 5040.

By Board of Public Works & Safety:

Jeremy Stutsman, Chair

Mary Nichols, Member

Mike Landis, Member



**City Clerk-Treasurer
CITY OF GOSHEN**

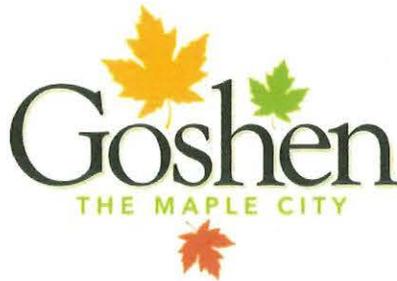
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clerktreasurer@goshencity.com • www.goshenindiana.org

Employees Eligible for Declared Emergency Paid Leave per Ordinance 5040:

Adkins, Jesse L.
Barrick, Jon
Battles, Nicholas J
Beard, Matthew M
Bigler, Jeffrey D.
Cripe, Steven L
Eash, Travis M.
Eldridge, Jonna M
Fuller, John P
Garcia, Brittney N.
Garcia, Laura K.
Gervais, Staycie Lynette
Gonzalez-Lopez, Roxanna C
Gordon, Cody N.
Halsey, Jeffery L
Herrera, Norma A
Herschberger, Tracie L.
Hetler, Matthew L.
Hetler, Tara L.
Howard, Steven L
Hrynewycz Jr., Michael
Hughes, Charles G.
Hutsell Jr., John A
Kruk, David E.
Lambright, David P
Meade, Melissa A
Moles, Tyler S.
Moses, Tabatha L
Platz Jr, Dana L
Pollock, Ronald G
Purdy, John P.
Sapien, Gloria
Shepherd, Angela D.
Shively, William N
Showalter, Andrew F.
Stump, Shawn M
Swiger, Lori A.
Turner, Todd P.
Whitaker, Tyron J.
Windsor, Keitha J
Wodtkey, Jeffrey J
Wolf, Steven L.
Yoder, Daniel L



**Engineering Department
CITY OF GOSHEN**

204 East Jefferson Street, Suite 1 • Goshen, IN 46528-3405

Phone (574) 534-2201 • Fax (574) 533-8626 • TDD (574) 534-3185
engineering@goshencity.com • www.goshenindiana.org

MEMORANDUM

TO: Goshen Board of Public Works & Safety

FROM: Goshen Engineering

RE: **WASTEWATER TREATMENT PLANT IMPROVEMENTS PROJECT
JN: 2019-0025A**

DATE: June 22, 2020

Work is commencing on the Wastewater Treatment Plant (WWTP) Improvements Project and the Contractor is preparing to have a full-time onsite presence, including installation of office trailers. In order to provide internet service to said trailers on WWTP property, Comcast requires the attached access agreement be signed by the City and returned to them.

Attached is a copy of the agreement. Please approve by authorizing the Mayor to sign on behalf of the Board of Public Works & Safety and return the letter to the **Engineering Department** for processing.

Requested Motion: Authorize the Mayor to sign the access agreement with Comcast to allow installation of internet service to the construction trailers at the WWTP.



Comcast Cable Communications Management, LLC
c/o Market Development, Comcast Business
1500 McConnor Parkway, Schaumburg, IL 60173

RE: Access to Property
Property Address: 1000 W Wilden Ave
Goshen, IN 46528

Dear Comcast:

_____ (the "Owning Entity"), being the owner of the premises described above (the "Property"), hereby consents to the installation, operation, and maintenance by Comcast Cable Communications Management, LLC, on behalf of its affiliates (together, "Comcast"), at Comcast's sole cost and expense, of Comcast's cable and other equipment into, over, under, across, and along the Property, to be used by Comcast to provide communications services to tenants and other occupants of the Property.

Comcast will contact the Owner, or Owner's representative, before work begins. This information will not be used for any other purpose.

Contact name: _____

Contact phone number: _____ Ext. _____

Contact email address: _____

Comcast shall repair any damage to the Property caused by the installation, operation, or maintenance of Comcast's equipment on the Property.

Owner's consent will continue for so long as Comcast provides communications services to tenants or other occupants of the Property. The Access to Property shall bind and benefit the parties and their respective successors and assigns.

Sincerely,

Owning Entity:

By: _____

Date Signed: _____

Name:

Title:



**Engineering Department
CITY OF GOSHEN**

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engineering@goshencity.com • www.goshenindiana.org

MEMORANDUM

TO: Goshen Board of Public Works & Safety

FROM: Goshen Engineering

RE: **EISENHOWER DRIVE N & S PAVEMENT REPLACEMENT AND
KERCHER ROAD BIKE PATH TOPOGRAPHICAL SURVEY AGREEMENT
(JN: 2020-0013)**

DATE: 06/22/2020

On June 3, 2020 the Engineering Department requested quotes to complete a topographical survey and set control points along Eisenhower Drive as part of the reconstruction of the existing roadway. Three proposed were received from the below consultants:

Jones Petrie Rafinski	\$16,800.00
A & Z Engineering	\$22,100.00
Abonmarche	\$31,900.00

Upon receiving the proposals, Goshen Engineering opted to add to the survey work to include a small topographical survey for the extension of the bike path along Kercher Road. The additional fee for this work was quoted at \$1,900.00.

Requested Motion: Move to approve the topographical surveys with Jones Petrie Rafinski for the amount of \$18,700.00.

AGREEMENT

Kercher Road and Dierdorff Road & Eisenhower Drive Reconstruction Survey

THIS AGREEMENT is entered into on this ____ day of _____, 2020, between Jones Petrie Rafinski, Corp., hereinafter referred to as “Consultant”, and the City of Goshen by its Board of Public Works and Safety, hereinafter referred to as “City”.

WHEREAS, the City desires to contract with Consultant, and Consultant agrees to provide a control survey for Kercher Road and Dierdorff Road and for the Eisenhower Drive Reconstruction project.

NOW THEREFORE, in consideration of the terms, conditions and mutual covenants contained in this Agreement, the parties agree as follows:

SCOPE OF SERVICES

Consultant’s services under this Agreement consist of the following providing a control survey for Kercher Road and Dierdorff Road and for the Eisenhower Drive Reconstruction project that includes removing the existing pavement and installing new full depth asphalt pavement. The survey shall provide the necessary information to install the new pavement with vertical and horizontal controls and shall collect centerline control and grades for the placement of the new pavement. Matching into existing driveways is critical and grade of the edge of pavement, right-of-way and driveway throat are required. See maps in Exhibit A showing the approximate boundaries of the survey.

Consultant’s scope of services shall include the following:

TOPOGRAPHY

New pavement markings shall be installed. The existing private railroad crossings will be repaired during the project by the railroad owners. No driveways, drainage or underground utilities will be changed.

Topographic information collected shall include the following information:

- Centerline, edge of pavement and driveway elevations.
- Cross sections every 50’ along the established centerline.
- Apparent right-of-way as determined from identified property corners and records (i.e. iron pipes, iron pins, etc.).
- Label all surface types (i.e. gravel, concrete, grass, asphalt, brick, and pavers).
- All pavements, which include edge of pavement, curbs and driveways.
- Surface utility information, which includes, but may not be limited to utility poles with notes regarding underground power drops, manholes, water valves, and utility reference/warning posts.
- The rim elevation of utility manholes, valves and vaults.
- Existing contour lines and labels on AutoCAD drawing.

VERTICAL CONTROL AND DOCUMENTATION

- A minimum of six benchmarks established with spike and enumerated tag (i.e. Benchmark number and elevation). When benchmarks are established on utility poles, the line number and pole number shall be provided as accessory information. Copies of the bench loop field notes shall be provided as part of the deliverables. Existing project benchmarks will be provided when requested.
- Utility elevations for all manholes, catch basins, inlets and pipes including rim and invert.

- Roadway elevations including centerline, edge of pavement, gutters, top of curbs, drive approaches. Cross sections every 50’.

HORIZONTAL CONTROL AND DOCUMENTATION

- Local horizontal control. A centerline with bearing and distance information shall be established from the right-of-way. Field control shall be established for defined centerline for the start of survey, PC, PT, and end of survey. Copies of the horizontal control field notes shall be provided as part of the deliverables.
- Control point established with ½” rebar and cap.
- Horizontal control witness tied.

Deliverables

Consultant shall provide the City with:

- Survey field notes.
- Utilities survey field notes
- Electronic processed .txt file from survey (points).
- Copies of the private utility markups.
- Copy of bench loop notes.
- Copy of horizontal control.
- Copy of any deeds, plats, and easements.
- Mapping provided on compact disk, emailed to jasonhoffman@goshencity.com or downloaded to the City’s ftp site (directions provided upon request) in AutoCAD Civil 3D 2012 or better, but not to exceed AutoCAD Civil 3D 2019. Reduced information shall be scaled for a 30-scale drawing.
- One hard copy.
- A copy of the consultants AutoCAD *.ctb file to allow the City to reproduce plotted line weights.
- Legend for the consultant’s linetypes and symbols.

Consultant shall be responsible for the proper removal and disposal of all material, scrap and debris from the site and shall assume and pay any applicable fees and charges for such disposal. Consultant shall not abandon or dispose of any materials or debris except in accordance with all applicable local, state and federal laws.

Consultant shall obtain and maintain all required permits, licenses, registrations and approvals, as well as comply with all health, safety and environmental statutes, rules or regulations in the performance of the services for the City.

TERM OF THE AGREEMENT

This Agreement shall become effective on the date of execution and approval by both parties. Consultant acknowledges that time is of the essence and that the timely performance of its services is an important element of this Agreement. Consultant shall perform all services as expeditiously as is consistent with professional skill and care in the orderly progress of the project.

Consultant’s services shall begin as soon as practical after receiving a notice to proceed from the City and shall be completed within three (3) weeks from receipt of a notice to proceed from the City.

COMPENSATION

The City agrees to compensate Consultant for the services in this agreement in accordance with Consultant’s quoted fees in the tables below for the amount of Eighteen Thousand Seven Hundred Dollars (\$18,700.00).

Kercher Road and Dierdorff Road	\$1,900.00
Eisenhower Drive	<u>\$16,800.00</u>
	\$18,700.00

Payment(s) to Consultant for services rendered under this agreement shall be made by the City upon receipt of a detailed invoice from Consultant for services completed provided satisfactory performance of Consultant has been attained. Consultant is required to have a current W9 Form on file with the City before the City will issue any payment. Payment will be made within forty-five (45) days following City's receipt of the detailed invoice from Consultant. Payment is deemed to be made on the date of mailing the check.

INDEPENDENT CONTRACTOR

Consultant shall be deemed an independent contractor operating as a separate entity from the City of Goshen. The City shall not be responsible for injury, including death, to any persons or damage to any property arising out of the acts or omissions of the agents, employees, or subcontractors of Consultant.

NON-DISCRIMINATION

Consultant agrees that it will comply with all federal and Indiana civil rights laws, including, but not limited to Indiana Code 22-9-1-10. Consultant agrees that Consultant or any subcontractors, or any other person acting on behalf of Consultant or their subcontractor, shall not discriminate against any employee or applicant for employment to be employed in the performance of a contract with respect to said employee's hire, tenure, terms, conditions, or privileges of employment or any other matter directly or indirectly related to employment because of the employee's or applicant's race, religion, color, sex, disability, national origin, or ancestry. Breach of this covenant may be regarded as a material breach of contract.

INDEMNIFICATION

Consultant agrees to indemnify and hold harmless the City, its agents, officers, and employees from any and all liability, obligations, claims actions, causes of action, judgments, liens, damages, penalties or injuries arising out of any intentional, reckless or negligent act or omission by Consultant or any of their officers, agents, officials, and employees, during the performance of services under this Agreement with the City of Goshen. Such indemnity shall include attorney's fees and all costs and other expenses incurred by the City, and shall not be limited to insurance required under the provisions of this Agreement.

INSURANCE

Prior to commencing services, Consultant shall furnish the City a certificate of insurance in accordance with the following minimum requirements, shall maintain the insurance in full force and effect, and shall keep on deposit at all times during the term of the contract with the City the certificates of proof issued by the insurance carrier that such insurance is in full force and effect. Consultant shall specifically include the City of Goshen as an additional insured for Employer's Liability, General Liability and Automobile Liability coverage.

Consultant shall at least include the following types of insurance with the following minimum limits of liability:

Workers Compensation & Employer's Liability	Statutory Limits
General Liability	Combined Bodily Injury and Property Damage \$1,000,000 Each Occurrence and \$2,000,000 Aggregate
Professional Liability	Combined Bodily Injury and Property Damage \$1,000,000 Each Occurrence and Aggregate

Automobile Liability..... Combined Bodily Injury and Property Damage
\$1,000,000 Each Occurrence and Aggregate

Each certificate shall require that written notice be given to the City at least thirty (30) days prior to the cancellation or a change in the policy that would not meet the minimum limits of liability set forth above.

FORCE MAJEURE

Except for payment of sums due, neither party shall be liable to the other or deemed in default under this contract if and to the extent that such party's performance under this contract is prevented by reason of force majeure. The term "force majeure" means an occurrence that is beyond the control of the party and could not have been avoided by exercising reasonable diligence. Examples of force majeure are natural disasters or decrees of governmental bodies not the fault of the affected party.

If either party is delayed by force majeure, the party affected shall provide written notification to the other party immediately. The party shall do everything possible to resume performance. The notification shall provide evidence of the force majeure event to the satisfaction of the other party. If the period of non-performance exceeds thirty (30) calendar days, the party whose ability to perform has not been affected may, by giving written notice, terminate the contract and the other party shall have no recourse.

BREACH

It shall be mutually agreed that if Consultant fails to provide the services or comply with the provisions of this Agreement and Consultant is not able to correct the breach within fifteen (15) calendar days after the City provides written notice to Consultant of such breach, the City may provide or have provided alternative provisions to correct and/or complete the projects. Consultant shall be responsible for any and all costs that are incurred and such costs may be deducted from amounts owed to Consultant expenses to correct the breach or complete the project. If such costs exceed the amounts owed to Consultant, Consultant is liable to reimburse the City for such costs.

If Consultant fails to perform the work or comply with the provisions of this Agreement, then Consultant may be considered in default.

Consultant may also be considered in default by the City if any of the following occur:

- (1) There is a substantive breach by Consultant of any obligation or duty owed under the provisions of this Agreement.
- (2) Consultant is adjudged bankrupt or makes an assignment for the benefit of creditors.
- (3) Consultant becomes insolvent or in an unsound financial condition so as to endanger performance under the Agreement.
- (4) Consultant becomes the subject of any proceeding under law relating to bankruptcy, insolvency or reorganization, or relief from creditors and/or debtors.
- (5) A receiver, trustee, or similar official is appointed for Consultant or any of Consultant's property.
- (6) Consultant is determined to be in violation of federal, state, or local laws or regulations and that such determination renders Consultant unable to perform the work under the Agreement.
- (7) The Agreement or any right, monies or claims are assigned by Consultant without the consent of the City.

TERMINATION

The parties may terminate this Agreement under any of the following conditions:

- (1) The contract may be terminated in whole or in part, at any time, by mutual written consent of both parties. Consultant shall be paid for all work performed and expenses reasonably incurred prior to notice of termination.

- (2) The City may terminate this contract, in whole or in part, in the event of default by Consultant. In such event, the City may issue a written notice of default and provide a period of time in which Consultant shall have the opportunity to cure. If the default is not cured within the time period allowed, the contract may be terminated by the City. In the event of default and failure to satisfactorily remedy the default after receipt of written notice, the City may secure similar work in any manner deemed proper by the City, and Consultant shall be liable to the City for any excess costs incurred.
- (3) The rights and remedies of the parties under this section shall not be exclusive and are in addition to any other rights and remedies provided by law or under this contract.

Upon termination for any reason, the City shall be entitled to the use of all plans, drawings, specifications and other documents pertaining to the project prepared by Consultant under this Agreement.

OWNERSHIP OF DOCUMENTS

The City acknowledges Consultant's documents, plans, drawings, specifications, including electronic files, as instruments of professional service. Nevertheless, the final documents prepared under this Agreement shall become the property of the City upon completion of the services and payment in full of all monies due to Consultant.

ASSIGNMENT

Neither party shall subcontract or assign any right or interest under the contract, including the right to payment, without having prior written approval from the other. Such approval shall not be unreasonably withheld. Any attempt by either party to subcontract or assign any portion of the contract shall not be construed to relieve that party from any responsibility to fulfill all contractual obligations.

MODIFICATIONS

It is mutually understood and agreed that no alteration or variation of the terms in this Agreement including the scope of services, completion of services and compensation, and that no alteration or variation of the conditions of this Agreement shall be binding unless specifically agreed to in writing by the parties. Any modification or amendment to the terms and conditions of the Agreement shall not be binding unless made in writing and signed by both parties. Any verbal representations or modifications concerning the Agreement shall be of no force and effect.

NOTICES

All written notices, properly addressed and sent by U.S. mail or delivered personally to the address provided below shall constitute sufficient notice whenever written notice is required for any purpose in the Agreement. Notice will be considered given three (3) days after the notice is deposited in the U.S. mail or when received at the appropriate address.

Address for notices to the City:

City of Goshen
Attention: Legal Department
204 East Jefferson St.
Goshen, IN 46528

and

City of Goshen
Attention: Engineering Department
204 East Jefferson St.
Goshen, IN 46528

Address for notices to Consultant:

Jones Petrie Rafinski Corp.
Attention: Jeffrey S. Barnes
325 S. Lafayette Blvd
South Bend IN 46601

APPLICABLE LAWS

Consultant agrees to comply with all applicable federal, state and local laws, rules, regulations, or ordinances as the same shall be in full force and effect during the term of this Agreement.

MISCELLANEOUS

- A. Any provision of this Agreement or incorporated documents shall be interpreted in such a way that they are consistent with all provisions required by law to be inserted into the Agreement. In the event of a conflict between these documents and applicable laws, rules, regulations or ordinances, the most stringent requirements shall govern.
- B. This Agreement shall be construed in accordance with and governed by the laws of the State of Indiana and any suit must be brought in a court of competent jurisdiction in Elkhart County, Indiana.
- C. In the event legal action is brought to enforce or interpret the terms and conditions of this Agreement, the non-prevailing party will pay all costs incurred by the prevailing party including reasonable attorney's fees.

EMPLOYMENT ELIGIBILITY VERIFICATION

Consultant shall enroll in and verify the work eligibility status of all their newly hired employees through the E-Verify program as defined in IC 22-5-1.7-3.

Consultant shall not knowingly employ or contract with an unauthorized alien. Consultant shall not retain an employee or continue to contract with a person that the Consultant subsequently learns is an unauthorized alien.

Consultant shall require their subcontractors, who perform work under this contract, to certify to Consultant that the subcontractor does not knowingly employ or contract with an unauthorized alien and that the subcontractor has enrolled and is participating in the E-Verify program. Consultant agrees to maintain this certification throughout the duration of the term of a contract with a subcontractor.

The City may terminate the contract if Consultant fails to cure a breach of this provision no later than thirty (30) days after being notified by the City of a breach.

Consultant affirms under the penalties of perjury that they do not knowingly employ an unauthorized alien.

CONTRACTING WITH RELATIVES

Pursuant to IC 36-1-21, if Consultant is wholly or partially owned by a relative of an elected official of the City of Goshen Consultant certifies that Consultant has notified in writing both the elected official of the City of Goshen and the City's legal department prior to entering into this contract that an elected official of the City of Goshen is a relative of an owner of Consultant.

SEVERABILITY

In the event that any provision of this Agreement is found to be invalid or unenforceable, then such provision shall be reformed in accordance with applicable law. The invalidity or unenforceability of any provision of the Agreement shall not affect the validity or enforceability of any other provision of the Agreement.

BINDING EFFECT

All provisions, covenants, terms and conditions of this Agreement bind the parties and their legal heirs, representatives, successors and assigns.

ENTIRE AGREEMENT

This Agreement constitutes the entire agreement between the parties and supersedes all other agreements or understandings between the City and Consultant.

IN WITNESS WHEREOF, the parties have executed this Agreement as follows:

**City of Goshen
Board of Public Works and Safety**

Jones Petrie Rafinski Corp.

Jeremy P. Stutsman, Mayor

Kenneth Jones Sr., President

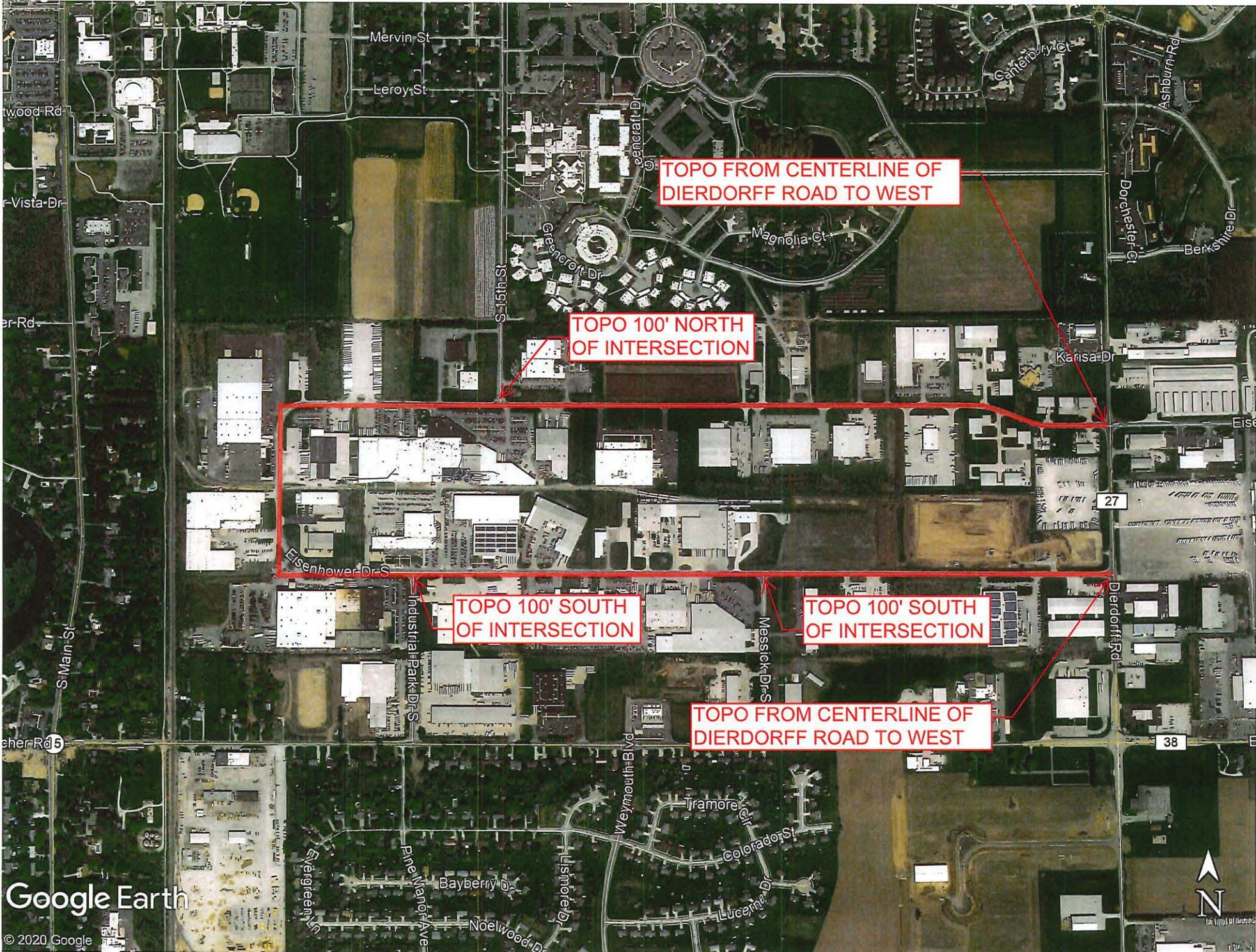
Mary Nichols, Member

Date: _____

Michael Landis, Member

Date: _____

EXHIBIT A
Kercher Road & Dierdorff Road
&
Eisenhower Drive Reconstruction Survey Maps



TOPO FROM CENTERLINE OF DIERDORFF ROAD TO WEST

TOPO 100' NORTH OF INTERSECTION

TOPO 100' SOUTH OF INTERSECTION

TOPO 100' SOUTH OF INTERSECTION

TOPO FROM CENTERLINE OF DIERDORFF ROAD TO WEST

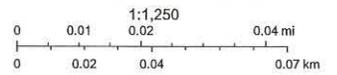


ArcGIS Web Map



6/17/2020, 4:13:21 PM

- ParcelLabel
- RoadsAndAlleys



Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

This data may be incomplete or inaccurate. Goshen City and Elkhart cannot be held liable for errors or omissions in the data. By using this data, the recipient agrees to protect, hold harmless and indemnify Goshen City, Elkhart County, its employees, and its officers.



**Engineering Department
CITY OF GOSHEN**

204 East Jefferson Street, Suite 1 • Goshen, IN 46528-3405

Phone (574) 534-2201 • Fax (574) 533-8626 • TDD (574) 534-3185
engineering@goshencity.com • www.goshenindiana.org

MEMORANDUM

TO: Goshen Board of Public Works & Safety

FROM: Goshen Engineering

RE: **DOUGLAS, RYENOLDS AND 16TH STREET RECONSTRUCTION –
GEOTECHNICAL SERVICES AGREEMENT (JN: 2020-0017)**

DATE: 06/22/2020

On June 4, 2020 the Engineering Department requested proposals for soil borings, soil reports and road section recommendations based on the findings. Four proposed were received from the below consultants:

Patriot Engineering and Environmental, Inc.	\$3,950.00
Alt & Witzig Engineering, Inc.	\$5,175.00
Weaver Consultants Group	\$7,240.00
Earth Exploration, Inc.	\$10,130.00

The Engineering Department recommends awarding the contract to Patriot Engineering and Environmental, Inc. for the amount of \$3,950.00.

Requested Motion: Move to approve the geotechnical services with Patriot Engineering and Environmental, Inc. for the amount of \$3,950.00.

AGREEMENT

Geotechnical Services for Douglas, Reynolds & 16th Street Reconstruction JN: 2020-0017

THIS AGREEMENT is entered into on this ____ day of _____, 2020, between Patriot Engineering and Environmental, Inc., hereinafter referred to as "Consultant", and the City of Goshen by its Board of Public Works and Safety, hereinafter referred to as "City".

WHEREAS, the City is working on the design for the reconstruction of E. Douglas Street, E. Reynolds Street and 16th Street and requires that borings be done to determine the existing pavement section, soil types and ground water level.

WHEREAS, the City desires to contract with Consultant, and Consultant agrees to provide the geotechnical services of the borings and the reporting.

NOW THEREFORE, in consideration of the terms, conditions and mutual covenants contained in this Agreement, the parties agree as follows:

SCOPE OF SERVICES

The City of Goshen (City) is working on the design for the reconstruction of E. Douglas Street, E. Reynolds Street and 16th Street that will include the installation of new concrete curb, asphalt roadway, storm structures and pipes, driveway approaches and sidewalks.

Consultant's services under this Agreement consist of providing soil borings, analysis of the soils and a report that provides geotechnical recommendations for pavement subgrade preparation and utility construction, all of which is more particularly described below.

Consultant shall call public utilities (811) to "clearing utilities" within the public domain prior to the start of the subsurface exploration.

Consultant shall be totally responsible for all necessary traffic control for this project including flaggers and advance warning signs that shall be performed in accordance with the Indiana Manual on Uniform Traffic Control Devices for streets and highways. Any flagmen, signs and barricades needed for the project shall be furnished by the Consultant.

Borings

Consultant shall perform the borings to determine the existing pavement section, soil types, and ground water level. Soil borings shall extend 15' below the existing pavement elevation. The five (5) boring locations are shown in Exhibit A and the City will mark the physical boring sites with paint. The location of the soil borings, are to be based on the existing roadway. The boring investigation shall include

- Split-spoon samples and Standard Penetration Tests values (commonly referred to as the blow-count or N-value) obtained in advance of the augers at 2.5 feet intervals to a termination depth of 15 feet per ASTM Method D-1586.
- Shelby tube samples obtained in cohesive soil strata-of-interest.
- Monitoring the borings for the presence of groundwater during and immediately following completion of the boring.

Upon completion of the borings, Consultant shall backfill the boreholes with a mixture of auger cuttings and bentonite chips and shall patch borings drilled in paved areas prior to demobilization.

Report

Consultant shall analyze the soils from the soil borings and provide the City a report of the findings of subsurface exploration and shall provide geotechnical recommendations for pavement subgrade preparation and utility construction.

Consultant's laboratory testing shall be performed in general accordance with applicable ASTM methods and shall include:

- Visual classifications of collected samples
- Natural moisture contents on cohesive samples
- Cohesive soil strength estimated by a hand penetrometer

Consultant's Geotechnical Engineering Report shall present field, soil boring logs and laboratory test data and shall include:

- A plot showing the location of the test borings and or excavation,
- A complete record of the soil sample description,
- A record of the soil profile,
- Elevation of the water table (if encountered),
- Results from the in-situ or geophysical testing,
- Results from the laboratory testing,
- Recommendations to aid in design of the proposed concrete curb, asphalt roadway, storm structures and pipes, driveway approaches and sidewalks, as well as providing a discussion regarding potential construction difficulties due to soil and groundwater conditions.

The geotechnical report shall be signed and sealed by an Indiana licensed professional engineer.

Consultant shall perform all work in this project during the days Monday to Friday between the hours of 7:00 am and 8:00 pm. City shall be notified in advance if Consultant intends to work on a Saturday and/or a Sunday.

Consultant shall be responsible for the proper removal and disposal of all material, scrap and debris from the site and shall assume and pay any applicable fees and charges for such disposal. Consultant shall not abandon or dispose of any materials or debris except in accordance with all applicable local, state and federal laws.

Consultant shall obtain and maintain all required permits, licenses, registrations and approvals, as well as comply with all health, safety and environmental statutes, rules or regulations in the performance of the services for the City.

TERM OF THE AGREEMENT

This Agreement shall become effective on the date of execution and approval by both parties. Consultant acknowledges that time is of the essence and that the timely performance of its services is an important element of this Agreement. Consultant shall perform all services as expeditiously as is consistent with professional skill and care in the orderly progress of the project.

Consultant's services shall begin as soon as practical after receiving a notice to proceed from the City and shall be completed by July 10, 2020.

COMPENSATION

The City agrees to compensate Consultant for the services in this agreement in accordance with Consultant's fee schedule in Exhibit B and Consultant's quoted fee based on hours actually worked for an amount not exceed Three Thousand Nine Hundred Fifty Dollars (\$3,950.00).

Payment(s) to Consultant for services rendered under this agreement shall be made by the City upon receipt of a detailed invoice from Consultant for services completed provided satisfactory performance of Consultant has been attained. The detailed invoice shall include the total contract amount, payments to date, remaining contract balance, percentage of completed work, and employee names and hours worked on specific task(s). Consultant is required to have a current W9 Form on file with the City before the City will issue any payment. Payment will be made within forty-five (45) days following City's receipt of the detailed invoice from Consultant. Payment is deemed to be made on the date of mailing the check.

INDEPENDENT CONTRACTOR

Consultant shall be deemed an independent contractor operating as a separate entity from the City of Goshen. The City shall not be responsible for injury, including death, to any persons or damage to any property arising out of the acts or omissions of the agents, employees, or subcontractors of Consultant.

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Consultant agrees that it will comply with all federal and Indiana civil rights laws, including, but not limited to Indiana Code 22-9-1-10. Consultant agrees that Consultant or any subcontractors, or any other person acting on behalf of Consultant or their subcontractor, shall not discriminate against any employee or applicant for employment to be employed in the performance of a contract with respect to said employee's hire, tenure, terms, conditions, or privileges of employment or any other matter directly or indirectly related to employment because of the employee's or applicant's race, religion, color, sex, disability, national origin, or ancestry. Breach of this covenant may be regarded as a material breach of contract.

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INSURANCE

Prior to commencing services, Consultant shall furnish the City a certificate of insurance in accordance with the following minimum requirements, shall maintain the insurance in full force and effect, and shall keep on deposit at all times during the term of the contract with the City the certificates of proof issued by the insurance carrier that such insurance is in full force and effect. Consultant shall specifically include the City of Goshen as an additional insured for Employer's Liability, General Liability and Automobile Liability coverage.

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\$1,000,000 Each Occurrence and \$2,000,000 Aggregate
- Professional Liability Combined Bodily Injury and Property Damage
\$1,000,000 Each Occurrence and Aggregate

Automobile Liability..... Combined Bodily Injury and Property Damage
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Each certificate shall require that written notice be given to the City at least thirty (30) days prior to the cancellation or a change in the policy that would not meet the minimum limits of liability set forth above.

FORCE MAJEURE

Except for payment of sums due, neither party shall be liable to the other or deemed in default under this contract if and to the extent that such party's performance under this contract is prevented by reason of force majeure. The term "force majeure" means an occurrence that is beyond the control of the party and could not have been avoided by exercising reasonable diligence. Examples of force majeure are natural disasters or decrees of governmental bodies not the fault of the affected party.

If either party is delayed by force majeure, the party affected shall provide written notification to the other party immediately. The party shall do everything possible to resume performance. The notification shall provide evidence of the force majeure event to the satisfaction of the other party. If the period of non-performance exceeds thirty (30) calendar days, the party whose ability to perform has not been affected may, by giving written notice, terminate the contract and the other party shall have no recourse.

BREACH

It shall be mutually agreed that if Consultant fails to provide the services or comply with the provisions of this Agreement, and Consultant is not able to correct the breach within fifteen (15) calendar days after the City provides written notice to Consultant of such breach, the City may provide or have provided alternative provisions to correct and/or complete the projects. Consultant shall be responsible for any and all costs that are incurred and such costs may be deducted from amounts owed to Consultant expenses to correct the breach or complete the project. If such costs exceed the amounts owed to Consultant, Consultant is liable to reimburse the City for such costs.

If Consultant fails to perform the work or comply with the provisions of this Agreement, then Consultant may be considered in default.

Consultant may also be considered in default by the City if any of the following occur:

- (1) There is a substantive breach by Consultant of any obligation or duty owed under the provisions of this Agreement.
- (2) Consultant is adjudged bankrupt or makes an assignment for the benefit of creditors.
- (3) Consultant becomes insolvent or in an unsound financial condition so as to endanger performance under the Agreement.
- (4) Consultant becomes the subject of any proceeding under law relating to bankruptcy, insolvency or reorganization, or relief from creditors and/or debtors.
- (5) A receiver, trustee, or similar official is appointed for Consultant or any of Consultant's property.
- (6) Consultant is determined to be in violation of federal, state, or local laws or regulations and that such determination renders Consultant unable to perform the work under the Agreement.
- (7) The Agreement or any right, monies or claims are assigned by Consultant without the consent of the City.

TERMINATION

The parties may terminate this Agreement under any of the following conditions:

- (1) The contract may be terminated in whole or in part, at any time, by mutual written consent of both parties. Consultant shall be paid for all work performed and expenses reasonably incurred prior to notice of termination.
- (2) The City may terminate this contract, in whole or in part, in the event of default by Consultant. In such event, the City may issue a written notice of default and provide a period of time in which Consultant shall have the opportunity to cure. If the default is not cured within the time period allowed, the contract may be terminated by the City. In the event of default and failure to satisfactorily remedy the default after receipt of written notice, the City may secure similar work in any manner deemed proper by the City, and Consultant shall be liable to the City for any excess costs incurred.
- (3) The rights and remedies of the parties under this section shall not be exclusive and are in addition to any other rights and remedies provided by law or under this contract.

Upon termination for any reason, the City shall be entitled to the use of all plans, drawings, specifications and other documents pertaining to the project prepared by Consultant under this Agreement.

OWNERSHIP OF DOCUMENTS

The City acknowledges Consultant's documents, plans, drawings, specifications, including electronic files, as instruments of professional service. Nevertheless, the final documents prepared under this Agreement shall become the property of the City upon completion of the services and payment in full of all monies due to Consultant.

ASSIGNMENT

Neither party shall subcontract or assign any right or interest under the contract, including the right to payment, without having prior written approval from the other. Such approval shall not be unreasonably withheld. Any attempt by either party to subcontract or assign any portion of the contract shall not be construed to relieve that party from any responsibility to fulfill all contractual obligations.

MODIFICATIONS

It is mutually understood and agreed that no alteration or variation of the terms in this Agreement including the scope of services, completion of services and compensation, and that no alteration or variation of the conditions of this Agreement shall be binding unless specifically agreed to in writing by the parties. Any modification or amendment to the terms and conditions of the Agreement shall not be binding unless made in writing and signed by both parties. Any verbal representations or modifications concerning the Agreement shall be of no force and effect.

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Address for notices to the City:

City of Goshen
Attention: Legal Department
204 East Jefferson St.
Goshen, IN 46528

Address for notices to Consultant:

Patriot Engineering & Environmental Inc.
ATT: Irfan Syed
6150 E. 75th Street
Indianapolis, IN 46250

and

City of Goshen
Attention: Engineering Department
204 East Jefferson St.
Goshen, IN 46528

APPLICABLE LAWS

Consultant agrees to comply with all applicable federal, state and local laws, rules, regulations, or ordinances as the same shall be in full force and effect during the term of this Agreement.

MISCELLANEOUS

- A. Any provision of this Agreement or incorporated documents shall be interpreted in such a way that they are consistent with all provisions required by law to be inserted into the Agreement. In the event of a conflict between these documents and applicable laws, rules, regulations or ordinances, the most stringent requirements shall govern.
- B. This Agreement shall be construed in accordance with and governed by the laws of the State of Indiana and any suit must be brought in a court of competent jurisdiction in Elkhart County, Indiana.
- C. In the event legal action is brought to enforce or interpret the terms and conditions of this Agreement, the non-prevailing party will pay all costs incurred by the prevailing party including reasonable attorney's fees.

EMPLOYMENT ELIGIBILITY VERIFICATION

Consultant shall enroll in and verify the work eligibility status of all their newly hired employees through the E-Verify program as defined in IC 22-5-1.7-3.

Consultant shall not knowingly employ or contract with an unauthorized alien. Consultant shall not retain an employee or continue to contract with a person that the Consultant subsequently learns is an unauthorized alien.

Consultant shall require their subcontractors, who perform work under this contract, to certify to Consultant that the subcontractor does not knowingly employ or contract with an unauthorized alien and that the subcontractor has enrolled and is participating in the E-Verify program. Consultant agrees to maintain this certification throughout the duration of the term of a contract with a subcontractor.

The City may terminate the contract if Consultant fails to cure a breach of this provision no later than thirty (30) days after being notified by the City of a breach.

Consultant affirms under the penalties of perjury that they do not knowingly employ an unauthorized alien.

CONTRACTING WITH RELATIVES

Pursuant to IC 36-1-21, if Consultant is wholly or partially owned by a relative of an elected official of the City of Goshen Consultant certifies that Consultant has notified in writing both the

elected official of the City of Goshen and the City's legal department prior to entering into this contract that an elected official of the City of Goshen is a relative of an owner of Consultant.

SEVERABILITY

In the event that any provision of this Agreement is found to be invalid or unenforceable, then such provision shall be reformed in accordance with applicable law. The invalidity or unenforceability of any provision of the Agreement shall not affect the validity or enforceability of any other provision of the Agreement.

BINDING EFFECT

All provisions, covenants, terms and conditions of this Agreement bind the parties and their legal heirs, representatives, successors and assigns.

ENTIRE AGREEMENT

This Agreement constitutes the entire agreement between the parties and supersedes all other agreements or understandings between the City and Consultant.

IN WITNESS WHEREOF, the parties have executed this Agreement as follows:

**City of Goshen
Board of Public Works and Safety**

**Patriot Engineering & Environmental
Inc.**

Jeremy P. Stutsman, Mayor

Salim M. Ilmuden, PE, Principal Engineer

Mary Nichols, Member

Date: _____

Michael Landis, Member

Date: _____

Exhibit A

Map of Soil Boring Locations

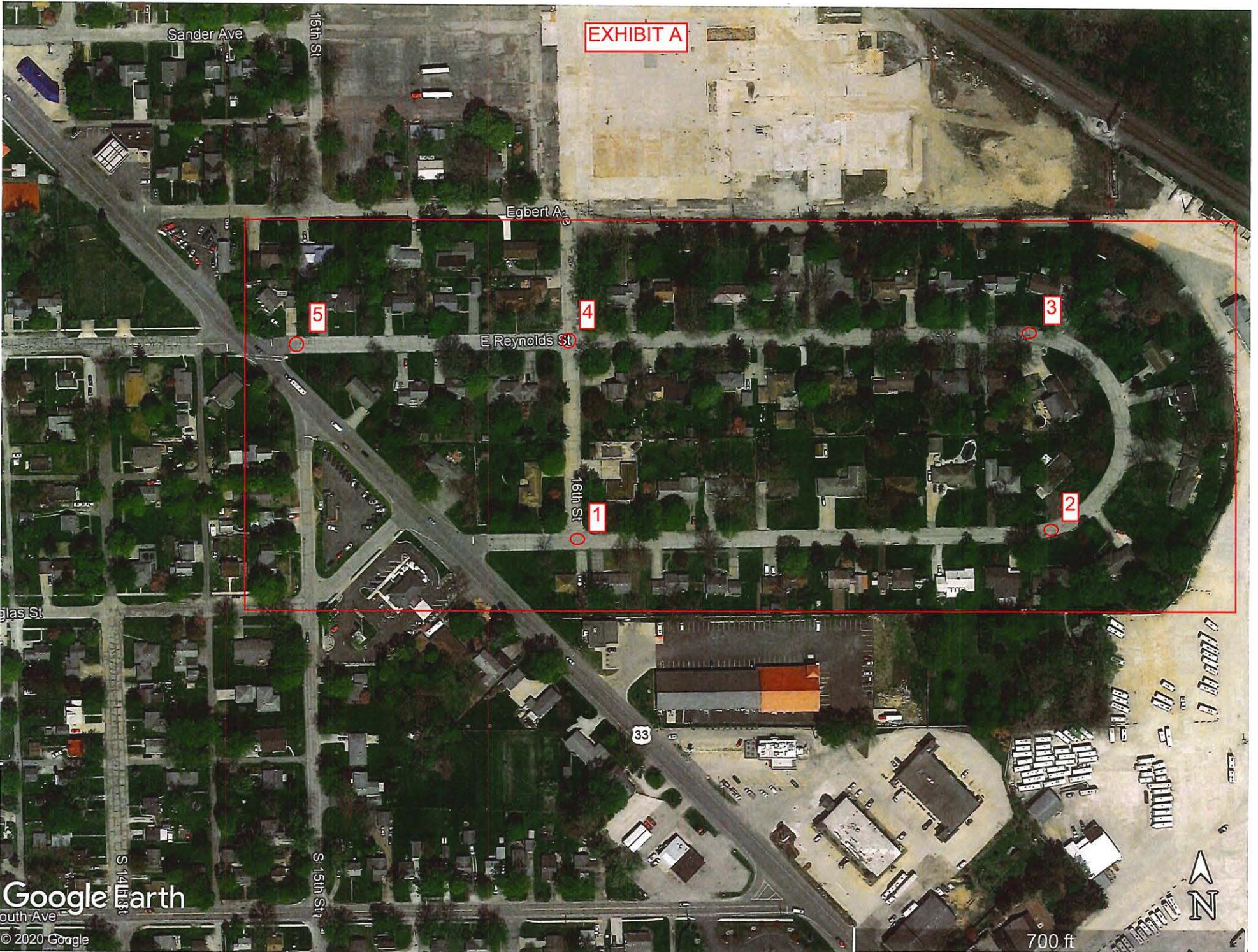


EXHIBIT A

Sander Ave

15th St

Egbert Ave

E Reynolds St

16th St

Glas St

S 14th St

S 15th St

Google Earth

South Ave

© 2020 Google

33

700 ft



Exhibit B

Fee Schedule

PATRIOT ENGINEERING AND ENVIRONMENTAL, INC.
Geotechnical Engineering Services
2020 Fee Schedule

	<u>Unit</u>	<u>Unit Cost</u>
<u>PROFESSIONAL SERVICES</u>		
Expert Witness	Hour	\$300.00
Senior Principal Engineer, P.E.	Hour	\$200.00
Principal Engineer, P.E.	Hour	\$175.00
Senior Project Engineer, P.E.	Hour	\$150.00
Project Engineer, P.E.	Hour	\$125.00
Senior Engineer/Geologist	Hour	\$100.00
Geotechnical Engineer/Geologist	Hour	\$90.00
Draftsperson/CAD Technician	Hour	\$80.00
Senior Engineering Technician	Hour	\$58.00
Word Processor	Hour	\$68.00
<u>LABORATORY TESTING</u>		
Water Contents (oven dried)	Each	\$5.35
Hand Penetrometer Test	Each	\$10.00
Atterberg Limits (LL & PL)	Each	\$72.00
Grain Size Distribution	Each	\$118.50
Sieve Analysis only	Each	\$57.00
Minus #200 Sieve only	Each	\$41.50
Hydrometer only	Each	\$67.00
Natural Density	Each	\$31.00
Organic Content	Each	\$36.00
pH Determination	Each	\$31.00
Extrude & Log Shelby Tube Samples	Each	\$36.00
Standard Proctor	Each	\$145.00
Modified Proctor	Each	\$165.00
CBR Test	Each / Point	\$165.00
Unconfined Compressive Strength	Each	\$62.00
Test for pH, organic matter, soluble salts	Each	\$118.50
Triaxial Tests (CU - 3 circles)	Each	\$975.00
Consolidation Test	Each	\$450.00
Permeability Test (Cohesive Soils)	Each	\$330.00
<u>DRILLING SERVICES</u>		
Mobilization of drill rig and crew (Local)		
*plus \$4.30 per mile over 60 miles from a Patriot office	Lump Sum	\$550.00
Minimum Charge for drill rig, crew and equipment	Lump Sum	\$1,750.00
Drilling with 3.25" and 4.25" hollow stem augers with standard splitspoon sample intervals		
Under 50 feet depth and under 50 blows per foot	Foot	\$10.50
50 to 75 feet depth and under 50 blows per foot	Foot	\$12.50
Over 75 feet depth or over 50 blows per foot	Foot	\$15.50
Additional splitspoon samples beyond standard intervals	Each	\$14.50
ATV Drilling, Add	Foot	\$1.75
Mud Drilling, Add	Foot	\$6.25
Drilling without splitspoons	Foot	\$9.00
Bulk Samples (50 lb. bag)	Each	\$64.00
Rock Coring	Foot	\$36.00
Equipment, set-up for rock coring	Hole	\$67.00
Shelby Tube Samples (3 in. O.D.)	Each	\$57.00
Standby Time requested by Client or Hauling Water	Hour	\$170.00
Rental of Dozer (to assist drill rig under adverse site conditions)	Cost + 15%	
Asphalt or Concrete Plug of Drill Holes	Hole	\$36.00
Per Diem for Drill Crew per person	Per Day	\$125.00
Grouting Holes	Foot	\$9.00
Concrete Coring Through 6 to 8 inches of Floor Slab	Hole	\$278.00
Monitoring Well Installation	Foot	\$36.00
Monitoring Well Flush Manhole & Cover	Each	\$285.00
<u>GENERAL EXPENSES</u>		
Transportation by Company or Personal Car	Mile	\$0.69
Subcontractor Costs / Special Costs (i.e., film, FedEx, etc.)	Cost + 15%	
Additional Copies of Report (above 3 copies)*plus time	Page	\$0.50
Out-of-Town Living Expenses	Cost + 15%	



**Engineering Department
CITY OF GOSHEN**

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MEMORANDUM

TO: Board of Works and Safety and Stormwater Board

FROM: Dustin Sailor, P.E., Director of Public Works

RE: **COLLEGE & US HWY 33 INTERSECTION IMPROVEMENT
INTERLOCAL AGREEMENT
(JN: 2016-0021 / INDOT DES. NO. 1383237)**

DATE: June 22, 2020

The City has been provided an interlocal agreement with the State of Indiana for participatory costs associated with the proposed rework at the intersection of US Hwy 33 and College Avenue. As part of the project, the City's water main is in conflict with INDOT's underground improvements. Typically, the City would be required to relocate the utilities in conflict in advance of INDOT's work, but the State is willing to accommodate the City's work under their contract. The cost to relocate the City's water main in connection with INDOT's work and install lighting at the intersection is \$104,232.40.

This interlocal agreement is good for the City in that it saves money on mobilization, traffic control, and restoration.

Please approve the interlocal agreement with the State of Indiana.

Requested Motion: Move to approve the interlocal agreement with the State of Indiana for the intersection of US Hwy 33 and College Avenue that will have a participatory cost of \$104,232.40. Also, moving to allow the Mayor to sign the agreement on behalf of the board.

INTERLOCAL COOPERATIVE AGREEMENT
Between
THE INDIANA DEPARTMENT OF TRANSPORTATION
And
THE CITY OF GOSHEN, INDIANA
For
CONSTRUCTION, INSTALLATION, AND MAINTENANCE
Of
A WATER MAIN AND LIGHTING FIXTURES
In
GOSHEN, ELKHART COUNTY, INDIANA

EDS/SCM No. _____

THIS INTERLOCAL COOPERATIVE AGREEMENT, made and entered into by and between the INDIANA DEPARTMENT OF TRANSPORTATION (hereinafter referred to as "INDOT" or the "State") and the CITY OF GOSHEN, INDIANA (hereinafter referred to as the "City"), is executed pursuant to the terms and conditions set forth herein and shall be effective as of the date of approval by the Office of the Indiana Attorney General ("Effective Date"). INDOT and the City are jointly referred to herein as the "Parties" and each individually as a "Party."

RECITALS

WHEREAS, for the purpose of improving congestion, safety, and mobility, and to accommodate future economic growth in the region, INDOT has planned a project for the reconstruction and implementation of new facilities at the intersection of US 33 and College Avenue in Goshen, Elkhart County, Indiana (the "Intersection"), programmed as DES # 1383237 and being undertaken pursuant to Construction Contract #R-41821, and more particularly illustrated on the plans in Exhibit A attached hereto and incorporated herein by reference; and

WHEREAS, the City desires to expand the scope of the planned INDOT project, to include a relocated water main and new lighting fixtures, and has proposed and requested for additional work to be done in connection with the project; and

WHEREAS, as it is more economically prudent to combine all work under one contract and contractor, INDOT is agreeable to carry out the additional work proposed and requested by the City, which work is the financial responsibility of the City, in connection with INDOT's work on the project; and

WHEREAS, in the mutual interest for the convenience and safety of the traveling public, and to enhance the flow of traffic at the Intersection, the City and INDOT desire to cooperate regarding construction and installation of the project, including the relocated water main and new lighting fixtures, and in funding the project; and

WHEREAS, the City and INDOT currently estimate the cost of the full project to be \$1,945,119.65; and

WHEREAS, the City has agreed to contribute funds toward the project in the amount of \$104,232.40, which accounts for the portion of the work for which the City is responsible; and

WHEREAS, the Parties desire to delineate responsibilities related to the construction and relocation of the water main, installation of the new lighting fixtures, and maintenance of the water main and lighting fixtures.

NOW THEREFORE, in consideration of the premises and the mutually dependent covenants herein contained, the Parties hereby agree as follows:

ARTICLE I
SPECIFIC PROVISIONS

1.1 Purpose of Agreement. The purpose of this Agreement is to allow INDOT to construct and relocate the City's water main located at the Intersection (the "Water Main"), as illustrated on the plans attached as **Exhibit A**, to install lighting fixtures to new strain poles at the Intersection (the "Lighting Fixtures"), as illustrated on **Exhibit A**, to connect the Lighting Fixtures to a power source and tie them into a local utility, and to delineate maintenance responsibilities of and for the Water Main and Lighting Fixtures.

1.2 Term of Agreement. This Agreement shall commence on the Effective Date and terminate 10 years from the Effective Date, subject to renewal upon the same terms for a 10 year period upon agreement of the Parties, unless either of the following conditions occurs or this Agreement is terminated pursuant to the provisions contained herein:

- A. If construction of the Water Main and Lighting Fixtures has not been completed in accordance with all terms of this Agreement within four years of the Effective Date, this Agreement shall terminate; or
- B. If the Water Main, Lighting Fixtures, or significant portions of either of the foregoing are removed or are altered without INDOT's prior written consent, this Agreement shall terminate.

All obligations, responsibilities, and liability of the City under this Agreement, including but not limited to those set forth in Articles II and III, shall survive termination of this Agreement.

1.3 Public Statements or Disclosures. The Parties shall consult with each other and must agree as to the timing, content, and form before issuing any press release related to the Project or this Agreement. However, this Section 1.2 does not prohibit either of the Parties from making a public statement or disclosure regarding this the Project or this Agreement if, but only if, in the opinion of a Party's legal counsel, such a public statement or disclosure is required by law, including but not limited to, Indiana's Access to Public Records Act (IC 5-14-3), legal process, or directive of a regulatory authority having jurisdiction over the Party.

1.4 Interpretation. The Preamble and Recitals above are incorporated by reference into this Agreement. All captions, section headings, paragraph titles, and similar items are provided for the purpose of reference and convenience and are not intended to be inclusive, definitive, or to affect the interpretation of this Agreement.

ARTICLE II
SPECIFIC CONSTRUCTION RELATED PROVISIONS

2.1 Project Description. INDOT will construct and relocate or cause to be constructed and relocated the Water Main, install or cause to be installed the Lighting Fixtures to new strain poles at the Intersection, and connect or cause to be connected the Lighting Fixtures to a power source and tie them into a local utility, all as illustrated on Exhibit A, and undertake additional work related to the Water Main and Lighting Fixtures (collectively, the “Project”). INDOT shall carry out all work related to and/or necessary for the Project. INDOT has prepared a preliminary project budget, which is attached hereto as Exhibit B and incorporated herein by reference. A portion of the construction and installation of the Project will take place within existing and/or additionally acquired INDOT right-of-way, which right-of-way is illustrated on Exhibit A. The City understands and agrees that if and when the Project, Water Main, and/or Lighting Fixtures conflicts with the operation, maintenance, regulation, construction, or reconstruction of or within any part of INDOT right-of-way or other state highway facility, INDOT shall notify and discuss with the City any alterations to and/or removal of the Project, Water Main, or Lighting Fixtures and coordinate the alterations and/or removal with the City, in order to accommodate use of INDOT right-of-way, including but not limited for state highway purposes, at no cost to INDOT and to ensure proper functioning of the City’s water system.

2.2 INDOT’s Responsibilities.

INDOT’s responsibilities shall include, and are limited to, the following:

- A. INDOT shall be responsible for all aspects of, and will complete all work necessary for, letting, development, construction, and installation of the Project, including all preliminary engineering, design, right of way acquisition, utility relocation and coordination, environmental work, permitting, and inspection.
- B. INDOT shall coordinate with the City in developing plans for construction and installation of the Project, including a development schedule (hereinafter, the “Development Schedule”). The City understands and agrees that INDOT shall make all final decisions concerning the design, construction, installation, schedule, and specifications of/for the Project; provided, however, that if the Water Main (including the design thereof) is or will be substantially altered in a way that affects its then-current functioning, then INDOT shall notify the City of any such alteration and coordinate the alteration, including the expense thereof, with the City’s Water Utility Office in order for public water quality and safety to be maintained. INDOT shall provide the City with the final Project design, construction, schedule, and specifications upon request therefor.

- C. INDOT, in its sole discretion, may choose to let the Project using one single contract for all construction, or may let multiple construction contracts for the Project. Further, INDOT may choose to let the Project as a design-build, design-bid-build, or best value contract.
- D. INDOT will let and award the Project construction through its usual processes. INDOT anticipates that letting for the Project will occur on or around February 5, 2020. Construction and installation of the Project is projected to be started and completed in calendar year 2020.
- E. INDOT will manage, administer, inspect, and supervise the Project on a day-to-day basis in accordance with any permits, applicable laws, and INDOT policies, procedures, and specifications. INDOT will endeavor to pursue the construction and installation of the Project in accordance with the Development Schedule whenever possible.
- F. Subject to the City's responsibilities in Section 3.2 of this Agreement, INDOT shall be responsible for maintaining, repairing, and regulating the Project until completion of construction and installation of the Project and final acceptance by the City and INDOT.
- G. INDOT shall be responsible for all funding for the Project, including materials, equipment, and labor, not provided by the City.

2.3 The City' Responsibilities.

The City's responsibilities shall include, but are not limited to, the following:

- A. The City shall cooperate with INDOT to ensure successful completion of the Project.
- B. Wherever in this Agreement any obligation or responsibility is assumed by the City, same shall be deemed an obligation of the City.
- C. To the extent permitted by law, the City shall indemnify and hold INDOT harmless for any claims arising out of the Project, maintenance of the roadway access, and use of the new traffic lanes and roadway access within INDOT right-of-way. This is in addition to the representations provided under Section 4.22 of this Agreement. This section shall survive termination of this Agreement.
- D. The City shall not erect any signs or structures upon, across, or within INDOT right-of-way without the prior approval of INDOT.
- E. The City is prohibited from transferring, assigning, or conveying the rights under this Agreement to another party without INDOT approval.
- F. The City will not be eligible for relocation benefits for the Project.

- G. The City shall provide funds in the amount of \$104,232.40 toward the Project (the “City Funding”). INDOT will invoice the City for the City Funding during the construction and installation of the Project, and the City agrees to pay the City Funding in one lump sum within 14 days of issuance of the invoice and in accordance with Sections 4.9 and 4.34 of this Agreement. If any cost savings for or related to the Project is realized or discovered after completion of the construction and installation of the Project, the City shall have the opportunity to recoup a portion of such cost savings in accordance with the process and procedures established by INDOT.
- H. Any costs related to change orders during construction of the Water Main and installation of the Lighting Fixtures, including those associated with any modified or additional work requested by the City, shall be the responsibility of the City and paid to INDOT upon receipt of invoice therefor.

2.3 Right of Entry. The City grants INDOT and its contractor(s), subcontractors, representatives, and agents permission to enter upon right-of-way of the City for the purpose of development, installation, construction, repair, adjustment, maintenance, and alteration of the Project and related work.

ARTICLE III
SPECIFIC MAINTENANCE RELATED PROVISIONS

3.1 INDOT’s Responsibilities.

INDOT’s responsibilities shall include, and are limited to, the following:

- A. Subject to the City’s responsibilities in Section 3.2 of this Agreement, INDOT shall be responsible, at its cost and expense, for maintaining, repairing, and regulating the Project prior to completion and final acceptance in accordance with Section 2.2 of this Agreement. Prior to completion and final acceptance of the Project, INDOT shall be responsible, obligated, and liable for the cost and expense of damaged, destroyed, and stolen equipment, supplies, inventory, and fixtures used for or in connection with the construction of the Water Main and/or installation of the Lighting Fixtures.
- B. After completion of construction and installation of the Project and final acceptance by the City and INDOT, INDOT shall have no responsibility, obligation, or liability whatsoever for the maintenance, repair, and regulation of the Water Main and Lighting Fixtures (except for the strain poles which the Lighting Fixtures are attached to) or the cost thereof or for improvements to either the Water Main or Lighting Fixtures.
- C. INDOT may inspect the Water Main and Lighting Fixtures at any time. In the event that INDOT determines, in its sole reasonable discretion, that the City is not adequately maintaining, repairing, or regulating the Water Main and/or Lighting Fixtures in accordance with Section 3.2 of this Agreement, or for any other justified reason (i.e., safety concerns for the traveling public, change in policy, requirement for compliance with federal law or other federal mandate, etc.), INDOT shall notify and discuss with the

City any removal and/or modification of the Intersection, Water Main, or Lighting Fixtures, and INDOT shall coordinate any such removal or modification, including the expense thereof, with the City. Except in cases of emergency (i.e., eminent threat of harm to the traveling public, whether at the Intersection or not), INDOT will provide ninety 90 days written notice to the City that the Water Main and/or Lighting Fixtures must be removed or modified. If the Water Main and/or Lighting Fixtures (including any accompanying structures or improvements) is not removed or modified to INDOT's satisfaction within ninety 90 days of issuance of notice under this Section 3.1, INDOT may remove or modify the Water Main and/or Lighting Fixtures and bill the City for the costs of such removal and/or modification.

- D. This Agreement, in no way, binds INDOT to the issuance of any permit to the City. However, INDOT agrees, in good faith, to review the City's application, and if appropriate, issue a permit to the City.

3.2 The City's Responsibilities.

The City's responsibilities shall include, but are not limited to, the following:

- A. Prior to completion and final acceptance of the Project, the City shall not be responsible, obligated, or liable for any cost or expense of damaged, destroyed, and stolen equipment, supplies, inventory, and fixtures used for or in connection with the construction of the Water Main and/or installation of the Lighting Fixtures.
- B. Upon completion of construction and installation of the Project and final acceptance by the City and INDOT, the City shall be responsible, obligated, and liable, at its sole cost and expense, for maintaining, repairing, and regulating the Water Main and Lighting Fixtures (except for the strain poles which the Lighting Fixtures are attached to), including any portions located upon, across, and/or within INDOT right-of-way, in accordance with current INDOT Standard Specifications. The City shall perform, or cause to be performed, all necessary routine, ongoing, and other maintenance and repairs of and for the Water Main and Lighting Fixtures. The City shall undertake maintenance and repairs of and for the Water Main and Lighting Fixtures as needed to ensure the safety of the traveling public and others at, in, and around the Intersection. Additionally, the City will ensure that the Water Main's and Lighting Fixtures' appearance are maintained and the Water Main and Lighting Fixtures will cause no unreasonable interference with road/highway purposes and use.
- C. Upon completion of construction and installation of the Project and final acceptance by the City and INDOT, the City shall be responsible for supplying the electrical and/or other power source(s) to and for the Lighting Fixtures. The City shall be responsible for the account management, and obligated to the provider(s) and other parties, for payment of all power, utility, and other costs for and related to the Lighting Fixtures.
- D. After completion of construction and installation of the Water Main and Lighting Fixtures, if the City seeks to construct or install additional improvements for or related to

the Water Main or Lighting Fixtures upon, across, or within INDOT right-of-way, prior to such construction or installation the City shall submit a design plan to the INDOT Crawfordsville District for review and approval as well as any additional necessary permit applications.

ARTICLE IV
GENERAL PROVISIONS

4.1 Access to Records. The City shall maintain all books, documents, papers, correspondence, accounting records and other evidence pertaining to the costs incurred under this Agreement, and shall make such materials available at their respective offices at all reasonable times during the period of this Agreement and for 10 years from the date of final payment, if any, under the terms of this Agreement, for inspection or audit by INDOT, or its authorized representative, and copies thereof shall be furnished free of charge, if requested by INDOT. The City agrees that, upon request by any Party or state or federal agency participating in federally-assisted programs with whom the City has agreed to or seeks to agree to, INDOT may release or make available to the agency any working papers from an audit performed by INDOT of the City in connection with this Agreement, including any books, documents, papers, correspondence, accounting records and other documentation which support or form the basis for the audit conclusions and judgments.

4.2 Assignment; Successors. [OMITTED – NOT APPLICABLE]

4.3 Assignment of Antitrust Claims. [OMITTED – NOT APPLICABLE]

4.4 Audits. The City acknowledges that it may be required to submit to an audit of funds, if any, paid through this Agreement. Any such audit shall be conducted in accordance with IC §5-11-1, *et seq.*, and audit guidelines specified by the State.

4.5 Authority to Bind the City. The signatory for the City represents that he/she has been duly authorized to execute this Agreement on behalf of the City and has obtained all necessary or applicable approvals to make this Agreement fully binding upon the City when his/her signature is affixed, and accepted by the State.

4.6 Changes in Work. The City shall not commence any additional work or change the scope of the work until authorized in writing by the State. This Agreement may only be amended, supplements, or modified by a written document executed in the same manner as this Agreement.

4.7 Certification for Federal-Aid Contracts Lobbying Activities. The City certifies, by signing and submitting this Agreement, to the best of its knowledge and belief that the City has complied with Section 1352, Title 31, U.S. Code, and specifically, that:

- A. No federal appropriated funds have been paid or will be paid, by or on behalf of the City, to any person for influencing or attempting to influence an officer or employee of any federal agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any federal agreements, the making of any federal grant, the making of any federal loan, the entering

into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any federal agreement, grant, loan, or cooperative agreement.

- B. If any funds other than federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any federal agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with such federal agreement, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL "Disclosure Form to Report Lobbying," in accordance with its instructions.
- C. The City also agrees by signing this Agreement that it shall require that the language of this certification be included in all contractor agreements including lower tier subcontracts, which exceed \$100,000, and that all such sub recipients shall certify and disclose accordingly. Any person who fails to sign or file this required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each failure

4.8 Compliance with Laws.

- A. The City shall comply with all applicable federal, state, and local laws, rules, regulations, and ordinances, and all provisions required thereby to be included herein are hereby incorporated by reference. The enactment or modification of any applicable state or federal statute or the promulgation of rules or regulations thereunder after execution of this Agreement shall be reviewed by the State and the City to determine whether the provisions of this Agreement require formal modification.
- A. The City and its agents shall abide by all ethical requirements that apply to persons who have a business relationship with the State as set forth in IC §4-2-6, *et seq.*, IC §4-2-7, *et seq.* and the regulations promulgated thereunder. **If the City has knowledge, or would have acquired knowledge with reasonable inquiry, that a state officer, employee, or special state appointee, as those terms are defined in IC §4-2-6-1, has a financial interest in the Agreement, the City shall ensure compliance with the disclosure requirements in IC §4-2-6-10.5 prior to the execution of this Agreement.** If the City is not familiar with these ethical requirements, the City should refer any questions to the Indiana State Ethics Commission, or visit the Inspector General's website at <http://www.in.gov/ig/>. If the City or its agents violate any applicable ethical standards, the State may, at its sole discretion, terminate this Agreement immediately upon notice to the City. In addition, the City may be subject to penalties under IC §§4-2-6, 4-2-7, 35-44.1-1-4, and under any other applicable laws.
- B. [OMITTED – NOT APPLICABLE]
- C. [OMITTED – NOT APPLICABLE]
- D. [OMITTED – NOT APPLICABLE]

E. The City warrants that the City and its contractors and subcontractors, if any, shall obtain and maintain all required permits, licenses, registrations, and approvals, and shall comply with all health, safety, and environmental statutes, rules, or regulations in the performance of work activities for the State. Failure to do so may be deemed a material breach of this Agreement and grounds for immediate termination and denial of further work with the State.

F. [OMITTED – NOT APPLICABLE]

G. As required by IC §5-22-3-7:

- (1) The City and any principals of the City certify that:
 - (A) the City, except for de minimis and nonsystematic violations, has not violated the terms of:
 - (i) IC §24-4.7 [Telephone Solicitation of Consumers];
 - (ii) IC §24-5-12 [Telephone Solicitations]; or
 - (iii) IC §24-5-14 [Regulation of Automatic Dialing Machines];in the previous 365 days, even if IC §24-4.7 is preempted by federal law; and
 - (B) the City will not violate the terms of IC §24-4.7 for the duration of the Agreement, even if IC §24-4.7 is preempted by federal law.
- (2) The City and any principals of the City certify that an affiliate or principal of the City and any agent acting on behalf of the City or on behalf of an affiliate or principal of the City, except for de minimis and nonsystematic violations,
 - (A) has not violated the terms of IC §24-4.7 in the previous 365 days, even if IC §24-4.7 is preempted by federal law; and
 - (B) will not violate the terms of IC §24-4.7 for the duration of the Agreement, even if IC §24-4.7 is preempted by federal law.

4.9 Condition of Payment. All services provided by the City under this Agreement must be performed to the State's reasonable satisfaction, as determined at the discretion of the undersigned State representative and in accordance with all applicable federal, state, local laws, ordinances, rules and regulations. The State shall not be required to pay for work found to be unsatisfactory, inconsistent with this Agreement or performed in violation of federal, state or local statute, ordinance, rule or regulation.

4.10 Confidentiality of State Information. [OMITTED – NOT APPLICABLE]

4.11 Continuity of Services. [OMITTED – NOT APPLICABLE]

4.12 Debarment and Suspension. [OMITTED – NOT APPLICABLE]

4.13 Default by State. [OMITTED – NOT APPLICABLE]

4.14 Disputes. [OMITTED – NOT APPLICABLE]

4.15 Drug Free Workplace Certification. As required by Executive Order No. 90-5 dated April 12, 1990, issued by the Governor of Indiana, the City hereby covenants and agrees to make a

good faith effort to provide and maintain a drug-free workplace. The City will give written notice to the State within 10 days after receiving actual notice that the City, or an employee of the City in the State of Indiana, has been convicted of a criminal drug violation occurring in the workplace. False certification or violation of this certification may result in sanctions including, but not limited to, suspension of contract payments, termination of this Agreement and/or debarment of contracting opportunities with the State for up to three years.

In addition to the provisions of the above paragraph, if the total amount set forth in this Agreement is in excess of \$25,000.00, the City certifies and agrees that it will provide a drug-free workplace by:

- A. Publishing and providing to all of its employees a statement notifying them that the unlawful manufacture, distribution, dispensing, possession or use of a controlled substance is prohibited in the City's workplace, and specifying the actions that will be taken against employees for violations of such prohibition;
- B. Establishing a drug-free awareness program to inform its employees of (1) the dangers of drug abuse in the workplace; (2) the City's policy of maintaining a drug-free workplace; (3) any available drug counseling, rehabilitation and employee assistance programs; and (4) the penalties that may be imposed upon an employee for drug abuse violations occurring in the workplace;
- C. Notifying all employees in the statement required by subparagraph (A) above that as a condition of continued employment, the employee will (1) abide by the terms of the statement; and (2) notify the City of any criminal drug statute conviction for a violation occurring in the workplace no later than five days after such conviction;
- D. Notifying the State in writing within 10 days after receiving notice from an employee under subdivision (C)(2) above, or otherwise receiving actual notice of such conviction;
- E. Within thirty 30 days after receiving notice under subdivision (C)(2) above of a conviction, imposing the following sanctions or remedial measures on any employee who is convicted of drug abuse violations occurring in the workplace: (1) taking appropriate personnel action against the employee, up to and including termination; or (2) requiring such employee to satisfactorily participate in a drug abuse assistance or rehabilitation program approved for such purposes by a federal, state or local health, law enforcement, or other appropriate agency; and
- F. Making a good faith effort to maintain a drug-free workplace through the implementation of subparagraphs (A) through (E) above.

4.16 Employment Eligibility Verification. As required by IC §22-5-1.7, the City swears or affirms under the penalties of perjury that the City does not knowingly employ an unauthorized alien. The City further agrees that:

- A. The City shall enroll in and verify the work eligibility status of all its newly hired employees through the E-Verify program as defined in IC §22-5-1.7-3. The City is not required to participate should the E-Verify program cease to exist. Additionally, the City is not required to participate if the City does not employ any employees.
- B. The City shall not knowingly employ or contract with an unauthorized alien. The City shall not retain an employee or contract with a person that the City subsequently learns is an unauthorized alien.
- C. The City shall require its contractors and subcontractors, who perform work under this Agreement, to certify to the City that the contractor or subcontractor does not knowingly employ or contract with an unauthorized alien and that the contractor or subcontractor has enrolled and is participating in the E-Verify program. The City agrees to maintain this certification throughout the duration of the term of a contract with a contractor or subcontractor.

The State may terminate for default if the City fails to cure a breach of this provision no later than thirty 30 days after being notified by the State.

4.17 Employment Option. [OMITTED – NOT APPLICABLE]

4.18 Force Majeure. In the event that either Party is unable to perform any of its obligations under this Agreement or to enjoy any of its benefits because of natural disaster or decrees of governmental bodies not the fault of the affected Party (hereinafter referred to as a “Force Majeure Event”), the Party who has been so affected shall immediately or as soon as is reasonably possible under the circumstances give notice to the other Party and shall do everything possible to resume performance. Upon receipt of such notice, all obligations under this Agreement shall be immediately suspended. If the period of nonperformance exceeds thirty 30 days from the receipt of notice of the Force Majeure Event, the Party whose ability to perform has not been so affected may, by giving written notice, terminate this Agreement.

4.19 Funding Cancellation. As required by Financial Management Circular 2007-1 and IC §5-22-17-5, when the Director of the State Budget Agency makes a written determination that funds are not appropriated or otherwise available to support continuation of the performance of this Agreement, this Agreement shall be canceled. A determination by the Director of State Budget Agency that funds are not appropriated or otherwise available to support continuation of performance shall be final and conclusive.

4.20 Governing Law. This Agreement shall be governed, construed, and enforced in accordance with the laws of the State of Indiana, without regard to its conflict of laws rules. Suit, if any, must be brought in the State of Indiana.

4.21 HIPAA Compliance. [OMITTED – NOT APPLICABLE]

4.22 Indemnification. The City agrees to indemnify, defend, and hold harmless the State, its agents, officials, and employees from all third party claims and suits including court costs,

attorney's fees, and other expenses caused by any act or omission of the City and/or its agents, officials, employees, contractors and subcontractors, if any, in the performance of this Agreement. The State shall not provide such indemnification to the City.

4.23 Independent Entity; Workers' Compensation Insurance. The City is performing as an independent entity under this Agreement. No part of this Agreement shall be construed to represent the creation of an employment, agency, partnership or joint venture agreement between the Parties. Neither Party will assume liability for any injury (including death) to any persons, or damage to any property, arising out of the acts or omissions of the agents, employees, contractors or subcontractors of the other Party. The City shall provide all necessary unemployment and workers' compensation insurance for the City's employees, and shall provide the State with a Certificate of Insurance evidencing such coverage prior to starting work under this Agreement.

4.24 Information Technology Enterprise Architecture Requirements. [OMITTED – NOT APPLICABLE]

4.25 Insurance. The City shall cause and require the contractors and subcontractors servicing and maintaining the Water Main and/or Lighting Fixtures to secure and keep in force during the term of this Agreement the insurance coverages specified in the 2020 INDOT Standard Specifications.

4.26 Key Person(s). [OMITTED – NOT APPLICABLE]

4.27 Licensing Standards. The City, its employees, contractors and subcontractors shall comply with all applicable licensing standards, certification standards, accrediting standards and any other laws, rules, or regulations governing services to be provided by the City pursuant to this Agreement. The State will not approve any study, plans or work performed by the City when the City, its employees, contractors or subcontractors are not in compliance with such applicable standards, laws, rules, or regulations. If any license, certification or accreditation expires or is revoked, or any disciplinary action is taken against an applicable license, certification, or accreditation, the City shall notify the State immediately and the State, at its option, may immediately terminate this Agreement.

4.28 Merger & Modification. This Agreement constitutes the entire agreement between the Parties. No understandings, agreements, or representations, oral or written, not specified within this Agreement will be valid provisions of this Agreement. This Agreement may not be modified, supplemented, or amended, except by written agreement signed by all Parties.

4.29 Minority and Women's Business Enterprises Compliance. [OMITTED – NOT APPLICABLE]

4.30 Nondiscrimination.

- A. Pursuant to the Indiana Civil Rights Law, specifically including IC §22-9-1-10, and in keeping with the purposes of the Civil Rights Act of 1964, the Age Discrimination in Employment Act, and the Americans with Disabilities Act, the City . covenants that it

shall not discriminate against any employee or applicant for employment relating to this Agreement with respect to the hire, tenure, terms, conditions or privileges of employment or any matter directly or indirectly related to employment, because of the employee's or applicant's race, color, national origin, religion, sex, age, disability, ancestry, or status as a veteran or any other characteristic protected by federal, state or local law ("Protected Characteristics"). The City certifies compliance with applicable federal laws, regulations and executive orders prohibiting discrimination based on the Protected Characteristics in the provision of services. Breach of this covenant may be regarded as a material breach of this Agreement, but nothing in this covenant shall be construed to imply or establish an employment relationship between the State and any applicant or employee of the City or any contractor or subcontractor.

- B. INDOT is a recipient of federal funds, and therefore, were applicable, the City and any contractors or subcontractors shall comply with requisite affirmative action requirements, including reporting, pursuant to 41 CFR Chapter 60, as amended, and Section 202 of Executive Order 11246 as amended by Executive Order 13672.

The City agrees that if the City employs fifty (50) or more employees and does at least \$50,000.00 worth of business with the State and is not exempt, the City will comply with the affirmative action reporting requirements of 41 CFR 60-1.7. The City shall comply with Section 202 of executive order 11246, as amended, 41 CFR 60-250, and 41 CFR 60-741, as amended, which are incorporated herein by reference. Breach of this covenant may be regarded as a material breach of this Agreement.

It is the policy of INDOT to assure full compliance with Title VI of the Civil Rights Act of 1964, the Americans with Disabilities Act and Section 504 of the Vocational Rehabilitation Act and related statutes and regulations in all programs and activities. Title VI and related statutes require that no person in the United States shall on the grounds of race, color or national origin be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any program or activity receiving federal financial assistance. (INDOT's nondiscrimination enforcement is broader than the language of Title VI and encompasses other State and federal protections. INDOT's nondiscrimination enforcement shall include the following additional grounds: sex, sexual orientation, gender identity, ancestry, age, income status, religion, disability, limited English proficiency, or status as a veteran.)

- C. During the performance of this Agreement, the City, for itself, its assignees and successors in interest (hereinafter referred to as the "City") agrees to the following assurances under Title VI of the Civil Rights Act of 1964:
 - 1. Compliance with Regulations: The City shall comply with the regulations relative to nondiscrimination in federally-assisted programs of the Department of Transportation, Title 49 CFR Part 21, as they may be amended from time to time (hereinafter referred to as the Regulations), which are incorporated herein by reference and made a part of this Agreement.

2. Nondiscrimination: The City, with regard to the work performed by it during the Agreement, shall not discriminate on the grounds of race, color, sex, sexual orientation, gender identity, national origin, religion, disability, ancestry, or status as a veteran in the selection and retention of contractors or subcontractors, including procurements of materials and leases of equipment. The City shall not participate either directly or indirectly in the discrimination prohibited by Section 21.5 of the Regulation, including employment practices when the Agreement covers a program set forth in Appendix B of the Regulations.
3. Solicitations for Subcontracts, Including Procurements of Materials and Equipment: In all solicitations either by competitive bidding or negotiation made by the City for work to be performed under a subcontract, including procurements of materials or leases of equipment, each potential contractor or subcontractor or supplier shall be notified by the City of the City's obligations under this Agreement, and the Regulations relative to nondiscrimination on the grounds of race, color, sex, sexual orientation, gender identity, national origin, religion, disability, ancestry, income status, limited English proficiency, or status as a veteran.
4. Information and Reports: The City shall provide all information and reports required by the Regulations, or directives issued pursuant thereto, and shall permit access to its books, records, accounts, other sources of information, and its facilities as may be determined by INDOT and the Federal Highway Administration to be pertinent to ascertain compliance with such Regulations, orders and instructions. Where any information required of the City is in the exclusive possession of another who fails or refuses furnish this information, the City shall so certify to INDOT or the Federal Highway Administration as appropriate, and shall set forth what efforts it has made to obtain the information.
5. Sanctions for Noncompliance: In the event of the City's noncompliance with the nondiscrimination provisions of this Agreement, INDOT shall impose such contract sanctions as it or the Federal Highway Administration may determine to be appropriate, including, but not limited to: (a) withholding payments to the City under the Agreement until the City complies, and/or (b) cancellation, termination or suspension of the Agreement, in whole or in part.
6. Incorporation of Provisions: The City shall include the provisions of paragraphs 1. through 5. above in every subcontract, including procurements of materials and leases of equipment, unless exempt by the Regulations, or directives issued pursuant thereto.

The City shall take such action with respect to any subcontract or procurement as INDOT or the Federal Highway Administration may direct as a means of enforcing such provisions including sanctions for non-compliance, provided, however, that in the event the City becomes involved in, or is threatened with, litigation with a contractor, subcontractor or supplier as a result of such direction, the City may request INDOT to enter into such litigation to protect the interests of

INDOT, and, in addition, the City may request the United States of America to enter into such litigation to protect the interests of the United States of America.

4.31 Notice to Parties. Whenever any notice, statement or other communication is required under this Agreement, it shall be sent to the following addresses, unless otherwise specifically advised:

A. For INDOT:

INDOT Fort Wayne District
Attn: District Deputy Commissioner
5333 Hatfield Road
Fort Wayne, Indiana 46808
Phone: (866) 227-3555
Email: tjohnson@indot.IN.gov

With copy to:

Chief Legal Counsel and Deputy Commissioner
Indiana Department of Transportation
100 North Senate Avenue, Room N758
Indianapolis, IN 46204
Phone: (317) 232-5383
Email: hkennedy@indot.IN.gov

B. For the City:

City of Goshen, Indiana
Attn: Engineering Department
202 South 5th Street
Goshen, IN 46528
Phone: (574) 534-2201
E-mail: engineering@goshencity.com

As required by IC §4-13-2-14.8, payments to the City shall be made via electronic funds transfer in accordance with instructions filed by the City with the Indiana Auditor of State.

4.32 Order of Precedence; Incorporation by Reference. [OMITTED – NOT APPLICABLE]

4.33 Ownership of Documents and Materials. [OMITTED – NOT APPLICABLE]

4.34 Payments.

- A. All payments, if any, shall be made 35 days in arrears in conformance with State fiscal policies and procedures and, as required by IC §4-13-2-14.8, the direct deposit by electronic funds transfer to the financial institution designated by the City in

writing unless a specific waiver has been obtained from the Indiana Auditor of State. No payments will be made in advance of receipt of the goods or services that are the subject of this Agreement except as permitted by IC §4-13-2-20.

B. [OMITTED – NOT APPLICABLE]

4.35 Penalties, Interest and Attorney’s Fees. INDOT will in good faith perform its required obligations hereunder, and does not agree to pay any penalties, liquidated damages, interest, or attorney’s fees, except as required by Indiana law in part, IC §5-17-5, IC §34-54-8, IC §34-13-1, and IC §34-52-2-3.

Notwithstanding the provisions contained in IC §5-17-5, any liability resulting from the State’s failure to make prompt payment, if any, shall be based solely on the amount of funding originating from the State and shall not be based on funding from federal or other sources.

4.36 Progress Reports. [OMITTED – NOT APPLICABLE]

4.37 Public Record. The City acknowledges that the State will not treat this Agreement as containing confidential information, and will post this Agreement on its website as required by Executive Order 05-07. Use by the public of the information contained in this Agreement shall not be considered an act of the State.

4.38 Renewal Option. [OMITTED – NOT APPLICABLE]

4.39 Severability. The invalidity of any section, subsection, clause or provision of this Agreement shall not affect the validity of the remaining sections, subsections, clauses or provisions of this Agreement.

4.40 Status of Claims. The City shall be responsible for keeping INDOT currently advised as to the status of any claims made for damages against the City resulting from services performed under this Agreement.

4.41 Substantial Performance. This Agreement shall be deemed to be substantially performed only when fully performed according to its terms and conditions and any written amendments or supplements.

4.42 Taxes. The State is exempt from most state and local taxes and many federal taxes. The State will not be responsible for any taxes levied on the City or its contractors or subcontractors as a result of this Agreement.

4.43 Termination for Convenience. [OMITTED – NOT APPLICABLE]

4.44 Termination for Default. [OMITTED – NOT APPLICABLE]

4.45 Travel. [OMITTED – NOT APPLICABLE]

4.46 Indiana Veteran's Business Enterprise Compliance. [OMITTED – NOT APPLICABLE]

4.47 Waiver of Rights. No right conferred on either Party under this Agreement shall be deemed waived, and no breach of this Agreement excused, unless such waiver is in writing and signed by the Party claimed to have waived such right. Neither the State's review, approval or acceptance of, nor payment for, the services required under this Agreement shall be construed to operate as a waiver of any rights under this Agreement or of any cause of action arising out of the performance of this Agreement, and the City shall be and remain liable to the State in accordance with applicable law for all damages to the State caused by the City's negligent performance of any of the services furnished under this Agreement.

4.48 Work Standards. The City shall execute its responsibilities by following and applying at all times the highest professional and technical guidelines and standards (or by ensuring that its contractors and subcontractors do the same). If the State becomes dissatisfied with the work product of or the working relationship with those individuals assigned to work on this Agreement, the State may request in writing the replacement of any or all such individuals, and the City shall grant such request.

4.49 State Boilerplate Affirmation Clause. [OMITTED – NOT APPLICABLE]

[REMAINDER OF PAGE INTENTIONALLY LEFT BLANK]

Non-Collusion and Acceptance

The undersigned attests, subject to the penalties for perjury, that the undersigned is the Party, or that the undersigned is the properly authorized representative, agent, member or officer of the Party. Further, to the undersigned's knowledge, neither the undersigned nor any other member, employee, representative, agent or officer of the Party, directly or indirectly, has entered into or been offered any sum of money or other consideration for the execution of this Agreement other than that which appears upon the face hereof. **Furthermore, if the undersigned has knowledge that a state officer, employee, or special state appointee, as those terms are defined in IC §4-2-6-1, has a financial interest in the Agreement, the Party attests to compliance with the disclosure requirements in IC §4-2-6-10.5.**

In Witness Whereof, the Parties have, through their duly authorized representatives, entered into this Agreement. The Parties, having read and understood the foregoing terms of this Agreement, do by their respective signatures dated below agree to the terms thereof.

CITY OF GOSHEN, INDIANA

Executed by:

Attest:

Jeremy P. Stutsman, Mayor

Adam Scharf, Clerk-Treasurer

Date: _____

Date: _____

INDIANA DEPARTMENT OF TRANSPORTATION

Recommended for approval by:

Todd H. Johnson, District Deputy Commissioner

Date: _____

Executed By:

Joseph McGuinness, Commissioner (FOR)

Date: _____

APPROVALS

STATE OF INDIANA
Office of Management and Budget

By: _____(FOR)
Zachary Q. Jackson, Director

Date: _____

STATE OF INDIANA
Department of Administration

By: _____(FOR)
Lesley A. Crane, Commissioner

Date: _____

Approved as to Form and Legality:
Office of the Attorney General

By: _____(FOR)
Curtis T. Hill, Jr.
Attorney General of Indiana

Date: _____

EXHIBIT A
PROJECT PLANS

[Attached]

PROJECT	DESIGNATION
1383237	1383237
CONTRACT	BRIDGE FILE NO.
R-1182L	NA

Attachment A

INDIANA DEPARTMENT OF TRANSPORTATION

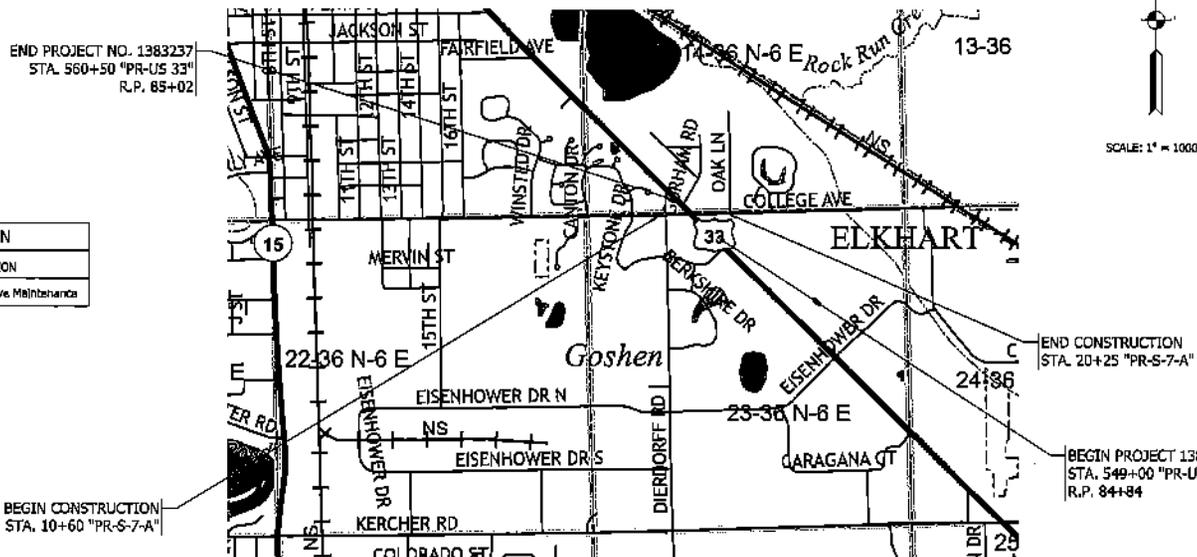


ROAD PLANS

ROUTE: US 33 AT: RP 84+80 TO RP 85+05

PROJECT NO. 1383237 P.E.
1383237 R/W
1383237 CONST.

US 33 Intersection Improvement at College Avenue (CR 38)
Located 2.37 Miles South of SR 4
Sections 14 and 23, T-36-N, R-6-E, Elkhart Township, Elkhart County



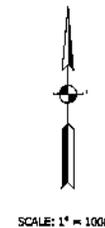
KIN PROJECT INFORMATION	
DESIGNATION	PROJECT DESCRIPTION
1700127	SR 119 HMA Overlay, Preventative Maintenance

TRAFFIC DATA-U.S. 33	
A.A.D.T. (2000)	39,637 V.P.D.
A.A.D.T. (2005)	37,181 V.P.D.
P.H.V.	1365 V.P.P.
DIRECTIONAL DISTRIBUTION	51.4 %
TRUCKS	0.53 % A.A.D.T.
	4.58 % P.H.V.

DESIGN DATA- U.S. 33	
DESIGN SPEED	40 M.P.H.
PROJECT DESIGN CRITERIA	3R (NON-FREEWAY)
FUNCTIONAL CLASSIFICATION	PRINCIPAL ARTERIAL
RURAL/URBAN	URBAN
TRAFFIC	URBAN
ACCESS CONTROL	NONE

TRAFFIC DATA- COLLEGE AVE	
A.A.D.T. (2000)	9,800 V.P.D.
A.A.D.T. (2005)	11,000 V.P.D.
P.H.V.	945 V.P.P.
DIRECTIONAL DISTRIBUTION	60.2 %
TRUCKS	4.66 % A.A.D.T.
	2.17 % P.H.V.

DESIGN DATA- COLLEGE AVE	
DESIGN SPEED	35 M.P.H.
PROJECT DESIGN CRITERIA	3R (NON-FREEWAY)
FUNCTIONAL CLASSIFICATION	PRINCIPAL ARTERIAL
RURAL/URBAN	URBAN
TRAFFIC	URBAN
ACCESS CONTROL	NONE



LATITUDE: 41° 33' 58" N LONGITUDE: 85° 48' 11" W
HYDROLOGIC UNIT CODE: 04050012.0030

Gross Length: 0.36 MI.
Net Length: 0.36 MI
Max. Grade: 1.66 %

INDIANA DEPARTMENT OF TRANSPORTATION
STANDARD SPECIFICATIONS DATED 2020
TO BE USED WITH THESE PLANS



PLANS PREPARED BY: STRAND ASSOCIATES
629 WASHINGTON ST., COLUMBUS, IN 47201
CERTIFIED BY: [Signature] 10/28/14 DATE
APPROVED FOR LETTING: INDIANA DEPARTMENT OF TRANSPORTATION DATE

BRIDGE FILE NO.	NA
DESIGNATION	1383237
SURVEY BOOK	1 of 64
CONTRACT	R-1182
PROJECT	1383237

R/W CODE: 6523

2018-12576
ELKHART COUNTY RECORDER
JENNIFER L. DORJOT
FILED FOR RECORD ON
AS PRESENTED
06/25/2018 12:20 PM

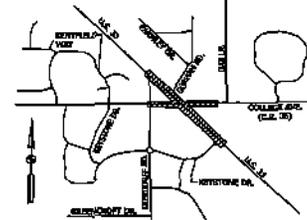
Etica Corporate Office
7172 N. Riverside Ave., Suite G
Indianapolis, IN 46240
317-466-9520
www.eticainc.com

LOCATION CONTROL ROUTE SURVEY FOR INDIANA DEPARTMENT OF TRANSPORTATION (INDOT) IN ASSOCIATION WITH STRAND ASSOCIATES INTERSECTION OF U.S. 33 AND COLLEGE AVE. (C.R. 36), ELKHART COUNTY, INDIANA

NOTE: NOT TO SCALE DUE TO
RECORDING REQUIREMENTS



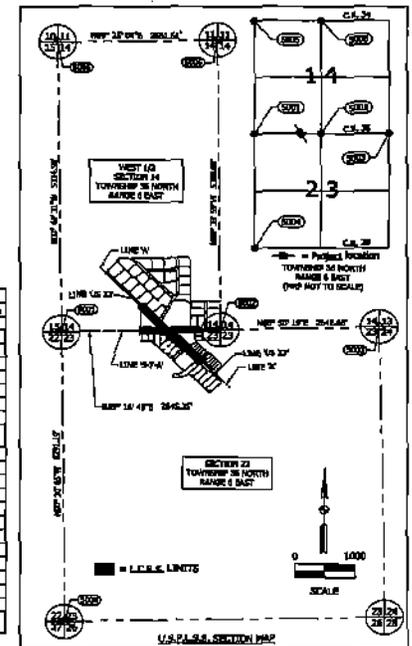
FIELD SURVEY NOTES:
The corners of Right-of-Way adjacent to Parcels 1 and 28 had no legal documents found dedicated to showing said Right-of-Way. In these areas, the adjacent plat (Gordon March Subdivision) shows existing Right-of-Way along 175A Avenue, Parcels 1 and 28. Through Parcels 1 and 28 are depicted with said stationing. These corners are not part of this subject land. Therefore, this boundary is comparable to the LOCAL AS SHOWN (Right-of-Way) and is depicted in yellow and yellow circles will be marked by the contractor as to be placed with Right-of-Way striping at the rear of the lot.



PROJECT LOCATION
VICINITY MAP
(NOT TO SCALE)



STATE MAP
(NOT TO SCALE)



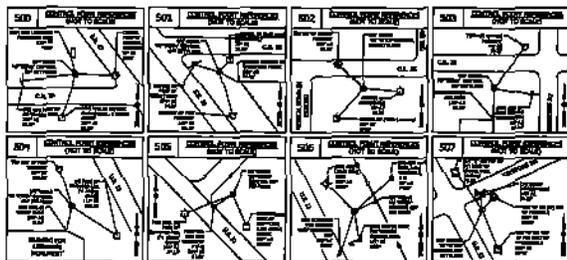
RIGHT-OF-WAY EXPLANATION NOTE:
All Right-of-Way is shown in the yellow and yellow Right-of-Way are per the recorded plat of the adjacent parcel and are intended from Line 112.37 of Line 'G'-A' only.

LINE 'G'-A' RIGHT-OF-WAY:
Line 'G'-A' coincides with the common section line of Section 14 and 22 (See Surveyor's Name for more detailed information).

LINE 'A' RIGHT-OF-WAY EXPLANATION:
Line 'A' is an existing Right-of-Way held for the LOCAL AS SHOWN (Right-of-Way) and is shown on this plat in the yellow and yellow circles only.

LEGEND

- REBAR / SURVEY CONTROL
- FOUND SECTION CORNER
- FOUND MONUMENT
- FOUND NUMBER CALL-OUT
- APP. APPARENT
- APP. RW APPARENT RIGHT-OF-WAY
- APP. PL APPARENT PROPERTY LINE
- APP. LOT LINE APPARENT LOT LINE
- APP. PLG LINE APPARENT SUBDIVISION / PLAT LINE
- APP. PL & LOT LINE APPARENT PROPERTY LINE AND LOT LINE
- APP. BPT APPARENT BOUNDARY POINT
- APP. H.A. BPT APPARENT HORIZONTAL ALIGNMENT
- ES. RW EXISTING RIGHT-OF-WAY



Parcel No.	Owner Name	Acquisition Date/Reference
1	Lafayette Investment Services, LLC	Inst. No. 2010-0460
2	City of Gordon	Volume 288, Page 178
3	Brinkley & Linds in Trust	Inst. No. 20-01-0770
4	Coyle Ray & Wood Joyce Hobbs	Inst. No. 20-02-0714
5	Whitman Corp.	Inst. No. 2008-2714
6	Brian A. Murrey	Inst. No. 2009-0478
7	Whitman Corp.	Inst. No. 2011-2065
8	Whitman Corp.	Inst. No. 2008-0414
9	Franklin B. & Ryan M. Latta with Franklin B. Latta holding a Life Estate	Inst. No. 2007-1849
10	Whitman Corp.	Inst. No. 2002-0699
11	John Gordon Company	Inst. No. 2008-1077
12	J&J Investment, LLC	Inst. No. 2016-1071
13	Donald R. Barclay & Jill Gordon Barclay	Volume 478, Page 270
14	Thomas A. Fralinger	Inst. No. 16-072220
15	Essary Real Property	Inst. No. 2016-2463
16	J.J. Investments, LLC	Inst. No. 2016-2171
17	Opal Investment Group, Inc.	Inst. No. 2011-072220
18	Richard D. & Susan M. Stewart	Inst. No. 2010-0478
19	Tom M. Brock	Inst. No. 2014-0478
20	Elizabeth Ann Schuman	Inst. No. 2007-0207
21	John R. Shuman & Patricia Lammeyer	Inst. No. 2007-0207
22	Philip D. Meier & Cynthia A. Press-Downer	Inst. No. 2013-1218

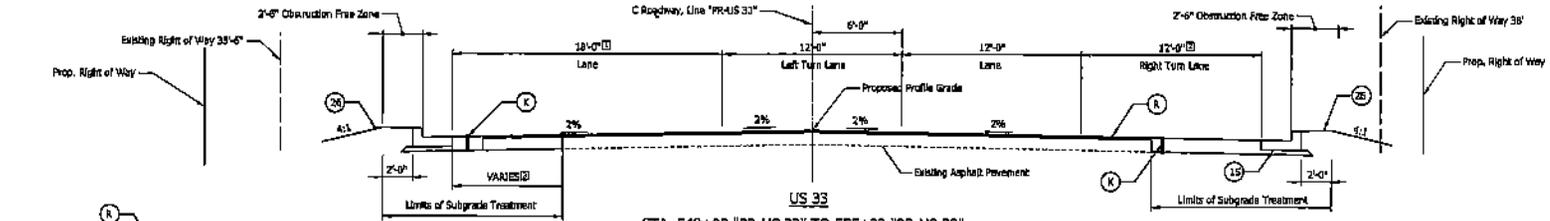
Survey started: 09-25-2017
Survey completed: 12-22-2017
Route plat sheets: 1 of 2

Prepared by: *Richard M. Strick*
Richard M. Strick, PLS
06/25/2018

Indiana Department of Transportation
Location Control Route Survey
U.S. 33 / College Ave. Intersection
(Line 'US 33', Line 'G'-A', Line 'A')

Field Surveyor Statement: This survey to the best of my knowledge and belief is executed according to the provisions of Title 36, I.A.C. 20-2-2 through 20-2-22 regarding route surveys, except that any data shown regarding this location on description of the existing roadway is not a part of this survey.

Project: U.S. 33 / College Ave. Intersection
Contract: 3 1 2 1 64
Project Number: 12576

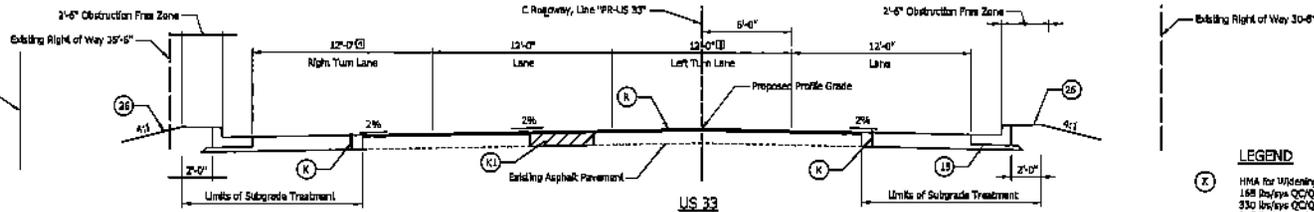


US 33
STA. 549+00 "PR-US 33" TO 555+23 "PR-US 33"

- Transition from 24'-0" at Sta. 552+08 "PR-US 33" to 18'-0" at Sta. 553+08 "PR-US 33"
- Transition from 0'-0" at Sta. 549+27 "PR-US 33" to 12'-0" at Sta. 550+27 "PR-US 33"
- 2'-0" from Sta. 551+18 "PR-US 33" to Sta. 554+00, transition from 2'-0" at Sta. 554+00 "PR-US 33" to 8'-0" at Sta. 555+23 "PR-US 33"

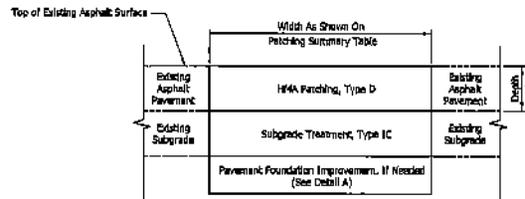
EXISTING CONCRETE CURB DETAIL
No Scale

Existing curb from Sta. 549+00 "PR-US 33" to 552+18 "PR-US 33"

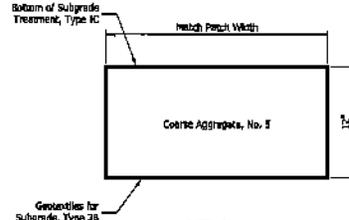


US 33
STA. 555+23 "PR-US 33" TO 560+50 "PR-US 33"

- Transition from 12'-0" at Sta. 557+44 "PR-US 33" to 0'-0" at Sta. 558+44 "PR-US 33"
- Transition from 12'-0" at Sta. 559+50 "PR-US 33" to 0'-0" at Sta. 560+50 "PR-US 33"



FULL-DEPTH HMA PATCHING DETAIL
No Scale



DETAIL A
No Scale

LEGEND

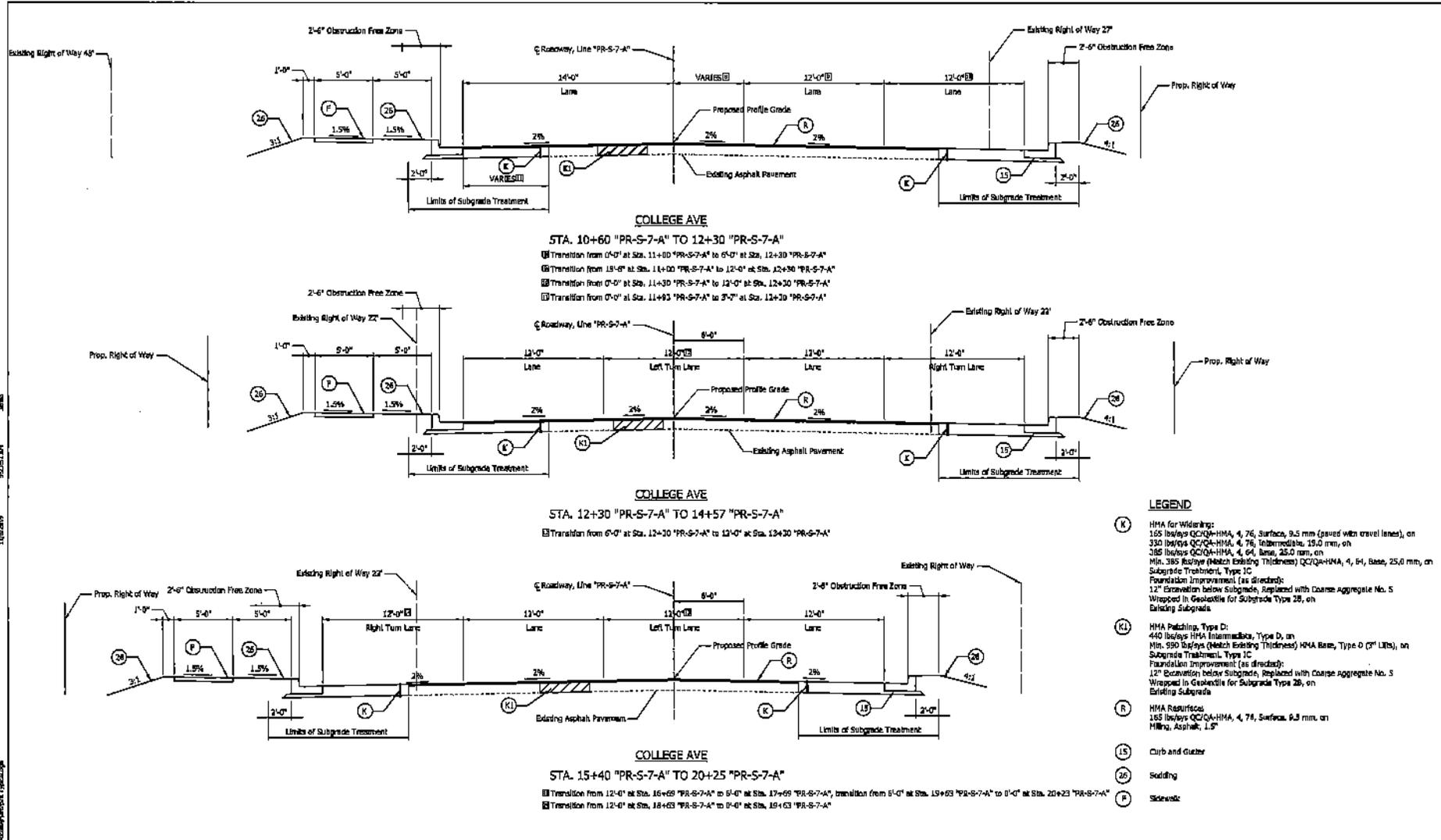
- (X) HMA for Widening:
188 lbs/cy Q/QA-HMA, 4, 75, Surface, 9.5 mm (paved with travel lanes), on 330 lbs/cy Q/QA-HMA, 4, 75, Intermediate, 19.0 mm, on 385 lbs/cy Q/QA-HMA, 4, 64, Base, 25.0 mm, on Min. 385 lbs/cy (Match Existing Thickness) Q/QA-HMA, 4, 64, Base, 25.0 mm, on Subgrade Treatment, Type IC
Foundation Improvement, (as directed);
12" Excavation below Subgrade, Replaced with Coarse Aggregate No. 5 Wrapped in Geotextile for Subgrade Type 2B, on Existing Subgrade
- (K1) HMA Patching, Type D;
440 lbs/cy PMA Intermediate, Type D, on Min. 385 lbs/cy (Match Existing Thickness) HMA Base, Type D (1" Lifts), on Subgrade Treatment, Type IC
Foundation Improvement, (as directed);
12" Excavation below Subgrade, Replaced with Coarse Aggregate No. 5 Wrapped in Geotextile for Subgrade Type 2B, on Existing Subgrade
- (R) HMA Resurfacing:
185 lbs/cy Q/QA-HMA, 4, 75, Surface, 9.5 mm, on Milling Asphalt, 1.5"
- (13) Curb and Gutter
- (26) Sodding
- (P) Sidewalk



RECOMMENDED FOR APPROVAL	<i>[Signature]</i>	10/29/19
DESIGNED BY	DRAWN BY	CHECKED BY
DESIGNED BY	DRAWN BY	CHECKED BY

INDIANA
DEPARTMENT OF TRANSPORTATION
TYPICAL CROSS SECTIONS
US 33 INTERSECTION IMPROVEMENTS

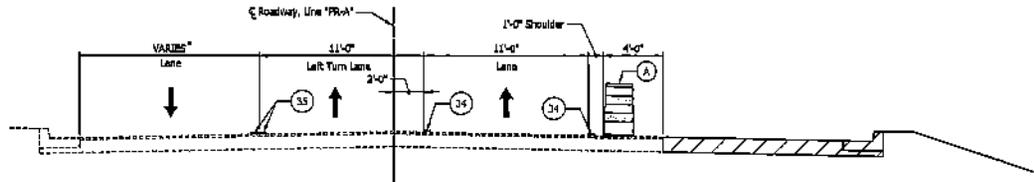
HORIZONTAL SCALE	BRIEF FILE NO.
1" = 10'	
VERTICAL SCALE	DESIGNATION NO.
1" = 1'-0"	192327
SURVEY BOOK NO.	SHEETS
	5 OF 64
CONTRACT NO.	PROJECT NO.
B-41821	192327



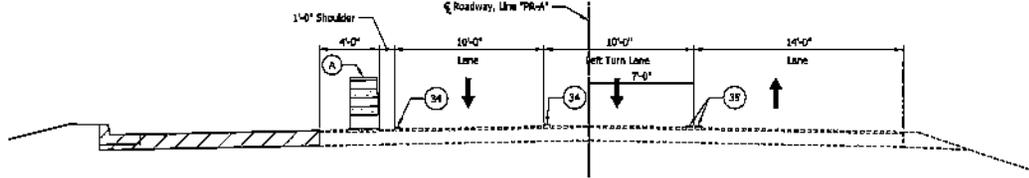
- LEGEND**
- (K) HMA for Widening:
 155 lbs/cy QC/QA-HMA, 4, 76, Surface, 9.5 mm (saved with travel lanes), on
 330 lbs/cy QC/QA-HMA, 4, 76, Intermediate, 19.0 mm, on
 385 lbs/cy QC/QA-HMA, 4, 64, Base, 25.0 mm, on
 Min. 385 lbs/cy (Match Existing Thickness) QC/QA-HMA, 4, 64, Base, 25.0 mm, on
 Subgrade Treatment, Type 1C
 Foundation Improvement (as directed):
 12" Excavation below Subgrade, Replaced with Coarse Aggregate No. 5
 Wrapped in Geotextile for Subgrade Type 28, on
 Existing Subgrade
 - (K1) HMA Patching, Type D:
 440 lbs/cy HMA Intermediate, Type D, on
 Min. 590 lbs/cy (Match Existing Thickness) HMA Base, Type O (7" Lifts), on
 Subgrade Treatment, Type 1C
 Foundation Improvement (as directed):
 12" Excavation below Subgrade, Replaced with Coarse Aggregate No. 5
 Wrapped in Geotextile for Subgrade Type 28, on
 Existing Subgrade
 - (R) HMA Restripes:
 165 lbs/cy QC/QA-HMA, 4, 76, Surface, 9.5 mm, on
 Milling, Asphalt, 1.5"
 - (15) Curb and Gutter
 - (26) Seeding
 - (P) Sloewall

	RECOMMENDED FOR APPROVAL <i>M. H. Hays</i> DESIGN ENGINEER DATE: 10/20/11	INDIANA DEPARTMENT OF TRANSPORTATION TYPICAL CROSS SECTIONS US 33 INTERSECTION IMPROVEMENTS	HORIZONTAL SCALE 1/4" = 1'-0"	BLANK PLAN NO.
	DESIGNED BY: JMH CHECKED BY: JMH		DRAWN: ACS CHECKED: HSA	VERTICAL SCALE 1/4" = 1'-0"
			SURVEY BOOK NO.	SHEETS
			CONTRACT NO. 1-11871	PROJECT NO. 138017

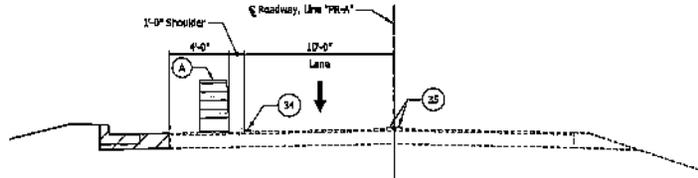
11/26/2019 10:52:03 AM 302783.DWG



US 33
 STA. 549+02 "PR-A" TO 555+23 "PR-A"
 * VARIES FROM 21'-0" OF STA. 549+02 "PR-A" TO 15'-0" AT STA. 552+00 "PR-A"



US 33
 STA. 555+23 "PR-A" TO 558+30 "PR-A"



US 33
 STA. 558+30 "PR-A" TO 560+50 "PR-A"

MAINTENANCE OF TRAFFIC OPERATIONS

- Pre-phase:** Signal work, including installation of controller cabinet, signal poles, main wire, and signal heads.
Phase I: Construct Line "PR-A", Right from 549+02 "PR-A" to 555+23 "PR-A"
 Left from 555+23 "PR-A" to 560+50 "PR-A"
 Construct Line "PR-S-7-A", Left from 10+44 "PR-S-7-A" to 14+50 "PR-S-7-A"
 Right from 15+70 "PR-S-7-A" to 21+23 "PR-S-7-A"
 Construct storm sewer trunk line as specified.
Phase II: Construct Line "PR-A", Left from 549+02 "PR-A" to 555+23 "PR-A"
 Right from 555+23 "PR-A" to 560+50 "PR-A"
 Construct Line "PR-S-7-A", Right from 10+44 "PR-S-7-A" to 14+50 "PR-S-7-A"
 Left from 15+70 "PR-S-7-A" to 21+23 "PR-S-7-A"
Phase III: Mill, Patching, and Resurface
 Temporary Pavement Marking Installation (as directed)
Phase IV: Permanent Pavement Marking Installation

NOTE:

1. Milling, Patching, and Resurfacing operations to be completed under flagging.
2. Storm sewer crossings to be constructed under flagging.
3. Temporary pavement markings to be installed prior to grooving for permanent pavement markings.

LEGEND

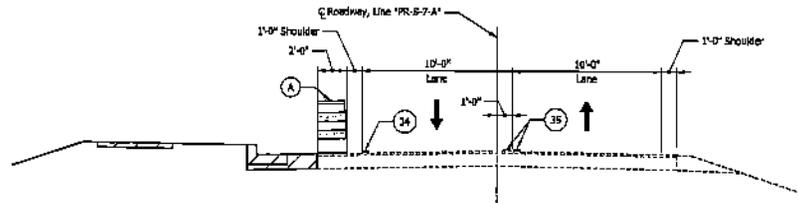
- (A) Standard Drum
- (34) Temporary Pavement Marking, Removable, White, 4"
- (35) Temporary Pavement Marking, Removable, Yellow, 4"
- Area To Be Constructed During Phase I



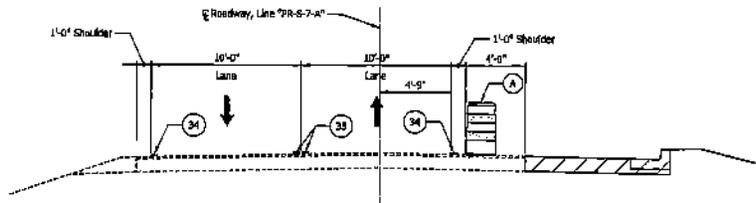
RECOMMENDED FOR APPROVAL	<i>[Signature]</i>	10/21/19
DESIGNER	JMA	DATE
DRAWING	AGB	
CHECKED	JMA	CHECKED
		MAE

INDIANA
 DEPARTMENT OF TRANSPORTATION
 MOT TYPICAL SECTIONS - PHASE I
 US 33 INTERSECTION IMPROVEMENTS

HORIZONTAL SCALE	1/4" = 1'-0"	BRIDGE FILE NO.	
VERTICAL SCALE	1/4" = 1'-0"	DESIGNATION NO.	125837
SURVEY BOOK NO.		SHEET	5
CONTRACT NO.	R-11811	OF	59
PROJECT NO.			125837



COLLEGE AVE
STA. 11+00 "PR-S-7-A" TO 14+42 "PR-S-7-A"



COLLEGE AVE
STA. 15+70 "PR-S-7-A" TO 20+25 "PR-S-7-A"

MAINTENANCE OF TRAFFIC OPERATIONS

- Pre-phase:** Signal work, including installation of controller cabinet, signal poles, stem wire, and signal heads.
- Phase I:** Construct Line "PR-A", Right from 549+02 "PR-A" to 555+23 "PR-A"
Left from 555+23 "PR-A" to 561+50 "PR-A"
- Construct Line "PR-S-7-A", Left from 10+44 "PR-S-7-A" to 14+42 "PR-S-7-A"
Right from 15+70 "PR-S-7-A" to 21+23 "PR-S-7-A"
- Construct storm sewer trunk line as specified.
- Phase II:** Construct Line "PR-A", Left from 549+02 "PR-A" to 559+21 "PR-A"
Right from 559+23 "PR-A" to 561+50 "PR-A"
- Construct Line "PR-S-7-A", Right from 10+44 "PR-S-7-A" to 14+42 "PR-S-7-A"
Left from 15+70 "PR-S-7-A" to 21+23 "PR-S-7-A"
- Phase III:** Mill, Patching, and Resurface
Temporary Pavement Marking Installation (as directed)
- Phase IV:** Permanent Pavement Marking Installation

NOTE:

1. Milling, Patching, and Resurfacing operations to be completed under flagging.
2. Storm sewer crossings to be constructed under flagging.
3. Temporary pavement markings to be installed prior to proceeding for permanent pavement markings.

NOTE TO REVIEWER

The pre-phase for signal work was discussed during the PFC, as the various installers and removals would be involved in multiple phases. However, this would require the signal to be "pre-timed" during construction. Per PFC discussion, a USP is included to coordinate equipping the signal timing with the contractor.

LEGEND

- (A) Standard Drum
- (34) Temporary Pavement Marking, Removable, White, 4"
- (35) Temporary Pavement Marking, Removable, Yellow, 4"
- [Hatched Box] Area To Be Constructed During Phase I



RECOMMENDED FOR APPROVAL	<i>[Signature]</i>	DATE	01/11/14
DESIGNED BY	JNA	DRAWN BY	ACH
CHECKED BY	JNH	CHECKED BY	JAH

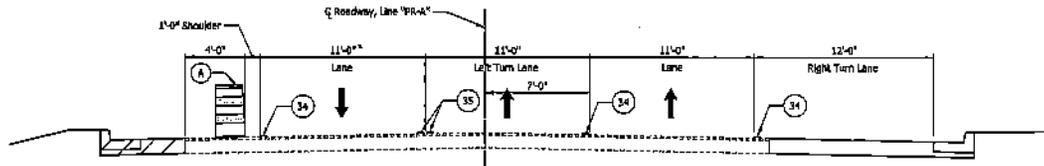
INDIANA
DEPARTMENT OF TRANSPORTATION

MOT TYPICAL SECTIONS - PHASE I
US 33 INTERSECTION IMPROVEMENTS

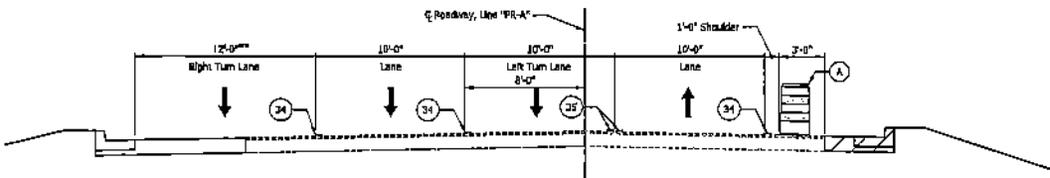
HORIZONTAL SCALE	BRIDGE PLAN NO.
1" = 10'	
VERTICAL SCALE	DESIGNATION NO.
1" = 4'	130323
SURVEY BOOK NO.	SHEETS
	8 of 64
CONTRACT NO.	PROJECT NO.
R-1021	158177

SECTION 01100 - STREETS AND HIGHWAYS - Pavement - Typical

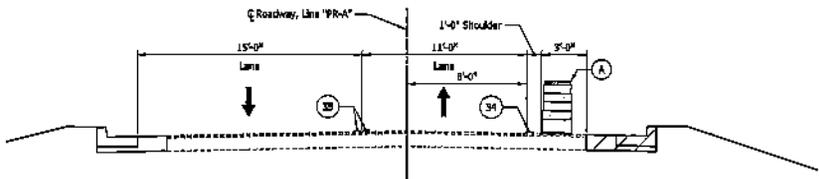
SECTION 500 - INTERSECTION IMPROVEMENTS - TYPICAL



US 33
STA. 549+00 "PR-A" TO 555+23 "PR-A"
 *Varies from 18'-0" at Sta. 551+00 "PR-A" to 11'-0" at Sta. 553+10 "PR-A"



US 33
STA. 555+23 "PR-A" TO 558+45 "PR-A"
 **Varies from 12'-0" at Sta. 557+44 "C" to 0'-0" at Sta. 558+45 "C"



US 33
STA. 558+45 "PR-A" TO 560+50 "PR-A"

MAINTENANCE OF TRAFFIC OPERATIONS

- Pre-phase:** Signal work, including installation of controller cabinet, signal poles, serin wire, and signal heads.
- Phase I:** Construct Line "PR-A", Right from 549+00 "PR-A" to 553+23 "PR-A"
 Left from 555+23 "PR-A" to 561+50 "PR-A"
 Construct Line "PR-S-7-A", Left from 10+44 "PR-S-7-A" to 14+50 "PR-S-7-A"
 Right from 15+70 "PR-S-7-A" to 21+23 "PR-S-7-A"
 Construct storm sewer trunk line as specified.
- Phase II:** Construct Line "PR-A", Left from 549+00 "PR-A" to 555+23 "PR-A"
 Right from 555+23 "PR-A" to 561+50 "PR-A"
 Construct Line "PR-S-7-A", Right from 10+44 "PR-S-7-A" to 14+50 "PR-S-7-A"
 Left from 15+70 "PR-S-7-A" to 21+23 "PR-S-7-A"
- Phase III:** Mill, Patching, and Resurface
 Temporary Pavement Marking Installation (as directed)
- Phase IV:** Permanent Pavement Marking Installation

NOTE:

1. Milling, Patching, and Resurfacing operations to be completed under flagging.
2. Storm sewer crossings to be constructed under flagging.
3. Temporary pavement markings to be installed prior to grooving for permanent pavement markings.

LEGEND

- (A) Standard Drum
- (34) Temporary Pavement Marking, Removable, White, 4"
- (35) Temporary Pavement Marking, Removable, Yellow, 4"
- Area To Be Constructed During Phase II
- Area Constructed During Phase I



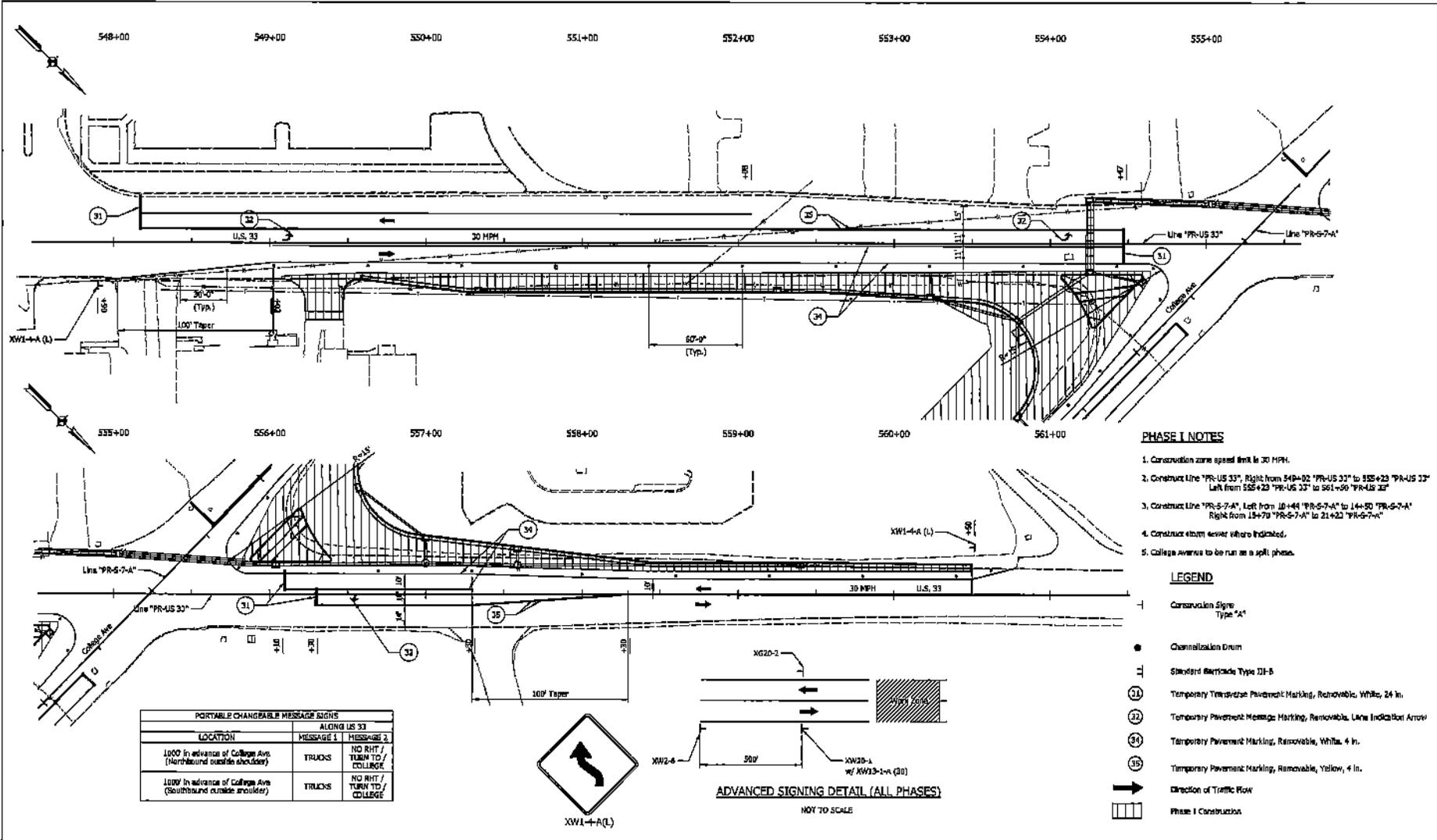
RECOMMENDED FOR APPROVAL *C. M. H.* 10/20/19
 DESIGN ENGINEER DATE

DESIGNED: JMS DRAWN: ACS
 CHECKED: JMH CHECKED: JMS

INDIANA
DEPARTMENT OF TRANSPORTATION

MOT TYPICAL SECTIONS - PHASE II
US 33 INTERSECTION IMPROVEMENTS

HORIZONTAL SCALE 1/4" = 1'-0"	BRIDGE FILE NO.
VERTICAL SCALE 1/4" = 1'-0"	DESIGNATION NO. 154517
SURVEY BOOK NO.	SHEETS 10 of 64
CONTRACT NO. R-4821	PROJECT NO. 154517



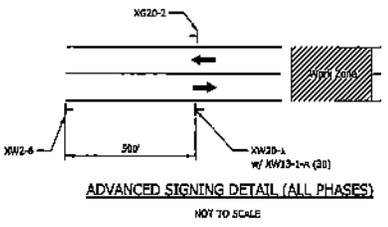
PHASE I NOTES

1. Construction zone speed limit is 30 MPH.
2. Construct Line "PR-US 33", Right from 548+00 "PR-US 33" to 555+20 "PR-US 33"
Left from 555+20 "PR-US 33" to 561+50 "PR-US 33"
3. Construct Line "PR-S-7-A", Left from 548+00 "PR-S-7-A" to 544+50 "PR-S-7-A"
Right from 544+50 "PR-S-7-A" to 561+20 "PR-S-7-A"
4. Construct storm sewer where indicated.
5. College Avenue to be run as a split phase.

LEGEND

- Construction Sign Type "A"
- Channelization Drum
- Standard Baffle Type 21-B
- ① Temporary Temporary Pavement Marking, Removable, White, 24 in.
- ② Temporary Pavement Marking, Removable, Lane Indicator Arrow
- ③ Temporary Pavement Marking, Removable, White, 4 in.
- ④ Temporary Pavement Marking, Removable, Yellow, 4 in.
- ➔ Direction of Traffic Flow
- ▨ Phase I Construction

PORTABLE CHANGABLE MESSAGE SIGNS		
ALONG US 33		
LOCATION	MESSAGE 1	MESSAGE 2
1000' In advance of College Ave (Northbound outside shoulder)	TRUCKS	NO RHT / TURN TD / COLLAGE
1000' In advance of College Ave (Southbound outside shoulder)	TRUCKS	NO RHT / TURN TD / COLLAGE



ADVANCED SIGNING DETAIL (ALL PHASES)
NOT TO SCALE

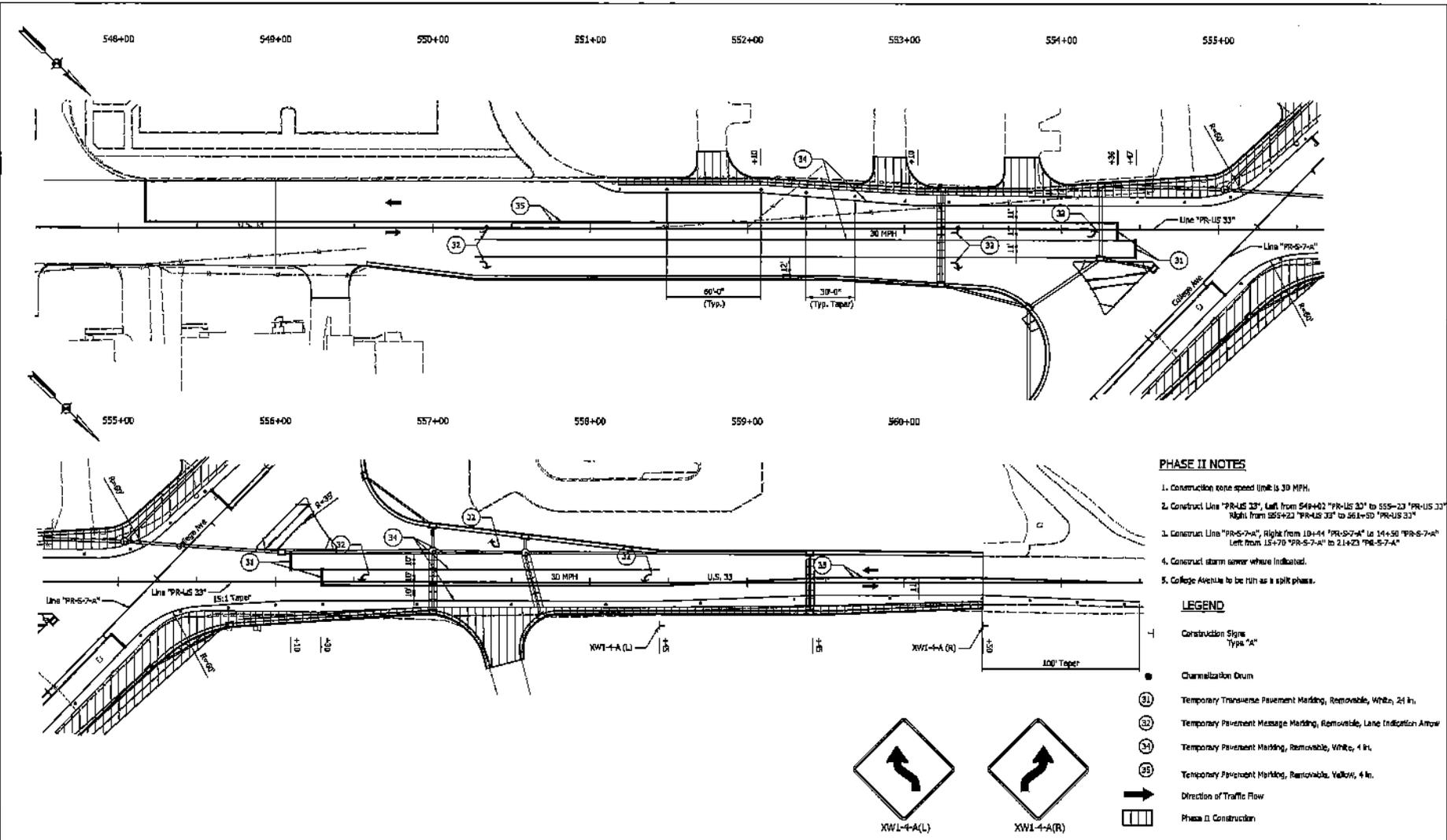
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DESIGNED: JVA	DRAWN: JAE
CHECKED: JPH	CREATED: JAS

INDIANA
DEPARTMENT OF TRANSPORTATION
**MAINTENANCE OF TRAFFIC
LINE "PR-US 33" PHASE I**

HORIZONTAL SCALE 1" = 50'	BRIEF FILE NO.
VERTICAL SCALE 1" = 10'	DESCRIPTION NO. 1318137
DRAWING BOOK NO.	SHEETS 12 OF 64
CONTRACT NO. R-41823	PROJECT NO. 1318137

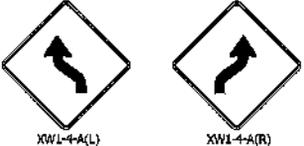


PHASE II NOTES

1. Construction zone speed limit is 30 MPH.
2. Construct Line "PR-US 33", Left from 548+02 "PR-US 33" to 555+23 "PR-US 33" Right from 555+23 "PR-US 33" to 561+30 "PR-US 33"
3. Construct Line "PR-S-7-A", Right from 10+44 "PR-S-7-A" to 14+50 "PR-S-7-A" Left from 15+70 "PR-S-7-A" to 21+23 "PR-S-7-A"
4. Construct storm sewer where indicated.
5. College Avenue to be run as a split phase.

LEGEND

- Construction Signs Type "A"
- Charrrnalization Drum
- 31 Temporary Transverse Pavement Marking, Removable, White, 24 in.
- 32 Temporary Pavement Message Marking, Removable, White, Lane Indication Arrow
- 34 Temporary Pavement Marking, Removable, White, 4 ft.
- 35 Temporary Pavement Marking, Removable, Yellow, 4 in.
- Direction of Traffic Flow
- Phase II Construction

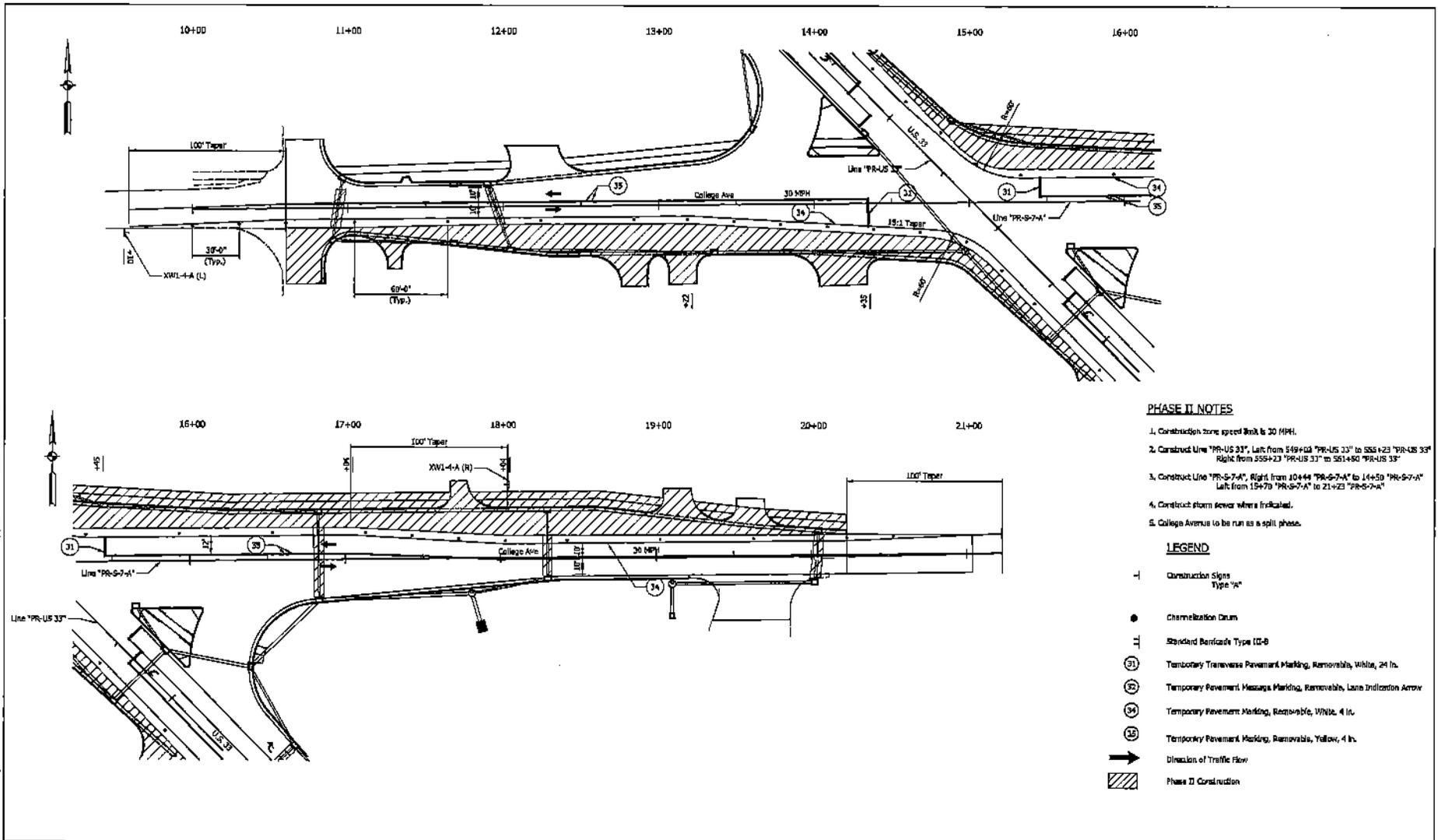


DESIGNED BY	DRAWN BY	CHECKED BY
DATE	DATE	DATE

INDIANA DEPARTMENT OF TRANSPORTATION
 MAINTENANCE OF TRAFFIC LINE "PR-US 33" PHASE II

HORIZONTAL SCALE	BRIDGE FILE NO.
1" = 30'	
VERTICAL SCALE	DESIGNATION NO.
	13A1217
SURVEY BOOK NO.	SHEET
	15 of 64
CONTRACT NO.	PROJECT NO.
R-1921	F30217

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 11/22/2019 10:29 AM



PHASE II NOTES

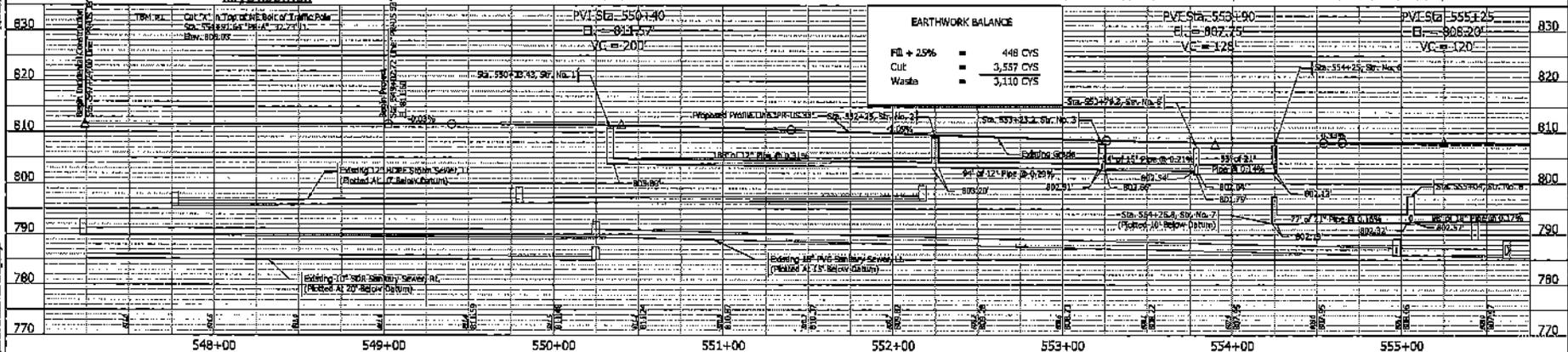
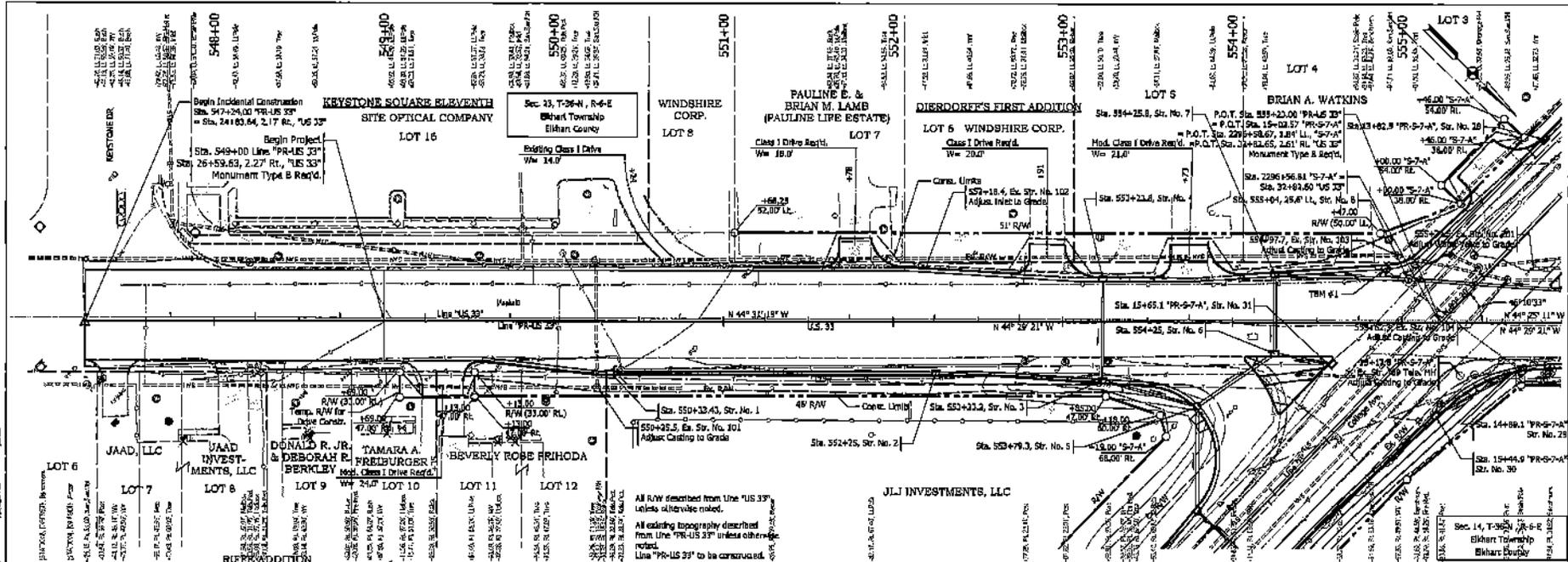
1. Construction zone speed limit to 30 MPH.
2. Construct Line "PR-US 33", Left from 5+19+00 "PR-US 33" to 555+23 "PR-US 33" Right from 559+23 "PR-US 33" to 551+80 "PR-US 33"
3. Construct Line "PR-S-7-A", Right from 10+44 "PR-S-7-A" to 14+50 "PR-S-7-A" Left from 15+70 "PR-S-7-A" to 21+23 "PR-S-7-A"
4. Construct storm sewer where indicated.
5. College Avenue to be run as a split phase.

LEGEND

- | Construction Signs Type 'A'
- Channelization Drum
- Standard Barricade Type (D-B)
- ⊖ Temporary Transverse Pavement Marking, Removable, White, 24 in.
- ⊕ Temporary Pavement Message Marking, Removable, Lane Indication Arrow
- ⊙ Temporary Pavement Marking, Removable, White, 4 in.
- ⊙ Temporary Pavement Marking, Removable, Yellow, 4 in.
- ➔ Direction of Traffic Flow
- ▨ Phase II Construction

	RECOMMENDED FOR APPROVAL <i>C. M. Hays</i> DESIGN ENGINEER DATE: 10/27/14	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE 1" = 30'	BRIDGE FILE NO.
	DESIGNED: JMA DRAWN: ACS CHECKED: JMH CHECKED: JAH	MAINTENANCE OF TRAFFIC LINE "PR-S-7-A" PHASE II	VERTICAL SCALE 1" = 3"	DESIGNATION NO. 12A217
			CONTRACT NO. 14-00000-00	PROJECT NO. 12A217

SECTION 1400 - MAINTENANCE OF TRAFFIC - PHASE II - PLAN AND PROFILE



SEE SHEET 2 FOR CONTROL REFERENCES

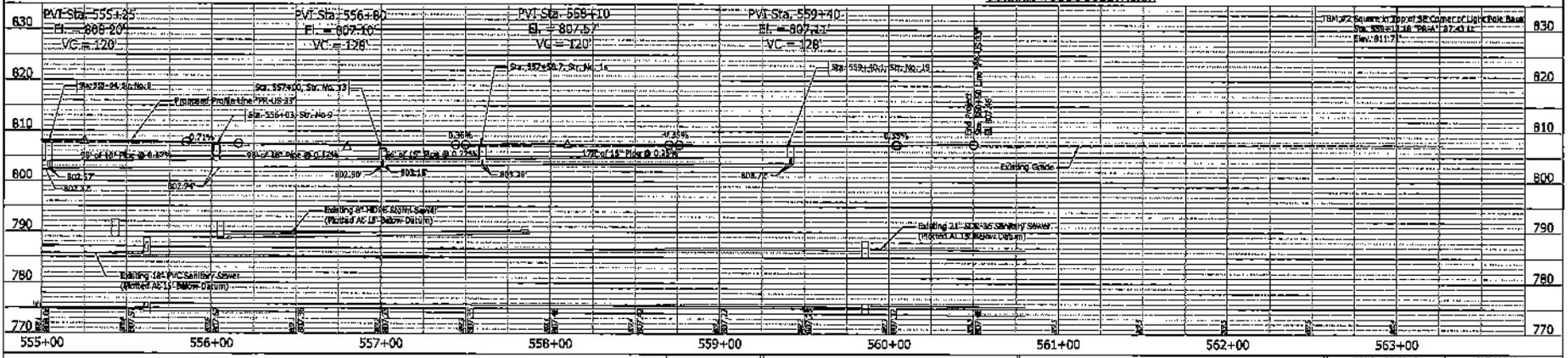
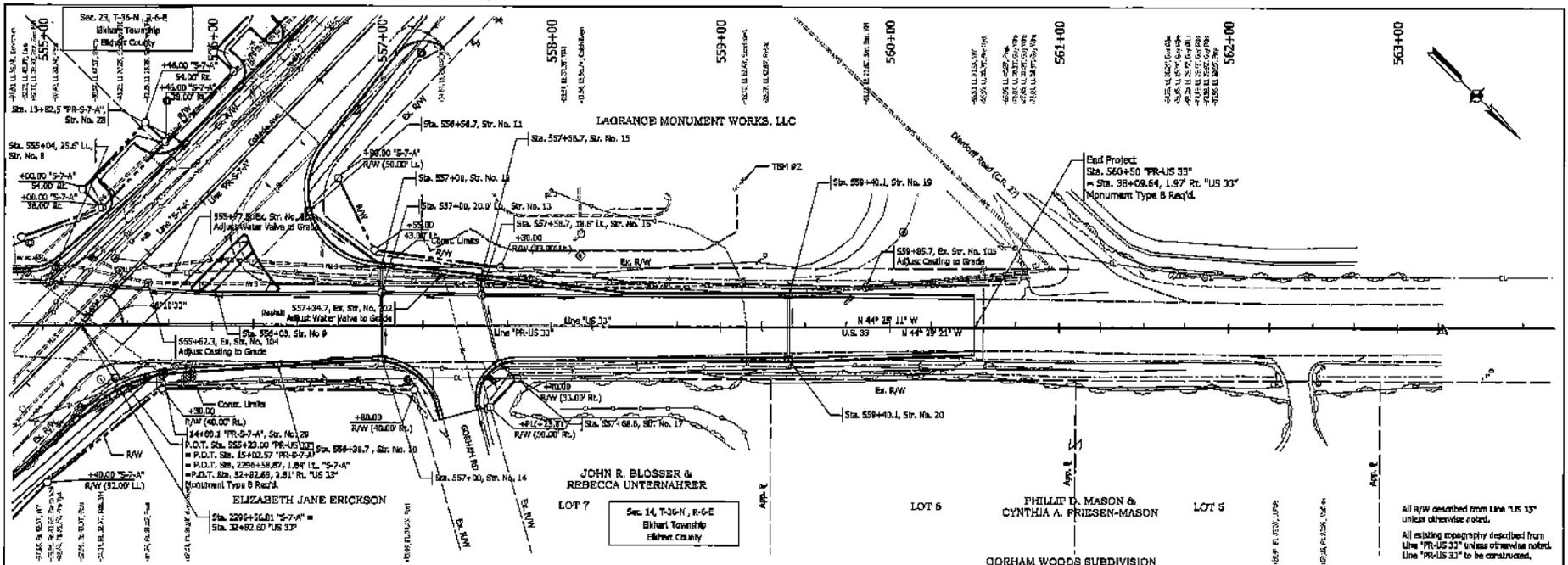


DESIGNED BY: JMS
 CHECKED BY: JMS
 DRAWN BY: ACE
 DESIGN ENGINEER: [Signature]
 DATE: 10/20/16

INDIANA
 DEPARTMENT OF TRANSPORTATION
 PLAN AND PROFILE
 LINE "PR-US 33"

HORIZONTAL SCALE 1" = 40'	GRID FILE NO.
VERTICAL SCALE 1" = 10'	DEPARTMENT NO. L10137
SURVEY BOOK NO.	SHEET 18 OF 24
CONTRACT NO. R-1821	PROJECT NO. 130222

Street Alignment R/W, R/L
Sta. 557+32.66 Line "PR-US 33", W=25.7'



SEE SHEET 2 FOR CONTROL REFERENCES



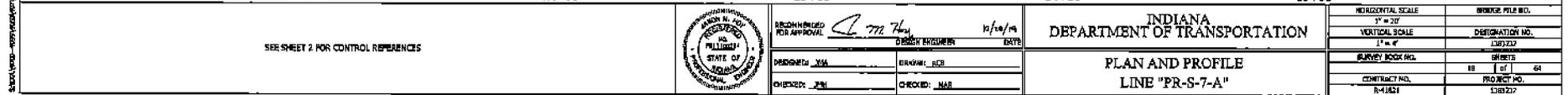
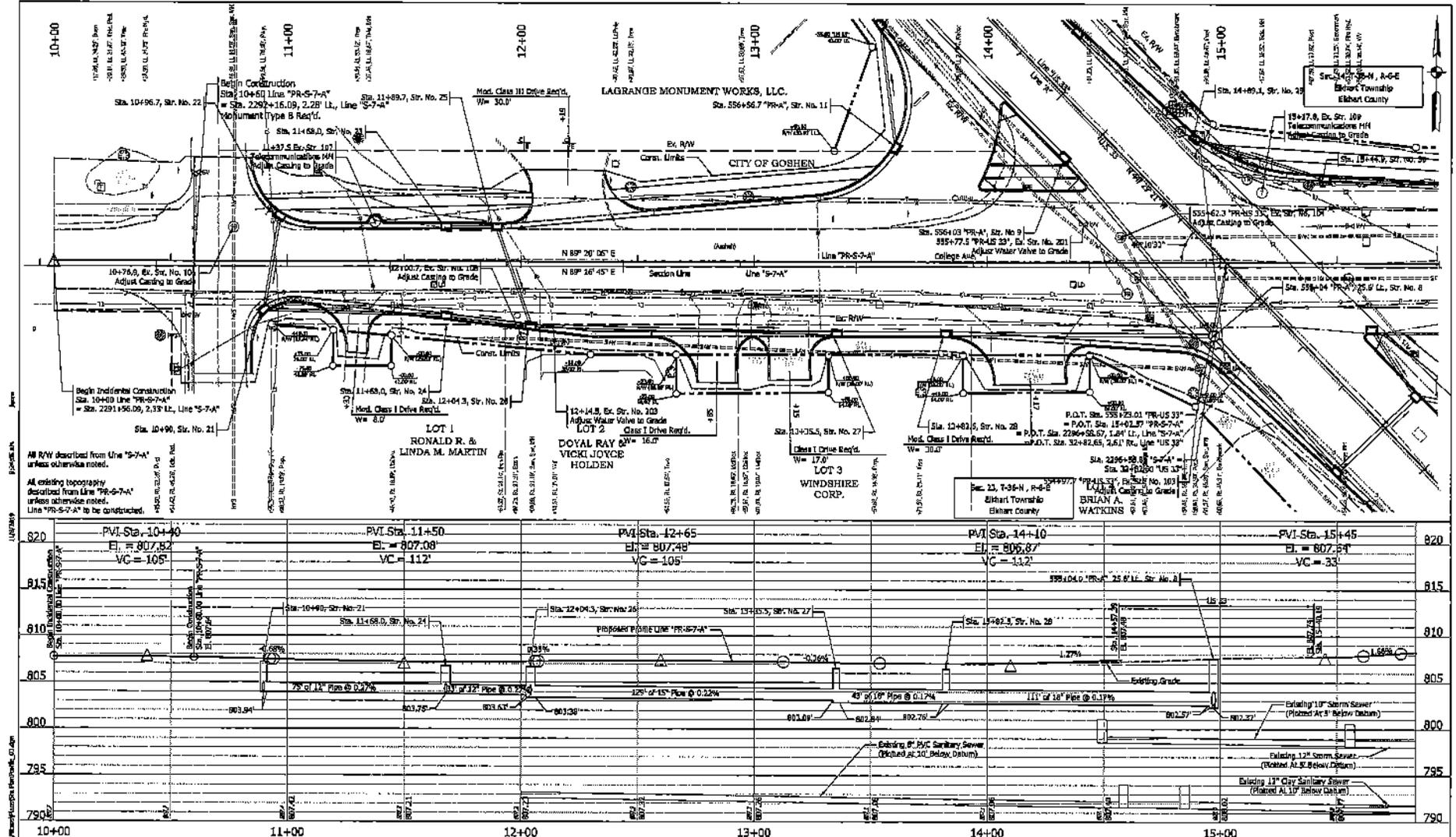
RECOMMENDED FOR APPROVAL
C. M. Hu
 CUSTOM ENGINEER
 DATE: 10/10/11
 DESIGNER: JAK
 DRAWING: GCB
 CHECKED: JAR

INDIANA DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE
 LINE "PR-US 33"

HORIZONTAL SCALE 1" = 30'	BRIDGE FILE NO.
VERTICAL SCALE 1" = 10'	DESIGNATION NO. 13B127
SURVEY BOOK NO.	SHEETS 17 of 24
CONTRACT NO. R-4131	PROJECT NO. 620127

Sheet Name: PR-S-7-A, L1 of 2
 Sta. 10+00.00 Line "PR-S-7-A", W=24.0'



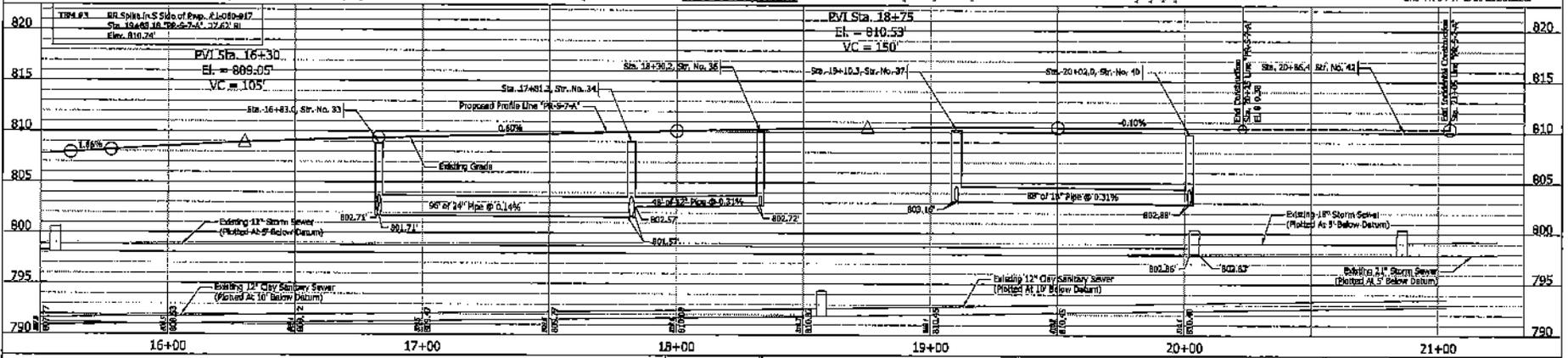
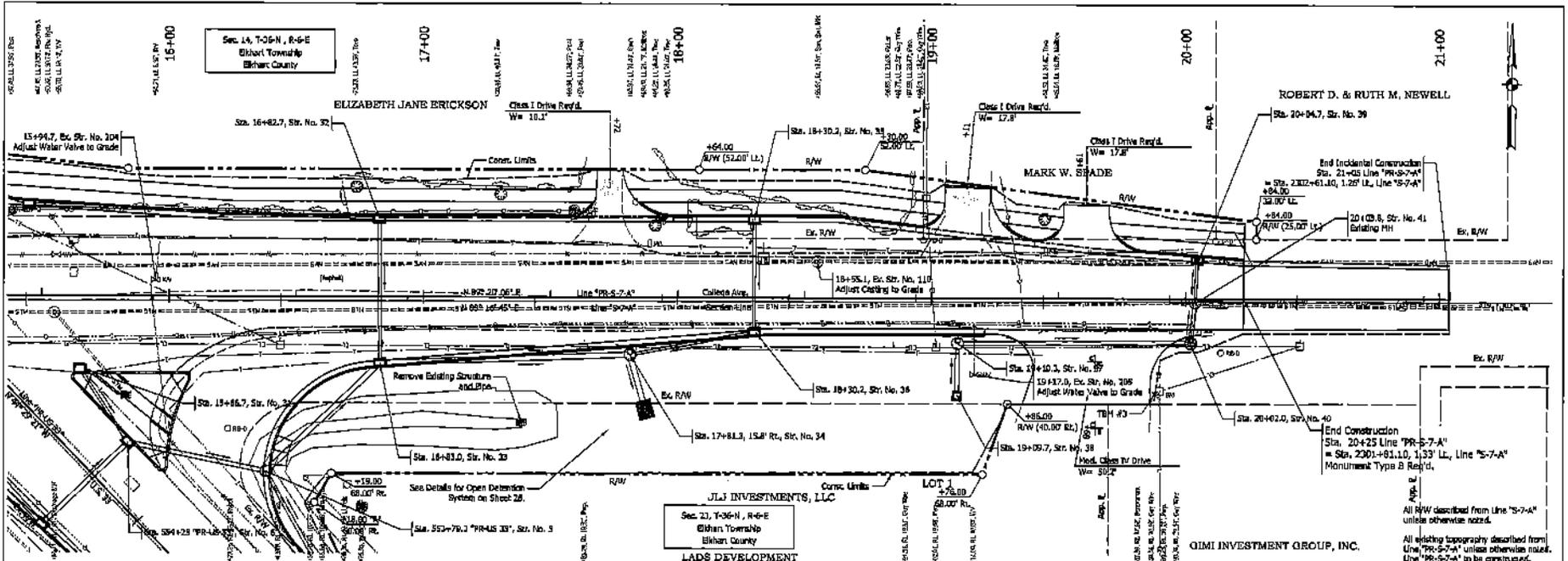
SEE SHEET 2 FOR CONTROL REFERENCES



DESIGNED BY: *[Signature]*
 CHECKED BY: *[Signature]*
 DATE: 1/10/14

INDIANA DEPARTMENT OF TRANSPORTATION
 PLAN AND PROFILE
 LINE "PR-S-7-A"

HORIZONTAL SCALE	1" = 20'	BRIDGE PILE NO.	
VERTICAL SCALE	1" = 4'	DESIGNATION NO.	13B222
SURVEY BOOK NO.		SHEETS	18 of 64
CONTRACT NO.	R-41821	PROJECT NO.	13B222



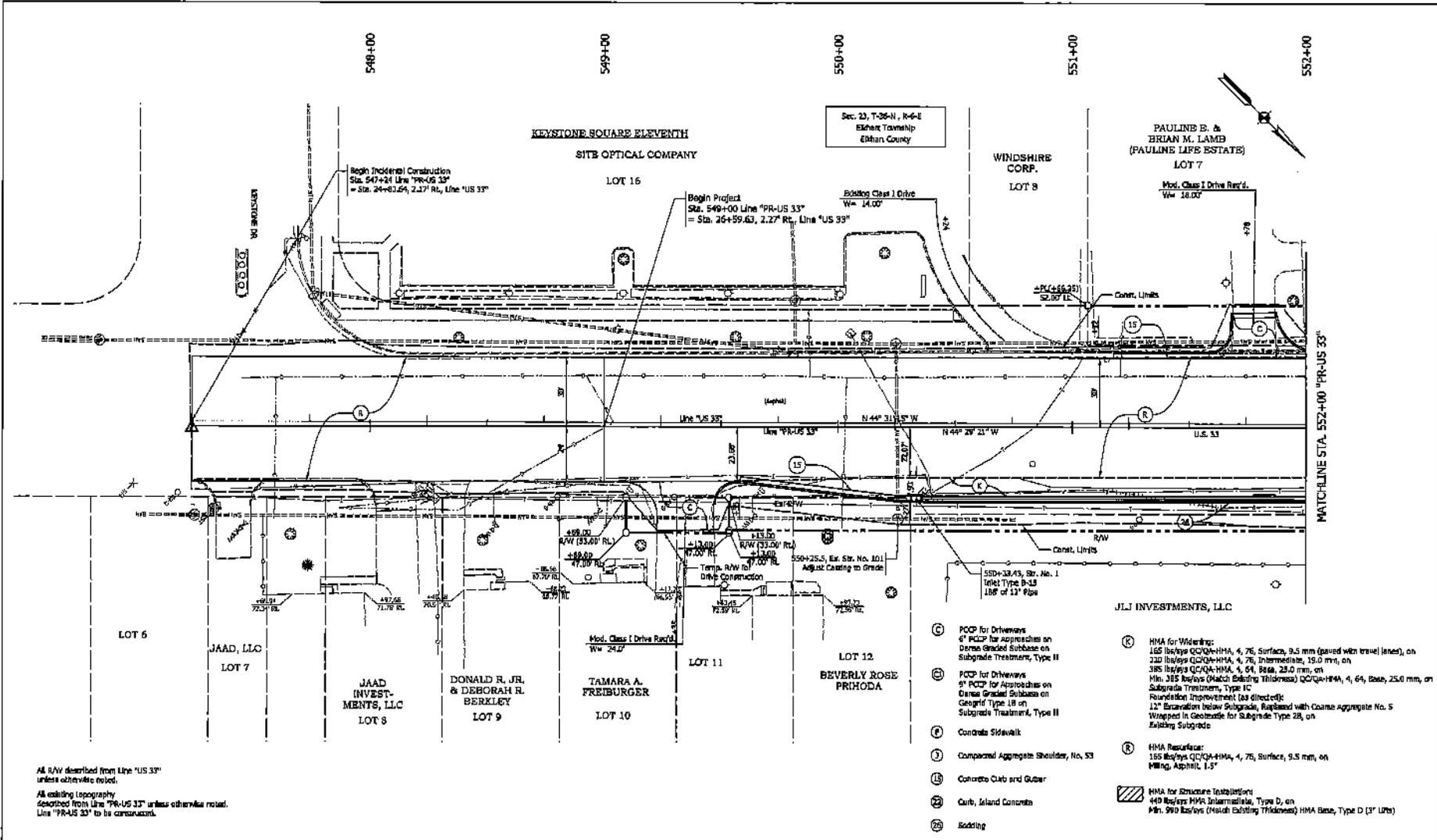
SEE SHEET 2 FOR CONTROL REFERENCES



DESIGNED BY: J.M. Hays
 DRAWN BY: J.M. Hays
 CHECKED BY: J.M. Hays
 DATE: 10/14/14

INDIANA DEPARTMENT OF TRANSPORTATION
 PLAN AND PROFILE
 LINE "PR-S-7-A"

HORIZONTAL SCALE 1" = 20'	BRIDGE FILE NO.
VERTICAL SCALE 1" = 4'	DESIGNATION NO. 130287
SURVEY BOOK NO.	SHEETS 19 OF 64
CONTRACT NO. 8-1185	PROJECT NO. 13M217

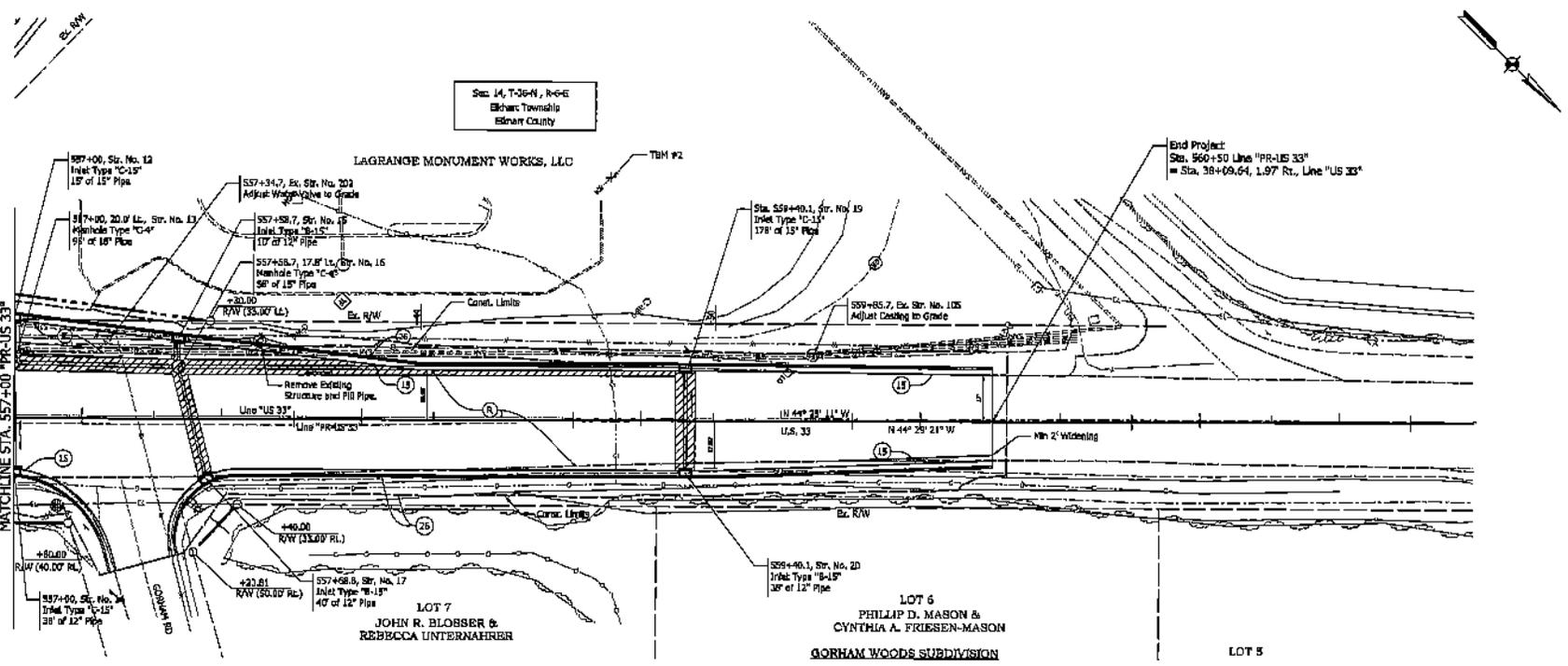


All R/W described from Line "US 33" unless otherwise noted.
 All existing topography described from Line "PR-US 33" unless otherwise noted.
 Line "PR-US 33" to be concave.

- (C) PCOP for Driveways
6" PCOP for approaches on Dense Graded Subbase on Subgrade Treatment, Type II
- (D) PCOP for Driveways
8" PCOP for Approaches on Dense Graded Subbase on Geogrid Type I/B on Subgrade Treatment, Type II
- (E) Concrete Sidewalk
- (F) Compacted Aggregate Shoulder, No. 53
- (G) Concrete Curb and Gutter
- (H) Curb, Island Concrete
- (I) Sodding
- (K) HMA for Widening:
165 lbs/yds CC/QA-HMA, 4, 76, Surface, 9.5 mm (gapped with true) (lines), on 220 lbs/yds CC/QA-HMA, 4, 76, Intermediate, 19.0 mm, on 385 lbs/yds CC/QA-HMA, 4, 64, Base, 23.0 mm, on Min. 385 lbs/yds (Match Existing Thickness) CC/QA-HMA, 4, 64, Base, 25.0 mm, on Subgrade Treatment, Type IC
Foundation Improvement (as illustrated)
12" Excavation below Subgrade, Backfilled with Coarse Aggregate No. 5 Wrapped in Geotextile for Subgrade Type 2B, on Existing Subgrade
- (L) HMA Repave/scar:
155 lbs/yds CC/QA-HMA, 4, 76, Surface, 9.5 mm, on MBMG Asphalt, 1.5"
- (M) HMA for Structure Installation:
440 lbs/yds HMA Intermediate, Type D, on Min. 990 lbs/yds (Match Existing Thickness) HMA Base, Type D (3" Lift)

	PREPARED FOR APPROVAL <i>J. M. Hays</i> 10/05/14 DESIGNER DATE	DRAWN BY DATE	INDIANA DEPARTMENT OF TRANSPORTATION CONSTRUCTION DETAILS STA. 547+24 TO 552+00 "PR-US 33"	HORIZONTAL SCALE 1" = 20'	BUREAU FILE NO.
	CHECKED BY DATE	PROJECT NO.		VERTICAL SCALE	DESIGNATION NO.
				SURVEY BOOK NO.	SHEETS
				CONTRACT NO.	PROJECT NO.

557+00 559+00 559+00 560+00 561+00 562+00



Sec. 14, T-36-N, R-6-E
Elkhart Township
Elkhart County

Sec. 14, T-36-N, R-6-E
Elkhart Township
Elkhart County

End Project
Sta. 560+50 Line "PR-US 33"
= Sta. 58+09.64, 1.97 Rt., Line "US 33"

- (C) PCCP for Driveways
6" PCCP for Approaches on
Dense Graded Subbase on
Subgrade Treatment, Type II
- (D) PCCP for Driveways
6" PCCP for Approaches on
Dense Graded Subbase on
Geogrid Type 18 on
Subgrade Treatment, Type II
- (E) Concrete Sidewalk
- (F) Compacted Aggregate Shoulder, No. 53
- (G) HMA for Widening:
165 lbs/lye Q/C/A-HMA, 4, 76, Surface, 9.5 mm (paved with travel lanes), on
220 lbs/lye Q/C/A-HMA, 4, 76, Intermediate, 19.0 mm, on
385 lbs/lye Q/C/A-HMA, 4, 64, Base, 25.0 mm, on
Min. 385 lbs/lye (Minimum Existing Thickness) Q/C/A-HMA, 4, 64, Base, 25.0 mm, on
Subgrade Treatment, Type II
Foundation Improvement (as directed):
12" Excavation below Subgrade, Replaced with Coarse Aggregate No. 5
Wrapped in Geotextile for Subgrade Type 2B, on
Existing Subgrade
- (H) HMA for Structure Installation:
440 lbs/lye HMA Intermediate, Type D, on
Min. 990 lbs/lye (Match Existing Thickness) HMA Base, Type D (3" Lifts)
- (I) HMA Resurfacing:
185 lbs/lye Q/C/A-HMA, 4, 76, Surface, 9.5 mm, on
Miling, Asphalt, 1.5"
- (J) Concrete Curb and Gutter
- (K) Curb, Island Concrete
- (L) Sodding

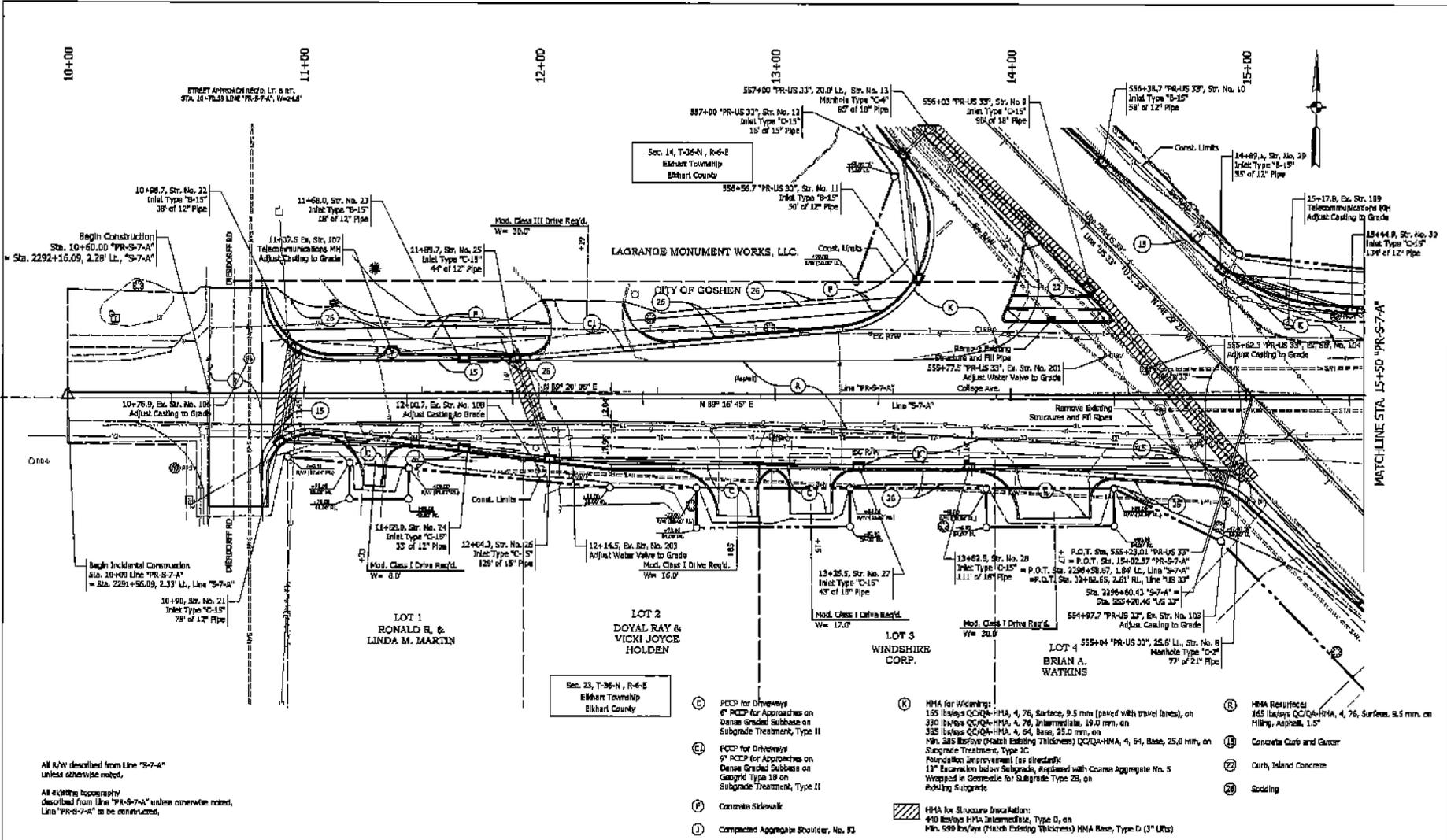
All R/W described from Line "US 33"
unless otherwise noted.
All existing topography
described from Line "PR-US 33" unless otherwise noted.
Line "PR-US 33" to be constructed.



RECOMMENDED FOR APPROVAL
DESIGNER: JMA
CHECKED: JMA
DRAWN: ACM
CHECKER: JMA
DATE: 10/14/14

INDIANA
DEPARTMENT OF TRANSPORTATION
CONSTRUCTION DETAILS
STA. 557+00 TO STA. 560+50 "PR-US 33"

HORIZONTAL SCALE 1" = 40'	BRIDGE FILE NO.
VERTICAL SCALE 1" = 10'	DESKETCH NO. 131227
SURVEY BOOK NO.	SHEETS 23 of 44
CONTRACT NO. R-14121	PROJECT NO. 131227



All R/W described from Line "S-7-A" unless otherwise noted.

All existing topography described from Line "PR-S-7-A" unless otherwise noted. Line "PR-S-7-A" to be constructed.

- (C) PCP for Driveways
6" PCP for Approaches on Dense Graded Subbase on Subgrade Treatment, Type II
- (D) PCP for Driveways
5" PCP for Approaches on Dense Graded Subbase on Gravelly Type I.B on Subgrade Treatment, Type II
- (F) Concrete Sidewalk
- (J) Compacted Aggregate Shoulder, No. 55
- (K) HMA for Widening:
155 lbs/cy CCQA-HMA, 4, 76, Surface, 9.5 mm (paved with travel lanes), on 330 lbs/cy CCQA-HMA, 4, 76, Intermediate, 19.0 mm, on 385 lbs/cy CCQA-HMA, 4, 64, Base, 25.0 mm, on Min. 285 lbs/cy (Moist Excluding Thickness) CCQA-HMA, 4, 64, Base, 25.0 mm, on Subgrade Treatment, Type I.C
Pavement Improvement (as directed):
12" Excavation below Subgrade, replaced with Coarse Aggregate No. 5 wrapped in Geotextile for Subgrade Type 29, on existing Subgrade
- (L) HMA for Structure Installation:
410 lbs/cy HMA Intermediate, Type D, on Min. 590 lbs/cy (Moist Excluding Thickness) HMA Base, Type D (3" Urts)
- (M) HMA Resurfacing:
165 lbs/cy CCQA-HMA, 4, 76, Surface, 9.5 mm, on Milling, depth, 1.5"
- (N) Concrete Curb and Gutter
- (O) Curb, Island Concrete
- (P) Sodding

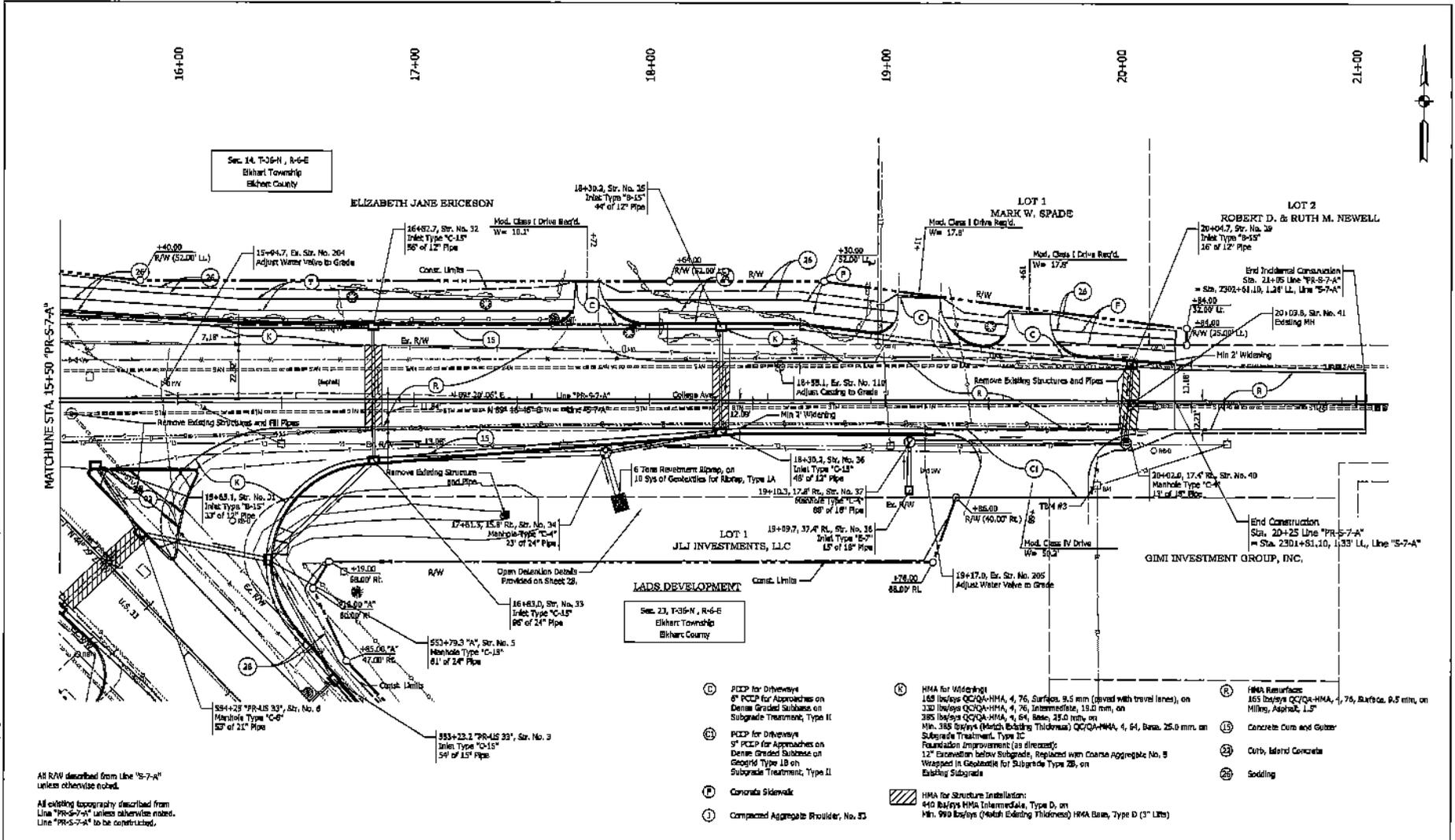


DESIGNED BY	DRAWN BY	CHECKED BY	DATE
10/01/14	10/01/14	10/01/14	10/01/14

INDIANA
DEPARTMENT OF TRANSPORTATION

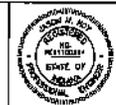
CONSTRUCTION DETAILS
STA. 10+00 TO 15+50 "PR-S-7-A"

HORIZONTAL SCALE	BENCH FILE NO.
1" = 20'	
VERTICAL SCALE	ORIENTATION NO.
	130027
DRAWING BOOK NO.	SHEETS
	25 OF 64
CONTRACT NO.	PROJECT NO.
8-41811	130027



All R/W described from line 'S-7-A' unless otherwise noted.
 All existing topography described from Line 'P-6-7-A' unless otherwise noted. Line 'PR-S-7-A' to be constructed.

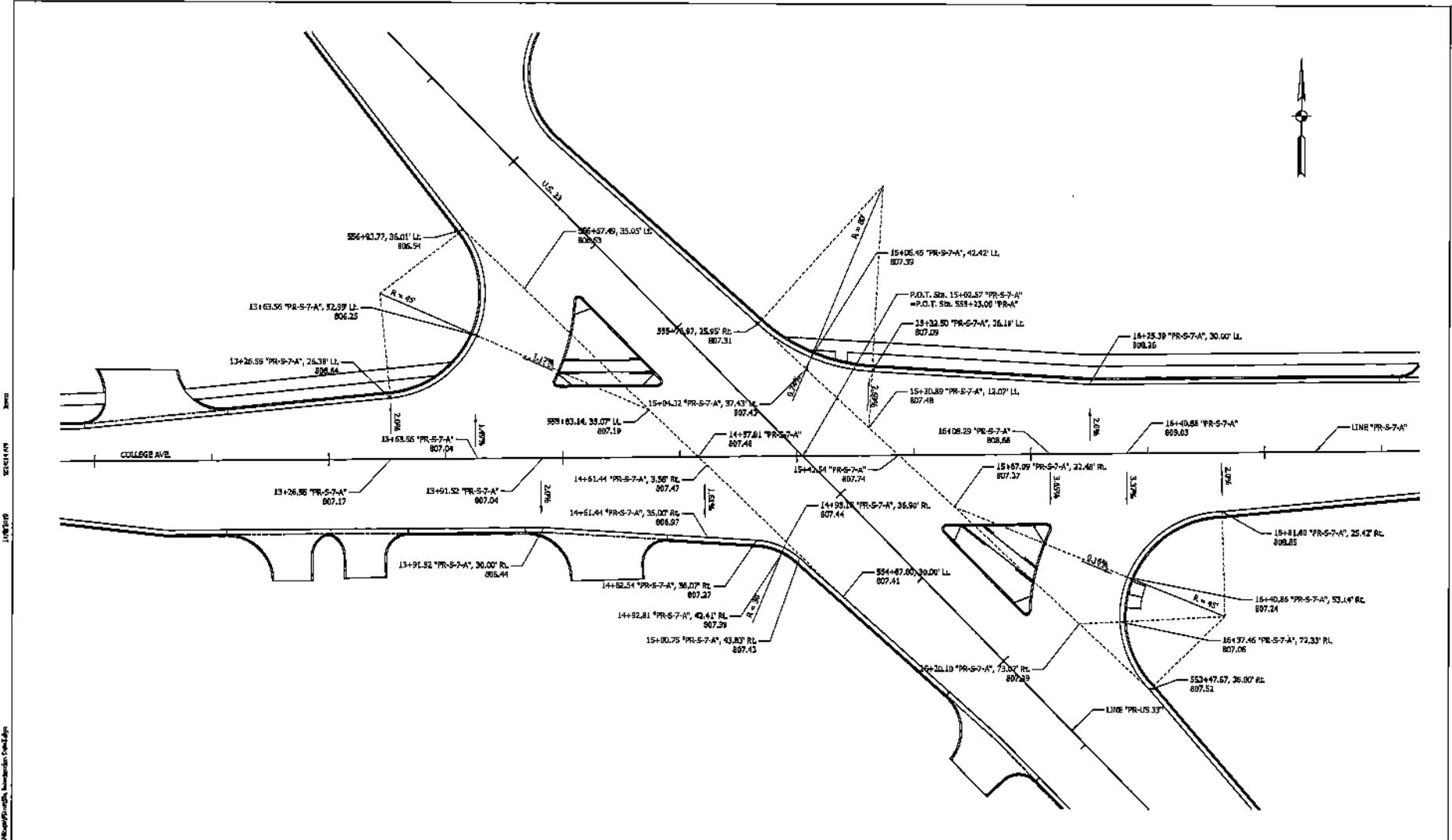
- (C) PCCP for Driveways
6" PCCP for Approaches on Dense Graded Subbase on Subgrade Treatment, Type II
- (D) PCCP for Driveways
9" PCCP for Approaches on Dense Graded Subbase on Geogrid Type IB on Subgrade Treatment, Type II
- (E) Concrete Sidewalk
- (F) Compacted Aggregate Shoulder, No. 5
- (G) HMA for Widening
165 lbs/yds CCQA-HMA, 4, 76, Surface, 9.5 mm (graded with travel lines), on 330 lbs/yds CCQA-HMA, 4, 76, Intermediate, 19.0 mm, on 385 lbs/yds CCQA-HMA, 4, 64, Base, 25.0 mm, on Min. 315 lbs/yds (Match Existing Thickness) CCQA-HMA, 4, 64, Base, 25.0 mm on Subgrade Treatment, Type IC
Foundation Improvement (as directed): 12" Excavation below Subgrade, Replaced with Coarse Aggregate, No. 9 Waggled in Geotextile for Subgrade Type 2B, on Existing Subgrade
- (H) HMA for Structure Installation:
640 lbs/yds HMA Intermediate, Type D, on Min. 990 lbs/yds (Match Existing Thickness) HMA Base, Type D (3" Lifts)
- (I) 1948 Manholes
165 lbs/yds CCQA-HMA, 4, 76, Surface, 9.5 mm, on Milling, Asphalt, L.S.
- (J) Concrete Curb and Gutter
- (K) Curb, Island Concrete
- (L) Siding



DESIGNER: JMA	DRAWN: ACE
CHECKED: JRM	CHECKED: MNA

INDIANA
 DEPARTMENT OF TRANSPORTATION
 CONSTRUCTION DETAILS
 STA. 15+50 TO 20+25 "PR-S-7-A"

HORIZONTAL SCALE 1" = 20'	WORKSHEET NO. 110227
VERTICAL SCALE 1" = 10'	DESIGNATION NO. 110227
SURVEY BOOK NO. 110227	SHEET NO. 24 of 64
CONTRACT NO. R-11021	PROJECT NO. 110227



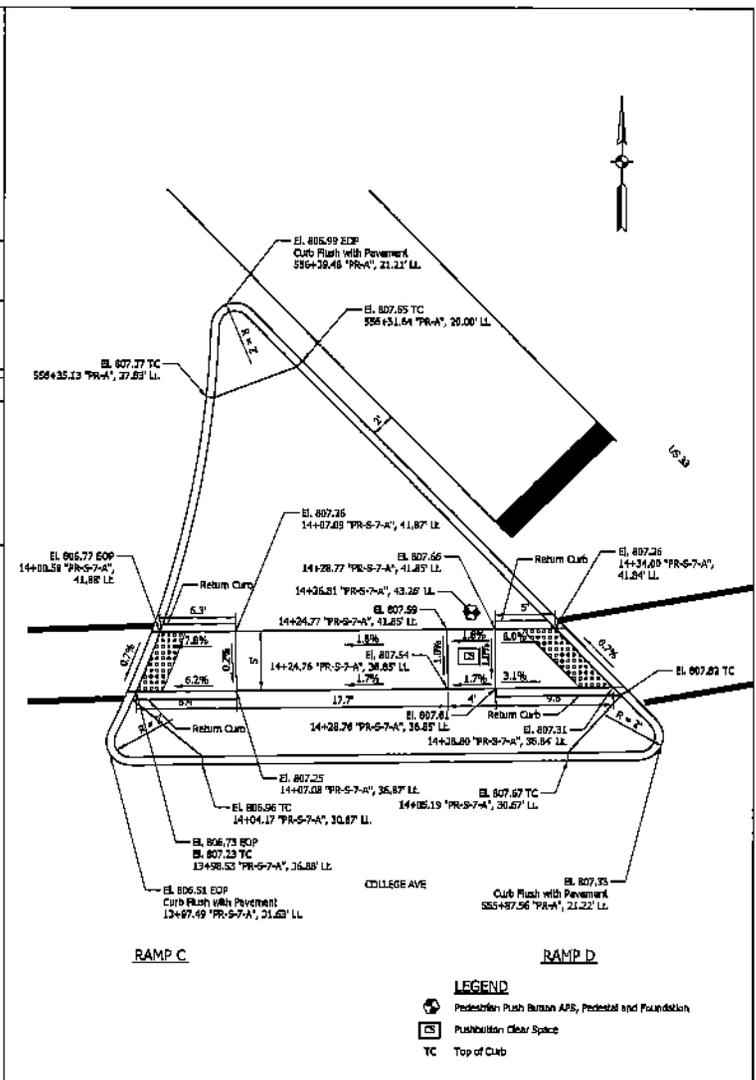
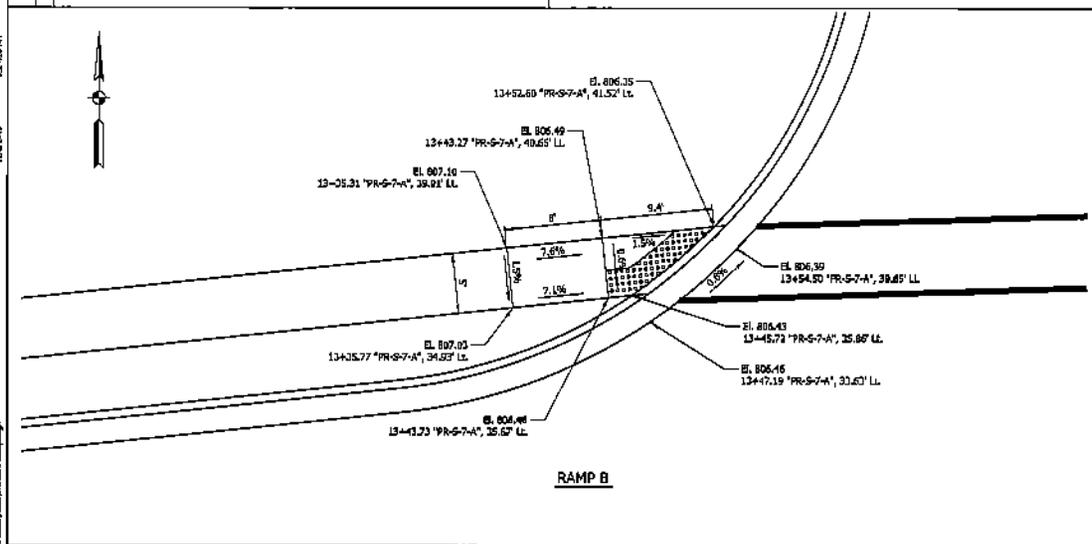
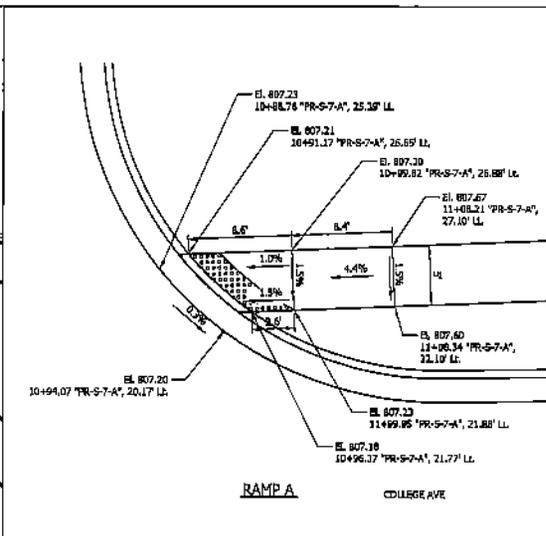
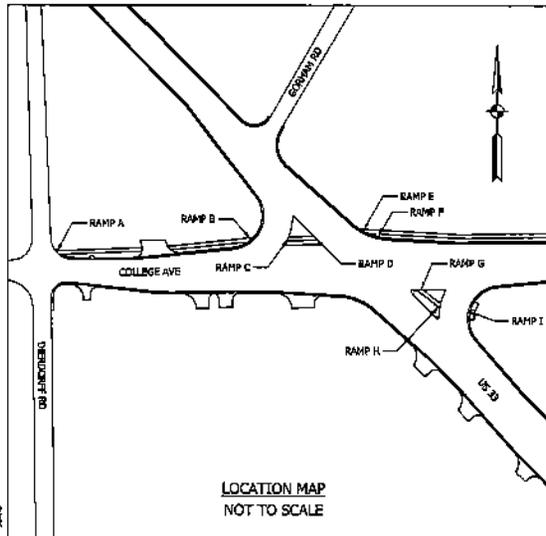
SHEET NO. 25 OF 64
 PROJECT NO. 120337



RECOMMENDED FOR APPROVAL *[Signature]* 10/23/11
 DESIGNER: JMS DRAWN: ACS
 CHECKED: JMH CHECKED: JMS

INDIANA DEPARTMENT OF TRANSPORTATION
 INTERSECTION DETAIL
 US 33 INTERSECTION IMPROVEMENTS

HORIZONTAL SCALE 1" = 20'	BINDER FILE NO.
VERTICAL SCALE 1" = 20'	DESCRIPTION NO. 120337
SURVEY BOOK NO.	SHEET 25 OF 64
CONTRACT NO. R-4981	PROJECT NO. 120337



- LEGEND**
- Pedestrian Push Button APS, Pedestal and Foundation
 - Pushbutton Clear Space
 - Top of Curb

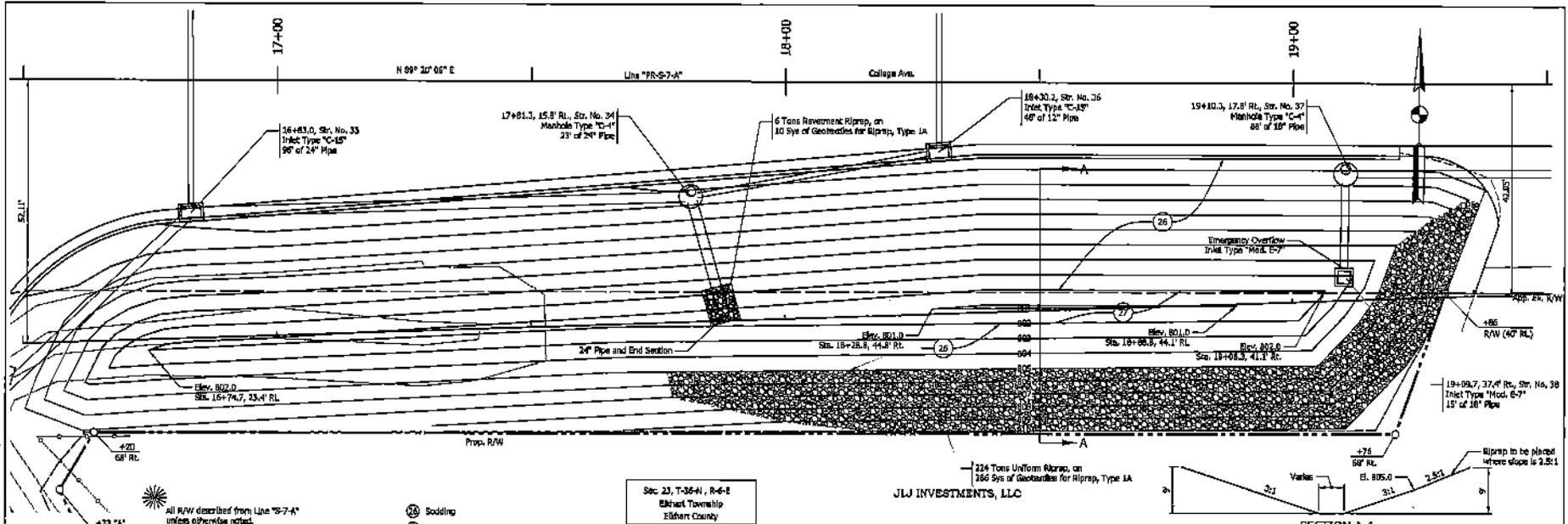


DESIGNED: JMK	DRAWN: ACE
CHECKED: JMK	CHECKED: JMK

INDIANA
DEPARTMENT OF TRANSPORTATION

CURB RAMP DETAILS
US 33 INTERSECTION IMPROVEMENTS

HORIZONTAL SCALE	1" = 3'
VERTICAL SCALE	1" = 3'
DESIGNATION NO.	136337
SURVEY BOOK NO.	26 of 64
CONTRACT NO.	R-1181
PROJECT NO.	136337



All R/W described from Line "R-7-A" unless otherwise noted.
 All existing topography described from Line "R-5-7-A" unless otherwise noted.
 Line "R-5-7-A" to be constructed.

26 Sodding
 27 Sand Mixture, Type D and R.

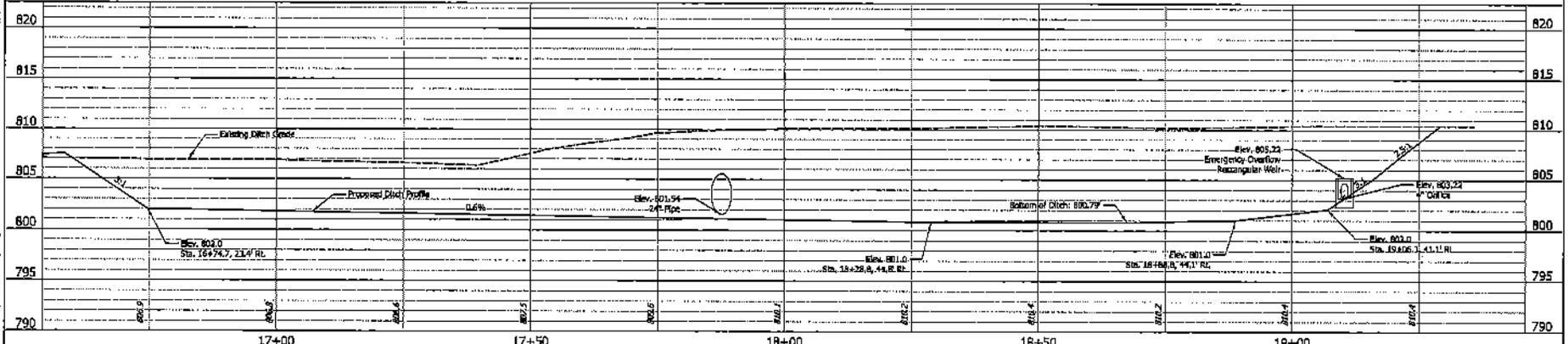
Sec. 23, T-35-N, R-6-E
 Elletts Township
 Elletts County

JLJ INVESTMENTS, LLC

LADS DEVELOPMENT

SECTION A-A

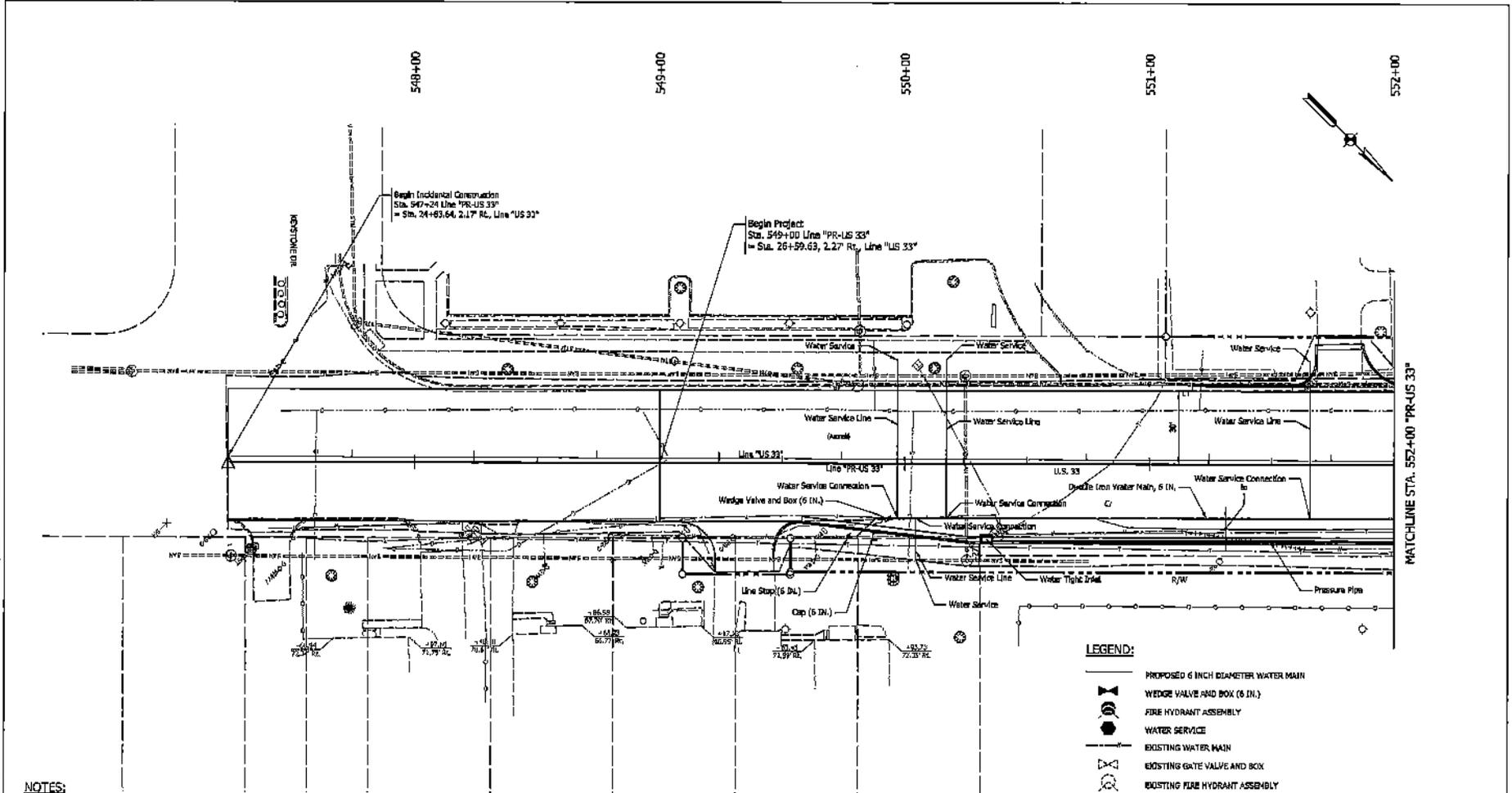
The proposed ditch is approximately 270' in length, 50' in width, and 5' in depth. The side slopes are as shown in Section A-A.



RECOMMENDED FOR APPROVAL
 DESIGN ENGINEER
 DATE: 10/29/14

INDIANA DEPARTMENT OF TRANSPORTATION
 DETENTION LAYOUT
 US 33 INTERSECTION IMPROVEMENT

HORIZONTAL SCALE	SHEET NO.
1" = 40'	13 OF 27
VERTICAL SCALE	DESIGNATION NO.
1" = 5'	13027
SURVEY BOOK NO.	SHEETS
	13 OF 27
CONTRACT NO.	PROJECT NO.
R-421	13027



- NOTES:**
1. Construction shall begin at north end and continue south.
 2. Turn off existing northern valve after northern line stop is installed.
 3. Water main shall be completed prior to south tie-in, and then shall be flushed and bled from 2-inch blow-off.
 4. The final 45° bends shall be installed with the swab method prior to connection to the existing water main.

LEGEND:

- PROPOSED 6 INCH DIAMETER WATER MAIN
- WEDGE VALVE AND BOX (6 IN.)
- FIRE HYDRANT ASSEMBLY
- WATER SERVICE
- EXISTING WATER MAIN
- EXISTING GATE VALVE AND BOX
- EXISTING FIRE HYDRANT ASSEMBLY
- EXISTING WATER METER
- LINE STOP (SEE NOTE FOR SIZE)
- CAP (SEE NOTE FOR SIZE)

	PREPARED FOR APPROVAL <i>G. W. Hines</i> GREGORY W. HINES DATE: 10/09/14	INDIANA DEPARTMENT OF TRANSPORTATION WATER DETAIL STA. 547+24 TO 552+00 "PR-US 33"	HORIZONTAL SCALE 1" = 20'	BRIDGE FILE NO.
	DRAWN BY: JMH CHECKED BY: JMH		DRAWN: ACE CHECKED: MAR	VERTICAL SCALE SURVEY BENCH NO. CONTRACT NO. X-4821

S:\Projects\14-000\14-000-000\14-000-000-000\14-000-000-000-000.dwg

552+00

553+00

554+00

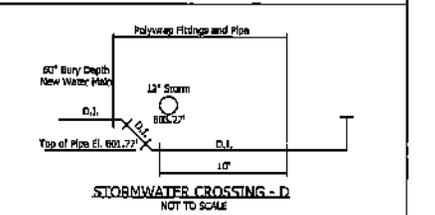
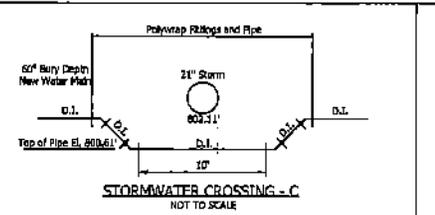
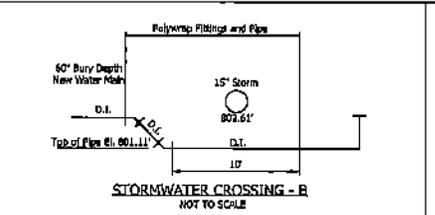
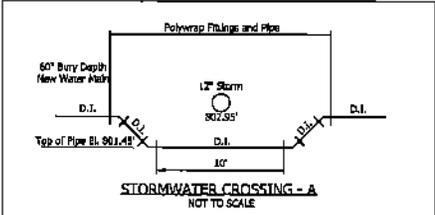
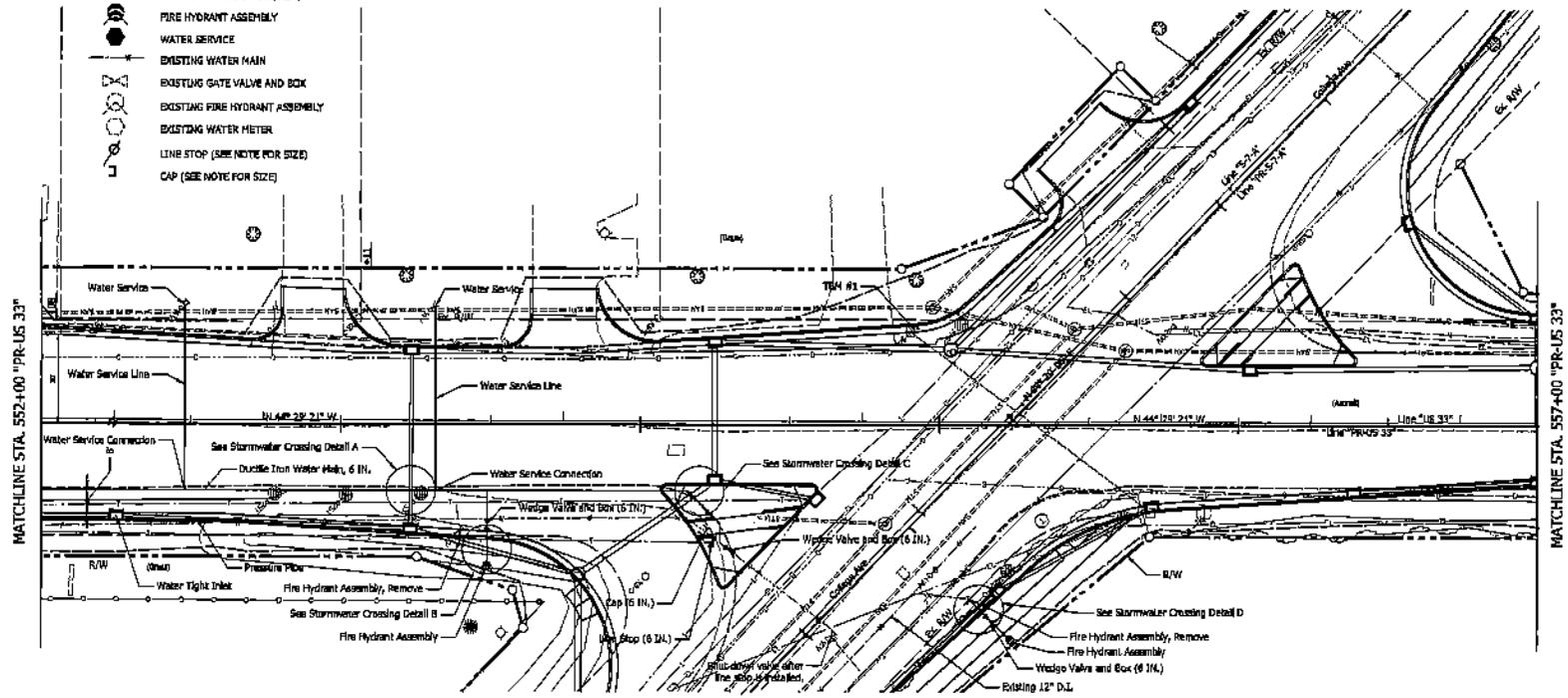
555+00

556+00

557+00

LEGEND:

- PROPOSED 8 INCH DIAMETER WATER MAIN
- WEDGE VALVE AND BOX (6 IN.)
- FIRE HYDRANT ASSEMBLY
- WATER SERVICE
- EXISTING WATER MAIN
- EXISTING GATE VALVE AND BOX
- EXISTING FIRE HYDRANT ASSEMBLY
- EXISTING WATER METER
- LINE STOP (SEE NOTE FOR SIZE)
- CAP (SEE NOTE FOR SIZE)

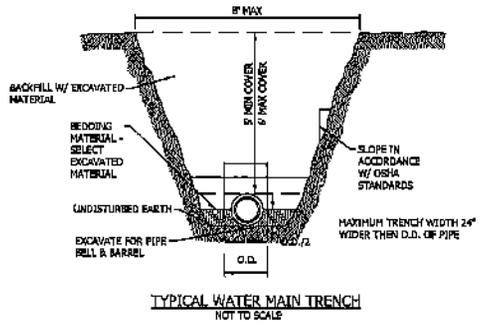


DESIGNED BY: JMS
 DRAWN BY: ACE
 CHECKED BY: NAB

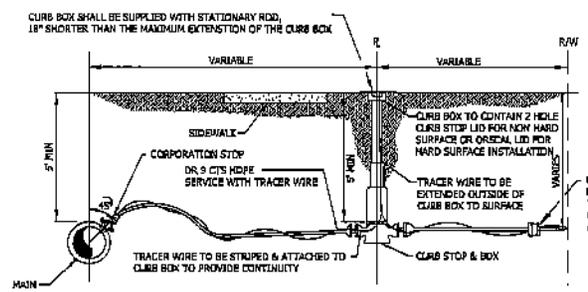
INDIANA DEPARTMENT OF TRANSPORTATION
 WATER DETAIL
 STA. 552+00 TO 557+00 "PR-US 33"

HORIZONTAL SCALE 1" = 20'	PROJECT FILE NO. 136237
VERTICAL SCALE 1" = 2'	DESIGNATION NO. 136237
SHEET NO. 20	TOTAL SHEETS 24
CONTRACT NO. R-1167	PROJECT NO. 136237

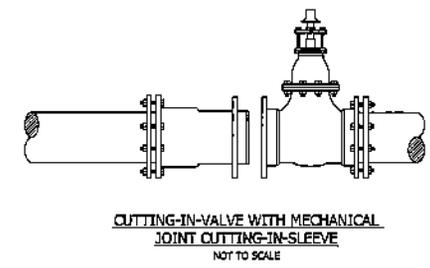
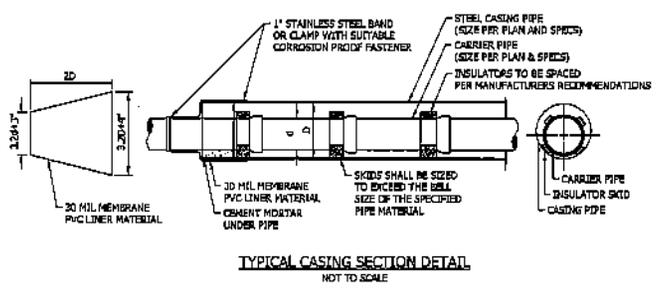
SECTION 4800 - WATER MAINS AND SERVICE LINES



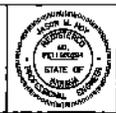
SIZE	CORPORATION STOP		CURB STOP		CONNECTION TO EXISTING	
	PCRD PART No.	AV HCONALD PART No.	PCRD PART No.	AV HCONALD PART No.	PCRD PART No.	AV HCONALD PART No.
1"	FB1000-4-TW-Q-NL	747D1QA	B44-444-TW-Q-NL	76100QA	B41-444-TW-Q-NL	76102QA
1 1/4"	FB1000-5-TW-Q-NL	747D1QA	B44-535-TW-Q-NL	76100QA	B41-535-TW-Q-NL	76102QA
1 1/2"	FB1000-6-TW-Q-NL	747D1QA	B44-666-TW-Q-NL	76100QA	B41-666-TW-Q-NL	76102QA
2"	FB1000-7-TW-Q-NL	747D18QA	B44-777-TW-Q-NL	76100QA	B41-777-TW-Q-NL	76102QA



- NOTE:
- RESIDENTIAL SERVICE CONNECTIONS TO BE 1" COMMERCIAL SERVICE CONNECTIONS TO BE 1 1/2" OR 2" (ENGINEER TO DETERMINE)
 - ALL SERVICE PIPE FITTING LOCATIONS REQUIRE STAINLESS STEEL INSERTS
 - TRACER WIRE TO BE COPPERHEAD, 12 AWG, 452 POUNDS BREAK LOAD, OPEN CLIP
- DR 9 CTS HDPE SERVICE WITH TRACER WIRE TO PROPERTY LINE, CONNECT TO EXISTING SERVICE (ALL MATERIAL TYPES) HDPE COMPRESSION TO COPPER FLARED COUPLING OR HDPE COMPRESSION TO IRON COMPRESSION TYPE ADAPTOR SIZE TO SUITE



- NOTE:
- ELBOWS AND FITTINGS AS REQUIRED BY PLANS.
 - USE MECHANICAL JOINTS ON ALL FITTINGS, AND THE RODS AS REQUIRED.

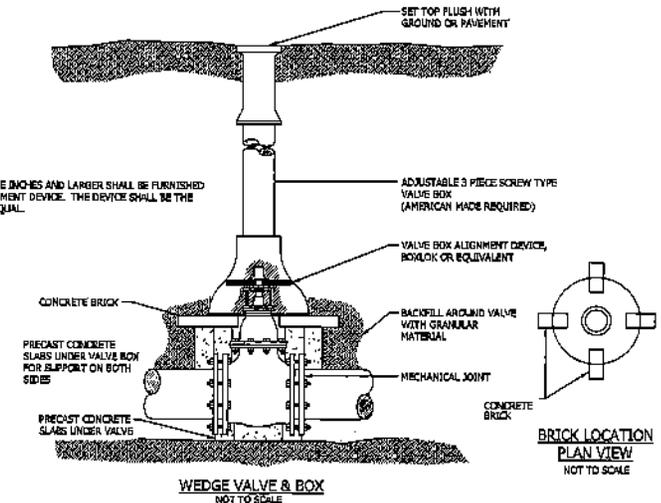


DESIGNED BY: JMA
 DRAWN BY: ACB
 CHECKED BY: JMH
 DATE: 10/05/19
 PROJECT: H&H

INDIANA DEPARTMENT OF TRANSPORTATION
 WATER DETAIL

HORIZONTAL SCALE	BRIEFER FILE NO.
VERTICAL SCALE	DESIGNATION FIG.
SURVEY BENCH NO.	SHEETS
CONTRACT NO.	PROJECT NO.
R-11811	13612.17

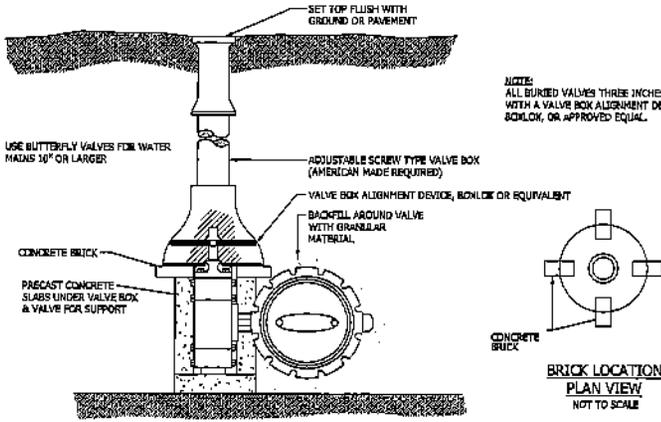
NOTE:
ALL BURIED VALVES THREE INCHES AND LARGER SHALL BE FURNISHED WITH A VALVE BOX ALIGNMENT DEVICE. THE DEVICE SHALL BE THE BOXLOCK OR APPROVED EQUAL.



WEDGE VALVE & BOX
NOT TO SCALE

BRICK LOCATION PLAN VIEW
NOT TO SCALE

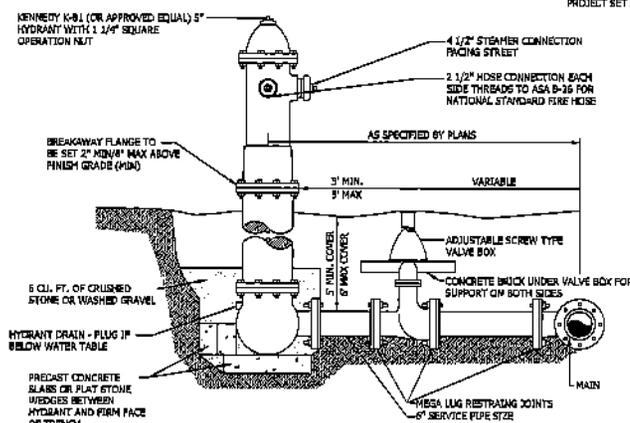
NOTE:
ALL BURIED VALVES THREE INCHES AND LARGER SHALL BE FURNISHED WITH A VALVE BOX ALIGNMENT DEVICE. THE DEVICE SHALL BE THE BOXLOCK OR APPROVED EQUAL.



BUTTERFLY VALVE & BOX
NOT TO SCALE

BRICK LOCATION PLAN VIEW
NOT TO SCALE

NOTE:
1. FIRE HYDRANT ASSEMBLY TO INCLUDE TEE AT WATER MAIN, ALL CONNECTING PIPE & FITTINGS, AUXILIARY GATE VALVE & BOX, & FIRE HYDRANT.
2. FIRE HYDRANT SHALL BE 1' FROM PROPERTY LINE, 3' FROM BACK OF CURB AND/OR 2' FROM SIDEWALK (EISENHOWER OR PROJECT SET FIRE HYDRANT IN LINE WITH SET).



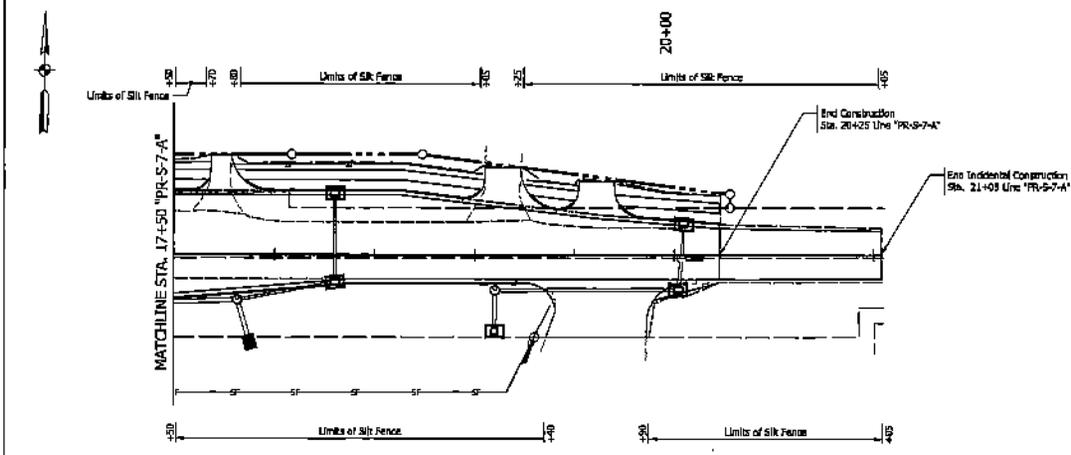
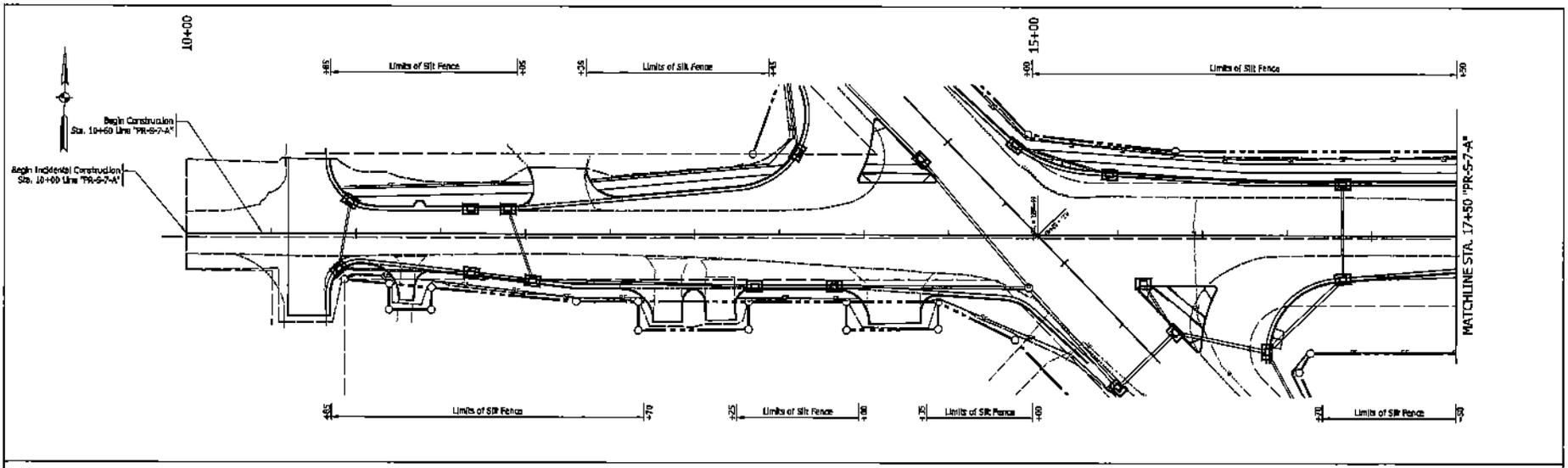
FIRE HYDRANT & VALVE
NOT TO SCALE



RECOMMENDED FOR APPROVAL: *[Signature]* 10/20/14
DESIGNED BY: JMS DRAWN BY: ACE
CHECKED BY: JMH CHECKED BY: JMS

INDIANA DEPARTMENT OF TRANSPORTATION
WATER DETAIL

HORIZONTAL SCALE	BRIDGE FILE NO.
VERTICAL SCALE	DESIGNATION NO.
SURVEY BOOK NO.	SHEETS
CONTRACT NO.	PROJECT No.



TEMPORARY SILT FENCE				
STATION	STATION	LI / RL		LENGTH
LINE 'PR-S-7-A'				LFT
546+65	585+40	RT		475
552+65	572+20	RT		150
552+65	591+50	RT		285
585+08	581+65	LT		50
553+00	552+40	LT		60
583+00	583+40	LT		40
594+00	594+65	LT		65
556+65	560+00	LT		340
LINE 'PR-S-7-A'				LBS
12+05	12+70	RT		65
12+70	14+00	RT		75
14+00	15+00	RT		60
16+70	19+40	RT		270
18+20	21+50	RT		115
10+85	13+05	LT		130
12+35	12+45	LT		10
18+00	22+10	LT		270
17+80	19+00	LT		120
19+32	21+00	LT		168
TOTAL				2685

TEMP. INLET PROTECTION	
ITEM	QUANTITY
TOTAL	35 EXEM

TEMPORARY SEED	
ITEM	QUANTITY
TEMPORARY SEED MIXTURE	1.00 Lbs
FALLOWING MATERIAL	2.5 Tons

MOB. AND DEMOB. FOR SEEDING	
ITEM	QUANTITY
TEMPORARY SEEDING FOR PHASE I	1
TEMPORARY SEEDING FOR PHASE II	1
SEEDING	1
TOTALS	3 BASH

LEGEND
 Temporary SR Fence
 Temporary Inlet Protection (Curb)



DESIGNED BY: JMS
 CHECKED BY: JMH
 DRAWN BY: JMS
 CHECKED BY: JMH
 DATE: 10/05/10

INDIANA DEPARTMENT OF TRANSPORTATION
 EROSION CONTROL DETAILS
 LINE "PR-S-7-A"

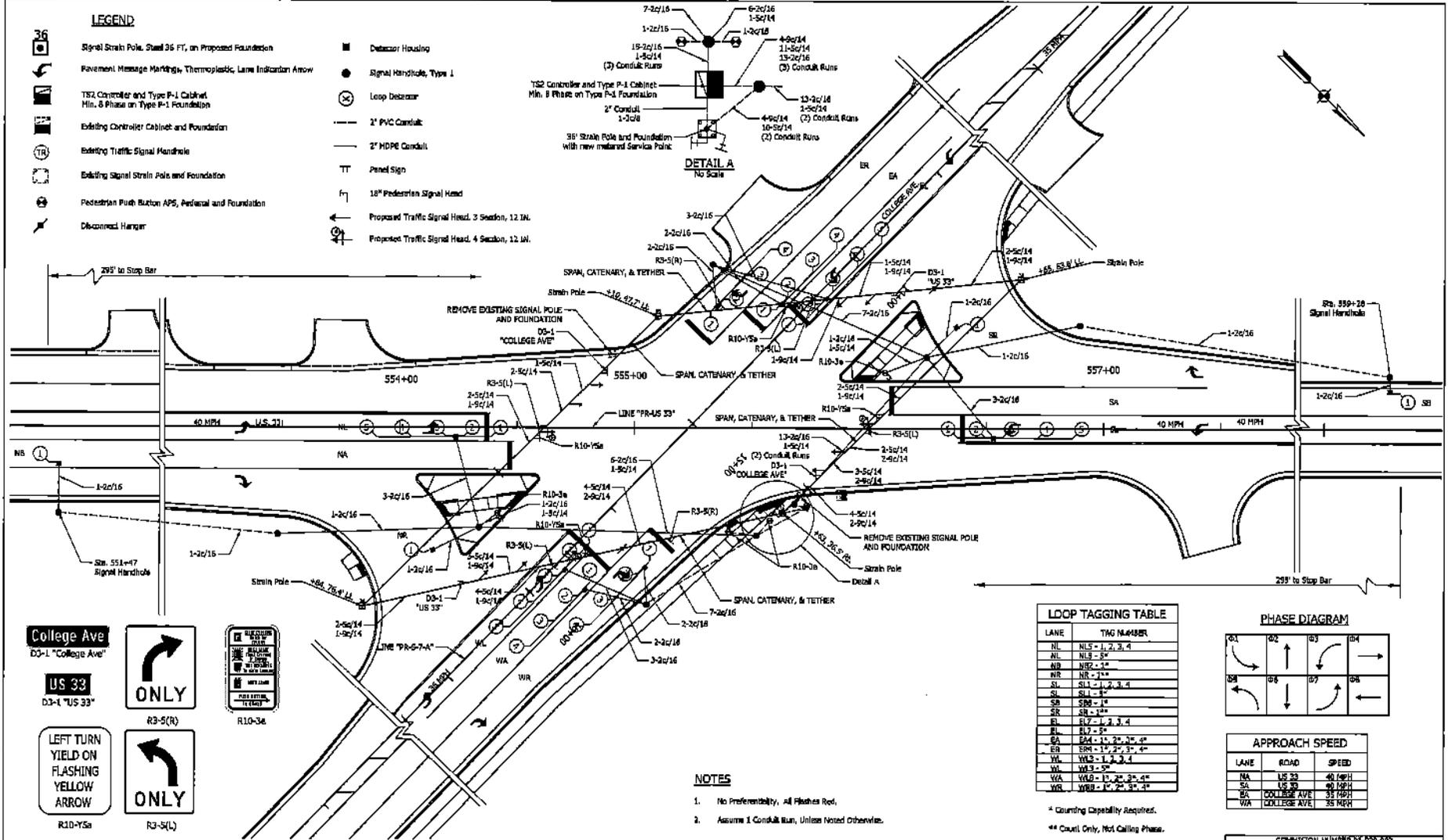
HORIZONTAL SCALE: 1" = 20'
 VERTICAL SCALE: 1" = 2'
 SHEETS: 31 of 64
 PROJECT NO.: R-41811
 SHEET NO.: ECR-27

S:\PROJECTS\2010\10-05-10\10-05-10-01\10-05-10-01.dwg

LEGEND

- Signal Strain Pole, Steel 35 FT, on Proposed Foundation
- Reversible Message Markings, Thermoplastic Lane Indication Arrow
- TSC Controller and Type P-1 Cabinet, Min. 8 Phase on Type P-1 Foundation
- Existing Controller Cabinet and Foundation
- Existing Traffic Signal Handhole
- Existing Signal Strain Pole and Foundation
- Pedestrian Push Button APS, Pedestal and Foundation
- Disconnect Hanger
- Detector Housing
- Signal Handhole, Type 1
- Loop Detector
- 2" PVC Conduit
- 2" HDPE Conduit
- Panel Sign
- 18" Pedestrian Signal Head
- Proposed Traffic Signal Head, 3 Season, 12 IAL
- Proposed Traffic Signal Head, 4 Season, 12 IAL

DETAIL A
No Scale



College Ave
D3-1 "College Ave"

US 33
D3-1 "US 33"

ONLY

LEFT TURN YIELD ON FLASHING YELLOW ARROW

ONLY

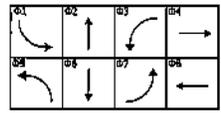
R10-Y5a R3-S(L)



LOOP TAGGING TABLE

LANE	TRM NUMBER
NL	NL5 - 1, 2, 3, 4
NL	NL3 - 5*
NR	NR2 - 3*
NR	NR - 7**
SL	SL1 - 1, 2, 3, 4
SL	SL1 - 5*
SR	SR8 - 1*
SR	SR - 3**
EL	EL7 - 1, 2, 3, 4
EL	EL2 - 5*
EA	EA4 - 1, 2, 3, 4*
ER	ER1 - 1, 2, 3, 4*
WA	WA2 - 1, 2, 3, 4
WA	WA3 - 5*
WA	WA2 - 1, 2, 3, 4*
WA	WRB - 1, 2, 3, 4*

PHASE DIAGRAM



APPROACH SPEED

LANE	ROAD	SPEED
NA	US 33	40 MPH
SA	US 33	40 MPH
EA	COLLEGE AVE	35 MPH
WA	COLLEGE AVE	35 MPH

NOTES

- No Preferential, All Flashes Red.
- Assume 1 Conduit Run, Unless Noted Otherwise.

* Counting Capability Required.
** Count Only, Not Calling Phase.



RECOMMENDED FOR APPROVAL: *[Signature]* 10/28/11 DATE

DESIGNER: *[Signature]* DRAWN: *[Signature]*

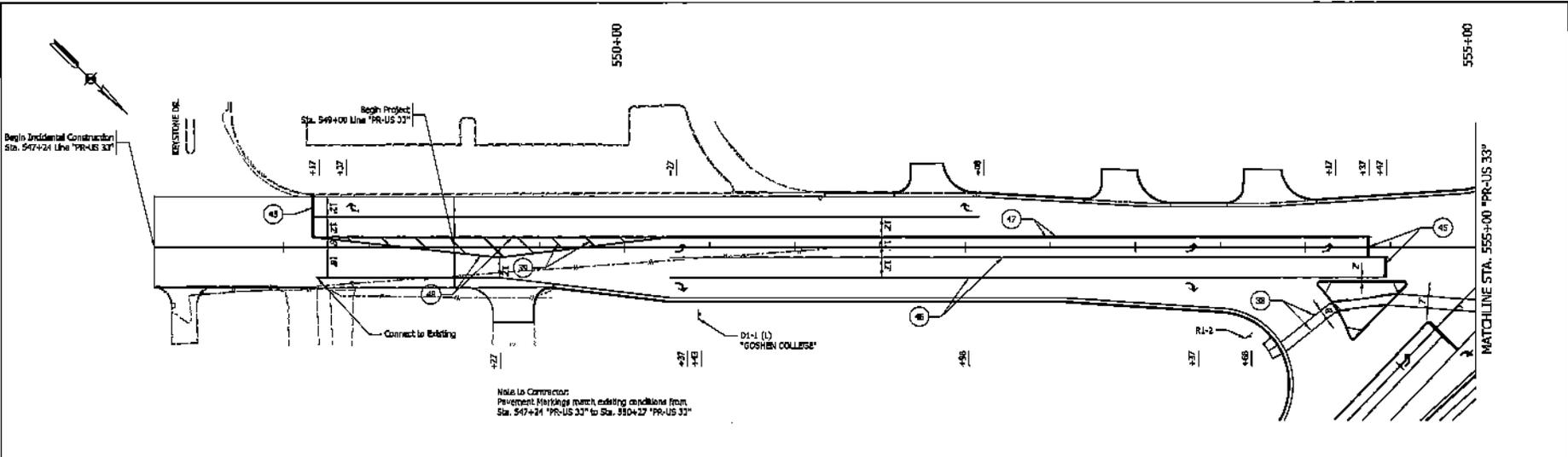
CHECKED: *[Signature]* CHECKED: *[Signature]*

INDIANA DEPARTMENT OF TRANSPORTATION

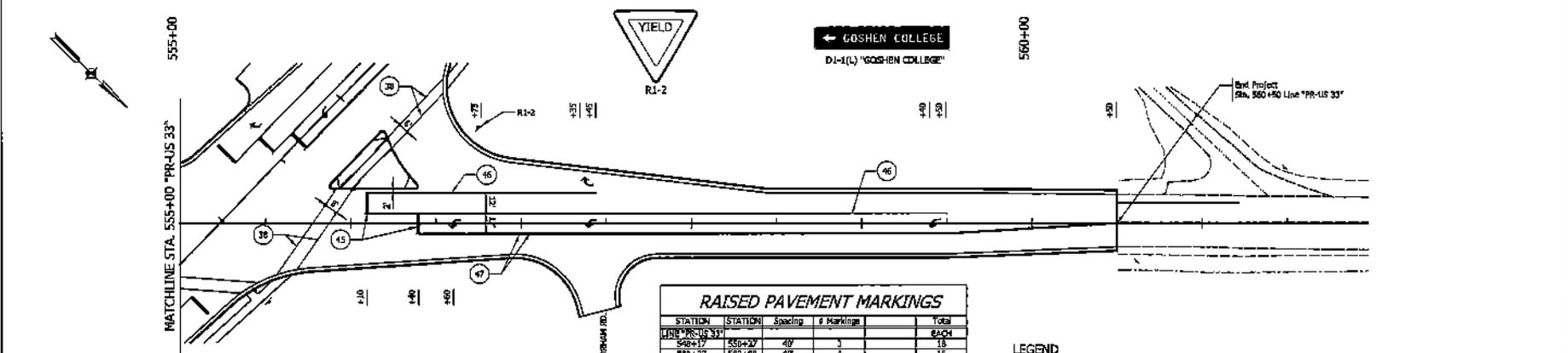
TRAFFIC SIGNAL MODERNIZATION
US 33 INTERSECTION IMPROVEMENT

COMMISSION NUMBER DC-02-092

HORIZONTAL SCALE	PROJECT FILE NO.
1" = 20'	
VERTICAL SCALE	DESIGNATION NO.
SURVEY BOOK NO.	SHEETS
	27 of 64
CONTRACT NO.	PROJECT NO.
R-41821	1380127



Note to Contractor:
 Pavement Markings match existing conditions from
 Sta. 547+24 "PR-US 33" to Sta. 550+12 "PR-US 33"



RAISED PAVEMENT MARKINGS				
STATION	STATION	Spacing	# Markings	TOTAL
LINE "PR-US 33"				6424
549+17	550+27	40'	3	18
550+27	551+08	40'	4	15
551+08	552+27	40'	3	18
552+27	553+19	40'	2	2
553+19	554+00	40'	3	6
554+00	555+10	40'	2	10
555+10	556+20	40'	1	3
			TOTAL	78

LEGEND

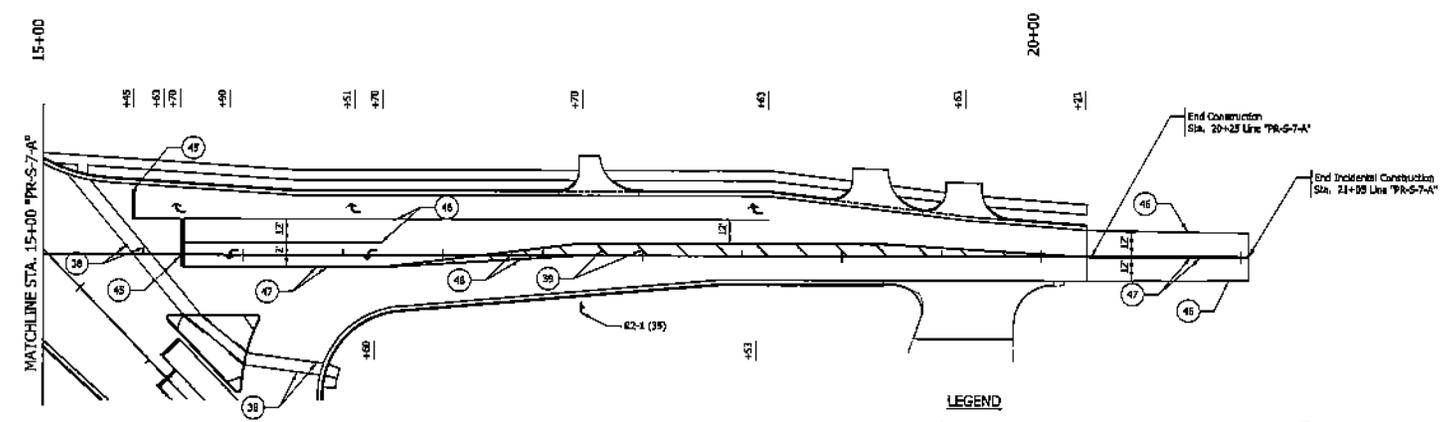
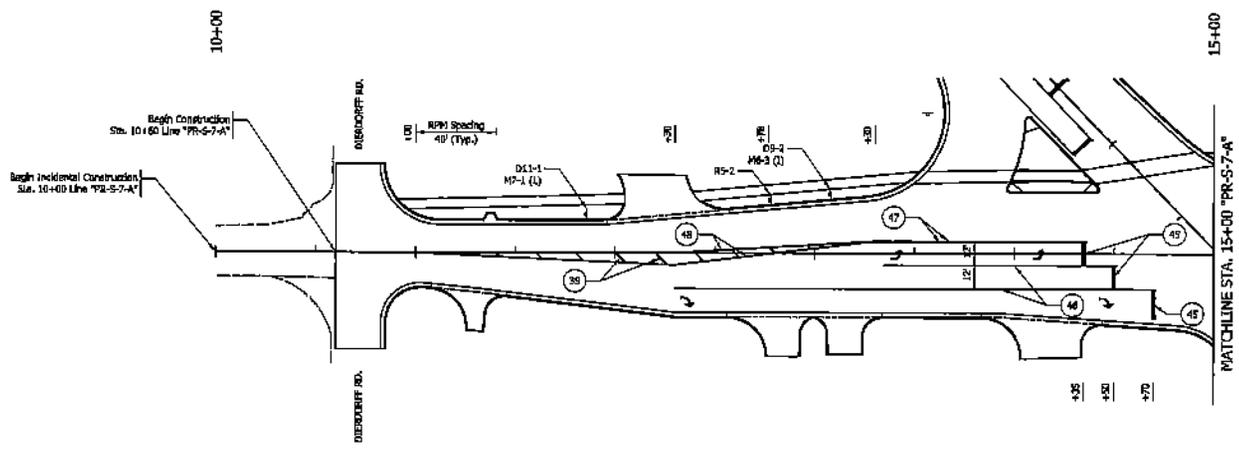
- ◀ Pavement Message Markings, Thermoplastic; Lane Indication Arrow Sign
- ⊕ Transverse Marking, Thermoplastic; Stop Line, White, 24 in. Line, Thermoplastic; Solid, White, 4 in.
- ⊙ Transverse Marking, Thermoplastic; Crosswalk Line, White, 6 in. Line, Thermoplastic; Solid, Yellow, 4 in.
- ⊗ Transverse Marking, Thermoplastic; Crosswalk Line, Yellow, 12 in. Line, Thermoplastic; Solid, Yellow, 8 in.



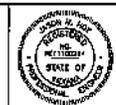
DESIGNED BY: JMA
 CHECKED BY: JMA
 DRAWN BY: ACB
 CHECKED BY: JMA

INDIANA DEPARTMENT OF TRANSPORTATION
PAVEMENT MARKING DETAILS
 LINE "PR-US 33"

HORIZONTAL SCALE	1" = 20'	BRIDGE FILE NO.	
VERTICAL SCALE	1" = 20'	DESIGNATION NO.	131217
SHEET BOOK NO.	29	SHEETS	of 64
CONTRACT NO.	8-41881	PROJECT NO.	1380187



- LEGEND**
- Pavement Message Markings, Thermoplastic Lane Indication Arrow Sign
 - Transverse Marking, Thermoplastic, Crosswalk Line, White, 6 in.
 - Transverse Marking, Thermoplastic, Crosswalk Line, Yellow, 12 in.
 - Transverse Marking, Thermoplastic, Stop Line, White, 24 in.
 - Line, Thermoplastic Solid, White, 4 in.
 - Line, Thermoplastic Solid, Yellow, 4 in.
 - Line, Thermoplastic Solid, Yellow, 8 in.



RECOMMENDED FOR APPROVAL *[Signature]* 10/10/18
 DESIGN ENGINEER DATE

DESIGNED BY: JVA DRAWN BY: JVA
 CHECKED BY: JVA

INDIANA DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING DETAILS
 LINE "PR-S-7-A"

HORIZONTAL SCALE	BRIDGE PILE NO.
1" = 20'	
VERTICAL SCALE	DESIGNATION NO.
	131212
SURVEY INDEX NO.	SHEETS
	40 of 64
CONTRACT NO.	PROJECT NO.
R4121	131212

11/28/2018 9:26:35 AM 3/20/18

PAVEMENT MARKINGS SUMMARY OF QUANTITIES										
LOCATION			LINE, THERMOPLASTIC			TRANSVERSE MARKINGS, THERMOPLASTIC			CROSSING BAR	MARKING MATERIAL
			SOLID WHITE	SOLID YELLOW	SOLID YELLOW	STOP LINE	CROSSWALK SOLID YELLOW	CROSSWALK SOLID WHITE		
STATION	STATION	OFFSET	4 in	4 in	6 in	ft	12 in	6 in	ft	EACH
LINE "PR-US 3P"										
548+17	552+08	LT	39.1			24			418	1
548+20	549+58	RT	139						139	
548+17	550+27	LT			210				210	
548+17	550+27	RT			210		90		210	
550+27	554+27	LT		820		12			828	4
550+27	554+27	RT	840			12			852	2
553+04	554+19	RT						76	76	
554+46	555+44	RT						168	168	
556+10	557+18	LT	135			12			147	1
556+10	559+30	LT	340			12			342	3
556+40	560+30	RT		820					820	
LINE "PR-S-7-A"										
12+00	12+30	CENTER			260		29		289	
12+50	13+30	LT			201		20		221	
12+30	14+70	RT	240			15			255	2
13+35	14+35	LT		210		12			222	2
13+35	14+60	RT	115			12			127	
13+50	14+00	LT						92	92	
14+25	14+55	LT						117	117	
15+43	16+43	LT	310			15			325	4
15+70	16+70	LT/RT	190	300		24			324	1
16+70	20+23	LT/RT			710		118		828	
20+23	21+05	LT	82						82	
20+23	21+05	CENTER		184					184	
TOTALS			1,700	1,214	1,591	150	255	458	7,363	20

SODDING SUMMARY TABLE									
LOCATION	SECTION	REPAIR							
PROP. STATION	TO STATION	DATE							
LINE "PR-US 3P"									
548+00	553+00	X	528.0	216.0					
551+00	551+04	X	36.0	36.0					
551+00	553+70	X	28.8	28.8					
550+00	550+00	X	40.0	40.0					
551+00	554+00	X	99.7	99.7					
553+00	557+00	X	135.7	135.7					
556+00	560+00	X	518.1	806.3					
557+00	560+00	X	241.5	845.6					
LINE "PR-S-7-A"									
12+00	12+30	X	140.3	140.3					
12+00	12+30	X	36.0	36.0					
12+00	12+70	X	104.5	104.0					
12+00	12+60	X	134.6	134.3					
12+00	13+00	X	29.0	29.0					
11+50	14+00	X	68.3	102.3					
14+34	14+00	X	74.1	72.1					
13+00	13+00	X	282.0	233.0					
10+00	10+00	X	1201.8	1107.9					
10+00	10+00	X			85.2	85.2			
11+00	10+00	X	114.4	114.4					
13+00	10+00	X	21.8	21.8					
19+00	20+23	X	67.5	32.8					
TOTALS			3316	36	86				

RIGHT OF WAY MARKERS					
STATION	OFFSET	LT/RT	STATION	OFFSET	LT/RT
LINE "PR-S 3P"					
22+13.00	30'	RT	2293+00.00	22.44'	RT
22+13.00	40'	RT	2293+00.00	39'	RT
20+25.00	00'	RT	2294+00.00	50'	LT
21+18.00	00'	RT	2296+00.00	39'	RT
22+46.25	52'	LT	2297+00.00	52'	LT
22+47.00	80'	RT	2298+00.00	80'	RT
22+20.00	40'	RT	2300+00.00	52'	LT
24+00.00	40'	RT	2304+00.00	68'	RT
23+25.81	60'	RT	2306+00.00	60'	RT
22+40.00	30'	RT	2301+00.00	30'	LT
24+00.00	43'	LT	2301+00.00	25'	LT
25+20.00	30'	LT			
TOTALS 13 EACH					

MAILBOX TABLE		
LT/RT	BOX STATION	ASSEMBLY REQUIRED
RT	549+00 "PR-US 3P"	SINGLE
LT	881+07 "PR-US 3P"	1
LT	558+76 "PR-US 3P"	1
LT	558+26 "PR-US 3P"	1
RT	11+18 "PR-S-7-A"	1
RT	13+00 "PR-S-7-A"	1
RT	13+00 "PR-S-7-A"	1
RT	13+00 "PR-S-7-A"	1
LT	17+00 "PR-S-7-A"	1
LT	19+15 "PR-S-7-A"	1
TOTALS 10		

SHEET SIGN & POST SUMMARY														
SIGN, SHEET WITH LEGEND						POST								
PLAN SHEET NO./LINE	SIGN LOCATION	SIGN CODE	SIGN SIZE	STREET NAME SIGN	METAL THICKNESS AND SIGN AREA			2" X 2" - 14 GA.			1 1/4" X 2 1/4" - 12 GA.			
					0.009"	0.109"	0.151"	REINFORCED POST LENGTH (FT.)			UNREINFORCED POST LENGTH (FT.)			
					SO. FT.	SO. FT.	SO. FT.	1	2	TOTAL	1	2	TOTAL	
					INCHES	EACH								
PR-US 33	550+43, LT	D-1 (L) "Colgate Ave"				12.00			10.5	10.5	21.0			
PR-US 33	551+40, LT	R1C2	36 x 36 x 36											
PR-US 33	551+55, RT	R1C2	30 x 36			7.50								
PR-US 33	554+39	R3-S (L)	30 x 36			7.50								
PR-US 33	554+27, LT	D-1 "Colgate Ave"			1.00									
PR-US 33	555+52, RT	RELOCATE POSTING	POSTING											
PR-US 33	555+58, RT	R1C3	8 x 12			0.94								
PR-US 33	558+89, RT	D-1 "Colgate Ave"			1.00									
PR-US 33	558+00	R3-S (L)	30 x 36			7.50								
PR-US 33	558+00, LT	R10-Y58	30 x 36			7.50								
PR-US 33	558+06, LT	R10-Y58	9 x 15			0.94								
PR-US 33	558+28	R1C2	36 x 36 x 36											
PR-S-7-A	11+48, LT	D-1 (L)	24 x 18			3.00					10.5	10.5		
PR-S-7-A	12+78, LT	R3-2	24 x 24			4.00								
PR-S-7-A	13+07, LT	D-1	24 x 24			4.00					10.5	10.5		
PR-S-7-A	14+08, LT	D-1 "US 33"			1.00									
PR-S-7-A	14+38	R2-S (L)	30 x 36			7.50								
PR-S-7-A	14+43, RT	R10-Y58	30 x 36			7.50								
PR-S-7-A	14+77, RT	R2-S (R)	30 x 36			7.50								
PR-S-7-A	15+23, LT	R10-Y58	9 x 15			0.94								
PR-S-7-A	15+38, LT	R3-S (R)	30 x 36			7.50								
PR-S-7-A	15+44	R3-S (L)	30 x 36			7.50								
PR-S-7-A	15+61, RT	D-1 "US 33"			1.00									
PR-S-7-A	15+85, RT	R10-Y58	9 x 15			0.94								
PR-S-7-A	17+70, RT	R2-L (38 MPH)	24 x 30			3.00					10.5	10.5		
PAY TOTAL						4	100			21			33	

MONUMENT TABLE	
STATION	TYPE
LINE "US 33"	
PAV. 25-30.69	B
PAV. 32-32.60	B
PAV. 30-09.94	B
LINE "PR-S 7-A"	
PAV. 27-32+14.00	B
PAV. 27-32+14.00	B
TOTALS (EACH)	
	5

PATCHING SUMMARY TABLE							
Start Station	End Station	Line	Direction	Length (L.F.T)	Width (L.F.T)	Area (S.Y.S)	Depth of Patch
11+00	14+50	Line PR-S-7-A	WB	34	6	33.8	F
18+50	18+90	Line PR-S-7-A	SB	20	11	26.7	F



RECOMMENDED FOR APPROVAL
 JMA
 DESIGN ENGINEER
 10/08/10

INDIANA
 DEPARTMENT OF TRANSPORTATION

MISCELLANEOUS TABLES
 US 33 INTERSECTION IMPROVEMENTS

HORIZONTAL SCALE
 1" = 40'

VERTICAL SCALE
 1" = 20'

SHEET NO. 01 OF 04

CONTRACT NO. IN-1821

PROJECT NO. 1812P

STRUCTURE DATA

STRUCTURE NUMBER	LOCATION				SIZE (in)	PIPE TYPE	MANHOLE, INLET, CATCH BASIN, OR SPECIALTY STRUCTURE	LENGTH (ft)	SKEW	COVER (ft)	FLOW LINE		SERVISE LIFE (YR)	SITE DESIGNATION	PH	BACKFILL METHOD	STRUCTURAL BACKFILL TYPE 2 (CY)	REINFORCEMENT (TON)	CONCRETE CLASS FOR STRUCTURES (CY)	PIPE END SECTION (EA)	GRATED BOX END SECTION			SINGLE PIPE CONCRETE ANCHORS (EA)	CONNECT TO STR. NO.	REMARKS														
	STATION	LEFT	RIGHT	CROSS							UPSTREAM ELEV.	DOWN STREAM ELEV.									TYPE	SLOPE	EA																	
1	Line "R" U3 33* 550+33.43		X		12	2	INLET B-16	168.0	4.4	803.80	803.30	75	NA	7.0	1	126.7									2															
2	552+25		X		12	2	INLET C-16	84.0	3.2	803.20	802.91	75	NA	7.0	1	41.0											3													
3	553+23.2		X		15	2	INLET C-16	54.0	2.6	802.86	802.54	75	NA	7.0	1	27.8											4													
4	555+23.6	X			12	2	INLET B-16	59.0	3.9	803.09	802.91	75	NA	7.0	1	33.7											7													
5	552+79.3		X		24	2	MANHOLE C-18	51.0	3.2	801.79	801.71	75	NA	7.0	1	9.2											33													
6	554+16		X		21	2	MANHOLE C-8	63.0	2.5	802.12	802.04	75	NA	7.0	1	30.9											8													
7	554+25.6	X			21	2	INLET C-16	48.0	2.6	802.19	802.12	75	NA	7.0	1	27.1											8													
8	555+04	X			21	2	MANHOLE C-3	77.0	2.6	802.32	802.19	75	NA	7.0	1	45.3											7													
9	555+03	X			16	2	INLET C-16	98.0	2.3	802.74	802.67	75	NA	7.0	1	48.7											8													
10	556+53.7		X		12	2	INLET B-16	58.0	1.6	803.23	803.07	75	NA	7.0	1	15.9											29													
11	556+56.7	X			12	2	INLET B-16	59.0	1.1	803.36	803.20	75	NA	7.0	1	11.8											12													
12	557+00	X			18	2	INLET C-16	16.0	1.2	806.20	803.15	75	NA	7.0	1	4.3											13													
13	557+00	X			18	2	MANHOLE C-3	65.0	1.8	802.90	802.74	75	NA	7.0	1	37.8											9													
14	557+00		X		12	2	INLET C-16	38.0	1.6	803.06	802.90	75	NA	7.0	1	12.4											33													
15	557+58.7	X			12	2	INLET B-16	9.0	1.7	803.31	803.26	75	NA	7.0	1	2.8											16													
16	557+56.7	X			15	2	MANHOLE C-3	66.0	1.4	803.36	803.16	75	NA	7.0	1	17.6											13													
17	557+59.6		X		12	2	INLET B-16	40.0	1.7	803.41	803.16	75	NA	7.0	1	12.6											16													
18																												Str. 16 Not Used												
19	559+40.1	X			16	2	INLET C-16	178.0	1.4	803.72	803.28	75	NA	7.0	1	56.8											16													
20	569+40.1			X	12	2	INLET B-16	38.0	1.1	803.83	803.72	75	NA	7.0	1	6.1											16													
101	550+23.3		X				EXISTING MANHOLE																				Adjust Ceiling to Grade													
102	520+18.4	X					EXISTING INLET																				Adjust Ceiling to Grade													
103	594+67.7	X					EXISTING MANHOLE																				Adjust Ceiling to Grade													
104	556+62.3	X					EXISTING MANHOLE																				Adjust Ceiling to Grade													
105	529+58.7	X					EXISTING MANHOLE																				Adjust Ceiling to Grade													
201	525+77.3	X					EXISTING WATER VALVE																				Adjust Water Valve to Grade													
202	557+34.7	X					EXISTING WATER VALVE																				Adjust Water Valve to Grade													
TOTAL LINE SUM:																581.5																								



RECOMMENDED FOR APPROVAL: *[Signature]* 10/29/14
 DESIGNER: JMA DRAWN: JAG
 CHECKED: JMH CHECKED: JAG

INDIANA DEPARTMENT OF TRANSPORTATION
 MISCELLANEOUS TABLES
 U3 33 INTERSECTION IMPROVEMENTS

HORIZONTAL SCALE: 1"=40'
 VERTICAL SCALE: 1"=10'
 BRIDGE FILE NO.:
 SHEET NO. 41 OF 64
 PROJECT NO. 13R217
 CONTRACT NO. R-4621
 DATE 08/20/17

DATE PLOTTED: 10/29/14 10:58:00 AM
 PLOTTER: HP DesignJet T1100e
 PLOT FILE: I:\Projects\13R217\Drawings\13R217_U3_33_ITB.dwg
 PLOT SCALE: 1"=40'
 PLOT SHEET: 41 OF 64
 PLOT PROJECT: 13R217
 PLOT CONTRACT: R-4621
 PLOT DATE: 10/29/17

STRUCTURE DATA

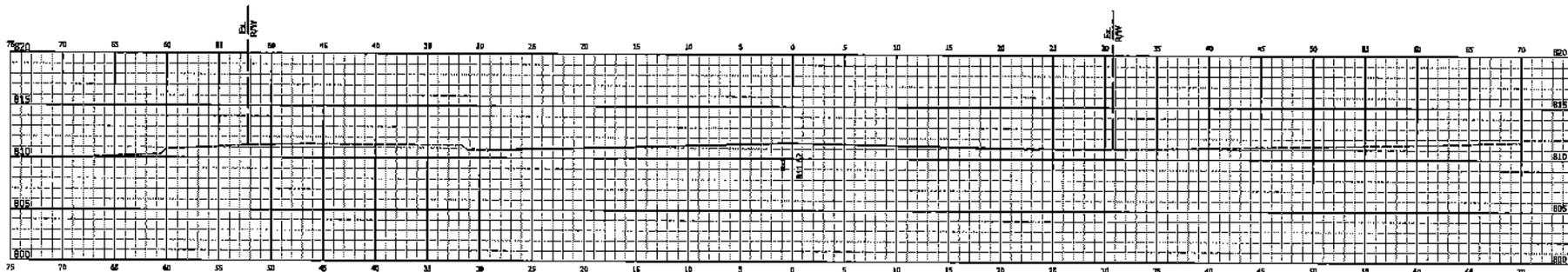
STRUCTURE NUMBER	LOCATION				SIZE (ft)	PIPE TYPE	MANHOLE, INLET, CATCH BASIN, OR SPECIALTY STRUCTURE	LENGTH (ft)	SIDEWALK COVER	FLOWLINE		SERVICE LIFE (yr.)	SITE DESIGNATION	PH	BACKFILL METHOD	STRUCTURAL BACKFILL TYPE 2	REINEMENT RIPRAP	CONCRETE CLASS & FOR STRUCTURES	PIPE END SECTION	GRATED BOX END SECTION			SINGLE PIPE CONCRETE ANCHOR 42"	CONNECT TO STR. NO.	REMARKS													
	STATION	LEFT	RIGHT	CROSS						UPSTREAM ELEV.	DOWN STREAM ELEV.									TYPE	SLOPE	EA																
																										EA	EA											
21	Line "PR-S-7-A"				12	2	INLET C-16	75.0	1.1	803.84	803.76	75	NA	7.0	1	14.1								24														
22	10+96.7	X			12	2	INLET B-16	38.0	1.2	804.08	803.84	75	NA	7.0	1	9.3									21													
23	11+88.0	X			12	2	INLET B-14	18.0	1.1	803.88	803.76	75	NA	7.0	1	4.3									25													
24	11+88.0		X		12	2	INLET C-15	33.0	1.0	803.79	803.63	75	NA	7.0	1	7.6									26													
25	11+88.7	X			12	2	INLET C-16	44.0	1.2	803.78	803.88	75	NA	7.0	1	10.7									26													
26	12+04.3		X		16	2	INLET C-15	128.0	1.1	803.38	803.09	75	NA	7.0	1	28.3									27													
27	13+36.5		X		18	2	INLET C-13	43.0	1.2	802.84	802.76	75	NA	7.0	1	14.2									28													
28	13+62.6		X		18	2	INLET C-15	111.0	1.8	802.76	802.67	75	NA	7.0	1	47.8									8													
29	14+58.1	X			12	2	INLET B-16	66.0	1.8	803.47	803.28	75	NA	7.0	1	16.1									30													
30	15+44.8	X			12	2	INLET C-18	124.0	2.6	803.28	802.88	75	NA	7.0	1	62.3									32													
31	15+66.1		X		12	2	INLET HA-8	33.0	2.7	802.97	802.87	75	NA	7.0	1	14.8									8													
32	16+82.7	X			12	2	INLET C-18	68.0	4.0	802.88	802.71	75	NA	7.0	1	35.3									33													
33	16+83.0		X		24	2	INLET C-18	86.0	4.3	801.71	801.57	75	NA	7.0	1	87.1									34													
34	17+81.3		X		24	2	MANHOLE C-4	23.0	1.8	801.67	801.64	75	NA	7.0	1	12.2	8.00		1.0						OUTFALL 24" Pipe End Section													
35	18+30.2	X			12	2	INLET B-16	44.6	5.1	802.86	802.72	75	NA	7.0	2	2.0									36													
36	18+30.2		X		18	2	INLET C-15	48.0	4.8	802.72	802.67	75	NA	7.0	1	26.1									34													
37	18+10.3		X		18	2	MANHOLE C-4	68.0	4.6	803.16	802.88	75	NA	7.0	1	79.9									40													
38	18+08.7		X		18	2	MODIFIED INLET B-7	18.0	2.0	803.22	803.16	75	NA	7.0	1	5.7									37	4" Orifice Elev. 803.22 and Reentrant Wall Elev. 805.04												
39	20+04.7	X			12	2	INLET B-15	18.0	4.8	803.38	803.33	75	NA	7.0	1	12.1									En. MH	Core Hole end Connected to Existing Structure												
40	20+03.8		X		18	2	MANHOLE C-4	13.0	4.8	802.88	802.83	75	NA	7.0	1	11.8									En. MH	Core Hole end Connected to Existing Structure												
41	20+03.8						EXISTING MANHOLE			802.80																												
106	10+78.9	X					EXISTING MANHOLE																			Adjust Casting to Grade												
107	11+37.5	X					EXISTING MANHOLE																			Adjust Casting to Grade												
108	12+00.7		X				EXISTING MANHOLE																			Adjust Casting to Grade												
109	15+17.8	X					EXISTING MANHOLE																			Adjust Casting to Grade												
110	16+55.1	X					EXISTING MANHOLE																			Adjust Casting to Grade												
203	12+14.6		X				EXISTING WATER VALVE																			Adjust Water Valve to Grade												
204	15+64.7	X					EXISTING WATER VALVE																			Adjust Water Valve to Grade												
205	19+07.0		X				EXISTING WATER VALVE																			Adjust Water Valve to Grade												
Total TRV Sherd																																						



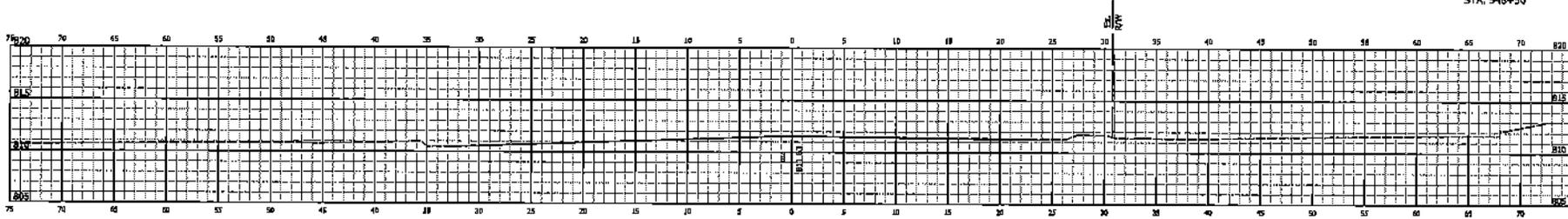
RECOMMENDED FOR APPROVAL
 DATE: 10/08/14
 DESIGNER: JNA
 CHECKED: JMH

INDIANA DEPARTMENT OF TRANSPORTATION
 MISCELLANEOUS TABLES
 US 33 INTERSECTION IMPROVEMENTS

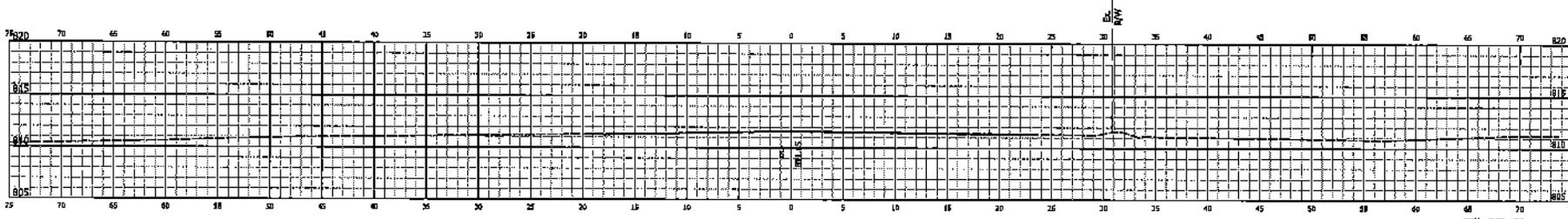
HORIZONTAL SCALE: 1" = 40'
 VERTICAL SCALE: 1" = 4'
 SHEETS: 64 OF 64
 PROJECT NO. 13A022
 SHEET NO. 13A022



STA. 548+50



STA. 546+50



STA. 547+50



RECOMMENDED FOR APPROVAL *C. M. Han* 10/20/14
 DESIGN ENGINEER DATE
 DESIGNED BY: JPK DRAWN BY: JCS
 CHECKED BY: JPH CHECKED BY: HJR

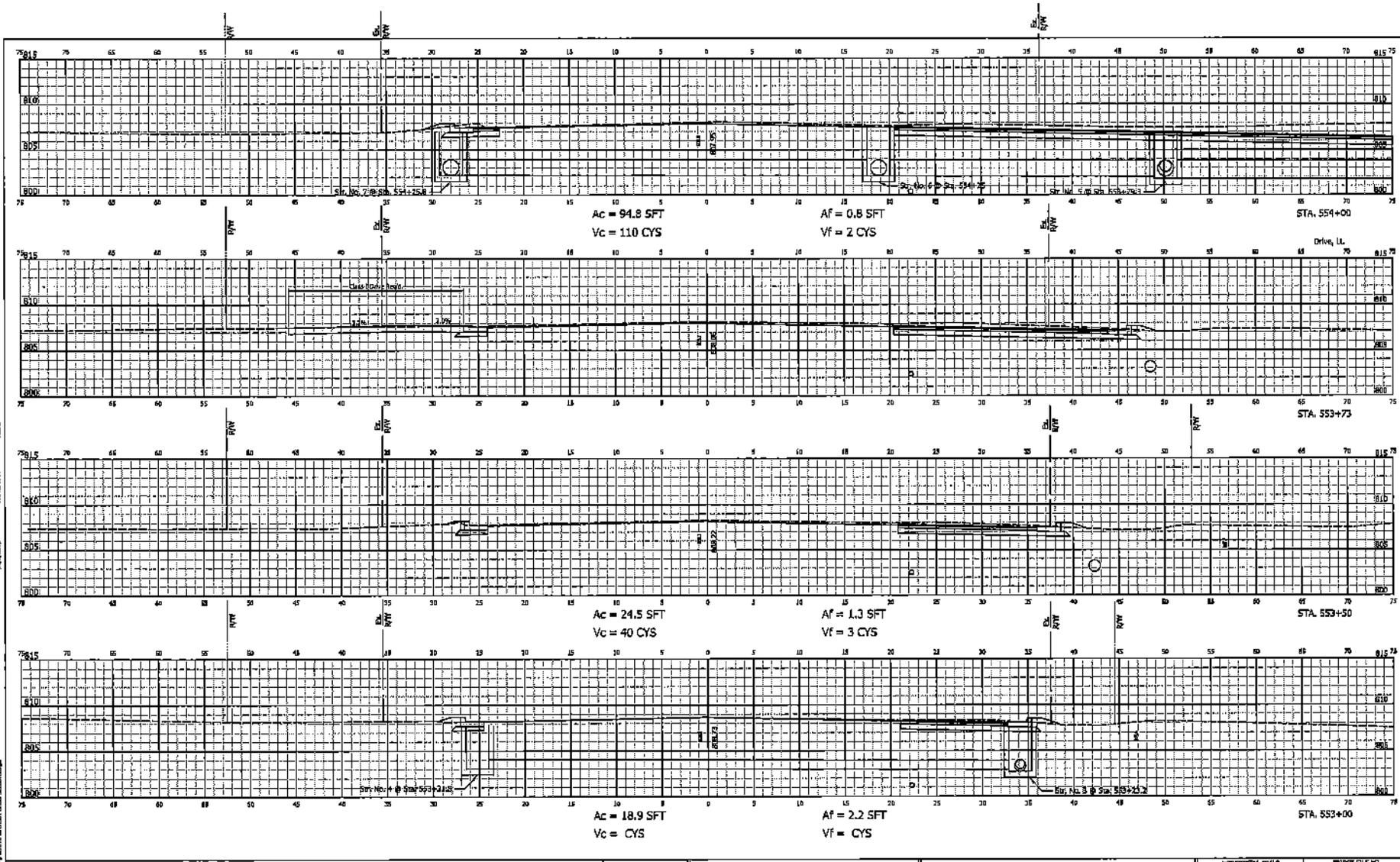
INDIANA DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS

STA. 547+50 "PR-US33" TO STA. 548+50 "PR-US33"

HORIZONTAL SCALE 1" = 5'	BRIDGE FILE NO.
VERTICAL SCALE 1" = 2'	DESIGNATION NO. 130227
SURVEY BOOK NO.	SHEETS 46 of 64
CONTRACT NO. R-41331	PROJECT NO. 130227

STATIONING - 547+50 TO 548+50 CROSS SECTIONS

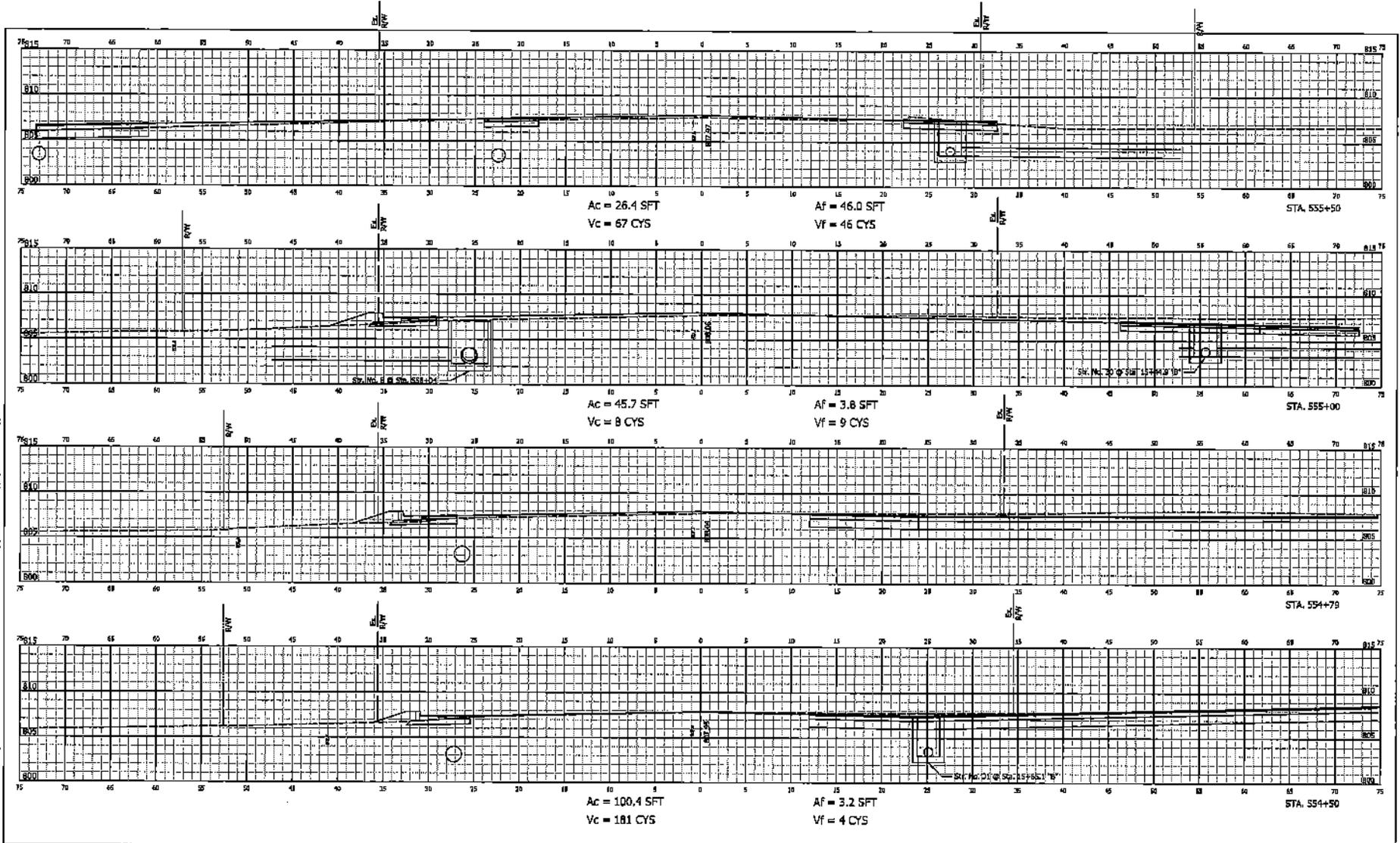


RECOMMENDED FOR APPROVAL: *J.M.H.* 10/05/14
 DESIGN ENGINEER
 DESIGNED BY: J.M.H. DRAWN BY: A.C.L.
 CHECKED BY: J.M.H. OFFICE: J.M.H.

INDIANA DEPARTMENT OF TRANSPORTATION
 CROSS SECTIONS
 STA. 553+00 "PR-US33" TO STA. 554+00 "PR-US33"

HORIZONTAL SCALE 1" = 2'	DESIGN FILE NO. 10100
VERTICAL SCALE 1" = 5'	DESIGNATION NO. 10100
SURVEY BOOK NO.	SHEETS 61 OF 64
CONTRACT NO. 6-1181	PROJECT NO. 10100

STATE OF INDIANA DEPARTMENT OF TRANSPORTATION CROSS SECTIONS



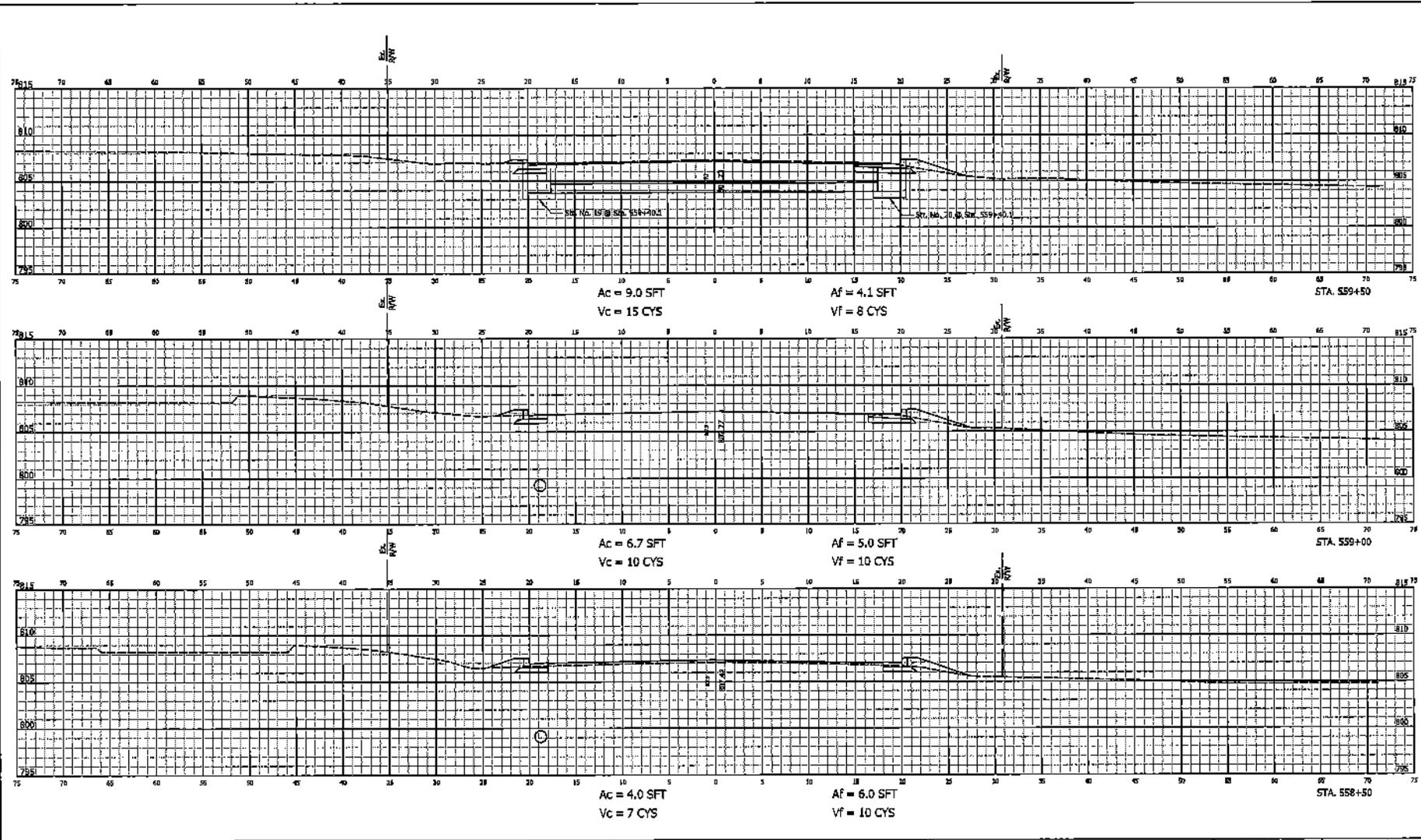
SHEET NO. 51 OF 64
 PROJECT NO. 13B227
 CONTRACT NO. 441
 DRAWING NO. 13B227



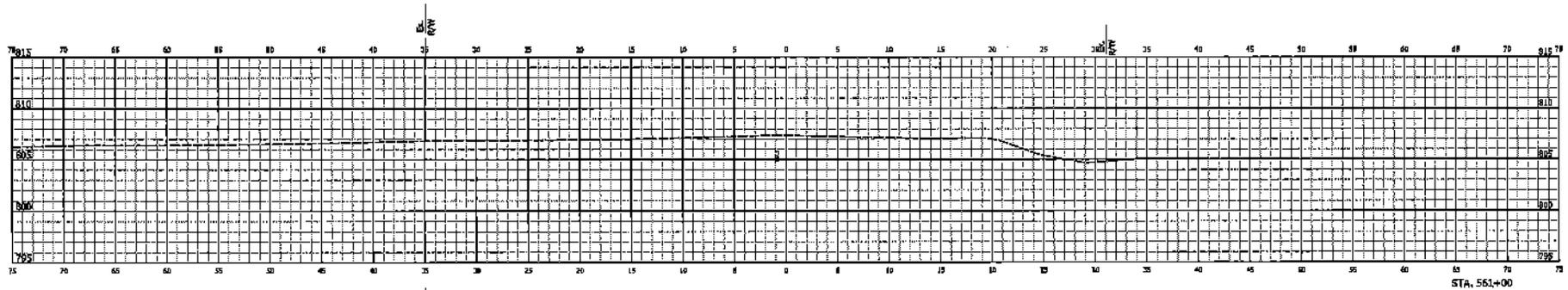
RECOMMENDED FOR APPROVAL: *[Signature]* 10/28/04
 DESIGNER: JMA DRAWING: ACE
 CHECKED: JKH

INDIANA DEPARTMENT OF TRANSPORTATION
 CROSS SECTIONS
 STA. 554+50 "PR-US33" TO STA. 555+50 "PR-US33"

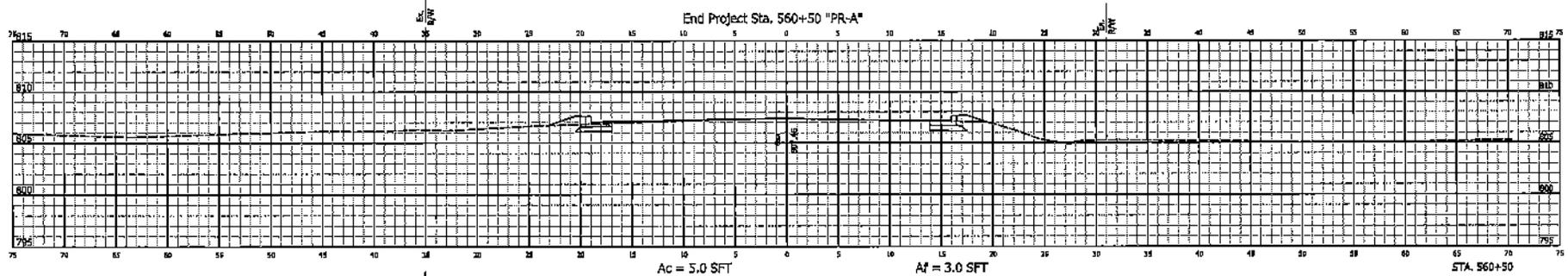
HORIZONTAL SCALE 1" = 40'	BRIDGE PILE NO.
VERTICAL SCALE 1" = 2'	DESIGNATION NO. LM182
SURVEY BOOK NO.	SHEETS 51 of 64
CONTRACT NO. 441	PROJECT NO. 13B227



	RECOMMENDED FOR APPROVAL <i>M. Pullar</i> 10/08/19 MICHAEL J. PULLAR, CIVIL	INDIANA DEPARTMENT OF TRANSPORTATION CROSS SECTIONS STA. 558+50 "PR-US33" TO STA. 559+50 "PR-US33"	HORIZONTAL SCALE 1" = 3'	BAINDER FILE NO.	
	DESIGNED: JMA		DRAWN: JCB	VERTICAL SCALE 1" = 5'	DESIGNATION AND 118322
	CHECKED: JMA		CHECKED: MHR	SURVEY BOOK NO.	51873
			CONTRACT NO. R-1182	25 OF 24 PROJECT NO. 118322	



STA. 561+00

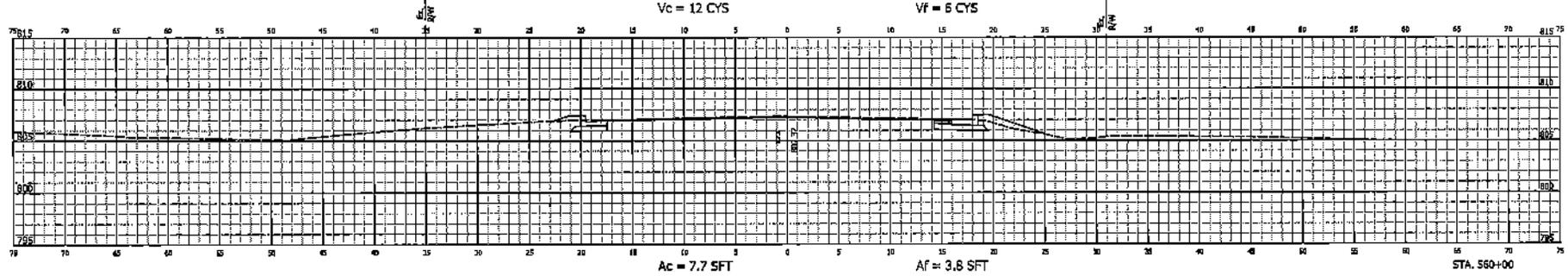


End Project Sta. 560+50 "PR-A"

STA. 560+50

AC = 5.0 SFT
Vc = 12 CYS

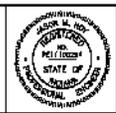
AF = 3.0 SFT
VF = 5 CYS



STA. 560+00

AC = 7.7 SFT
Vc = 15 CYS

AF = 3.8 SFT
VF = 7 CYS



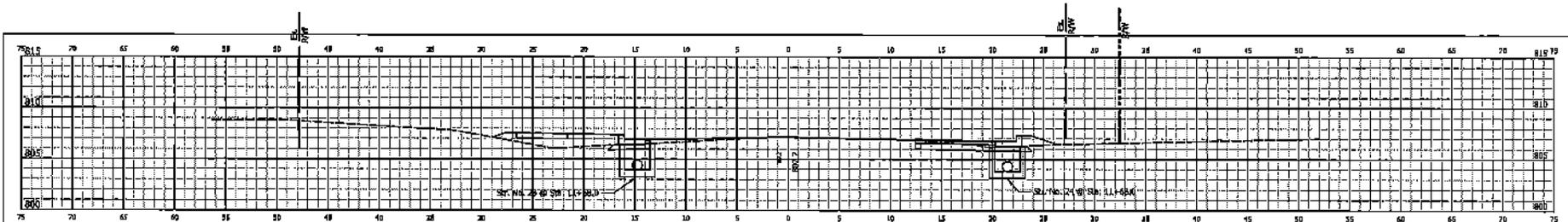
DESIGNED BY: J. M. [Signature] DATE: 10/01/19
 DRAWN: GD
 CHECKED: JH DATE: 10/01/19

INDIANA
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS

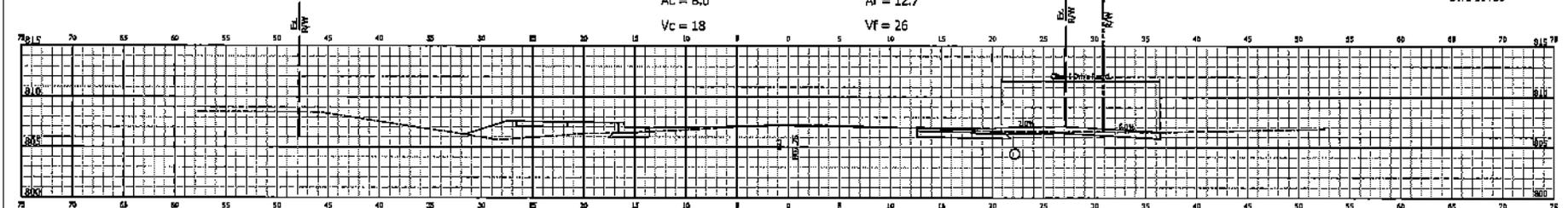
STA. 560+00 "PR-US33" TO STA. 561+00 "PR-US33"

HORIZONTAL SCALE	BRIDGE FILE NO.
1" = 5'	
VERTICAL SCALE	DESIGNATION NO.
1" = 5'	JBR237
SLABY BOOK NO.	SHEETS
	58 of 64
CONTRACT NO.	PROJECT NO.
R-4121	JBR237

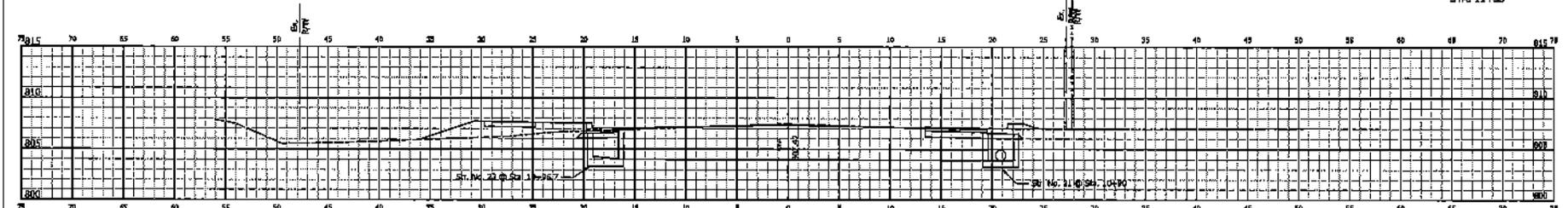


Ac = 8.0
Vc = 18
Af = 12.7
Vf = 26

STA. 11+00



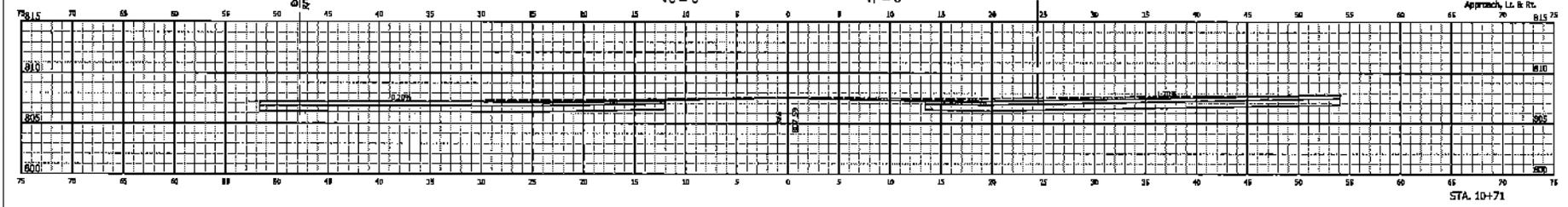
STA. 11+33



Ac = 10.9
Vc = 0
Af = 15.9
Vf = 0

STA. 11+00

Approach, L. & Rt.



STA. 10+71

Begin Construction Sta. 10+60 "PR-S-7-A"



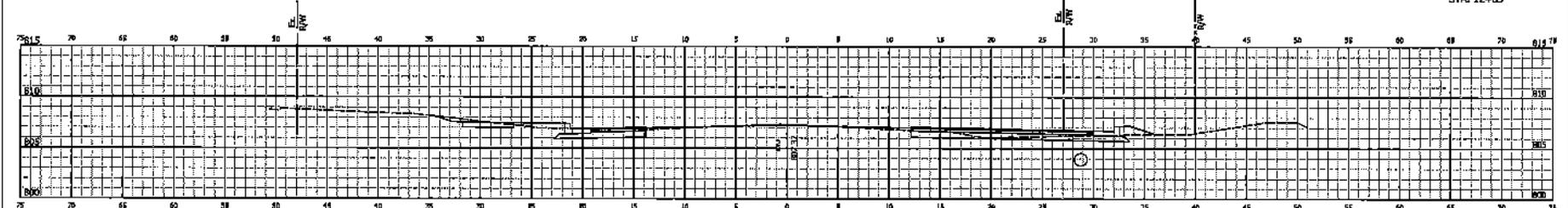
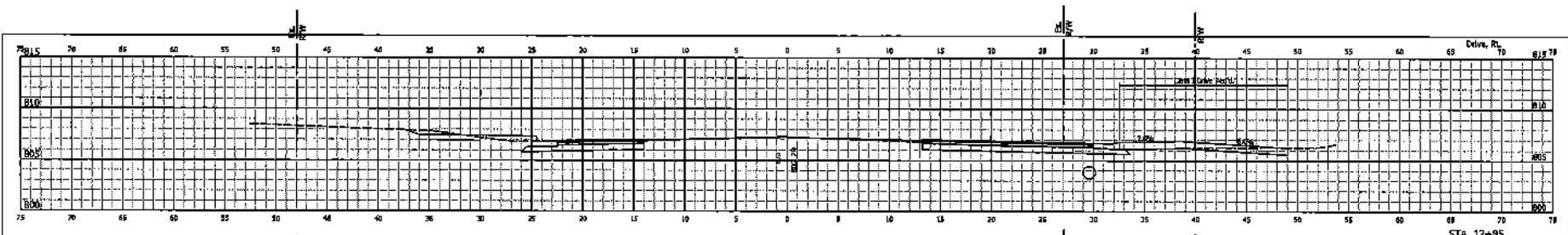
DESIGNED BY: *[Signature]*
CHECKED BY: *[Signature]*
DATE: 10/20/14

INDIANA DEPARTMENT OF TRANSPORTATION

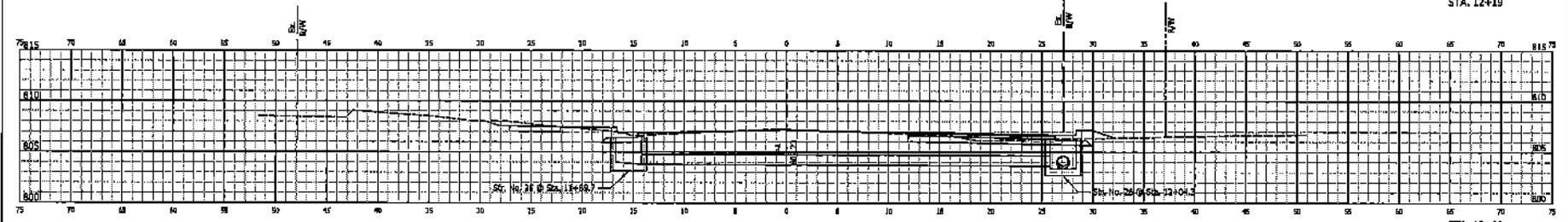
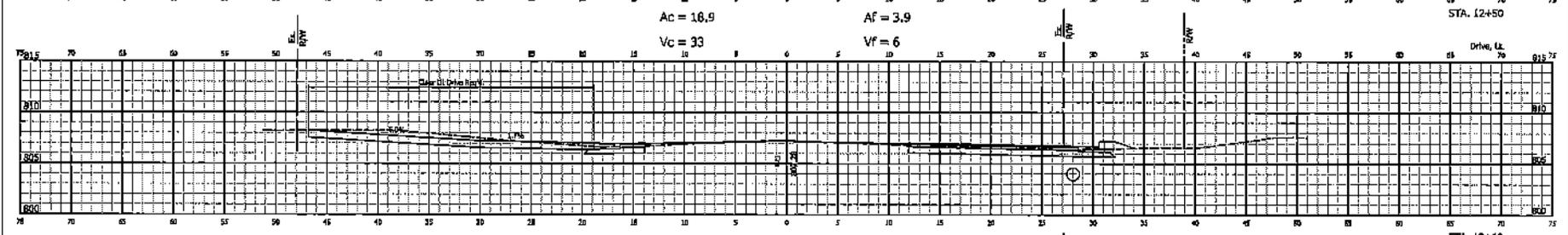
CROSS SECTIONS
STA. 10+71 "PR-S7A" TO STA. 11+50 "PR-S7A"

HORIZONTAL SCALE 1" = 20'	BRIDGE FILE NO.
VERTICAL SCALE 1" = 5'	DESIGNATION NO. 130227
SURVEY BOOK NO.	SHEETS 57 of 64
CONTRACT NO. R-4031	PROJECT NO. 12027

SECTION: 4071/4072/4073/4074/4075/4076/4077/4078/4079/4080/4081/4082/4083/4084/4085/4086/4087/4088/4089/4090/4091/4092/4093/4094/4095/4096/4097/4098/4099/4100/4101/4102/4103/4104/4105/4106/4107/4108/4109/4110/4111/4112/4113/4114/4115/4116/4117/4118/4119/4120/4121/4122/4123/4124/4125/4126/4127/4128/4129/4130/4131/4132/4133/4134/4135/4136/4137/4138/4139/4140/4141/4142/4143/4144/4145/4146/4147/4148/4149/4150/4151/4152/4153/4154/4155/4156/4157/4158/4159/4160/4161/4162/4163/4164/4165/4166/4167/4168/4169/4170/4171/4172/4173/4174/4175/4176/4177/4178/4179/4180/4181/4182/4183/4184/4185/4186/4187/4188/4189/4190/4191/4192/4193/4194/4195/4196/4197/4198/4199/4200/4201/4202/4203/4204/4205/4206/4207/4208/4209/4210/4211/4212/4213/4214/4215/4216/4217/4218/4219/4220/4221/4222/4223/4224/4225/4226/4227/4228/4229/4230/4231/4232/4233/4234/4235/4236/4237/4238/4239/4240/4241/4242/4243/4244/4245/4246/4247/4248/4249/4250/4251/4252/4253/4254/4255/4256/4257/4258/4259/4260/4261/4262/4263/4264/4265/4266/4267/4268/4269/4270/4271/4272/4273/4274/4275/4276/4277/4278/4279/4280/4281/4282/4283/4284/4285/4286/4287/4288/4289/4290/4291/4292/4293/4294/4295/4296/4297/4298/4299/4300/4301/4302/4303/4304/4305/4306/4307/4308/4309/4310/4311/4312/4313/4314/4315/4316/4317/4318/4319/4320/4321/4322/4323/4324/4325/4326/4327/4328/4329/4330/4331/4332/4333/4334/4335/4336/4337/4338/4339/4340/4341/4342/4343/4344/4345/4346/4347/4348/4349/4350/4351/4352/4353/4354/4355/4356/4357/4358/4359/4360/4361/4362/4363/4364/4365/4366/4367/4368/4369/4370/4371/4372/4373/4374/4375/4376/4377/4378/4379/4380/4381/4382/4383/4384/4385/4386/4387/4388/4389/4390/4391/4392/4393/4394/4395/4396/4397/4398/4399/4400/4401/4402/4403/4404/4405/4406/4407/4408/4409/4410/4411/4412/4413/4414/4415/4416/4417/4418/4419/4420/4421/4422/4423/4424/4425/4426/4427/4428/4429/4430/4431/4432/4433/4434/4435/4436/4437/4438/4439/4440/4441/4442/4443/4444/4445/4446/4447/4448/4449/4450/4451/4452/4453/4454/4455/4456/4457/4458/4459/4460/4461/4462/4463/4464/4465/4466/4467/4468/4469/4470/4471/4472/4473/4474/4475/4476/4477/4478/4479/4480/4481/4482/4483/4484/4485/4486/4487/4488/4489/4490/4491/4492/4493/4494/4495/4496/4497/4498/4499/4500/4501/4502/4503/4504/4505/4506/4507/4508/4509/4510/4511/4512/4513/4514/4515/4516/4517/4518/4519/4520/4521/4522/4523/4524/4525/4526/4527/4528/4529/4530/4531/4532/4533/4534/4535/4536/4537/4538/4539/4540/4541/4542/4543/4544/4545/4546/4547/4548/4549/4550/4551/4552/4553/4554/4555/4556/4557/4558/4559/4560/4561/4562/4563/4564/4565/4566/4567/4568/4569/4570/4571/4572/4573/4574/4575/4576/4577/4578/4579/4580/4581/4582/4583/4584/4585/4586/4587/4588/4589/4590/4591/4592/4593/4594/4595/4596/4597/4598/4599/4600/4601/4602/4603/4604/4605/4606/4607/4608/4609/4610/4611/4612/4613/4614/4615/4616/4617/4618/4619/4620/4621/4622/4623/4624/4625/4626/4627/4628/4629/4630/4631/4632/4633/4634/4635/4636/4637/4638/4639/4640/4641/4642/4643/4644/4645/4646/4647/4648/4649/4650/4651/4652/4653/4654/4655/4656/4657/4658/4659/4660/4661/4662/4663/4664/4665/4666/4667/4668/4669/4670/4671/4672/4673/4674/4675/4676/4677/4678/4679/4680/4681/4682/4683/4684/4685/4686/4687/4688/4689/4690/4691/4692/4693/4694/4695/4696/4697/4698/4699/4700/4701/4702/4703/4704/4705/4706/4707/4708/4709/4710/4711/4712/4713/4714/4715/4716/4717/4718/4719/4720/4721/4722/4723/4724/4725/4726/4727/4728/4729/4730/4731/4732/4733/4734/4735/4736/4737/4738/4739/4740/4741/4742/4743/4744/4745/4746/4747/4748/4749/4750/4751/4752/4753/4754/4755/4756/4757/4758/4759/4760/4761/4762/4763/4764/4765/4766/4767/4768/4769/4770/4771/4772/4773/4774/4775/4776/4777/4778/4779/4780/4781/4782/4783/4784/4785/4786/4787/4788/4789/4790/4791/4792/4793/4794/4795/4796/4797/4798/4799/4800/4801/4802/4803/4804/4805/4806/4807/4808/4809/4810/4811/4812/4813/4814/4815/4816/4817/4818/4819/4820/4821/4822/4823/4824/4825/4826/4827/4828/4829/4830/4831/4832/4833/4834/4835/4836/4837/4838/4839/4840/4841/4842/4843/4844/4845/4846/4847/4848/4849/4850/4851/4852/4853/4854/4855/4856/4857/4858/4859/4860/4861/4862/4863/4864/4865/4866/4867/4868/4869/4870/4871/4872/4873/4874/4875/4876/4877/4878/4879/4880/4881/4882/4883/4884/4885/4886/4887/4888/4889/4890/4891/4892/4893/4894/4895/4896/4897/4898/4899/4900/4901/4902/4903/4904/4905/4906/4907/4908/4909/4910/4911/4912/4913/4914/4915/4916/4917/4918/4919/4920/4921/4922/4923/4924/4925/4926/4927/4928/4929/4930/4931/4932/4933/4934/4935/4936/4937/4938/4939/4940/4941/4942/4943/4944/4945/4946/4947/4948/4949/4950/4951/4952/4953/4954/4955/4956/4957/4958/4959/4960/4961/4962/4963/4964/4965/4966/4967/4968/4969/4970/4971/4972/4973/4974/4975/4976/4977/4978/4979/4980/4981/4982/4983/4984/4985/4986/4987/4988/4989/4990/4991/4992/4993/4994/4995/4996/4997/4998/4999/5000



$Ac = 16.9$ $Af = 3.9$
 $Vc = 33$ $Vf = 6$



$Ac = 16.3$ $Af = 2.7$
 $Vc = 23$ $Vf = 14$

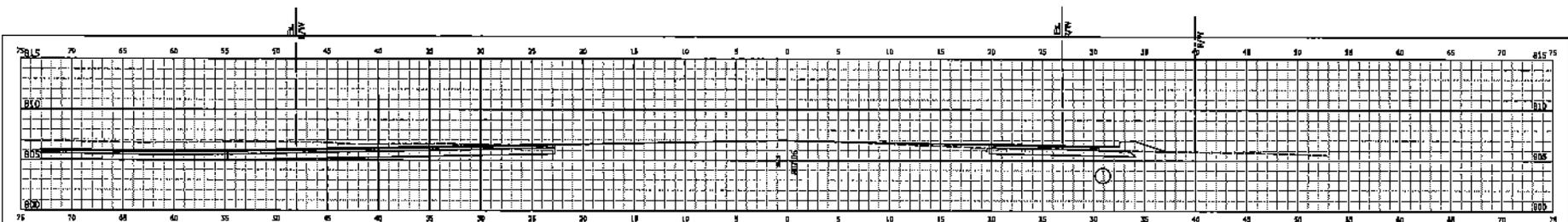


RECOMMENDED FOR APPROVAL: *J. Hayes* 10/08/10 DATE
 DESIGNER: J.H.S. DRAWN: A.C.S.
 CHECKED: J.H.S. CHECKED: J.H.S.

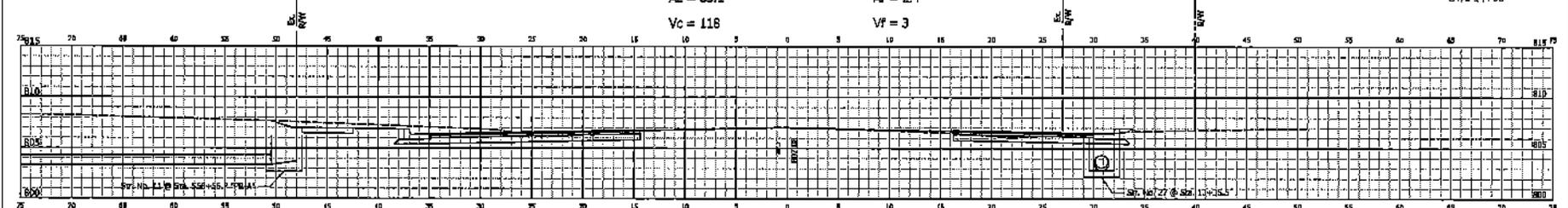
INDIANA DEPARTMENT OF TRANSPORTATION
 CROSS SECTIONS
 STA. 12+00 "PR-S7A" TO STA. 12+85 "PR-S7A"

HORIZONTAL SCALE 1" = 5'	BRIDGE FILE NO.
VERTICAL SCALE 1" = 5'	DESIGNATION NO. 120237
SHEET BOOM NO.	SHEETS 58 of 64
CONTRACT NO. R-4181	PROJECT NO. 120237

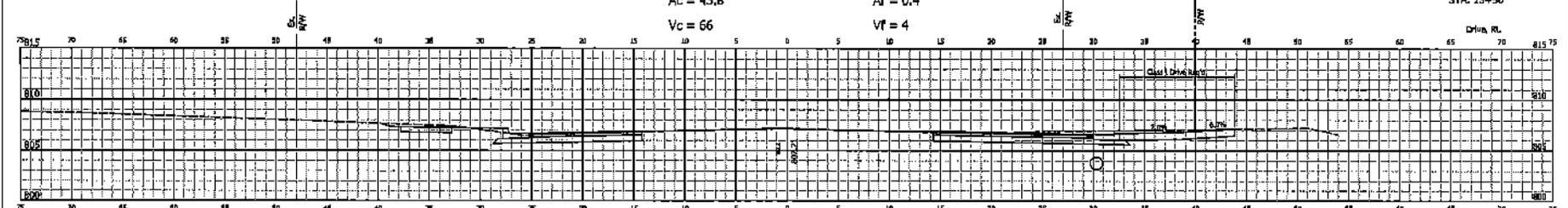
SECTION: 12+00 TO 12+85
 DATE: 10/08/10
 DRAWN BY: A.C.S.
 CHECKED BY: J.H.S.
 PROJECT NO.: 120237



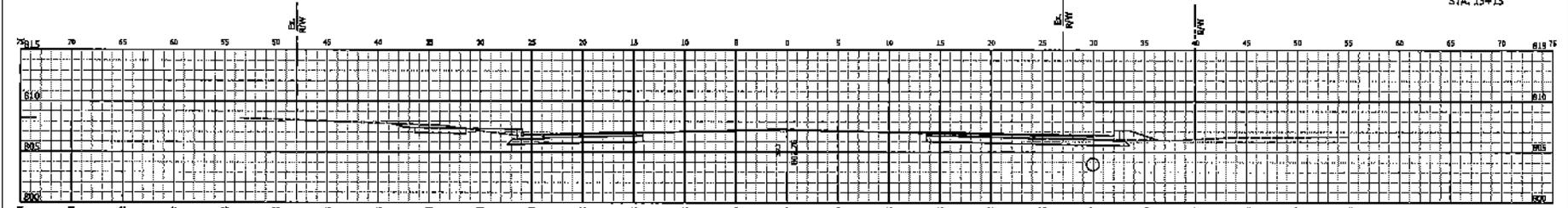
$Ac = 83.1$ $Af = 2.4$ STA. 14+00
 $Vc = 118$ $Vf = 3$



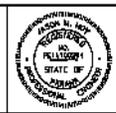
$Ac = 43.8$ $Af = 0.4$ STA. 13+50
 $Vc = 66$ $Vf = 4$



$Ac = 27.0$ $Af = 3.9$ STA. 13+15
 $Vc = 43$ $Vf = 7$



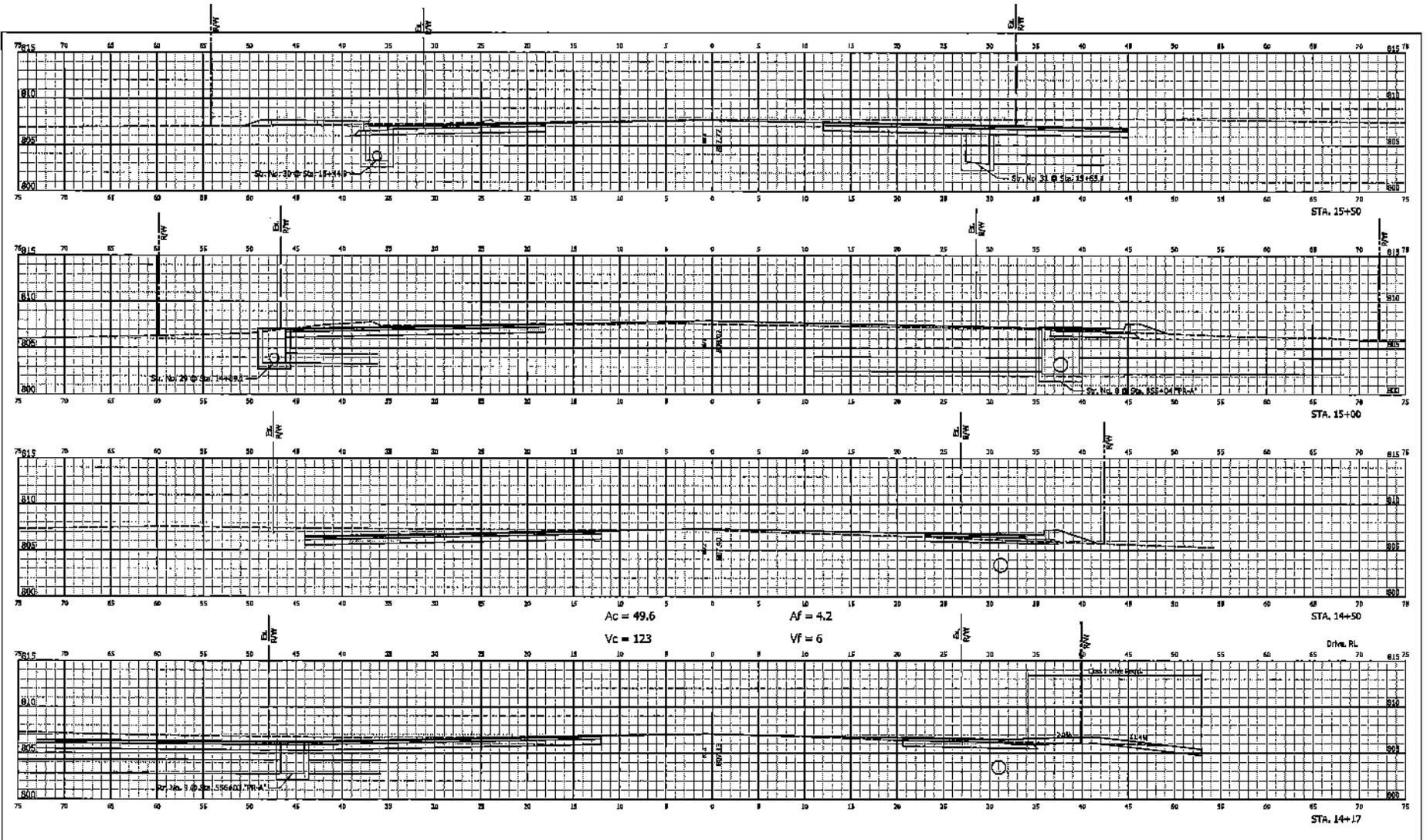
$Ac = 27.0$ $Af = 3.9$ STA. 13+00
 $Vc = 43$ $Vf = 7$



RECOMMENDED FOR APPROVAL: *[Signature]* 12/10/11
 DESIGNER: JMA DRAWN: JCB
 CHECKED: JMH

INDIANA DEPARTMENT OF TRANSPORTATION
 CROSS SECTIONS
 STA. 13+00 "PR-S7A" TO STA. 14+00 "PR-S7A"

HORIZONTAL SCALE 1" = 5'	BRIDGE PCB NO.
VERTICAL SCALE 1" = 5'	DESIGNATION NO. 130227
SURVEY BOOK NO.	SHEETS 59 of 64
CONTRACT NO. R-41881	PROJECT NO. 130227

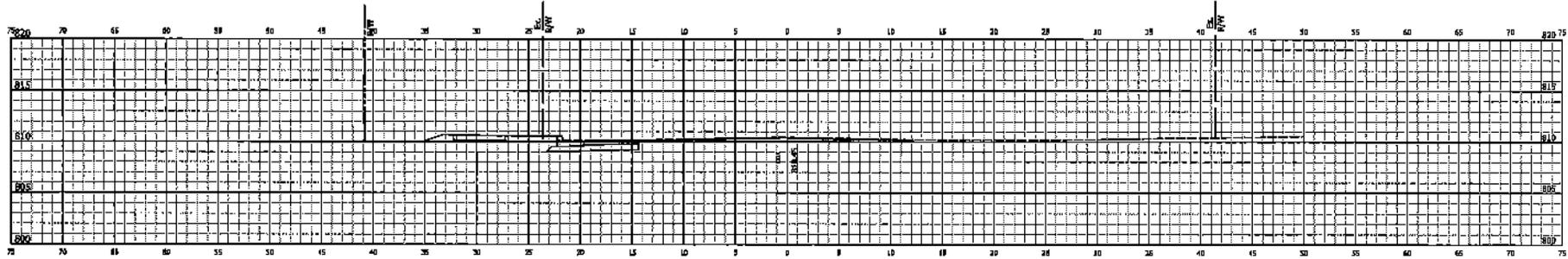


RECOMMENDED FOR APPROVAL *M. H. H. H.* 10/20/14
 DESIGN ENGINEER CIVIL
 DESIGNED BY PA DRAWN BY
 CHECKED BY J.H. CHECKED BY H.H.

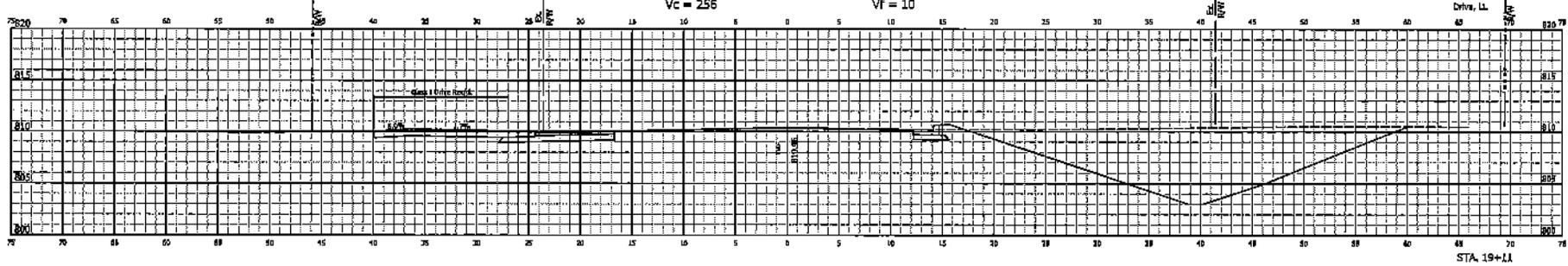
INDIANA DEPARTMENT OF TRANSPORTATION
 CROSS SECTIONS
 STA. 14+17 "PR-S7A" TO STA. 15+50 "PR-S7A"

HORIZONTAL SCALE 1" = 3'	BRIDGE FILE NO.
VERTICAL SCALE 1" = 2'	DELEGATION NO. 131827
SURVEY BOOK NO.	SHEETS 60 of 64
CONTRACT NO. R-41821	PROJECT NO. 130227

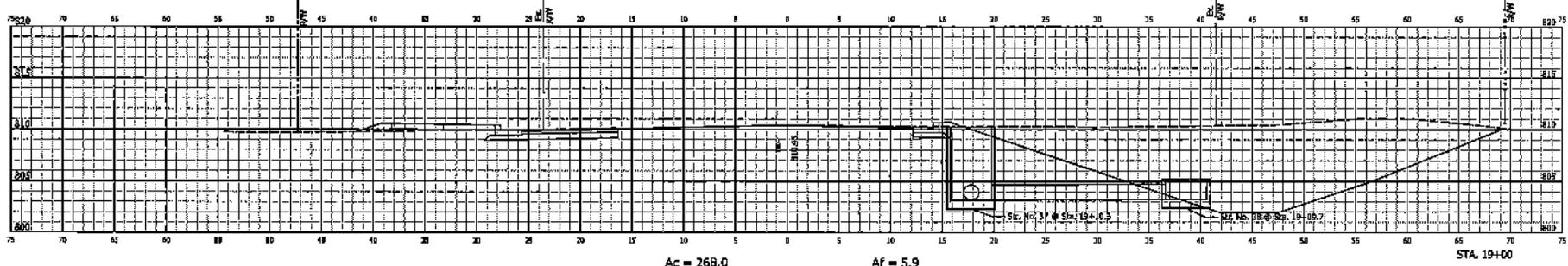
S:\Projects\14-17\14-17-Cross Sections.dwg



$Ac = 8.4$ $Af = 4.9$ STA. 19+50
 $Vc = 256$ $Vf = 10$ Drive, L.



$Ac = 269.0$ $Af = 5.9$ STA. 19+11
 $Vc = 503$ $Vf = 13$



$Ac = 269.0$ $Af = 5.9$ STA. 19+00
 $Vc = 503$ $Vf = 13$



RECOMMENDED FOR APPROVAL
 DESIGNER: *J. H. H.* DATE: 10/10/14
 DRAWN: *AF*
 CHECKED: *MM*

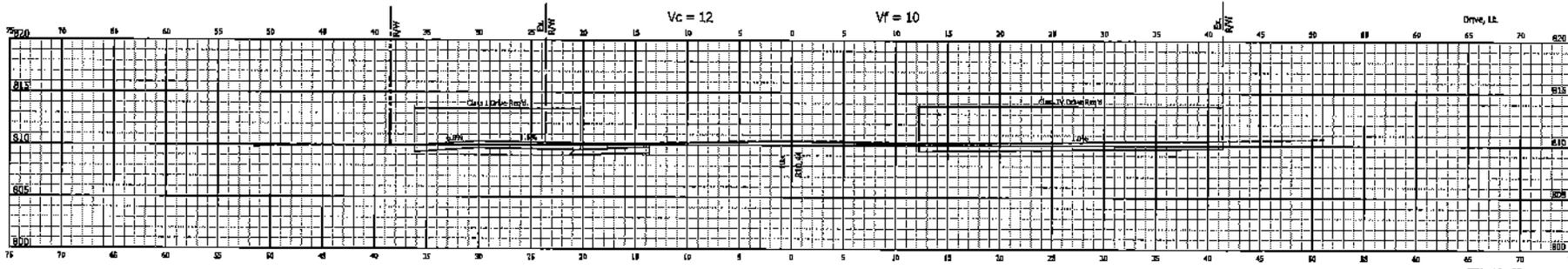
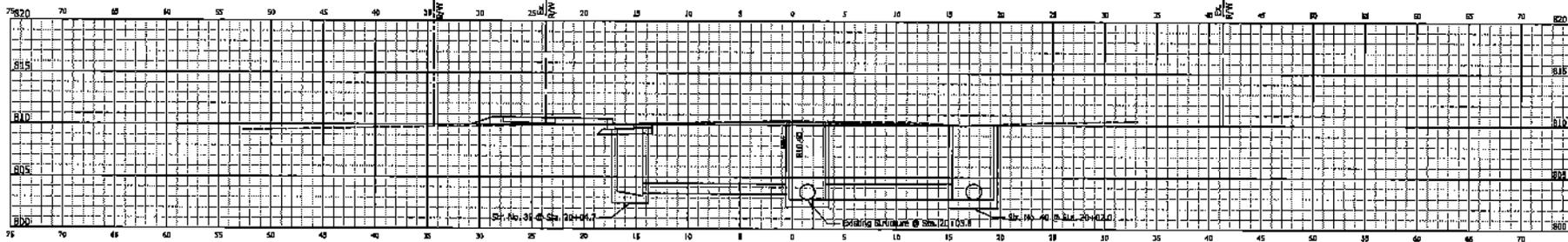
INDIANA DEPARTMENT OF TRANSPORTATION
 CROSS SECTIONS
 STA. 19+00 "PR-S7A" TO STA. 19+50 "PR-S7A"

HORIZONTAL SCALE 1" = 2'	BRODIE FILE NO.
VERTICAL SCALE 1" = 5'	DISTRIBUTION NO. 130222
SURVEY BENCH #11	SHEETS 43 of 54
CONTRACT NO. R-41821	PROJECT NO. 130227

S:\Data\101014\101014.dwg 10/10/14 10:10:14 AM 10/10/14 10:10:14 AM

End Incidental Construction Sta. 21+05 "PR-S-7-A"

End Construction Sta. 20+25 "PR-S-7-A"



RECOMMENDED FOR APPROVAL
[Signature]
 DESIGNER: JMA
 CHECKER: JHR
 DRAWING: GCP
 CHECKED: HBR
 LICENSE ENGINEER: 6781
 DATE: 10/10/68

INDIANA DEPARTMENT OF TRANSPORTATION
 CROSS SECTIONS
 STA. 19+68 "PR-S7A" TO STA. 20+00 "PR-S7A"

HORIZONTAL SCALE 1" = 20'	BRIDGE FILE NO.
VERTICAL SCALE 1" = 2'	DESIGNATION NO. 131837
SURVEY BOOK NO.	SHEETS 64 of 64
CONTRACT NO. R-4184	PROJECT NO. 131837

11/17/2013 9:03:03 AM
 I:\PROJECTS\131837\Drawings\Cross Sections\CS

EXHIBIT B
PRELIMINARY PROJECT BUDGET

[Attached]

Attachment B

INDIANA DEPARTMENT OF TRANSPORTATION
CES JOB SUMMARY ESTIMATE

DATE : 11/07/2019
PAGE : 1

JOB NUMBER: 1383237	ESTIMATOR: JENN ALEXANDER	SPEC YEAR: 10
DESCRIPTION: OTHER INTERSECTION IMPROVEMENT	COUNTY: C020	WORK TYPE: P000
ON US33 9.42 MILES N OF SR 13 AT CR 36/COLLEGE AVE	SEASON: SUMMER	UNIT SYSTEM: E
HIGHWAY TYPE: Other Principal Arterial	FT. WAYNE DISTRICT	CONTINGENCY: 0.00%
DATE UPDATED: 11/07/2019	LETTING DATE: 02/05/2020	READY FOR CONTRACT DATE: 11/27/2019
CONTRACT NO: R -41821	CHECKED BY: JASON HOY	DATE CHECKED: 11/07/2019
LATITUDE: 350000	PROJECT LENGTH: 0.2420	PAVEMENT WIDTH: 36.0000
LONGITUDE: 890000	LANE MILES/KM: 0.5	PAVEMENT DEPTH: 10

LINE	CAT	ITEM	DESCRIPTION	QTY	UNIT	PRICE	AMOUNT	OBS	REC/STD/UNIQUE
0001	0001	105-06845	CONSTRUCTION ENGINEERING	1.0000	LS @ \$	39,000.00 = \$	39,000.00	N	S
0002	0001	107-09358	INSPECTION HOLE DEEPER THAN 3 FT	5.0000	EACH @ \$	516.67 = \$	2,583.35	N	R 107-C-243
0003	0001	107-09367	INSPECTION HOLE 3 FT DEEP OR LESS	5.0000	EACH @ \$	590.16 = \$	2,950.80	N	R 107-C-243
0004	0001	109-08359	LIQUIDATED DAMAGES	1.0000	DOL @ \$	1.00 = \$	1.00	N	S
0005	0001	109-08360	CONTRACT LIENS	1.0000	DOL @ \$	1.00 = \$	1.00	N	S
0006	0001	109-08440	QUALITY ADJUSTMENTS HMA	1.0000	DOL @ \$	1.00 = \$	1.00	N	S
0007	0001	109-08443	QUALITY ADJUSTMENTS TTCD	1.0000	DOL @ \$	1.00 = \$	1.00	N	S
0008	0001	109-08444	QUALITY ADJUSTMENTS FM	1.0000	DOL @ \$	1.00 = \$	1.00	N	S
0009	0001	109-08463	PROJECT ESTIMATE ADJUSTMENT	1.0000	DOL @ \$	1.00 = \$	1.00	N	R 109-C-212
0010	0001	109-09377	QUALITY ADJUSTMENTS PTM	1.0000	DOL @ \$	1.00 = \$	1.00	N	S
0011	0001	109-09489	PAYMENT ADJUSTMENT PG ASPHALT BINDER	1.0000	DOL @ \$	1.00 = \$	1.00	N	S
0012	0001	110-01001	MOBILIZATION AND DEMOBILIZATION	1.0000	LS @ \$	100,000.00 = \$	100,000.00	N	S
0013	0001	201-52370	CLEARING RIGHT OF WAY	1.0000	LS @ \$	50,000.00 = \$	50,000.00	N	S 201-C-052
0014	0001	202-02637	PIPE ABANDON AND GROUT FILL	880.0000	LFT @ \$	25.71 = \$	22,624.80	N	U
0015	0001	202-86946	HANDHOLE REMOVE	4.0000	EACH @ \$	593.76 = \$	2,375.04	N	S
0016	0001	202-90277	DETECTOR HOUSING REMOVE	8.0000	EACH @ \$	250.00 = \$	2,000.00	N	S
0017	0001	202-91385	INLET REMOVE	6.0000	EACH @ \$	421.00 = \$	2,526.00	N	S
0018	0001	202-93047	MANHOLE REMOVE	2.0000	EACH @ \$	750.00 = \$	1,500.00	N	S
0019	0001	202-93995		2.0000	EACH @ \$	1,087.50 = \$	2,175.00	N	S

INDIANA DEPARTMENT OF TRANSPORTATION
CES JOB SUMMARY ESTIMATE

DATE : 11/07/2019
PAGE : 2

JOB NUMBER: 1383237 ESTIMATOR: JENN ALEXANDER SPEC YEAR: 10
 DESCRIPTION: OTHER INTERSECTION IMPROVEMENT COUNTY: C020 WORK TYPE: P000
 ON US33 9.42 MILES N OF SR 13 AT CR 36/COLLEGE AVE SEASON: SUMMER UNIT SYSTEM: E
 HIGHWAY TYPE: Other Principal Arterial FT. WAYNE DISTRICT CONTINGENCY: 0.00%
 DATE UPDATED: 11/07/2019 LETTING DATE: 02/05/2020 READY FOR CONTRACT DATE: 11/27/2019
 CONTRACT NO: R -41821 CHECKED BY: JASON HOY DATE CHECKED: 11/07/2019
 LATITUDE: 350000 PROJECT LENGTH: 0.2420 PAVEMENT WIDTH: 36.0000
 LONGITUDE: 890000 LANE MILES/KM: 0.5 PAVEMENT DEPTH: 10

LINE CAT	ITEM	DESCRIPTION	QTY	UNIT	PRICE	AMOUNT	OBS	REC/STD/UNIQUE
0020	0001	SIGNAL POLE FNDN REMOVE 202-93999	2.0000	EACH @	\$ 1,340.63 =	\$ 2,681.26	N	S
0021	0001	SIGNAL POLE REMOVE 202-97009	2.0000	EACH @	\$ 1,500.00 =	\$ 3,000.00	N	S
0022	0001	FIRE HYDRANT ASSEMBLY REMOVE 203-02000	3,560.0000	CYS @	\$ 38.52 =	\$ 137,131.20	N	S
0023	0001	EXCAVATION COMMON 205-12108	18,540.0000	DOL @	\$ 1.00 =	\$ 18,540.00	N	S
0024	0001	STORM WATER MANAGEMENT BUDGET 205-12109	1.0000	LS @	\$ 34,700.00 =	\$ 34,700.00	N	S
0025	0001	SWQCP PREP AND IMPLEMENTATION LEVEL 1 207-08264	685.0000	SYS @	\$ 36.00 =	\$ 24,660.00	N	S
0026	0001	SUBGRADE TREATMENT TYPE II 207-09935	4,374.0000	SYS @	\$ 28.52 =	\$ 124,746.48	N	S
0027	0001	SUBGRADE TREATMENT TYPE IC 211-09265	1,114.0000	CYS @	\$ 43.37 =	\$ 48,314.18	N	S
0028	0001	STRUCTURE BACKFILL TYPE 2 214-11796	258.0000	SYS @	\$ 1.25 =	\$ 322.50	N	S
0029	0001	GEOGRID TYPE IB 214-12244	60.0000	SYS @	\$ 10.44 =	\$ 626.40	N	S
0030	0001	GEOTEXTILE FOR SUBGRADE TYPE 2B 301-12232	20.0000	CYS @	\$ 98.00 =	\$ 1,960.00	N	S 301-R-688 EFFECTIVE 12-1-2019
0031	0001	COMPACTED AGGREGATE NO 5 302-07455	115.0000	CYS @	\$ 82.60 =	\$ 9,499.00	N	S 302-R-689 EFFECTIVE 12-1-2019
0032	0001	DENSE GRADED SUBBASE 303-01180	24.0000	TON @	\$ 129.87 =	\$ 3,116.88	N	S 303-R-690 EFFECTIVE 12-1-2019
0033	0001	COMPACTED AGGREGATE NO 53 304-07783	43.0000	TON @	\$ 258.00 =	\$ 11,094.00	N	S
0034	0001	HMA PATCHING TYPE D 304-07789	2,012.0000	TON @	\$ 80.38 =	\$ 161,724.56	N	S
		WIDENING WITH HMA TYPE D						

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JOB NUMBER: 1383237 ESTIMATOR: JENN ALEXANDER SPEC YEAR: 10
 DESCRIPTION: OTHER INTERSECTION IMPROVEMENT COUNTY: C020 WORK TYPE: P000
 ON US33 9.42 MILES N OF SR 13 AT CR 36/COLLEGE AVE SEASON: SUMMER UNIT SYSTEM: E
 HIGHWAY TYPE: Other Principal Arterial FT. WAYNE DISTRICT CONTINGENCY: 0.00%
 DATE UPDATED: 11/07/2019 LETTING DATE: 02/05/2020 READY FOR CONTRACT DATE: 11/27/2019
 CONTRACT NO: R -41821 CHECKED BY: JASON HOY DATE CHECKED: 11/07/2019
 LATITUDE: 350000 PROJECT LENGTH: 0.2420 PAVEMENT WIDTH: 36.0000
 LONGITUDE: 890000 LANE MILES/KM: 0.5 PAVEMENT DEPTH: 10

LINE CAT	ITEM	DESCRIPTION	QTY	UNIT	PRICE	AMOUNT	OBS	REC/STD/UNIQUE
0035	0001	306-08034	10,109.0000	SYS @	\$ 2.55 =	\$ 25,777.95	N	S
		MILLING ASPHALT 1 1/2 IN						
0036	0001	401-07335	812.0000	TON @	\$ 150.75 =	\$ 122,409.00	N	S
		QC/QA-HMA 4 76 SURFACE 9.5 mm						
0037	0001	401-10258	6,616.0000	LFT @	\$ 0.64 =	\$ 4,234.24	N	S
		JOINT ADHESIVE SURFACE						
0038	0001	401-10259	3,361.0000	LFT @	\$ 0.56 =	\$ 1,882.16	N	S
		JOINT ADHESIVE INTERMEDIATE						
0039	0001	401-11785	6,616.0000	LFT @	\$ 0.43 =	\$ 2,844.88	N	S
		LIQUID ASPHALT SEALANT						
0040	0001	406-05520	5.0000	TON @	\$ 699.67 =	\$ 3,498.35	N	S
		ASPHALT FOR TACK COAT						
0041	0001	604-06070	377.0000	SYS @	\$ 69.16 =	\$ 26,073.32	N	S
		SIDEWALK CONCRETE						
0042	0001	604-08086	63.0000	SYS @	\$ 210.00 =	\$ 13,230.00	N	S
		CURE RAMP CONCRETE						
0043	0001	604-12083	15.0000	SYS @	\$ 148.50 =	\$ 2,227.50	N	S
		DETECTABLE WARNING SURFACES						
0044	0001	605-02278	352.0000	LFT @	\$ 24.92 =	\$ 8,771.84	N	S
		CURE REMOVE						
0045	0001	605-02493	215.0000	SYS @	\$ 102.05 =	\$ 21,940.75	N	S
		CURE ISLAND CONCRETE						
0046	0001	605-06140	3,311.0000	LFT @	\$ 30.33 =	\$ 100,422.63	N	S
		CURE AND GUTTER CONCRETE						
0047	0001	610-07788	52.0000	TON @	\$ 140.00 =	\$ 7,280.00	N	S
		HMA FOR APPROACHES TYPE D						
0048	0001	610-08446	428.0000	SYS @	\$ 59.15 =	\$ 25,316.20	N	S
		PCCP FOR APPROACHES 6 IN						
0049	0001	610-09108	258.0000	SYS @	\$ 100.00 =	\$ 25,800.00	N	S
		PCCP FOR APPROACHES 9 IN						
0050	0001	611-06497	10.0000	EACH @	\$ 190.83 =	\$ 1,908.30	N	S
		MAILBOX ASSEMBLY SINGLE						
0051	0001	615-06490	23.0000	EACH @	\$ 185.21 =	\$ 4,259.83	N	S
		RIGHT OF WAY MARKER						
0052	0001	615-06505	5.0000	EACH @	\$ 859.50 =	\$ 4,297.50	N	S
		MONUMENT B						
0053	0001	616-06405	6.0000	TON @	\$ 89.87 =	\$ 539.22	N	S

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0054	0001	RIPRAP REVETMENT 616-06451	224.0000	TON	@ \$ 75.04 = \$	16,808.96	N	S
0055	0001	RIPRAP UNIFORM 616-12246	296.0000	SYS	@ \$ 3.63 = \$	1,074.48	N	S
0056	0001	GEOTEXTILE FOR RIPRAP TYPE 1A 621-03787	0.4000	LBS	@ \$ 245.00 = \$	98.00	N	S
0057	0001	SEED MIXTURE D 621-06553	4.1000	LBS	@ \$ 109.65 = \$	449.56	N	S
0058	0001	SEED MIXTURE R 621-06574	3,336.0000	SYS	@ \$ 7.81 = \$	26,054.16	N	S
0059	0001	SODDING 628-09402	12.0000	MOS	@ \$ 2,001.21 = \$	24,014.52	N	S
0060	0001	FIELD OFFICE B 715-02181	100.0000	LFT	@ \$ 88.51 = \$	8,851.00	N	U
0061	0001	SANITARY SEWER SERVICE ADJUSTMENT 715-04596	6.0000	EACH	@ \$ 1,744.26 = \$	10,465.56	N	U
0062	0001	WATER SERVICE 715-04965	337.0000	LFT	@ \$ 52.00 = \$	17,524.00	N	U
0063	0001	WATER SERVICE LINE 715-04987	2.0000	EACH	@ \$ 1,411.84 = \$	2,823.68	N	U
0064	0001	CONNECTION 12 IN 715-04995	2.0000	EACH	@ \$ 9,518.10 = \$	19,036.20	N	U
0065	0001	LINE STOP 715-05149	1,169.0000	LFT	@ \$ 66.00 = \$	77,154.00	N	S
0066	0001	PIPE TYPE 2 CIRCULAR 12 IN 715-05151	432.0000	LFT	@ \$ 40.15 = \$	17,344.80	N	S
0067	0001	PIPE TYPE 2 CIRCULAR 15 IN 715-05152	463.0000	LFT	@ \$ 58.12 = \$	26,909.56	N	S
0068	0001	PIPE TYPE 2 CIRCULAR 18 IN 715-05153	175.0000	LFT	@ \$ 62.60 = \$	10,955.00	N	S
0069	0001	PIPE TYPE 2 CIRCULAR 21 IN 715-05154	180.0000	LFT	@ \$ 68.14 = \$	12,265.20	N	S
0070	0001	PIPE TYPE 2 CIRCULAR 24 IN 715-06050	2.0000	EACH	@ \$ 966.67 = \$	1,933.34	N	U
0071	0001	CAP 715-08305	333.0000	TON	@ \$ 115.83 = \$	38,571.39	N	S
		HMA FOR STRUCTURE INSTALLATION TYPE B						

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LINE	CAT	ITEM	DESCRIPTION	QTY	UNIT	PRICE	AMOUNT	OBS	REC/STD/UNIQUE
0072	0001	715-09064	VIDEO INSPECTION FOR PIPE	2,419.0000	LFT @	\$ 1.43 =	\$ 3,459.17	N	S
0073	0001	715-09883	VALVE WITH BOX 6 IN	4.0000	EACH @	\$ 3,216.93 =	\$ 12,867.72	N	U
0074	0001	715-11896	WATER SERVICE CONNECTION 3 IN	6.0000	EACH @	\$ 2,413.52 =	\$ 14,481.12	N	U
0075	0001	715-46020	PIPE END SECTION DIA 24 IN	1.0000	EACH @	\$ 1,510.65 =	\$ 1,510.65	N	S
0076	0001	715-94530	ADJUST WATER VALVE TO GRADE	5.0000	EACH @	\$ 425.00 =	\$ 2,125.00	N	U
0077	0001	715-94780	WATER MAIN DUCTILE IRON 6 IN	550.0000	LFT @	\$ 119.75 =	\$ 65,862.50	N	U
0078	0001	718-04986	CLEANOUT	4.0000	EACH @	\$ 564.01 =	\$ 2,256.04	N	U
0079	0001	720-11486	MANHOLE E7 MODIFIED	1.0000	EACH @	\$ 1,907.12 =	\$ 1,907.12	N	S
0080	0001	720-44000	CASTING ADJUST TO GRADE MANHOLE	10.0000	EACH @	\$ 687.61 =	\$ 6,876.10	N	S , MANHOLE, INLET OR CATCH BASIN
0081	0001	720-45410	MANHOLE C4	5.0000	EACH @	\$ 3,083.50 =	\$ 15,417.50	N	S
0082	0001	720-90349	MANHOLE C8	1.0000	EACH @	\$ 3,866.67 =	\$ 3,866.67	N	S
0083	0001	720-90984	MANHOLE C2	2.0000	EACH @	\$ 2,400.00 =	\$ 4,800.00	N	S
0084	0001	720-96999	FIRE HYDRANT ASSEMBLY	2.0000	EACH @	\$ 5,420.82 =	\$ 10,841.64	N	U
0085	0001	720-98174	INLET B15	13.0000	EACH @	\$ 2,347.29 =	\$ 30,514.77	N	S
0086	0001	720-98555	INLET C15	17.0000	EACH @	\$ 2,799.95 =	\$ 47,599.15	N	S
0087	0001	801-01504	TEMPORARY PVMT MSG MKG LANE IND ARROW	20.0000	EACH @	\$ 66.00 =	\$ 1,320.00	N	S
0088	0001	801-06203	TEMPORARY PVMT MARKING 4 IN	4,914.0000	LFT @	\$ 0.66 =	\$ 3,243.24	N	S
0089	0001	801-06207		14,816.0000	LFT @	\$ 1.01 =	\$ 14,964.16	N	S

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LINE CAT	ITEM	DESCRIPTION	QTY	UNIT	PRICE	AMOUNT	OBS	REC/STD/UNIQUE
0090	0001	TEMPORARY PVMT MARKING REMOVABLE 4 IN	10.0000	EACH	@ \$ 76.40 =	\$ 764.00	N	S
0091	0001	TEMP PVMT MSG MKG REMOVABLE LANE ARROW	169.0000	LFT	@ \$ 7.21 =	\$ 1,218.49	N	S
0092	0001	TEMPORARY PVMT MKG REMOVABLE 24 IN	2,044.0000	LFT	@ \$ 0.25 =	\$ 511.00	N	S
0093	0001	TEMPORARY PVMT MARKING 8 IN	20.0000	EACH	@ \$ 145.43 =	\$ 2,908.60	N	S 801-R-542
0094	0001	CONSTRUCTION SIGN A	1.0000	LS	@ \$ 90,000.00 =	\$ 90,000.00	N	S 801-C-157
0095	0001	MAINTAINING TRAFFIC	2.0000	EACH	@ \$ 4,702.50 =	\$ 9,405.00	N	S
0096	0001	PORTABLE CHANGEABLE MESSAGE SIGN	255.0000	LFT	@ \$ 2.55 =	\$ 650.25	N	S
0097	0001	TEMPORARY PVMT MARKING 12 IN	53.0000	LFT	@ \$ 12.00 =	\$ 636.00	N	S
0098	0001	SIGN POST SQ 1 REINFORCED ANCHOR BASE	21.0000	LFT	@ \$ 16.20 =	\$ 340.20	N	S
0099	0001	SIGN POST SQ 2 REINFORCED ANCHOR BASE	108.0000	SFT	@ \$ 14.00 =	\$ 1,512.00	N	S
0100	0001	SIGN SHEET WITH LEGEND 0.080 IN	4.0000	EACH	@ \$ 370.00 =	\$ 1,480.00	N	U
0101	0001	STREET NAME IDENTIFICATION SIGN	2.0000	EACH	@ \$ 2,163.06 =	\$ 4,326.12	N	S 202-T-161
0102	0001	TRAFFIC SIGNAL EQUIPMENT REMOVE	4.0000	EACH	@ \$ 2,977.50 =	\$ 11,910.00	N	S 100-C-166 PERMANENT SIGNAL INSTALLATION
0103	0001	SIGNAL POLE FNDN 36 IN X 144 IN	10.0000	EACH	@ \$ 1,345.06 =	\$ 13,450.60	N	S 100-C-166 PERMANENT SIGNAL INSTALLATION
0104	0001	HANDHOLE SIGNAL TYPE 1	4.0000	EACH	@ \$ 729.68 =	\$ 2,918.72	N	S 100-C-166 PERMANENT

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LINE CAT	ITEM	DESCRIPTION	QTY	UNIT	PRICE	AMOUNT	OBS	REC/STD/UNIQUE
								SIGNAL INSTALLATION
0105	0001	PEDESTRIAN SIGNAL HEAD COUNTDOWN 18 IN 805-02445	1.0000	EACH @	\$ 20,955.90 =	\$ 20,955.90	N	S 100-C-166 PERMANENT SIGNAL INSTALLATION
0106	0001	CONTROLLER AND CABINET P1 805-02645	4.0000	EACH @	\$ 1,138.44 =	\$ 4,553.76	N	S SIGNAL PEDESTAL FOUNDATION, A
		SIGNAL POLE FNDN 24 IN X 24 IN X 36 IN.						
0107	0001	805-04133	2.0000	EACH @	\$ 1,200.00 =	\$ 2,400.00	N	S
		SIGNAL POLE PEDESTAL 12 FT						
0108	0001	805-05405	2.0000	EACH @	\$ 770.00 =	\$ 1,540.00	N	S
		SIGNAL POLE PEDESTAL 4 FT						
0109	0001	805-06595	631.0000	LFT @	\$ 15.09 =	\$ 9,521.79	N	S
		CONDUIT PVC 2 IN						
0110	0001	805-11815	1,558.0000	LFT @	\$ 13.19 =	\$ 20,550.02	N	S
		CONDUIT HDPE 2 IN SCHEDULE 80						
0111	0001	805-11817	4.0000	EACH @	\$ 943.57 =	\$ 3,774.28	N	S 805-T-202
		PEDESTRIAN PUSH BUTTON APS						
0112	0001	805-78205	8.0000	EACH @	\$ 733.62 =	\$ 5,868.96	N	S 100-C-166
		TRAFFIC SIGNAL HEAD 3 SECTION 12 IN						
0113	0001	805-78225	4.0000	EACH @	\$ 1,075.05 =	\$ 4,300.20	N	S 100-C-166
		TRAFFIC SIGNAL HEAD 4 SECTION 12 IN						
0114	0001	805-78415	4.0000	EACH @	\$ 3,059.33 =	\$ 12,237.32	N	S
		SPAN CATENARY AND TETHER						
0115	0001	805-78420	4.0000	EACH @	\$ 328.94 =	\$ 1,315.76	N	S
		DISCONNECT HANGER						
0116	0001	805-78445	1.0000	EACH @	\$ 1,003.30 =	\$ 1,003.30	N	S
		SIGNAL SERVICE						
0117	0001	805-78467	16.0000	LFT @	\$ 4.70 =	\$ 75.20	N	S
		SIGNAL CABLE SERVICE COPPER 3C/8GA						
0118	0001	805-78470	4,328.0000	LFT @	\$ 0.55 =	\$ 2,380.40	N	S
		SIGNAL CABLE ROADWAY LOOP COPPER						

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0119	0001	1C/14GA 805-78485	SIGNAL CABLE CONTROL COPPER 5C/14GA	2,300.0000	LFT @	\$ 2.50 =	\$ 5,750.00	N	S
0120	0001	805-78490	SIGNAL CABLE CONTROL COPPER 7C/14GA	966.0000	LFT @	\$ 2.16 =	\$ 2,086.56	N	S
0121	0001	805-78510	SIGNAL CABLE DETECTOR LEAD-IN CU 2C/16GA	5,201.0000	LFT @	\$ 1.25 =	\$ 6,501.25	N	S
0122	0001	805-78785	SIGNAL DETECTOR HOUSING	12.0000	EACH @	\$ 1,000.00 =	\$ 12,000.00	N	S
0123	0001	805-78795	SAW CUT FOR ROADWAY LOOP AND SEALANT	1,468.0000	LFT @	\$ 9.00 =	\$ 13,212.00	N	S
0124	0001	805-78925	CONTROLLER CABINET FNDN P1	1.0000	EACH @	\$ 1,112.05 =	\$ 1,112.05	N	S
0125	0001	805-81060	SIGNAL POLE STEEL STRAIN 36 FT	4.0000	EACH @	\$ 7,210.50 =	\$ 28,842.00	N	S
0126	0001	807-02780	LUMINAIRE MAST ARM 8 FT	2.0000	EACH @	\$ 410.00 =	\$ 820.00	N	U
0127	0001	807-04428	CABLE DUCT	171.0000	LFT @	\$ 10.00 =	\$ 1,710.00	N	M
0128	0001	807-86810	SERVICE POINT II	1.0000	EACH @	\$ 6,540.00 =	\$ 6,540.00	N	S
0129	0001	807-95889	WIRE NO 10 CU 1/C	171.0000	LFT @	\$ 1.00 =	\$ 171.00	N	S
0130	0001	808-01428	TEMPORARY TRANSV MKG WHITE STOP 24 IN	150.0000	LFT @	\$ 4.00 =	\$ 600.00	N	U
0131	0001	808-05866	PAVEMENT MESSAGE MARKING REMOVE	16.0000	SYS @	\$ 22.49 =	\$ 359.84	N	S
0132	0001	808-05929	TRANSVERSE MKG THERMO CROSSWALK 8 IN	453.0000	LFT @	\$ 2.29 =	\$ 1,037.37	N	S
0133	0001	808-06368	TRANSVERSE MARKING REMOVE	204.0000	LFT @	\$ 2.60 =	\$ 530.40	N	S
0134	0001	808-06703	LINE THERMOPLASTIC SOLID WHITE 4 IN	2,700.0000	LFT @	\$ 0.74 =	\$ 1,998.00	N	S
0135	0001	808-06716	LINE REMOVE	4,978.0000	LFT @	\$ 0.68 =	\$ 3,385.04	N	S
0136	0001	808-12032		7,363.0000	LFT @	\$ 0.25 =	\$ 1,840.75	N	S

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		GROOVING FOR PAVEMENT MARKINGS						
0137	0001	808-75245	2,214.0000	LFT @	\$ 1.22 =	\$ 2,701.08	N	S
		LINE THERMOPLASTIC SOLID YELLOW 4 IN						
0138	0001	808-75278	255.0000	LFT @	\$ 2.55 =	\$ 650.25	N	S
		TRANSVERSE MKG THERMO XHATCH YELLOW 12IN						
0139	0001	808-75297	150.0000	LFT @	\$ 5.74 =	\$ 861.00	N	S
		TRANSVERSE MKG THERMO STOP WHITE 24IN						
0140	0001	808-75320	20.0000	EACH @	\$ 88.05 =	\$ 1,761.00	N	S
		PAVEMENT MSG MKG THERMO LANE IND ARROW						
0141	0001	808-75996	58.0000	EACH @	\$ 19.25 =	\$ 1,116.50	N	S
		SNOWFLOWABLE RAISED PVMT MARKER REMOVE						
0142	0001	808-75998	76.0000	EACH @	\$ 48.72 =	\$ 3,702.72	N	S
		SNOWFLOWABLE RAISED PAVEMENT MARKER						
0143	0001	808-92027	1,591.0000	LFT @	\$ 0.71 =	\$ 1,129.61	N	S
		LINE THERMOPLASTIC SOLID YELLOW 8 IN						

ESTIMATE ITEM TOTAL = \$ 2,101,745.37
 INFLATED ESTIMATE TOTAL = \$ 2,101,745.38
 CONTINGENCY (0.00%) = \$ 0.00
 TOTAL ESTIMATE = \$ 2,101,745.38

NOTE: The estimate item total includes all alternate items. The other estimate totals include only low cost alternate items.