



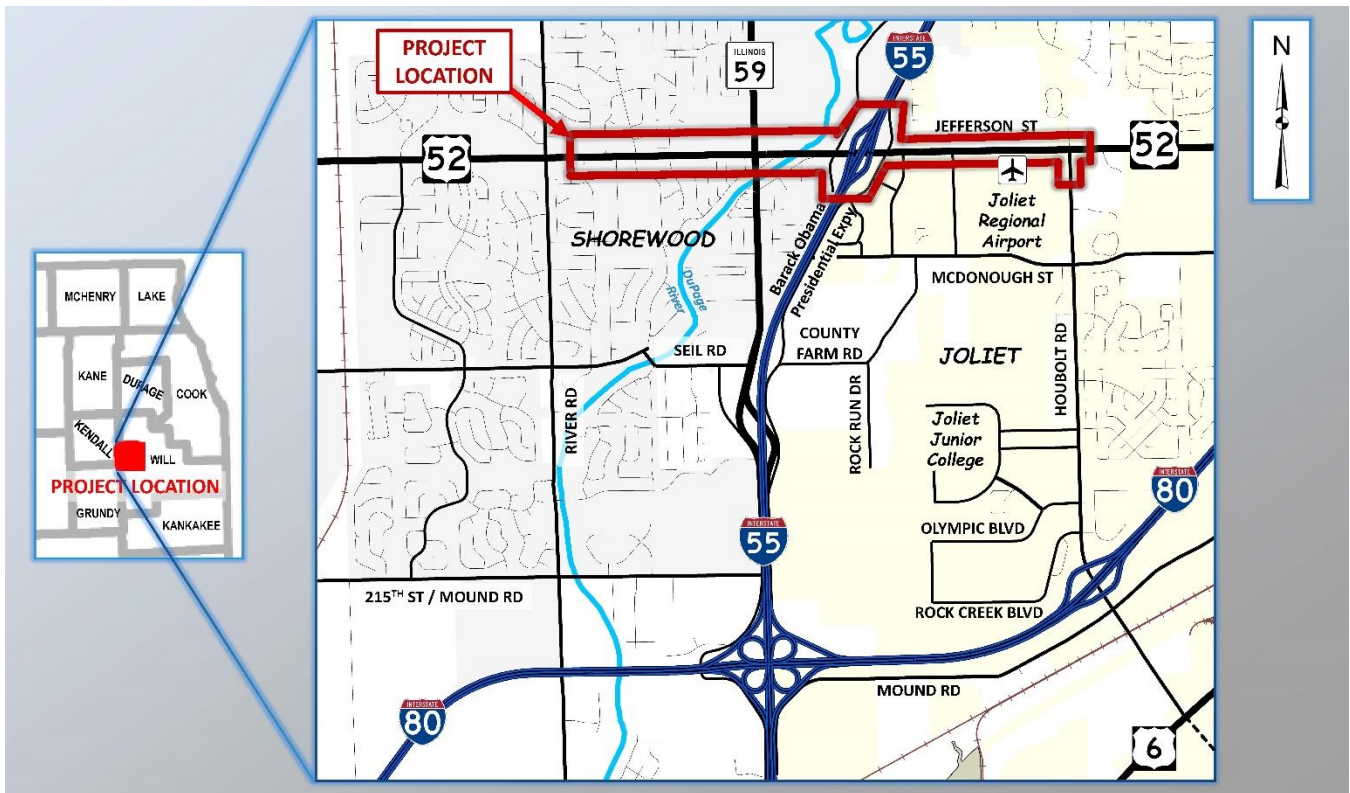
# I-55 at IL 59 Access Project

## Phase I Lighting and ITS Assessment Report

US 52 (Jefferson Street) from River Road to Houbolt Road

August 2024

FAP 607, Will County  
Village of Shorewood and City of Joliet  
Job No. P-91-019-19



Prepared for:



Illinois Department  
of Transportation

Prepared by:

**KNIGHT**

Member of WSP

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## Exhibits

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## 1. Introduction

The purpose of this memorandum is to provide an assessment of the existing street lighting systems at the Interstate 55 (I-55) and US 52 (Jefferson Street) service interchange and adjoining limits of the preliminary engineering and environmental study for US 52 from River Road to Houbolt Road. This assessment details the existing and proposed locations, type, and condition of the lighting equipment in use and whether it meets current IDOT District One lighting requirements. This assessment also addresses the planned lighting improvements where geometric improvements are proposed. A planning level estimate of construction costs is also included with this assessment.

The project limits for this study include US 52 from River Road on the west to Houbolt Road on the east. The study area encompasses the existing diamond interchange at I-55 and US 52. The project is located in Will County, with the western half contained within the Village of Shorewood and the eastern half contained within the City of Joliet. **Figure 1.1** below shows the project study area.

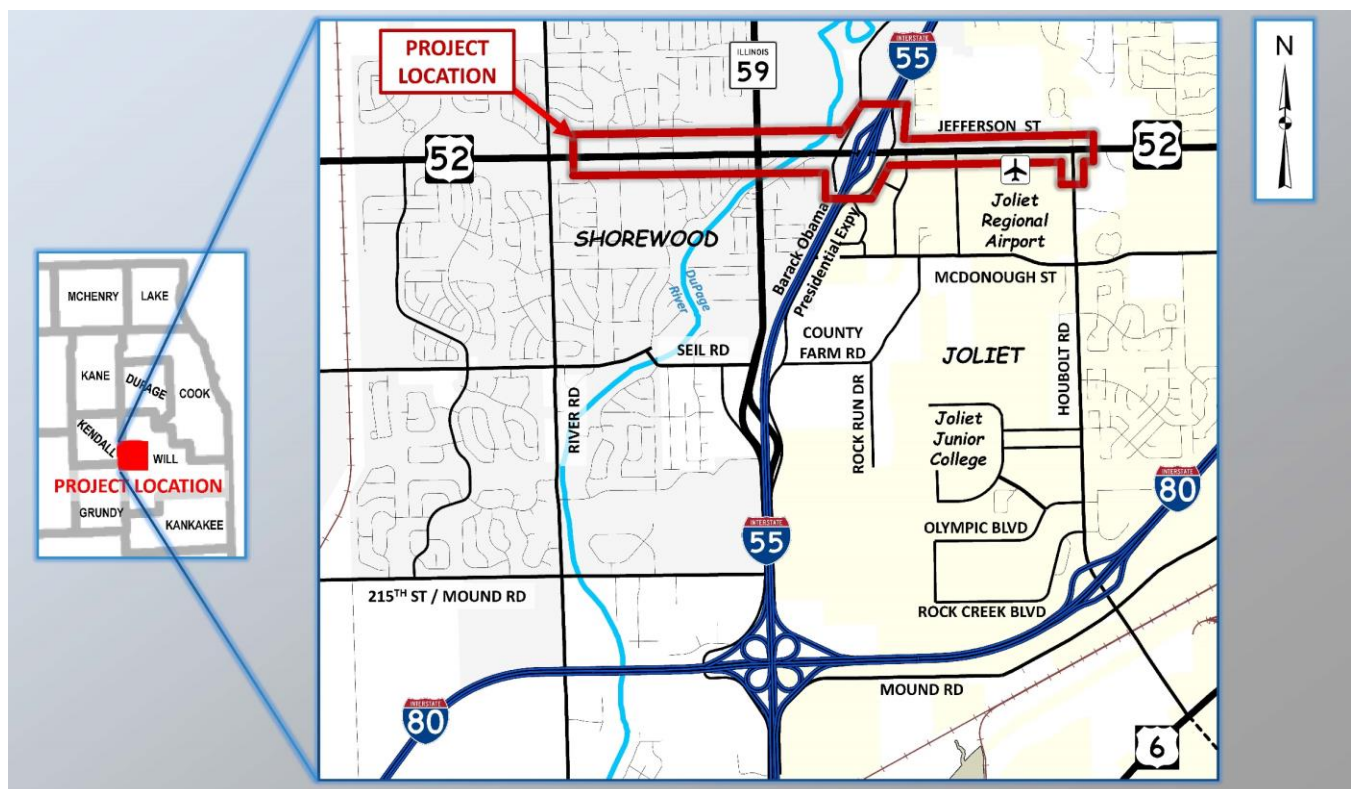


Figure 1.1 Project Location Map and Study Area

## 2. Description of Assessment Location

The US 52 project study is located within the City of Joliet and Village of Shorewood, in Will County. The limits of the US 52 proposed improvements are from River Road on the west to Houbolt Road on the east. The roadways have the following characteristics with lighting parameters summarized in **Table 2.1**:

- **Interstate 55 (I-55)** is an access-controlled, north-south expressway with a six-lane section carrying an ADT of nearly 63,000 vehicles per day (vpd). There is a full service diamond interchange with US 52 (Jefferson Street) located in the Village of Shorewood. The interchange has roadway lighting.
- **US 52 (Jefferson Street)** is a heavily traveled four-lane facility east of IL 59 and generally 3-lane facility west of IL 59. It carries an existing ADT varying from 24,200-33,300 vehicles per day within the

study area. The route is classified as Other Principal Arterial and is generally undivided with left turn lanes provided only at major intersections east of IL 59. US 52 (Jefferson Street) is under the jurisdiction of IDOT.

- **IL 59** is a five-lane suburban section (two through lanes in each direction and a left turn lane). The route is classified as Other Principal Arterial and carries an existing ADT from 22,800 to 33,500 vpd. A barrier median is provided in the newly constructed area south of US 52. IL 59 is designated as a strategic regional arterial (SRA) Route in northeastern Illinois. The strategic regional arterial (SRA) system is intended to carry larger volumes of traffic at higher speeds as a complement to the region's expressway system. IL 59 is under the jurisdiction of IDOT. The intersection of US 52 (Jefferson Street) and IL 59 is signalized and there is no consistent roadway lighting present.
- **Houbolt Road** runs north-south and ends at US 52 to the north. The roadway has an ADT varying from 11,300 to 22,600 vpd and is generally a five-lane urban section (two through lanes in each direction and a left turn lane) and is classified as a minor arterial. A raised, barrier median is provided within the portion included in the study area. Houbolt Road provides the primary vehicular access to the Joliet Junior College campus. Houbolt Road is under the jurisdiction of the City of Joliet. The intersection of US 52 (Jefferson Street) and Houbolt Road is signalized. There is existing roadway lighting on Houbolt Road south of US 52, but stops short of the signalized intersection with US 52.
- **River Road** is a two-lane, north-south roadway located on the west side of the study area. The existing ADT ranges between 3,000 to 9,400 vpd. River Road is classified as a major collector and primarily provides access to residential subdivisions in the Village of Shorewood. The intersection of US 52 (Jefferson Street) and River Road was reconstructed in 2019 via village permit. The intersection of US 52 (Jefferson Street) and River Road is signalized and there is existing roadway lighting on River Road. Lighting is present at the signalized intersection and along US 52 near this intersection.
- **Brookshore Drive** is a two-lane, north-south roadway with an ADT of approximately 1,050 vpd. It provides access to residential subdivisions and shopping centers located in the Village of Shorewood. Brookshore Drive is under Village jurisdiction and is classified as a minor collector north of US 52 and a local street south of US 52. The intersection of US 52 (Jefferson Street) and Brookshore Drive is signalized and has intersection lighting present.
- **The I-55 East Frontage Road** is a two-lane roadway that parallels the east side of I-55 and carries an ADT of 2,100 vpd. The roadway is classified as a local street and is under the IDOT jurisdiction for the portion located within the study area. The intersection of US 52 (Jefferson Street) and I-55 East Frontage Road is signalized and has roadway lighting present due to its proximity to the I-55 / US 52 interchange.

**Table 2.1 Roadway Lighting Parameters**

Roadway	Roadway Classification	Pedestrian Conflict Classification	Posted Speed
Interstate 55	FREEWAY CLASS A	N/A	65mph
US 52 (Jefferson Street)	MAJOR	MEDIUM	35mph-45mph
IL 59	MAJOR	MEDIUM	40mph
Houbolt Road	MAJOR	MEDIUM	45mph
River Road	MAJOR	LOW	40mph
Brookshore Drive	LOCAL	LOW	25mph
I-55 E Frontage Road	COLLECTOR	LOW	40mph

### 3. Maintenance and Ownership

The project study along US 52 (Jefferson Street) from River Road to Houbolt Road primarily includes four existing lighting systems. The four systems are as follows. Please see **Exhibit A** attached that shows the existing lighting systems and their locations.

1. I-55 and US 52 Interchange Lighting – This system includes US 52, the four interstate ramps, and the I-55 mainline freeway. This system is owned and maintained by IDOT. There are no combination lighting fixtures present at the three signalized intersection contained within the interchange lighting area. The intersections are lit as part of the interchange lighting system.
2. US 52 and River Road Lighting – This system included a portion of US 52 east and west of River Road. This system is owned and maintained by the Village of Shorewood. The light poles and luminaire arms are of an ornamental type and are all painted black. There are also pedestrian lighting fixtures included along the existing shared-use path. There are combination lighting fixtures present on the traffic signal poles at US 52 and River Road.
3. US 52 and Brookshore Drive Lighting – This system includes a portion of US 52 east and west of the intersection. This system is owned and maintained by the Village of Shorewood. There is no combination lighting present at the signalized intersection. This system utilizes standard light poles and truss-type luminaire mast arms.
4. Houbolt Road Lighting – This system includes Houbolt Road south of US 52. The system terminates just prior to the intersection with US 52 and there is no combination lighting present at the signalized intersection. This system is owned and maintained by the City of Joliet. This system utilizes standard light poles and truss-type luminaire mast arms. There is also existing lighting on Houbolt Road north of US 52 owned and operated by the City of Joliet. These poles are located beyond the proposed improvements and are of a residential type that are part of a different system than the south side of US 52. The north system is unaffected by the proposed improvements and will remain in place.

The corridor contains seven existing signalized intersections all owned and maintained by IDOT. A summary of the signalized intersections and their parameters are included in **Table 3.1**.

**Table 3.1 Signalized Intersection Jurisdiction and Parameters**

Signalized Intersection	Ownership	Maintenance	Cross Street Jurisdiction	Combination Lighting Present?
US 52 and River Road	IDOT	IDOT	Village of Shorewood	Yes (Ornamental)
US 52 and Brookshore Drive	IDOT	IDOT	Village of Shorewood	No
US 52 and IL 59	IDOT	IDOT	IDOT	No
US 52 and I-55 South Ramps	IDOT	IDOT	IDOT	No
US 52 and I-55 North Ramps	IDOT	IDOT	IDOT	No
US 52 and I-55 East Frontage Rd	IDOT	IDOT	IDOT	No
US 52 and Houbolt Road	IDOT	IDOT	City of Joliet	No

## 4. Roadway Lighting

### 4.1 Existing Lighting Equipment

#### 1. US 52 (Jefferson Street) and I-55 Interchange Lighting

Lighting within the I-55 / US 52 interchange recently was retrofitted from high pressure sodium luminaires to LED luminaires under Contract 62H16 in 2023. The system also includes the underpass lighting on the US 52 bridge over I-55. The interchange is lit by conventional lighting units comprised of 47.5' mounting height, brushed aluminum poles on frangible bases with 15' mast arms and 310W LED equivalent full cutoff luminaires in an opposite layout. There is no continuous lighting to the west or east of the interchange. Lighting controller "N" is located in the southwest infield quadrant of the interchange of the ramp terminals with US 52. The controller energizes all lighting fixtures within the I-55 and US 52 interchange.

#### 2. US 52 (Jefferson Street) – From River Road to west of Brookshore Drive

River Road and its intersection with US 52 is an independent system that is powered by two lighting controllers. One is located on the west side of River Road south of US 52. The second controller is located on the north parkway of US 52 at Earl Drive. The lighting system is composed of 219W LED luminaires and 35W LED pedestrian luminaires. The roadway luminaires are mounted 40 feet above the roadway on decorative steel poles while the pedestrian luminaires are mounted on decorative, ornamental black steel 18' poles. The pole layout is one side (south side east of River Road and north side west of River Road). In some cases the pedestrian luminaires are "piggy backed" to the ornamental roadway light pole. The ornamental lighting terminates at 400 feet east of Raven Road or 500 feet west of Brookshore Drive. Note that the signalized intersection at River Road and US 52 has combination lighting with a total of 6 luminaires, which are powered by the IDOT owned and maintained traffic signal controller cabinet.

### 3. US 52 (Jefferson Street) at Brookshore Drive

The intersection of US 52 and Brookshore Drive is an independent system that is powered by a metered, pedestal-mounted lighting controller located on the southwest corner of the intersection. The intersection is lit by 8 conventional lighting units comprised of 47.5' mounting height, brushed aluminum poles on frangible bases with 15' mast arms and 310W HPS full cutoff luminaires in a one side layout. The poles west of Brookshore Drive are located on the south side of US 52 while the poles located east of Brookshore Drive are on the north side. There is no continuous lighting east of the intersection. The US 52 at River Road system begins where the Brookshore Drive system ends west of the intersection. The signalized intersection at River Road and US 52 has no combination lighting.

### 4. Houbolt Road Lighting

On Houbolt Road just south of US 52, there is an existing lighting system owned and operated by the City of Joliet that was installed in 1999. The lighting system is independent and is powered by a metered lighting controller cabinet located on the northeast corner of Houbolt Road and McDonough Street.

The portion of the system located between McDonough Street and US 52 is composed of 28 conventional lighting units comprised of 35' (18 units) and 15' (10 units) mounting heights on brushed aluminum poles and frangible bases with 15' mast arms. Due to the Joliet Regional Airport, shorter poles are required near the McDonough Street / Houbolt Road intersection. The unit luminaires are 310W HPS and 150W HPS full cutoff luminaires for the tall and shorter poles, respectively. The signalized intersection at US 52 and Houbolt Road has no combination lighting.

The system north of US 52 is unaffected by the proposed improvements and will remain in place.

Please refer to **Exhibit A** that shows the existing lighting systems and their locations. **Exhibit C** shows photos of the typical existing lighting equipment for each of the above systems.

Note that continuous lighting is absent along US 52 (Jefferson Street) within the project limits at the following locations:

- From 400 feet east of Brookshore Drive to the I-55 west Frontage Road
- From 100 feet east of the I-55 East Frontage Road to Houbolt Road (project limit)

Based on visual inspection of the lighting system, the above listed systems appear to be in fair to good condition and generally meet IDOT District One lighting guidelines for the existing roadway cross-section. Many of the systems will not provide the required photometrics for the proposed roadway cross-section.

## 4.2 Upgrades Required for Compliance with IDOT District One Standards

### 1. US 52 (Jefferson Street) and I-55 Interchange Lighting

The proposed improvements at the I-55 interchange include some additional turn lanes with additional storage along US 52. Ramp work is minor with some widening to increase storage lengths. Therefore, roadway lighting within the existing interchange configuration is anticipated to meet IDOT District One Guidelines. The interchange lighting was recently upgraded to LED luminaires in 2023. It is recommended that photometric analysis along US 52 be completed in Phase II to determine if additional lighting units are required to accommodate the slightly wider roadway width and the proposed shared-use path.

The existing lighting controller is in conflict with the proposed bridge and will need to either be relocated or replaced.

## **2. US 52 (Jefferson Street) – From River Road to west of Brookshore Drive**

The proposed improvements of this portion of the corridor include reconstruction and widening of US 52 (Jefferson Street) from a three-lane cross-section to a five-lane cross-section. Pedestrian accommodations are proposed with a shared-use path on the south side of US 52 and a five-foot wide sidewalk on the north side. In order to bring the intersection lighting into compliance, the following changes to the existing lighting system are recommended:

- Additional lighting is needed within this portion due to the increased roadway width. It is recommended that lighting fixtures be installed on both sides of the roadway in an opposite layout to meet lighting level standards. Actual lighting layouts require verification with photometric design calculations in Phase II design stage.
- The Village of Shorewood has requested that the ornamental, decorative lighting be installed for the proposed improvements.
- Due to the overhead electric utility lines along the north side of US 52, electric utility relocations are likely required to accommodate the proposed improvements.
- The portion of the existing, ornamental, decorative lighting system near River Road may remain in place as US 52 is already a five-lane cross-section through the signalized intersection with River Road and this portion likely adheres to the proper lighting levels. This should be confirmed in Phase II when a photometric analysis is completed.

## **3. US 52 (Jefferson Street) at Brookshore Drive**

The proposed improvements of this portion of the corridor include reconstruction and widening of US 52 (Jefferson Street) from a three-lane cross-section to a five-lane cross-section. Pedestrian accommodations are proposed with a shared-use path on the south side of US 52 and a five-foot wide sidewalk on the north side. In order to bring the intersection lighting into compliance, the following changes to the existing lighting system are recommended:

- The existing lighting at Brookshore Drive will be removed and replaced with ornamental, decorative lighting fixtures as desired by the Village of Shorewood.
- Additional lighting fixtures will be required at Brookshore Drive due to the increased roadway width and lower luminaire height for the decorative poles. It is recommended that lighting fixtures be installed on both sides of the roadway in an opposite layout to meet lighting level standards. Actual lighting layouts require verification with photometric design calculations in Phase II design stage.
- Due to the overhead electric utility lines along the north side of US 52, electric utility relocations are likely required to accommodate the proposed improvements.
- It is recommended that combination traffic signal / lighting poles be provided at Brookshore Drive and that intersection lighting levels are compliant with ANSI / IES RP-8-22 *Design Of Roadway Facility Lighting*.

## **4. Houbolt Road Lighting (south of US 52)**

The proposed improvements include a portion of Houbolt Road to reconstruct the US 52 / Houbolt Road intersection to provide additional turn lanes on US 52 and Houbolt Road. Houbolt Road as well as the existing lighting system is owned and maintained by the City of Joliet. The existing lighting units are located primarily south of the proposed improvement limits. Lighting levels on Houbolt Road are compliant with City standards; however, some poles will require relocation or replacement in order to accommodate the proposed turn lanes on Houbolt Road. The City of Joliet does not desire lighting at the intersection of US 52 / Houbolt Road and along the portion of US 52 located within the City of Joliet. The lighting units to the north of US 52 should not be impacted by the proposed improvements.



### 4.3 Proposed New Lighting

The Village of Shorewood has requested that new, ornamental / decorative roadway lighting be installed throughout the existing unlit portion of US 52 that is located within the Village limits. The anticipated limits of the new lighting would be from just east of Brookshore Drive to the I-55 West Frontage Road, where the existing interchange lighting exists.

### 4.4 Lighting Warrants

The *BDE Manual*, Chapter 56, Section 56-2.03(2) states that highway lighting should be considered along all major arterials located in urban areas.

The AASHTO *Roadway Lighting Design Guide* states that it is not practical to establish specific warrants for the installation of roadway lighting that satisfy all conditions along street and highways other than freeways. Generally, lighting may be considered for those locations where the relevant governmental agencies agree that lighting would contribute substantially to the safety, efficiency, and comfort of vehicular or pedestrian traffic.

### 4.5 Lighting Design Guidance

The following should be noted for the Phase II design process when designing the proposed lighting plans.

- IDOT District One Guidelines for Lighting Design, Section D.3 Roadway Lighting:
  - States that “Roadway lighting on arterial roads shall be either continuous lighting terminating at logical transitions or complete intersection lighting with transitions. Roadway lighting shall not be implemented in a manner that reduces safety due to eye adaptation difficulties.”
  - States that “Lighted segments generally must close unlighted gaps between adjacent lighted roadway segments unless those gaps exceed the adaptation distance as outlined in Table D.3.2. For US 52, this applies for a posted speed limit over 30 mph to 45 mph to a distance of 750 feet.
- IDOT District One Guidelines for Lighting Design, Section D.4(a) Omitting Transition Lighting:
  - This section indicates lighting for isolated intersections should include transition lighting, unless all the conditions for omitting transition lighting are met.
  - Transitional lighting will be required along IL 59 should proposed lighting be extended further east along US 52
- IDOT District One Guidelines for Lighting Design, Section D.4(a)(i) Design of Transition Lighting:
  - US 52 – 40 mph is 200 feet, 45 mph is 250 feet per Table D.4.1.
  - Brookshore Drive – 25 mph is 125 feet per Table D.4.1
  - IL 59 – 45 mph is 250 feet per Table D.4.1.
- Refer to ANSI / IES RP-8-22: Design of Roadway Facility Lighting for the required lighting levels for photometric design.
- IDOT District One Guidelines for Lighting Design, Section D.4(d) Intersection Combination Poles:
  - Use of combination traffic signal / lighting poles is encouraged if the system maintenance responsibilities are not divided.

A high-level conceptual layout is shown in **Exhibit B**. Lighting levels for intersection and approach lighting shall meet IES RP-8-22 recommendations in accordance with **Table 2.1**. Phase II designers are encouraged to confirm with their IDOT project manager the required lighting levels prior to beginning the photometric analysis and lighting report.

### 4.6 Temporary Lighting

Temporary construction lighting is required where existing lighting systems are present along US 52 and at the interchange of I-55 at US 52. A number of temporary lighting units approximately equal to the number of removal units will be required during construction with partial use of the existing lighting system in the interchange and along I-55. A temporary lighting control cabinet will be required at US 52 near Brookshore Drive. The portion of US 52 east of River Road and lighting near Brookshore Drive can be powered from one temporary controller. The I-55 and US 52 interchange will also require a temporary controller. The existing system along Houbolt Road appears to be minimally affected by construction activity and may continue to operate via the existing controller.

### 4.7 Estimate of Construction Cost

A high-level cost estimate was developed based on the upgrades and installations discussed to bring the lighting system into compliance with IDOT District One Guidelines. A breakdown of cost is shown in **Tables 4.1, 4.2, 4.3 and 4.4** below. Costs are summarized by the replacement of existing lighting systems, proposed lighting systems, and by jurisdiction. The costs are based on current prices and do not reflect a future year costs.

**Table 4.1 Cost Estimate (I-55 / US 52 Interchange) – Replace Existing Interchange Lighting – IDOT**

Item	Unit	Quantity	Unit Cost	Cost
Remove Existing Light Poles	EACH	29	\$1,000	\$29,000
New Standard Light Poles	EACH	33	\$4,000	\$132,000
Temporary Lighting	EACH	29	\$1,500	\$43,500
New Controllers	EACH	1	\$55,500	\$55,500
<b>Total</b>				<b>\$260,000</b>

**Table 4.2 Cost Estimate (River Road to Brookshore Drive) – Replace Existing Lighting – Shorewood**

Item	Unit	Quantity	Unit Cost	Cost
Remove Existing Light Poles	EACH	31	\$1,000	\$31,000
New Decorative Light Poles	EACH	34	\$6,000	\$204,000
Temporary Lighting	EACH	34	\$1,500	\$51,000
New Controllers	EACH	2	\$55,500	\$111,000
<b>Construction Total</b>				<b>\$397,000</b>
<b>15% Engineering Fee</b>				<b>\$59,550</b>
<b>Total</b>				<b>\$456,550</b>

**Table 4.3 Cost Estimate (Brookshore Dr to I-55 W Frontage Road) – Proposed Lighting – Shorewood**

Item	Unit	Quantity	Unit Cost	Cost
Remove Existing Light Poles	EACH	0	\$1,000	\$0
New Decorative Light Poles	EACH	56	\$6,000	\$336,000
Temporary Lighting	EACH	0	\$1,500	\$0
New Controllers	EACH	2	\$55,500	\$111,000
			<b>Construction Total</b>	<b>\$447,000</b>
			<b>15% Engineering Fee</b>	<b>\$67,100</b>
			<b>Total</b>	<b>\$514,100</b>

**Table 4.4 Cost Estimate (Houbolt Road) – Modify Existing Lighting – Joliet**

Item	Unit	Quantity	Unit Cost	Cost
Remove Existing Light Poles	EACH	4	\$1,000	\$4,000
New Standard Light Poles	EACH	4	\$4,000	\$16,000
Temporary Lighting	EACH	4	\$1,500	\$6,000
New Controllers	EACH	0	\$55,500	\$0
			<b>Construction Total</b>	<b>\$26,000</b>
			<b>15% Engineering Fee</b>	<b>\$3,900</b>
			<b>Total</b>	<b>\$29,900</b>

## 5. ITS Equipment

### 5.1 Existing IDOT ITS Equipment

ITS equipment in the assessment area consists of one CCTV dome camera attached to an 80-ft mounting height camera structure with lowering device located in the southwest quadrant infield of the I-55 and US 52 (Jefferson Street) Interchange. The ITS cabinet for the CCTV camera is located approximately 60 feet to the southwest of the camera pole. IDOT fiber optic cable (96 count) runs to the north and south of the interchange along the west side of I-55. No inductive loop installations for traffic monitoring exist within the interchange area. See **Exhibit C** for photos of the existing ITS equipment located at the interchange.

### 5.2 Temporary ITS Equipment Configuration

ITS equipment in the study area will require temporary aerial routing of fiber optic and electric power cables to ensure continuity of ITS communication and CCTV camera during construction. It is possible that proposed expansion of the bridge abutments and piers could be in conflict with the existing IDOT fiber optic backbone along I-55. A breakdown of cost is included in **Table 5.1** below. The costs are based on current prices and do not reflect future year costs.

**Table 5.1 Temporary ITS and Restoration of Existing ITS Systems - IDOT**

Item	Unit	Quantity	Unit Cost	Cost
Temporary Fiber Optic Cable	FOOT	10000	\$6	\$60,000
Temporary Wood Poles	EACH	10	\$1,300	\$13,000
Removal of Temporary Equipment	L SUM	1	\$35,000	\$35,000
Restoration of Existing ITS Equipment	L SUM	1	\$25,000	\$25,000
Maintenance of Temporary Fiber Optic Cable	CAL MO	24	\$1,250	\$30,000
			<b>Total</b>	<b>\$163,000</b>

## 6. Attachments

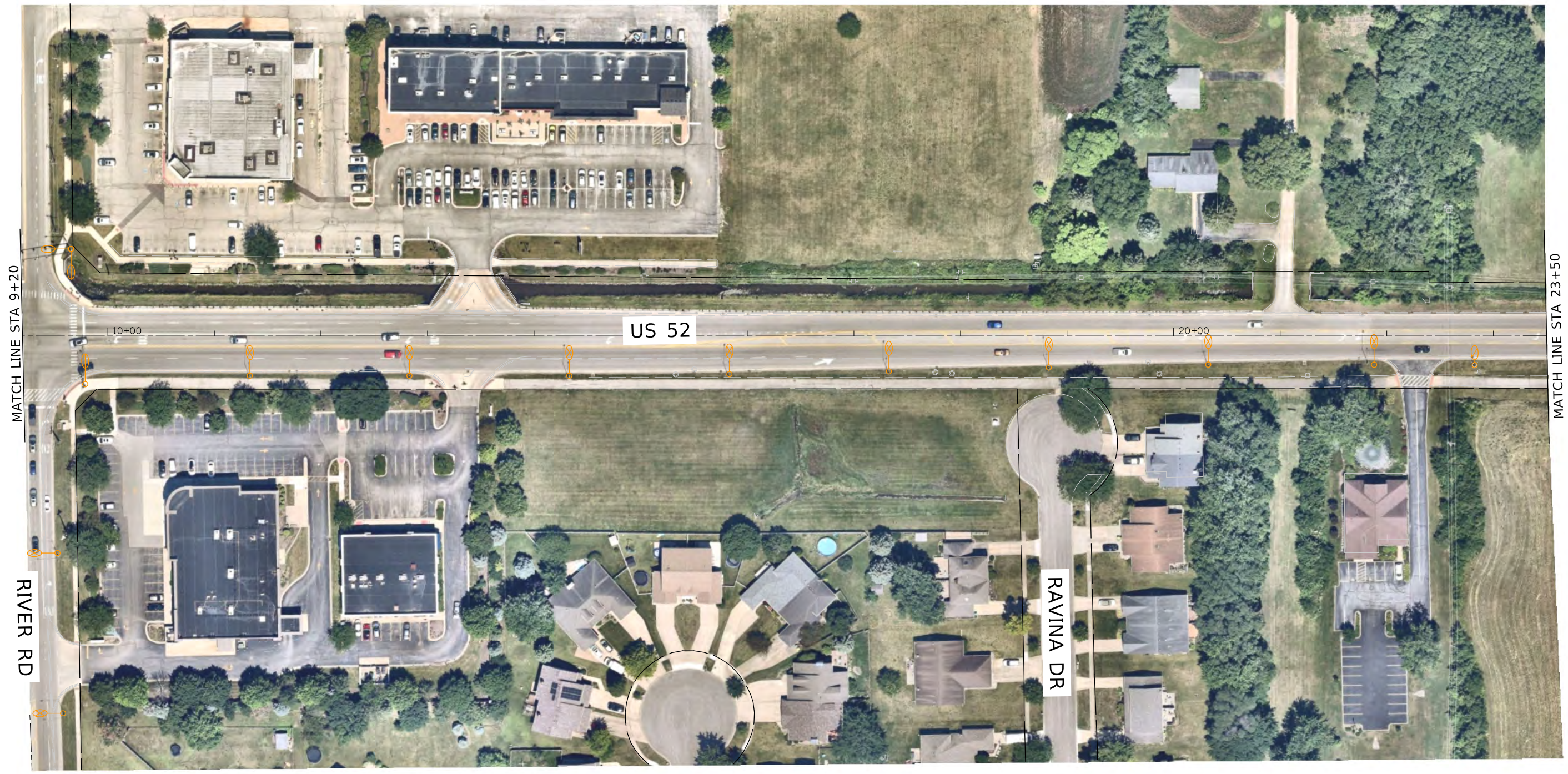
**Exhibit A – Existing Conditions Lighting Layout**

**Exhibit B - Proposed Improvements Lighting Layout**

**Exhibit C – Existing Lighting and ITS Equipment Photos**

**Exhibit A – Existing Conditions Lighting Layout**














MATCH LINE STA 9+20

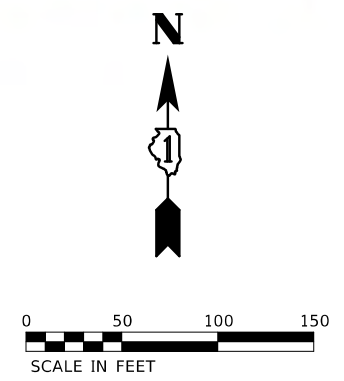
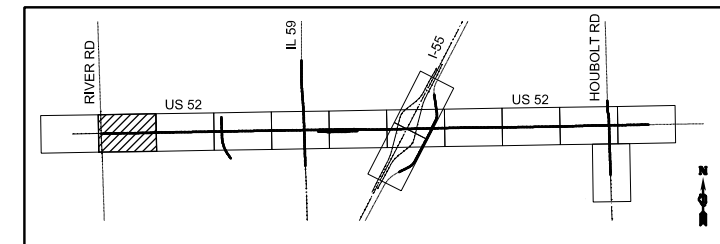
RIVER RD

US 52

RAVINA DR

MATCH LINE STA 23+50

- LEGEND**  
**EXISTING ITEMS**
-  STANDARD POLE AND LUMINAIRE - IDOT
  -  STANDARD POLE/LUMINAIRE - JOLIET
  -  TRAFFIC SIGNAL COMBINATION POLE LUMINAIRE - IDOT
  -  STANDARD POLE AND LUMINAIRE - VILLAGE OF SHOREWOOD
  -  DECORATIVE POLE AND LUMINAIRE - VILLAGE OF SHOREWOOD
  -  DECORATIVE POLE WITH ROADWAY AND PEDESTRIAN LUMINAIRES - SHOREWOOD
  -  DECORATIVE POLE AND PEDESTRIAN LUMINAIRE - SHOREWOOD
  -  BEACON LIGHT - COMED
  -  LIGHTING CONTROLLER



**PRELIMINARY**

USER NAME = USMM706094	DESIGNED - MDA	REVISED -
PLOT SCALE = 1:100	DRAWN - MDA	REVISED -
PLOT DATE = 8/6/2024	CHECKED - MJM	REVISED -
	DATE - 08/07/2024	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**US 52 (JEFFERSON STREET) FROM RIVER ROAD TO HOUBOLT ROAD  
EXISTING ROADWAY LIGHTING LAYOUT**

SCALE: AS SHOWN SHEET 2 OF 14 SHEETS STA. TO STA.

F.A.P. RTE. 607	SECTION	COUNTY WILL	TOTAL SHEETS 28	SHEET NO. 2
<b>EXHIBIT A</b>			P-91-019-19	
<small>ILLINOIS FED. AID PROJECT</small>				
















MATCH LINE STA 38+50

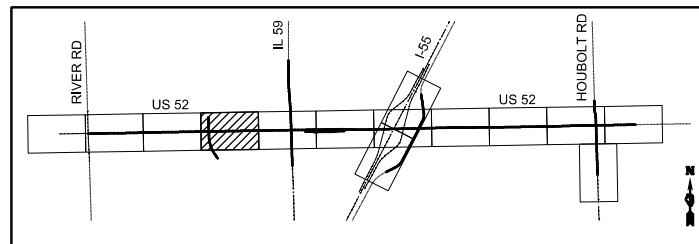
MATCH LINE STA 53+50

EXISTING PEDESTAL LIGHTING CONTROLLER  
(US 52 AT BROOKSHORE DR LIGHTING)

**LEGEND**

EXISTING ITEMS

-  STANDARD POLE AND LUMINAIRE - IDOT
-  STANDARD POLE/LUMINAIRE - JOLIET
-  TRAFFIC SIGNAL COMBINATION POLE LUMINAIRE - IDOT
-  STANDARD POLE AND LUMINAIRE - VILLAGE OF SHOREWOOD
-  DECORATIVE POLE AND LUMINAIRE - VILLAGE OF SHOREWOOD
-  DECORATIVE POLE WITH ROADWAY AND PEDESTRIAN LUMINAIRES - SHOREWOOD
-  DECORATIVE POLE AND PEDESTRIAN LUMINAIRE - SHOREWOOD
-  BEACON LIGHT - COMED
-  LIGHTING CONTROLLER



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	DATE - 08/07/2024	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**US 52 (JEFFERSON STREET) FROM RIVER ROAD TO HOUBOLT ROAD  
EXISTING ROADWAY LIGHTING LAYOUT**

SCALE: AS SHOWN SHEET 4 OF 14 SHEETS STA. TO STA.

F.A.P. RTE. 607	SECTION	COUNTY WILL	TOTAL SHEETS 28	SHEET NO. 4
EXHIBIT A				P-91-019-19
<small>ILLINOIS FED. AID PROJECT</small>				

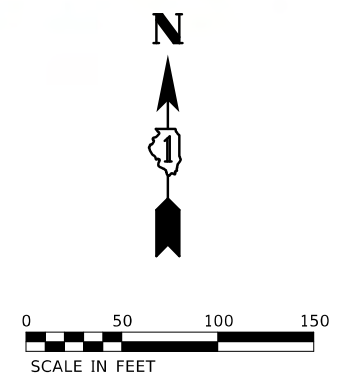
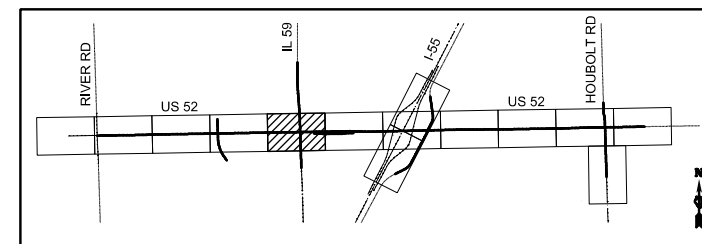


MATCH LINE STA 53+50

MATCH LINE STA 68+50

**LEGEND**

- EXISTING ITEMS
- STANDARD POLE AND LUMINAIRE - IDOT
  - STANDARD POLE/LUMINAIRE - JOLIET
  - TRAFFIC SIGNAL COMBINATION POLE LUMINAIRE - IDOT
  - STANDARD POLE AND LUMINAIRE - VILLAGE OF SHOREWOOD
  - DECORATIVE POLE AND LUMINAIRE - VILLAGE OF SHOREWOOD
  - DECORATIVE POLE WITH ROADWAY AND PEDESTRIAN LUMINAIRES - SHOREWOOD
  - DECORATIVE POLE AND PEDESTRIAN LUMINAIRE - SHOREWOOD
  - BEACON LIGHT - COMED
  - LIGHTING CONTROLLER



**PRELIMINARY**

USER NAME = USMM706094	DESIGNED - MDA	REVISED -
PLOT SCALE = 1:100	DRAWN - MDA	REVISED -
PLOT DATE = 8/6/2024	CHECKED - MJM	REVISED -
	DATE - 08/07/2024	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**US 52 (JEFFERSON STREET) FROM RIVER ROAD TO HOUBOLT ROAD  
EXISTING ROADWAY LIGHTING LAYOUT**

SCALE: AS SHOWN    SHEET 5 OF 14 SHEETS    STA. TO STA.

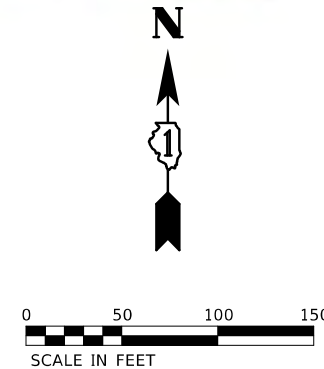
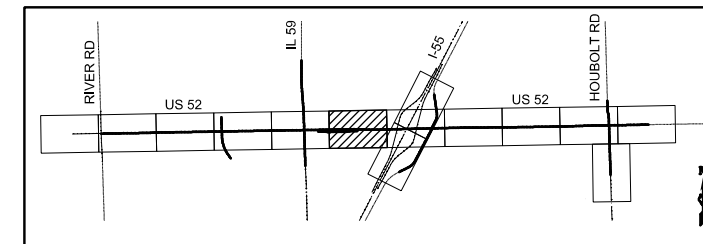
F.A.P. RTE. 607	SECTION	COUNTY WILL	TOTAL SHEETS 28	SHEET NO. 5
EXHIBIT A			P-91-019-19	
ILLINOIS FED. AID PROJECT				



**LEGEND**

EXISTING ITEMS

- STANDARD POLE AND LUMINAIRE - IDOT
- STANDARD POLE/LUMINAIRE - JOLIET
- TRAFFIC SIGNAL COMBINATION POLE LUMINAIRE - IDOT
- STANDARD POLE AND LUMINAIRE - VILLAGE OF SHOREWOOD
- DECORATIVE POLE AND LUMINAIRE - VILLAGE OF SHOREWOOD
- DECORATIVE POLE WITH ROADWAY AND PEDESTRIAN LUMINAIRES - SHOREWOOD
- DECORATIVE POLE AND PEDESTRIAN LUMINAIRE - SHOREWOOD
- BEACON LIGHT - COMED
- LIGHTING CONTROLLER



**PRELIMINARY**

USER NAME = USMM706094	DESIGNED - MDA	REVISED -
PLOT SCALE = 1:100	DRAWN - MDA	REVISED -
PLOT DATE = 8/6/2024	CHECKED - MJM	REVISED -
	DATE - 08/07/2024	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**US 52 (JEFFERSON STREET) FROM RIVER ROAD TO HOUBOLT ROAD  
EXISTING ROADWAY LIGHTING LAYOUT**

SCALE: AS SHOWN    SHEET 6 OF 14 SHEETS    STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
607		WILL	28	6
<b>EXHIBIT A</b>				P-91-019-19
ILLINOIS FED. AID PROJECT				











MATCH LINE STA 143+50

US 52

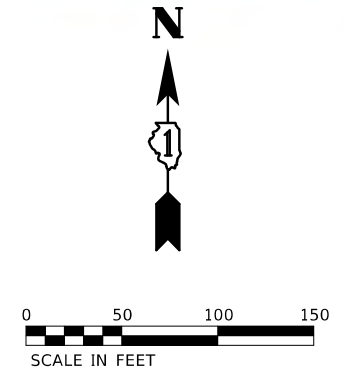
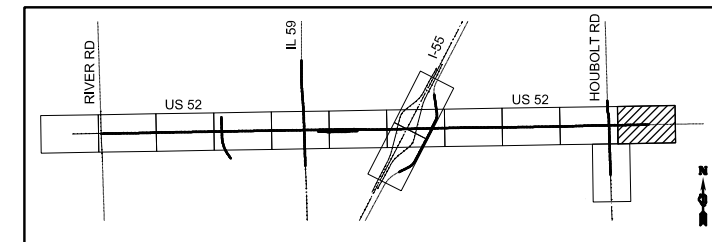
145+00

150+00

**LEGEND**

EXISTING ITEMS

- STANDARD POLE AND LUMINAIRE - IDOT
- STANDARD POLE/LUMINAIRE - JOLIET
- TRAFFIC SIGNAL COMBINATION POLE LUMINAIRE - IDOT
- STANDARD POLE AND LUMINAIRE - VILLAGE OF SHOREWOOD
- DECORATIVE POLE AND LUMINAIRE - VILLAGE OF SHOREWOOD
- DECORATIVE POLE WITH ROADWAY AND PEDESTRIAN LUMINAIRES - SHOREWOOD
- DECORATIVE POLE AND PEDESTRIAN LUMINAIRE - SHOREWOOD
- BEACON LIGHT - COMED
- LIGHTING CONTROLLER



**PRELIMINARY**

USER NAME = USMM706094	DESIGNED - MDA	REVISED -
	DRAWN - MDA	REVISED -
PLOT SCALE = 1:100	CHECKED - MJM	REVISED -
PLOT DATE = 8/6/2024	DATE - 08/07/2024	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

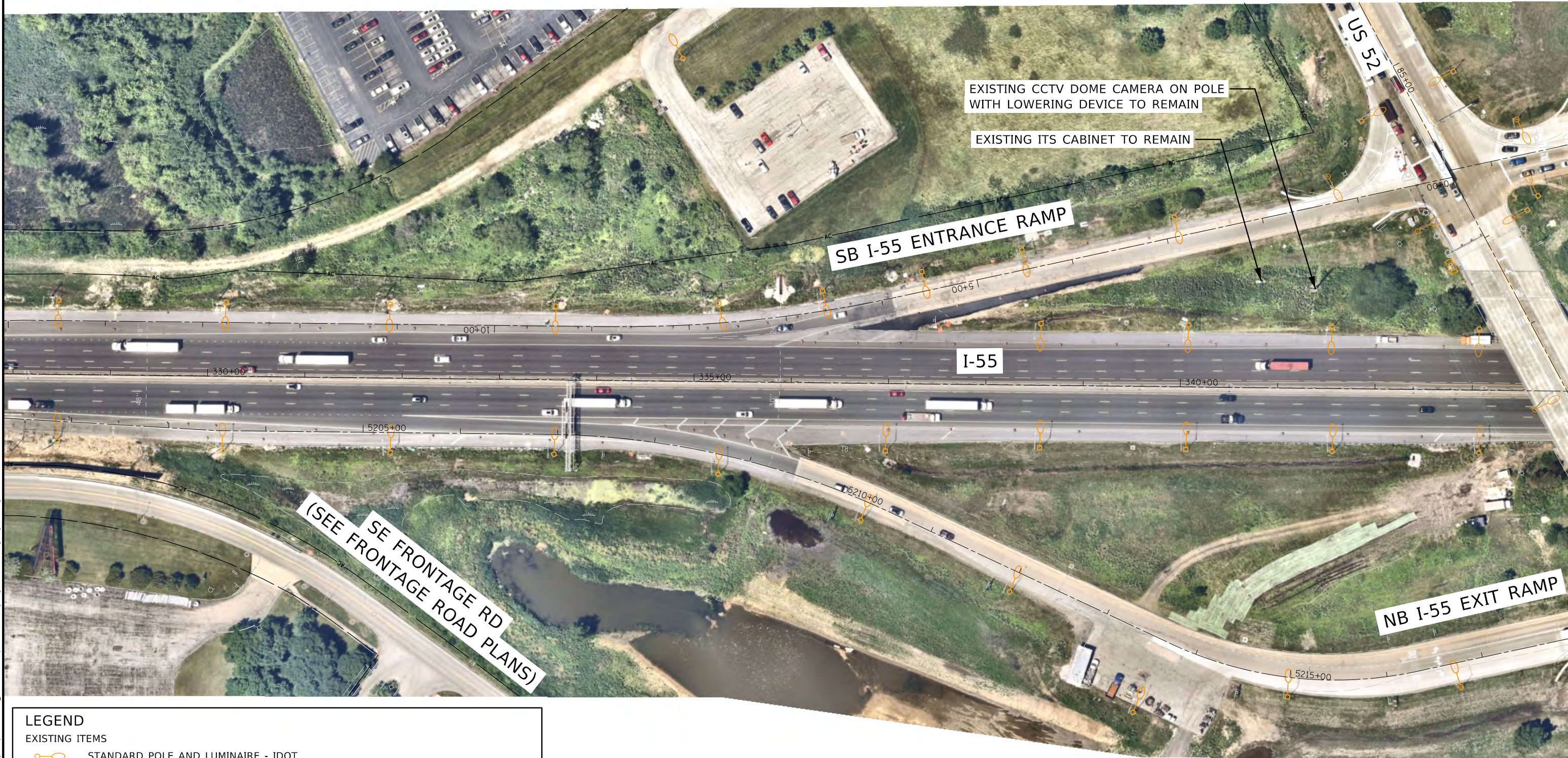
**US 52 (JEFFERSON STREET) FROM RIVER ROAD TO HOUBOLT ROAD  
EXISTING ROADWAY LIGHTING LAYOUT**

SCALE: AS SHOWN SHEET 11 OF 14 SHEETS STA. TO STA.

F.A.P. RTE. 607	SECTION	COUNTY WILL	TOTAL SHEETS 28	SHEET NO. 11
EXHIBIT A			P-91-019-19	
ILLINOIS FED. AID PROJECT				

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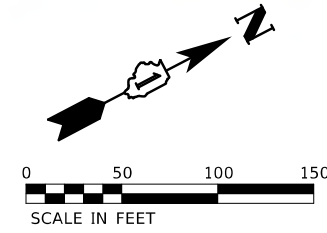
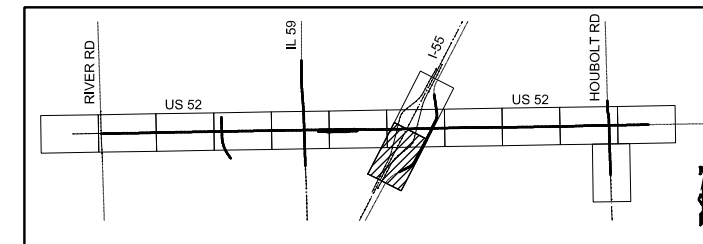
MATCH LINE STA 344+00

**SE FRONTAGE RD  
(SEE FRONTAGE ROAD PLANS)**

**LEGEND**

**EXISTING ITEMS**

- STANDARD POLE AND LUMINAIRE - IDOT
- STANDARD POLE/LUMINAIRE - JOLIET
- TRAFFIC SIGNAL COMBINATION POLE LUMINAIRE - IDOT
- STANDARD POLE AND LUMINAIRE - VILLAGE OF SHOREWOOD
- DECORATIVE POLE AND LUMINAIRE - VILLAGE OF SHOREWOOD
- DECORATIVE POLE WITH ROADWAY AND PEDESTRIAN LUMINAIRES - SHOREWOOD
- DECORATIVE POLE AND PEDESTRIAN LUMINAIRE - SHOREWOOD
- BEACON LIGHT - COMED
- LIGHTING CONTROLLER



**PRELIMINARY**

USER NAME = USMM706094	DESIGNED - MDA	REVISED -
PLOT SCALE = 1:100	DRAWN - MDA	REVISED -
PLOT DATE = 8/6/2024	CHECKED - MJM	REVISED -
	DATE - 08/07/2024	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

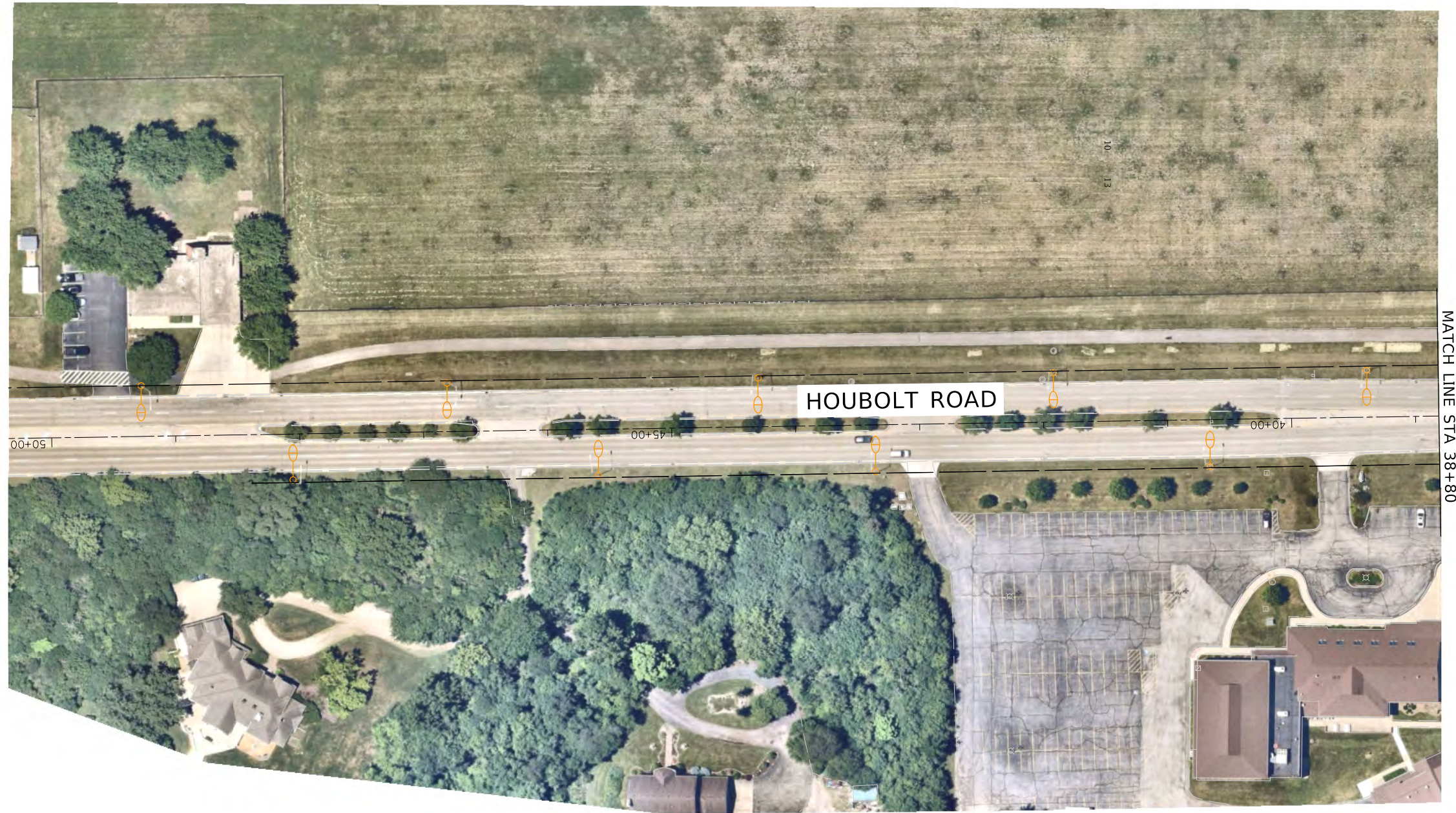
**US 52 (JEFFERSON STREET) FROM RIVER ROAD TO HOUBOLT ROAD  
EXISTING ROADWAY LIGHTING LAYOUT**

SCALE: AS SHOWN SHEET 12 OF 14 SHEETS STA. TO STA.

F.A.P RTE. 607	SECTION	COUNTY WILL	TOTAL SHEETS 28	SHEET NO. 12
<b>EXHIBIT A</b>			P-91-019-19	
ILLINOIS FED. AID PROJECT				












EXISTING LIGHTING CONTROLLER  
(CITY OF JOLIET) HOUBOLT ROAD  
LOCATED AT MCDONOUGH STREET

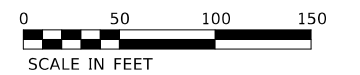
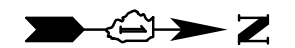
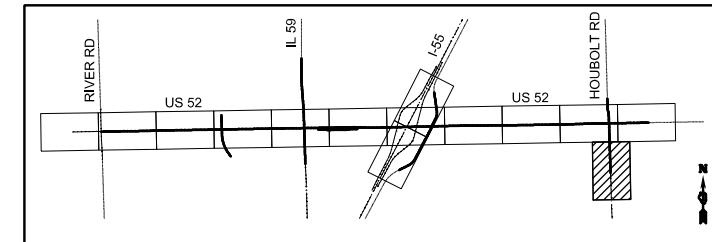


MATCH LINE STA 38+80

**LEGEND**

EXISTING ITEMS

-  STANDARD POLE AND LUMINAIRE - IDOT
-  STANDARD POLE/LUMINAIRE - JOLIET
-  TRAFFIC SIGNAL COMBINATION POLE LUMINAIRE - IDOT
-  STANDARD POLE AND LUMINAIRE - VILLAGE OF SHOREWOOD
-  DECORATIVE POLE AND LUMINAIRE - VILLAGE OF SHOREWOOD
-  DECORATIVE POLE WITH ROADWAY AND PEDESTRIAN LUMINAIRES - SHOREWOOD
-  DECORATIVE POLE AND PEDESTRIAN LUMINAIRE - SHOREWOOD
-  BEACON LIGHT - COMED
-  LIGHTING CONTROLLER



**PRELIMINARY**

USER NAME = USMM706094	DESIGNED - MDA	REVISED -
	DRAWN - MDA	REVISED -
PLOT SCALE = 1:100	CHECKED - MJM	REVISED -
PLOT DATE = 8/6/2024	DATE - 08/07/2024	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

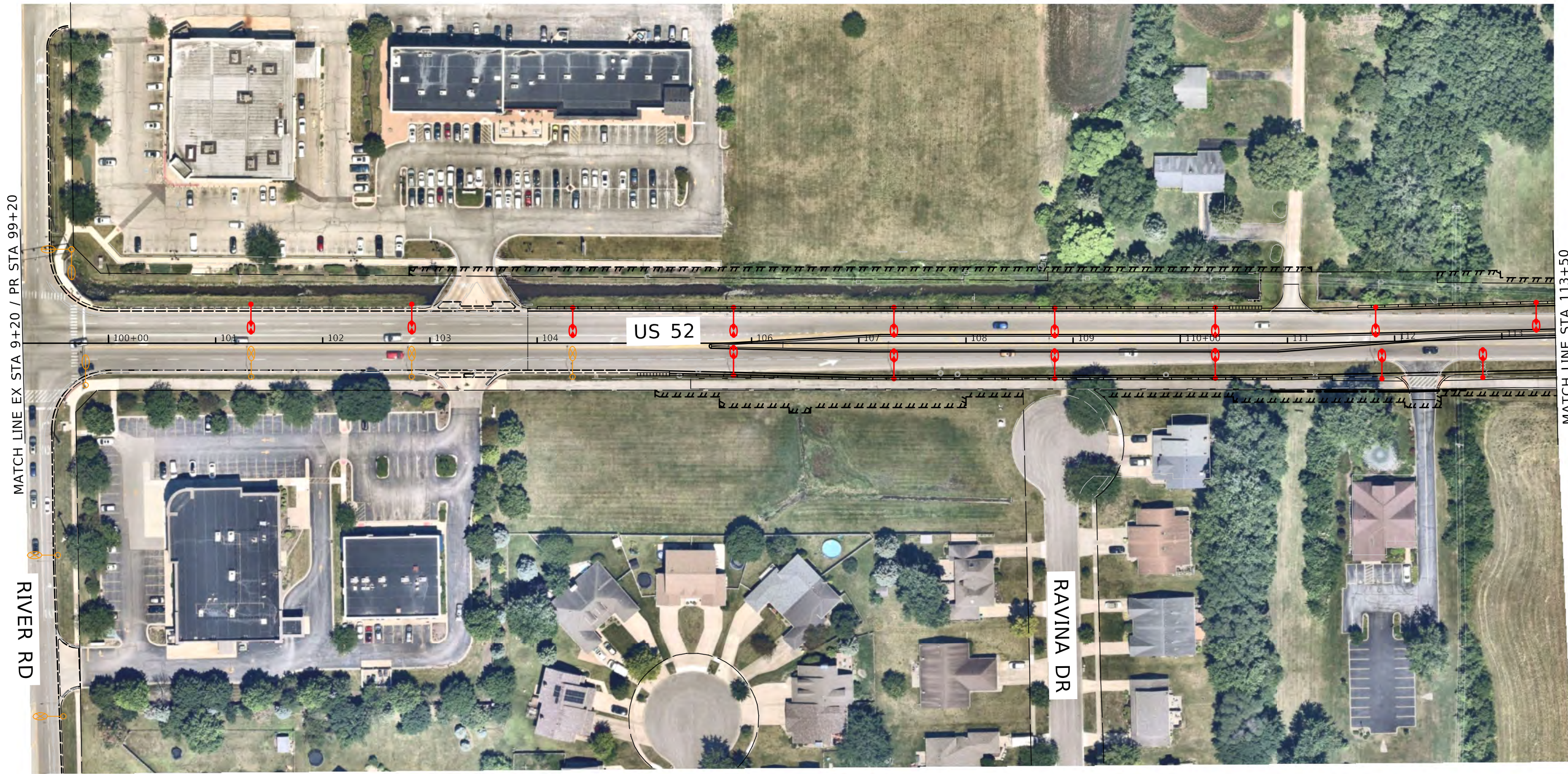
**US 52 (JEFFERSON STREET) FROM RIVER ROAD TO HOUBOLT ROAD  
EXISTING ROADWAY LIGHTING LAYOUT**

SCALE: AS SHOWN    SHEET 14 OF 14 SHEETS    STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
607		WILL	28	14
EXHIBIT A				P-91-019-19
<small>ILLINOIS FED. AID PROJECT</small>				

**Exhibit B – Proposed Improvements Lighting Layout**





MATCH LINE EX STA 9+20 / PR STA 99+20

RIVER RD

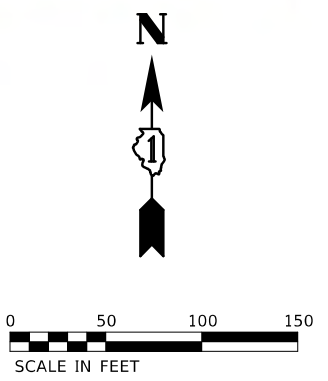
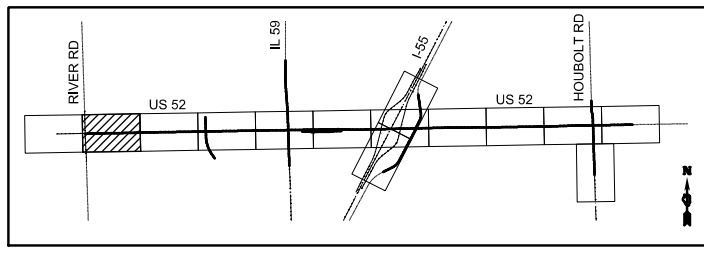
US 52

RAVINA DR

MATCH LINE STA 113+50

LEGEND	
EXISTING ITEMS	
	STANDARD POLE AND LUMINAIRE - IDOT
	STANDARD POLE/LUMINAIRE - JOLIET
	TRAFFIC SIGNAL COMBINATION POLE LUMINAIRE - IDOT
	STANDARD POLE AND LUMINAIRE - VILLAGE OF SHOREWOOD
	DECORATIVE POLE AND LUMINAIRE - VILLAGE OF SHOREWOOD
	DECORATIVE POLE WITH ROADWAY AND PEDESTRIAN LUMINAIRES - SHOREWOOD
	DECORATIVE POLE AND PEDESTRIAN LUMINAIRE - SHOREWOOD
	BEACON LIGHT - COMED
	LIGHTING CONTROLLER

LEGEND	
PROPOSED ITEMS	
	STANDARD POLE AND LUMINAIRE - IDOT
	STANDARD POLE/LUMINAIRE - CITY OF JOLIET
	TRAFFIC SIGNAL COMBINATION POLE LUMINAIRE - IDOT
	DECORATIVE POLE AND LUMINAIRE - VILLAGE OF SHOREWOOD
	DECORATIVE POLE WITH ROADWAY AND PEDESTRIAN LUMINAIRES (VILLAGE OF SHOREWOOD)
	DECORATIVE POLE AND PEDESTRIAN LUMINAIRES (VILLAGE OF SHOREWOOD)
	LIGHTING CONTROLLER



**PRELIMINARY**

USER NAME = USMM706094	DESIGNED - MDA	REVISED -
PLOT SCALE = 1:100	DRAWN - MDA	REVISED -
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	DATE - 08/07/2024	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

US 52 (JEFFERSON STREET) FROM RIVER ROAD TO HOUBOLT ROAD  
PROPOSED ROADWAY LIGHTING LAYOUT  
SCALE: AS SHOWN SHEET 2 OF 14 SHEETS STA. TO STA.

F.A.P. RTE. 607	SECTION	COUNTY WILL	TOTAL SHEETS 28	SHEET NO. 16
EXHIBIT B			P-91-019-19	
ILLINOIS FED. AID PROJECT				

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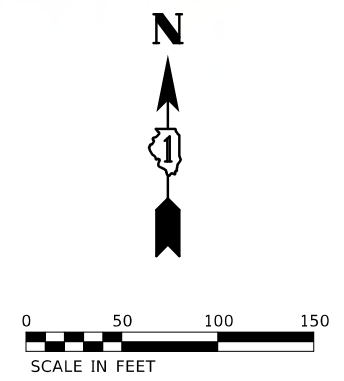
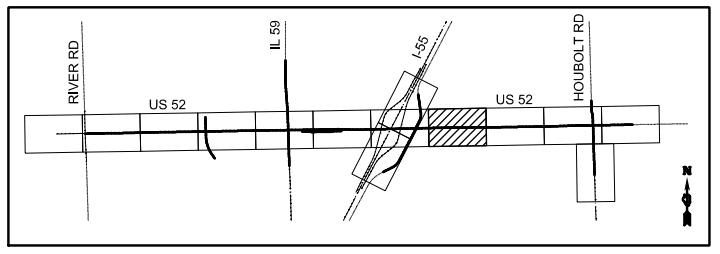






LEGEND	
EXISTING ITEMS	
	STANDARD POLE AND LUMINAIRE - IDOT
	STANDARD POLE/LUMINAIRE - JOLIET
	TRAFFIC SIGNAL COMBINATION POLE LUMINAIRE - IDOT
	STANDARD POLE AND LUMINAIRE - VILLAGE OF SHOREWOOD
	DECORATIVE POLE AND LUMINAIRE - VILLAGE OF SHOREWOOD
	DECORATIVE POLE WITH ROADWAY AND PEDESTRIAN LUMINAIRES - SHOREWOOD
	DECORATIVE POLE AND PEDESTRIAN LUMINAIRE - SHOREWOOD
	BEACON LIGHT - COMED
	LIGHTING CONTROLLER

LEGEND	
PROPOSED ITEMS	
	STANDARD POLE AND LUMINAIRE - IDOT
	STANDARD POLE/LUMINAIRE - CITY OF JOLIET
	TRAFFIC SIGNAL COMBINATION POLE LUMINAIRE - IDOT
	DECORATIVE POLE AND LUMINAIRE - VILLAGE OF SHOREWOOD
	DECORATIVE POLE WITH ROADWAY AND PEDESTRIAN LUMINAIRES (VILLAGE OF SHOREWOOD)
	DECORATIVE POLE AND PEDESTRIAN LUMINAIRES (VILLAGE OF SHOREWOOD)
	LIGHTING CONTROLLER



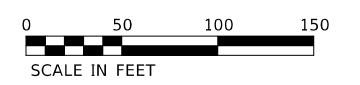
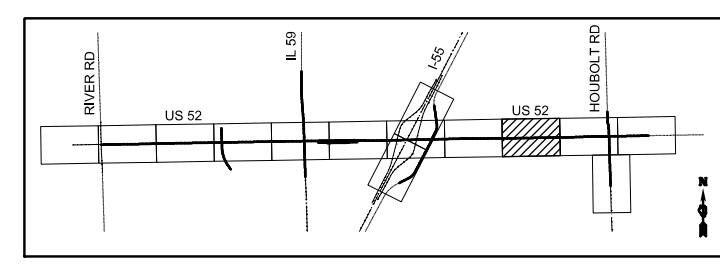
MATCH LINE STA 203+50

MATCH LINE STA 218+50



- LEGEND**  
EXISTING ITEMS
- STANDARD POLE AND LUMINAIRE - IDOT
  - STANDARD POLE/LUMINAIRE - JOLIET
  - TRAFFIC SIGNAL COMBINATION POLE LUMINAIRE - IDOT
  - STANDARD POLE AND LUMINAIRE - VILLAGE OF SHOREWOOD
  - DECORATIVE POLE AND LUMINAIRE - VILLAGE OF SHOREWOOD
  - DECORATIVE POLE WITH ROADWAY AND PEDESTRIAN LUMINAIRES - SHOREWOOD
  - DECORATIVE POLE AND PEDESTRIAN LUMINAIRE - SHOREWOOD
  - BEACON LIGHT - COMED
  - LIGHTING CONTROLLER

- LEGEND**  
PROPOSED ITEMS
- STANDARD POLE AND LUMINAIRE - IDOT
  - STANDARD POLE/LUMINAIRE - CITY OF JOLIET
  - TRAFFIC SIGNAL COMBINATION POLE LUMINAIRE - IDOT
  - DECORATIVE POLE AND LUMINAIRE - VILLAGE OF SHOREWOOD
  - DECORATIVE POLE WITH ROADWAY AND PEDESTRIAN LUMINAIRES (VILLAGE OF SHOREWOOD)
  - DECORATIVE POLE AND PEDESTRIAN LUMINAIRES (VILLAGE OF SHOREWOOD)
  - LIGHTING CONTROLLER



**PRELIMINARY**

USER NAME = USMM706094	DESIGNED - MDA	REVISED -
PLOT SCALE = 1:100	DRAWN - MDA	REVISED -
PLOT DATE = 8/6/2024	CHECKED - MJM	REVISED -
	DATE - 08/07/2024	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**US 52 (JEFFERSON STREET) FROM RIVER ROAD TO HOUBOLT ROAD  
PROPOSED ROADWAY LIGHTING LAYOUT**

SCALE: AS SHOWN    SHEET 9 OF 14 SHEETS    STA. TO STA.

F.A.P. RTE. 607	SECTION	COUNTY WILL	TOTAL SHEETS 28	SHEET NO. 23
EXHIBIT B			P-91-019-19	
ILLINOIS FED. AID PROJECT				



MATCH LINE STA 218+50

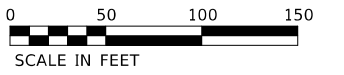
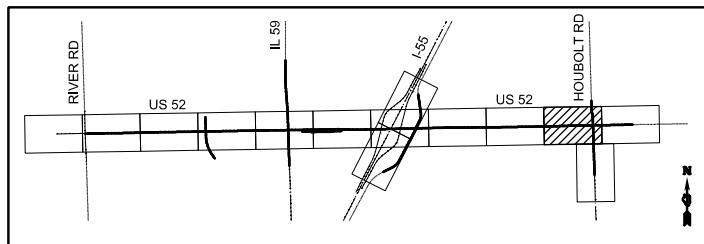
MATCH LINE STA 233+50

US 52

HOUBOLT RD

LEGEND	
EXISTING ITEMS	
	STANDARD POLE AND LUMINAIRE - IDOT
	STANDARD POLE/LUMINAIRE - JOLIET
	TRAFFIC SIGNAL COMBINATION POLE LUMINAIRE - IDOT
	STANDARD POLE AND LUMINAIRE - VILLAGE OF SHOREWOOD
	DECORATIVE POLE AND LUMINAIRE - VILLAGE OF SHOREWOOD
	DECORATIVE POLE WITH ROADWAY AND PEDESTRIAN LUMINAIRES - SHOREWOOD
	DECORATIVE POLE AND PEDESTRIAN LUMINAIRE - SHOREWOOD
	BEACON LIGHT - COMED
	LIGHTING CONTROLLER

LEGEND	
PROPOSED ITEMS	
	STANDARD POLE AND LUMINAIRE - IDOT
	STANDARD POLE/LUMINAIRE - CITY OF JOLIET
	TRAFFIC SIGNAL COMBINATION POLE LUMINAIRE - IDOT
	DECORATIVE POLE AND LUMINAIRE - VILLAGE OF SHOREWOOD
	DECORATIVE POLE WITH ROADWAY AND PEDESTRIAN LUMINAIRES (VILLAGE OF SHOREWOOD)
	DECORATIVE POLE AND PEDESTRIAN LUMINAIRES (VILLAGE OF SHOREWOOD)
	LIGHTING CONTROLLER



MATCH LINE STA 397+00

**PRELIMINARY**

USER NAME = USMM706094	DESIGNED - MDA	REVISED -
PLOT SCALE = 1:100	DRAWN - MDA	REVISED -
PLOT DATE = 8/6/2024	CHECKED - MJM	REVISED -
	DATE - 08/07/2024	REVISED -

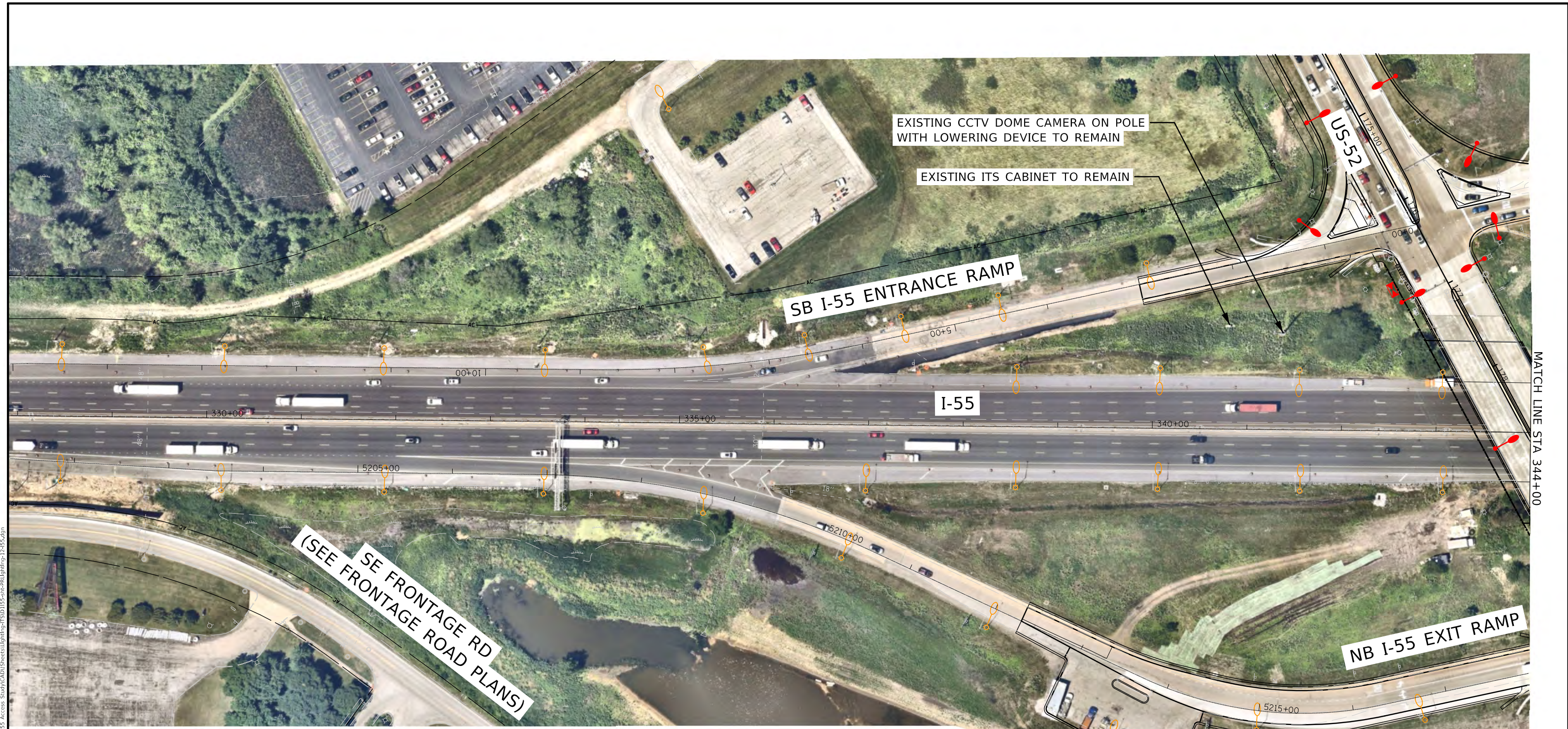
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**US 52 (JEFFERSON STREET) FROM RIVER ROAD TO HOUBOLT ROAD  
PROPOSED ROADWAY LIGHTING LAYOUT**

SCALE: AS SHOWN SHEET 10 OF 14 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
607		WILL	28	24
EXHIBIT B			P-91-019-19	
<small>ILLINOIS FED. AID PROJECT</small>				





**LEGEND**

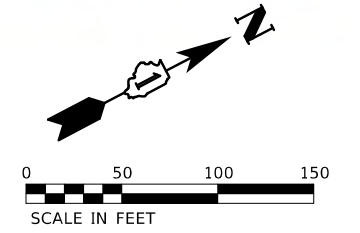
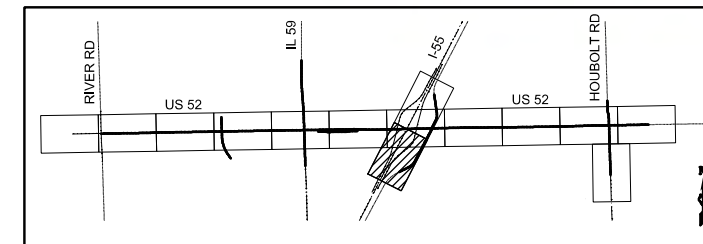
EXISTING ITEMS

- STANDARD POLE AND LUMINAIRE - IDOT
- STANDARD POLE/LUMINAIRE - JOLIET
- TRAFFIC SIGNAL COMBINATION POLE LUMINAIRE - IDOT
- STANDARD POLE AND LUMINAIRE - VILLAGE OF SHOREWOOD
- DECORATIVE POLE AND LUMINAIRE - VILLAGE OF SHOREWOOD
- DECORATIVE POLE WITH ROADWAY AND PEDESTRIAN LUMINAIRES - SHOREWOOD
- DECORATIVE POLE AND PEDESTRIAN LUMINAIRE - SHOREWOOD
- BEACON LIGHT - COMED
- LIGHTING CONTROLLER

**LEGEND**

PROPOSED ITEMS

- STANDARD POLE AND LUMINAIRE - IDOT
- STANDARD POLE/LUMINAIRE - CITY OF JOLIET
- TRAFFIC SIGNAL COMBINATION POLE LUMINAIRE - IDOT
- DECORATIVE POLE AND LUMINAIRE - VILLAGE OF SHOREWOOD
- DECORATIVE POLE WITH ROADWAY AND PEDESTRIAN LUMINAIRES (VILLAGE OF SHOREWOOD)
- DECORATIVE POLE AND PEDESTRIAN LUMINAIRES (VILLAGE OF SHOREWOOD)
- LIGHTING CONTROLLER



**PRELIMINARY**

USER NAME = USMM706094	DESIGNED - MDA	REVISED -
PLOT SCALE = 1:100	DRAWN - MDA	REVISED -
PLOT DATE = 8/6/2024	CHECKED - MJM	REVISED -
	DATE - 08/07/2024	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**US 52 (JEFFERSON STREET) FROM RIVER ROAD TO HOUBOLT ROAD  
PROPOSED ROADWAY LIGHTING LAYOUT**

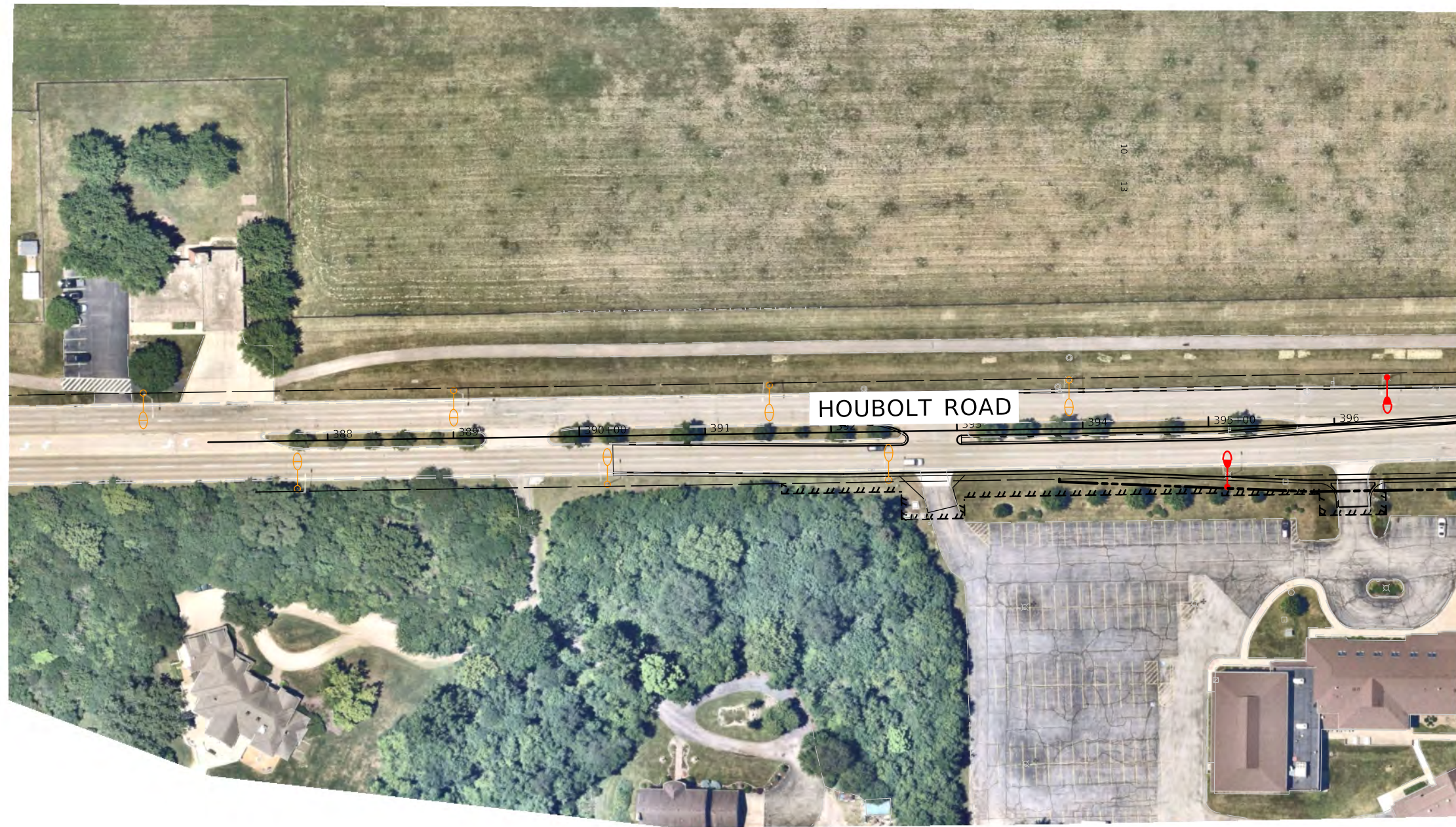
SCALE: AS SHOWN SHEET 12 OF 14 SHEETS STA. TO STA.

F.A.P. RTE. 607	SECTION	COUNTY WILL	TOTAL SHEETS 28	SHEET NO. 26
EXHIBIT B			P-91-019-19	
ILLINOIS FED. AID PROJECT				





MATCH LINE STA 397+00



← EXISTING LIGHTING CONTROLLER (CITY OF JOLIET) HOUBOLT ROAD LOCATED AT MCDONOUGH STREET

**LEGEND**

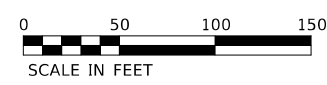
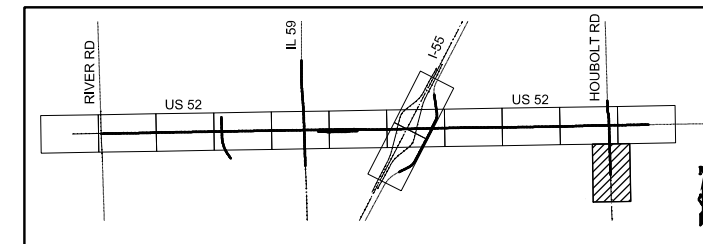
EXISTING ITEMS

- STANDARD POLE AND LUMINAIRE - IDOT
- STANDARD POLE/LUMINAIRE - JOLIET
- TRAFFIC SIGNAL COMBINATION POLE LUMINAIRE - IDOT
- STANDARD POLE AND LUMINAIRE - VILLAGE OF SHOREWOOD
- DECORATIVE POLE AND LUMINAIRE - VILLAGE OF SHOREWOOD
- DECORATIVE POLE WITH ROADWAY AND PEDESTRIAN LUMINAIRES - SHOREWOOD
- DECORATIVE POLE AND PEDESTRIAN LUMINAIRE - SHOREWOOD
- BEACON LIGHT - COMED
- LIGHTING CONTROLLER

**LEGEND**

PROPOSED ITEMS

- STANDARD POLE AND LUMINAIRE - IDOT
- STANDARD POLE/LUMINAIRE - CITY OF JOLIET
- TRAFFIC SIGNAL COMBINATION POLE LUMINAIRE - IDOT
- DECORATIVE POLE AND LUMINAIRE - VILLAGE OF SHOREWOOD
- DECORATIVE POLE WITH ROADWAY AND PEDESTRIAN LUMINAIRES (VILLAGE OF SHOREWOOD)
- DECORATIVE POLE AND PEDESTRIAN LUMINAIRES (VILLAGE OF SHOREWOOD)
- LIGHTING CONTROLLER



**PRELIMINARY**

USER NAME = USMM706094	DESIGNED - MDA	REVISED -
	DRAWN - MDA	REVISED -
PLOT SCALE = 1:100	CHECKED - MJM	REVISED -
PLOT DATE = 8/6/2024	DATE - 08/07/2024	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**US 52 (JEFFERSON STREET) FROM RIVER ROAD TO HOUBOLT ROAD  
PROPOSED ROADWAY LIGHTING LAYOUT**

SCALE: AS SHOWN SHEET 14 OF 14 SHEETS STA. TO STA.

F.A.P. RTE. 607	SECTION	COUNTY WILL	TOTAL SHEETS 28	SHEET NO. 28
EXHIBIT B			P-91-019-19	
ILLINOIS FED. AID PROJECT				

**Exhibit C – Existing Lighting and ITS Equipment Photos**

**EXHIBIT C – Existing Lighting and ITS Equipment Photos**



Existing IDOT interchange lighting along US 52 at West Frontage Road (looking east).



Existing IDOT interchange lighting along US 52 at East Frontage Road (looking west).

**EXHIBIT C – Existing Lighting and ITS Equipment Photos**



Existing IDOT interchange lighting along I-55 Ramps at US 52 (typical).



Existing IDOT CCTV Camera on 80-ft pole and ITS cabinet (southwest infield interchange quadrant).

**EXHIBIT C – Existing Lighting and ITS Equipment Photos**



Existing Village of Shorewood ornamental lighting along US 52 east of River Road showing separate poles for roadway and pedestrian luminaires.



US 52 looking west at Earl Drive intersection. Existing Village of Shorewood ornamental lighting system controller is located on the north parkway of US 52 across from Earl Drive (lower right of the photo).

**EXHIBIT C – Existing Lighting and ITS Equipment Photos**



Existing Village of Shorewood Ornamental lighting along US 52 at Earl Drive showing roadway poles with “piggy back” pedestrian luminaires.



Location showing where Village of Shorewood ornamental lighting system ends and Brookshore Drive lighting (standard poles) begins. Photo looking east along US 52 just east of Raven Road.

**EXHIBIT C – Existing Lighting and ITS Equipment Photos**



Signalized intersection of US 52 and Brookshore Drive (looking East) showing Village of Shorewood Brookshore lighting system. Note pedestal mounted lighting controller on the intersection's southwest corner.



Signalized intersection of US 52 and Houbolt Road (looking south) showing City of Joliet Houbolt Road lighting system.



**EXHIBIT C – Existing Lighting and ITS Equipment Photos**



Looking north on Houbolt Road north of US 52. These existing light poles are located beyond the proposed improvement area and will remain.



Existing signalized intersection of US 52 and Houbolt Road (looking east) showing last light pole from Houbolt Road lighting system on the right (south) side of the photo.

### EXHIBIT C – Existing Lighting and ITS Equipment Photos



Existing signalized intersection of US 52 and IL 59 looking west. There is no roadway lighting provided except for some isolated beacon lights attached to ComEd utility poles.



Existing signalized intersection of US 52 and IL 59 looking south. There is no roadway lighting provided except for some isolated beacon lights attached to ComEd utility poles. Note the ornamental fixture shown on the right side of the photo belongs to a private development located on the northwest corner of the intersection.