

# **Public Works Commission**

Application for Financial Assistance

IMPC	RTANT: Please consult "Instructions for I	Financial Assistance for Capital Infr	astructure Pro	jects" for guidance in c	completion of this form.			
	Applicant:			Subdivision Code:				
licant	District Number: County:	istrict Number: County: Date:						
App	Contact:(The individual who will be available during	business hours and who can best answer or coo	rdinate the respons	e to questions) Phone:				
	Email:			FAX: _				
	Project Name:			Zip Code	:			
	Subdivision Type	Project Type		Funding Request S	Summary			
Ļ		(Select single largest component by \$)	(Automatica	ally populates from page 2)				
jec		1. Road	Total Proje	ect Cost:	.00			
Pro	SFN	2. Bridge/Culvert	1. (	Grant:	.00			
		3. Water Supply	2. 1	_oan:	.00			
		4. Wastewater 3. Loan Assistant Credit Enhanc			.00			
		5. Solid Waste						
		6. Stormwater	Funding R	equested:	00			
Di	strict Recommendation	(To be completed by the District C	committee)					
(Se	Funding Type Requested	SCIP Loan - Rate:9	% Term:	Yrs Amount:	.00			
	State Capital Improvement Program	RLP Loan - Rate:	% Term:	Yrs Amount:	.00			
	Local Transportation Improvement Program	Grant:		Amount:	.00			
	Revolving Loan Program			Amount:	00			
	Small Government Program			Amount.	.00			
	District SG Priority:	Loan Assistance / Credit I	Enhancemen	t: Amount:	.00			
Fo	r OPWC Use Only							
	STATUS	Grant Amount:	.00	Loan Type:	SCIP 🗌 RLP			
Proje	ct Number:	Loan Amount:	.00	Date Construction	End:			
		Total Funding:	.00	Date Maturity:				
Relea	ase Date:	Local Participation:	%	Rate:	%			
OPW	C Approval:	OPWC Participation:	%	Term:	_ Yrs			

# 1.0 Project Financial Information (All Costs Rounded to Nearest Dollar)

# 1.1 Project Estimated Costs

Engineering Services			
Preliminary / Final Design:	.00		
Construction Administration:	.00		
Total Engineering Services:	a.)	.00	%
Right of Way:	b.)	.00	
Construction:	c.)	.00	
Permits, Advertising, Legal:	e.)	.00	
Construction Contingencies:	f.)	.00	
Total Estimated Costs:	g.)	.00	
1.2 Project Financial Resources			
Local Resources			
Local In-Kind or Force Account:	a.)	.00	
Local Revenues:	b.)	.00	
Other Public Revenues:			
Local / ODOT - Let:	d.)	.00	
ODOT PID:			
OEPA / OWDA:	e.)	.00	
CDBG:	f.)	.00	
Other:	g.)	.00	
Subtotal Local Resources:	i.)	.00	%
OPWC Funds (Check all requested and enter Amoun	t)		
Grant: % of OPWC Funds	j.)	.00	
Loan: % of OPWC Funds	k.)	.00	yrs
Loan Assistance / Credit Enhancement:	l.)	.00	
Subtotal OPWC Funds:	m.)	.00	%
Total Financial Resources:	n.)	.00	%

### 1.3 Availability of Local Funds

Attach a statement signed by the <u>Chief Financial Officer</u> listed in section 5.2 certifying <u>all local</u> <u>resources</u> required for the project will be available on or before the earliest date listed in the Project Schedule section. The OPWC Agreement will not be released until the local resources are certified. Failure to meet local share may result in termination of the project. Applicant needs to provide written confirmation for funds coming from other funding sources.

### 2.0 Repair / Replacement or New / Expansion

2.1 Total Portion of Project New / Expansion: \_\_\_\_\_\_.00

### 3.0 Project Schedule

3.1 Engineering / Design / Right of Way	Begin Date:	End Date:
3 2 Bid Advertisement and Award	Begin Date:	End Date:
3.3 Construction	Begin Date:	End Date:

Construction cannot begin prior to release of executed Project Agreement and issuance of Notice to Proceed.

Failure to meet project schedule may result in termination of agreement for approved projects. Modification of dates must be requested in writing by project official of record and approved by the Commission once the Project Agreement has been executed.

### 4.0 Project Information

If the project is multi-jurisdictional, information must be consolidated in this section.

### 4.1 Useful Life / Cost Estimate / Age of Infrastructure

Project Useful Life: \_\_\_\_\_ Years Age: \_\_\_\_\_ (Year built or year of last major improvement) Attach Registered Professional Engineer's statement, with seal or stamp and signature confirming the project's useful life indicated above and detailed cost estimate.

### 4.2 User Information

Road or Bridge: Current ADT \_\_\_\_\_ Year \_\_\_\_\_

Water / Wastewater: Based on monthly usage of 4,500 gallons per household; attach current ordinances.

 Residential Water Rate
 Current \$ \_\_\_\_\_
 Number of households served: \_\_\_\_\_\_

Number of households served:

Residential Wastewater Rate Current \$ \_\_\_\_\_ Number of households served: \_\_\_\_\_

Stormwater:

# 4.3 Project Description

A: SPECIFIC LOCATION (Supply a written location description that includes the project termini; a map does not replace this requirement.) 2000 character limit.

B: IDENTIFY THE PROBLEM (Describe the issue to be addressed) 2000 character limit.

C: PROJECT SCOPE (Describe the work to be completed) 2000 character limit.

D. How do you intend to promote this project? 1000 character limit.

E: Additional Notes From Applicant - 1000 character limit.

# 5.0 Project Officials

Changes in Project Officials must be submitted in writing from an officer of record.

5.1 Chief Executive Officer (Person authorized in legislation to sign project agreements)

	Name:			
	Title:			
	Address:			
	City:		State:	Zip:
	Phone:			
	FAX:			
	E-Mail:			
5.2 Chief Financial Officer	(Can not also s	erve as CEO)		
	Name:			
	Title:			
	Address:			
	City:		State:	Zip:
	Phone:			
	FAX:			
	E-Mail:			
5.3 Project Manager				
	Name:			
	Title:			
	Address:			
	City:		State:	Zip:
	Phone:			
	FAX:			
	E-Mail:			

### 6.0 Attachments / Completeness review

Confirm in the boxes below that each item listed is attached (Check each box)

A certified copy of the legislation by the governing body of the applicant authorizing a designated official to sign and submit this application and execute contracts. This individual should sign under 7.0, Applicant Certification, below.

A certification signed by the applicant's chief financial officer stating the amount of <u>all local share</u> funds required for the project will be available on or before the dates listed in the Project Schedule section. If the application involves a request for loan (RLP or SCIP), a certification signed by the CFO which identifies a specific revenue source for repaying the loan also must be attached. Both certifications can be accomplished in the same letter.

A registered professional engineer's detailed cost estimate and useful life statement, as required in 164-1-13, 164-1-14, and 164-1-16 of the Ohio Administrative Code. Estimates shall contain an engineer's <u>seal or stamp and signature.</u>

A cooperative agreement (if the project involves more than one subdivision or district) which identifies the fiscal and administrative responsibilities of each participant.

Farmland Preservation Review - The Governor's Executive Order 98-IIV, "Ohio Farmland Protection Policy" requires the Commission to establish guidelines on how it will take protection of productive agricultural and grazing land into account in its funding decision making process. Please include a Farm Land Preservation statement for projects that have an impact on farmland.

Capital Improvements Report. CIR Required by O.R.C. Chapter 164.06 on standard form.

Supporting Documentation: Materials such as additional project description, photographs, economic impact (temporary and/or full time jobs likely to be created as a result of the project), accident reports, impact on school zones, and other information to assist your district committee in ranking your project. Be sure to include supplements which may be required by your local District Public Works Integrating Committee.

## 7.0 Applicant Certification

The undersigned certifies: (1) he/she is legally authorized to request and accept financial assistance from the Ohio Public Works Commission as identified in the attached legislation; (2) to the best of his/her knowledge and belief, all representations that are part of this application are true and correct; (3) all official documents and commitments of the applicant that are part of this application have been duly authorized by the governing body of the applicant; and, (4) should the requested financial assistance be provided, that in the execution of this project, the applicant will comply with all assurances required by Ohio Law, including those involving Buy Ohio and prevailing wages.

Applicant certifies that physical construction on the project as defined in the application has NOT begun, and will not begin until a Project Agreement for this project has been executed with the Ohio Public Works Commission. Action to the contrary will result in termination of the agreement and withdrawal of Ohio Public Works Commission funding from the project.

Certifying Representative (Printed form, Type or Print Name and Title)

Original Signature / Date Signed

# **RECORD OF RESOLUTIONS**

Resolution No. 23-R-2863

Passed: \_\_\_\_\_\_AUG 1 7 2023

A RESOLUTION AUTHORIZING THE CITY MANAGER TO SUBMIT AN APPLICATION TO THE OHIO PUBLIC WORKS COMMISSION FOR A GRANT IN THE AMOUNT OF \$2.1 MILLION FOR WOODMAN DRIVE PHASE 1, PID 115003.

WHEREAS, the City of Riverside is eligible for a grant to be administered by the Ohio Public Works Commission in connection with the Woodman Drive Phase 1 (US 35 to Eastman), PID 115003 Project (herein referred as the "Project"); and

WHEREAS, funding assistance for the Project is desirable in that it would address critical roadway and infrastructure failures and serve to improve the health, safety, and wellness of the community.

NOW, THEREFORE, BE IT RESOLVED BY THE COUNCIL OF THE CITY OF RIVERSIDE, STATE OF OHIO:

- Section 1: That the City Manager is hereby authorized to sign and submit an application on behalf of the City of Riverside for a 33% grant in the amount of \$2.1 million to the Ohio Public Works Commission in support of the total cost of \$6,385,179 or 99% of the cost for the Woodman Drive Phase 1 PID 115003 Project.
- <u>Section 2:</u> The City Manager and/or Finance Director are hereby authorized to sign agreements and receive funds on behalf of the City in connection with said grant should it be awarded.

Section 3: This Resolution shall take effect and be in force from and after the date of its passage.

PASSED THIS DAY OF

AUG 1 7 2023

APPROVED:

ATTEST:

# **RECORD OF RESOLUTIONS**

=

I. Katie Lo	CERTIFIC	ATE OF THE CLERK	City of Riverside, Ohio, do
hereby certify that the for 23-R-2863 passed by th	oregoing Reso e Riverside Ci	lution is a true and corr ty Council on AU	ect copy of Resolution No IG 172023
in testimony wi AUG 17 2023	HEREOF, w	itness my hand and	l official seal this day
K Les	De	n an the an and an Sub-state full at any	
CLERK			
a and a star of the star of th			

#### CHIEF FINANCIAL OFFICER'S CERTIFICATION OF LOCAL FUNDS

Date: 8 18 2023

I, Director of Finance of the City of Riverside hereby certify that City of Riverside has the amount of \$70,147.00 in the General Fund and that this amount will be used to pay the local share for the Woodman Drive Reconstruction when it is required.

**Thomas Garrett, Director of Finance** 



t: 937.223.6323 f: 937.223.9750 TTY/TDD: 800.750.0750 www.mvrpc.org

10 North Ludlow St., Suite 700 Dayton, Ohio 45402

March 7, 2023

Mr. Joshua Rauch City Manager City of Riverside 5200 Springfield Street Suite 100 Riverside, OH 45431

Dear Mr. Rauch;

Congratulations, on March 02, 2023 the MVRPC Board of Directors approved your request for regionally controlled funds as shown below and detailed on the attached project summary sheet(s).

• Woodman Drive Pedestrian Improvements - \$ 847,250 CR

Pursuant to the Policies and Procedures for the STP, CMAQ, TA, and CR programs, approved projects must be fully programmed with ODOT and MVRPC within three months of the original approval. **This date must be met in order to maintain funding commitment to your locality.** Please contact your ODOT District office to schedule a meeting to begin this process. At this meeting, a detailed project scope and a tentative project development schedule will be determined with the assistance of both ODOT District and MVRPC staff. Based upon this determination, a final funding year will be recommended for inclusion in the MVRPC Transportation Improvement Program (TIP).

It is important to note that ODOT has implemented a MPO funds management policy which restricts MVRPC's ability to carry over funding for the STP, CMAQ, TA, and CR programs from year to year. As such, when requesting a funding year please know, that it is imperative that your project meets the requested timeframe. MVRPC's ability to fund projects beyond the approved funding year is restricted by the state policy. This requires adherence to the agreed upon schedule to avoid loss of funding for your project.

Also, please, be aware that all cost overruns realized at bid opening will be the sole responsibility of the project sponsor. Once approved, a project's scope cannot be changed without the Board's approval. The amount of funds available for reimbursement for a project will be capped at the approved amount shown in the summary. The matching federal funds will be reimbursed at the percentage shown in the summary.

Air Quality (CMAQ) Discretionary Program. This policy withdraws the CMAQ project selection authority from MPOs such as MVRPC. The authority to select and manage CMAQ projects is now the responsibility of a committee comprised of representatives from Ohio's 8 largest MPOS. The proposed CMAQ projects will be designated as "Candidate" projects by ODOT in Ellis pending approval by the Ohio Statewide Urban CMAQ Committee in December 2023.

All project sponsors must know and implement the U.S. Department of Transportation Standard Title VI Assurances and Nondiscrimination Provisions, which states "No person in the United States shall, on the grounds of race, color, national origin, sex, age, disability, lowincome status, or limited English proficiency, be excluded from participation in, be denied the benefits of, or be otherwise subjected to discrimination under any program or activity, for which the Recipient receives Federal financial assistance from DOT, including FHWA".

Please note that these federal funds are being awarded by MVRPC as the administrator of the funds for the Federal Highway Administration (FHWA). As such, it is MVRPC's intention to be fully recognized as the provider of the funds as described above. Please make sure that any announcements, publications, press releases, etc. state that these federal funds are being provided through MVRPC. Also, in an effort to inform the public more about what kinds of services MVRPC provides to our member jurisdictions, we are suggesting that if project sponsors are already intending to provide and install some temporary project signage at the construction site during the duration of the project, that MVRPC's logo be included.

If you have any questions concerning the attached material, please feel free to call Brad Daniel, 937-223-6323.

Sincerely,

ian O. Martin

Brian O. Martin, AICP Executive Director

Cc: Kath Bartlett Scott Schmid – ODOT District 7

Ар	orove	ed: \$8	47,250					MVI	RPC DE	<b>3#</b> <u>R</u> 2	22-(
Proje	ect Cla	ss: CR		Appl	ication Y	ear: 202	2	Proj	ect Appro	ved: Y	es
roje	ect Spo	onsor: C	ity of River	side					Loca	al Prior	ity:
Proje	ect Nar	ne: Woo	dman Driv	e Pede	estrian Im	provemer	nts				
Proje	ect Loc	ation: W	Voodman E	Drive fr	om US 35	5 to Eastn	nan Roa	ad.			
Proje	ect Des	scription	: Pedestria the conne multi-use installatic improven including	an impr ection path o on of st nents t a sign	ovements of new sic connecting reet lightin o the inter al upgrad	including lewalk to y Woodm ng along rsection c e that inc	g install Richlar an Park the enti of Wood orporate	ation and d Avenu c Drive to re corrido man Driv es pedes	l replacem e, installati Eastman / or, and ped re and Eas trian/ADA	ent of s on of a Avenue lestrian tman A facilitie	side nev e, ver ver s.
F	unding	Request	ed in Origin	al App	licatation		<u>Final</u>	Funding	Breakdow	n as Ap	pro
Γ	Phase	Source	S77 023	<b>Year</b>	Pro Rata		Phase	Source	Amount	Year	Pro 7
	CE		\$20,475	2025	21%		CE		\$20,475		2
	l	Phase Tota	\$20,475	2025	2170			Phase Tot	\$20,475		2
ŀ	Con	CR	\$770 227	2025	79%		Con		\$770 227	1 1	7
	Con	Local	\$204 744	2025	21%		Con	Local	\$204 744		2
	l	Phase Tota	¢204,744	2020	2170			Phase Tota	¢204,744		2
								0	verall Fu	nding	Sp
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								0	verall Fu	nding	Sp

From:	Michael Goettemoeller
To:	Mitch Thobe; Kaye Borchers
Subject:	FW: Spring 2023 Formal Safety Funding - Woodman Drive/Eastman Avenue Application (PID 115003)
Date:	Tuesday, August 8, 2023 7:11:52 AM
Attachments:	image001.png

Riverside received partial funding. See below.

Thank you,

#### Michael Goettemoeller, PE, PTOE Project Manager for Choice One Engineering

937.497.0200 Office | 937.251.5573 Cell

From: Mary.Hoy@dot.ohio.gov <Mary.Hoy@dot.ohio.gov>
Sent: Monday, August 7, 2023 4:32 PM
To: kbartlett@riversideoh.gov
Cc: Michael Goettemoeller <mkg@choiceoneengineering.com>; Scott.Schmid@dot.ohio.gov;
Blake.Simpson@dot.ohio.gov
Subject: Spring 2023 Formal Safety Funding - Woodman Drive/Eastman Avenue Application (PID 115003)

Good Afternoon,

The award notices for the April 2023 Safety Project Applications have been made. As usual, decision making was difficult. ODOT districts and local governments submitted 39 projects worth more than \$116 million this application round. These were reviewed and funding decision were made based on a variety of criteria including statewide/local priority, countermeasures identified, and available funding.

I am pleased to inform you that \$500,000 has been approved for this project for Construction funding in FY 2025. This funding is capped. The amount awarded is different from what was requested.

The next step will be to get this funding programmed, which needs to occur before the end of August. Please expect to hear from us soon regarding the programming. If you have any questions in the meantime, let us know!

Respectfully,

#### Mary E. Hoy, P.E.

District Traffic Planning Engineer ODOT District 7 1001 St. Marys Avenue, Sidney, Ohio 45365 (p) 937.497.6838 transportation.ohio.gov





10 North Ludlow St., Suite 700 Dayton, Ohio 45402-1855 t: 937.223.6323 f: 937.223.9750 TTY/TDD: 800.750.0750 www.mvrpc.org

March 4, 2021

Mr. C. Mark Carpenter City Manager City of Riverside 5200 Springfield Street Suite 100 Riverside, Ohio 45431

Dear Mr. Carpenter;

Congratulations, on March 04, 2021 the MVRPC Board of Directors approved your request for regionally controlled funds as shown below and detailed on the attached project summary sheet(s).

Woodman Drive Reconstruction - \$2,867,782 STP

Pursuant to the Policies and Procedures for the STP, CMAQ, and TA programs, approved projects must be fully programmed with ODOT and MVRPC within three months of the original approval. **This date must be met in order to maintain funding commitment to your locality.** Please contact your ODOT District office to schedule a meeting to begin this process. At this meeting, a detailed project scope and a tentative project development schedule will be determined with the assistance of both ODOT District and MVRPC staff. Based upon this determination, a final funding year will be recommended for inclusion in the MVRPC Transportation Improvement Program (TIP).

It is important to note that ODOT has implemented a MPO funds management policy which restricts MVRPC's ability to carry over funding for the STP, CMAQ, and TA programs from year to year. As such, when requesting a funding year please know, that it is imperative that your project meets the requested timeframe. MVRPC's ability to fund projects beyond the approved funding year is restricted by the state policy. This requires adherence to the agreed upon schedule to avoid loss of funding for your project.

Also please, be aware that all cost overruns realized at bid opening will be the sole responsibility of the project sponsor. Once approved, a project's scope cannot be changed without the Board's approval. The amount of funds available for reimbursement for a project will be capped at the approved amount shown in the summary. The matching federal funds will be reimbursed at the percentage shown in the summary.

Additionally, ODOT has implemented a policy in regards to the Ohio Congestion Mitigation and Air Quality (CMAQ) Discretionary Program. This policy withdraws the CMAQ project selection authority from MPOs such as MVRPC. The authority to select and manage CMAQ projects is now the responsibility of a committee comprised of representatives from Ohio's 8 largest MPO's. The proposed CMAQ projects will be designated as "Candidate" projects by ODOT in Ellis pending approval by the Ohio Statewide Urban CMAQ Committee in December 2021.

All project sponsors must know and implement the U.S. Department of Transportation Standard Title VI Assurances and Nondiscrimination Provisions, which states "No person in the United States shall, on the grounds of race, color, national origin, sex, age, disability, low-income status, or limited English proficiency, be excluded from participation in, be denied the benefits of, or be otherwise subjected to discrimination under any program or activity, for which the Recipient receives Federal financial assistance from DOT, including FHWA".

Please note that these federal funds are being awarded by MVRPC as the administrator of the funds for the Federal Highway Administration (FHWA). As such, it is MVRPC's intention to be fully recognized as the provider of the funds as described above. Please make sure that any announcements, publications, press releases, etc. state that these federal funds are being provided through MVRPC. Also, in an effort to inform the public more about what kinds of services MVRPC provides to our member jurisdictions, we are suggesting that if project sponsors are already intending to provide and install some temporary project signage at the construction site during the duration of the project, that MVRPC's logo be included.

If you have any questions concerning the attached material, please feel free to call Brad Daniel, 937-223-6323.

Sincerely,

ian O. Martin

Brian O. Martin, AICP Executive Director

Cc: Kathy Bartlett Ben Wiltheiss – ODOT District 7



#### MOT-WOODMAN DR. RECONSTRUCTION CITY OF RIVERSIDE PRELIMINARY CONSTRUCTION ESTIMATE (FOR OPWC)

					June 6, 2023
NO.	DESCRIPTION	UNIT OF MEASURE	APPROX.	UNIT PRICE	TOTAL
	ROADWAY				
201	CLEARING AND GRUBBING	LUMP	1	\$16,200.00	\$16,200.00
202	HEADWALL REMOVED	LUMP	1	\$2,160.00	\$2,160.00
202	PAVEMENT REMOVED	S.Y.	20795	\$16.20	\$336,879.00
202		S.F.	544	\$4.32	\$2,350.08
202		S.Y.	216	\$27.00	\$5,832.00
202	CURB AND GUTTER REMOVED	FI.	3120	\$5.48	\$20,217.60
202	CONCRETE SLOPE PROTECTION REMOVED	F1.	45	\$32.40	\$1,458.00
202	PIPE REMOVED. 24" AND UNDER	5.1. FT	5328	\$24.84	\$132 347 57
202	PIPE REMOVED, OVER 24"	FT.	16	\$64.80	\$1,036,80
202	PIPE REMOVED, OVER 24", AS PER PLAN	FT.	8	\$1.296.00	\$10,368.00
202	GUARDRAIL REMOVED	FT.	2556	\$4.32	\$11,041.92
202	CATCH BASIN REMOVED	EACH	14	\$702.00	\$9,828.00
202	REMOVAL MISC.: CONDUIT	FT.	50	\$21.60	\$1,080.00
202	REMOVAL MISC.: INSPECTION WELL	EACH	2	\$540.00	\$1,080.00
203	EXCAVATION	C.Y.	12850	\$24.84	\$319,194.00
203	EMBANKMENT	C.Y.	3980	\$34.56	\$137,548.80
203	EMBANKMENT, AS PER PLAN	C.Y.	15	\$64.80	\$972.00
204	SUBGRADE COMPACTION	S.Y.	18322	\$2.97	\$54,416.34
204	EXCAVATION OF SUBGRADE	C.Y.	4205	\$27.00	\$113,535.00
204	GRANULAR MATERIAL, TYPE C	C.Y.	4205	\$75.60	\$317,898.00
204	PROOF ROLLING	HOUR	8	\$280.80	\$2,246.40
204	GEOGRID	S.Y.	9762	\$3.78	\$36,900.36
606	GUARDRAIL, TYPE MGS	FT.	1800	\$27.00	\$48,600.00
600	ANCHOR ASSEMBLY, MIGS TYPE E	EACH	3	\$3,510.00	\$10,530.00
608		EACH	2	\$2,700.00	\$5,400.00
508	4" CONCRETE WALK AS PER PLAN	F1.	2924	\$118.60	\$00,052.80
508	CUBB RAMP. AS PER PLAN	5.7.	1776	\$9.72	\$27,449.28
	ROADWAY CONSTRUCTION SUBTOTAL	5.1.	1//0		\$1,737,947,34
	EROSION CONTROL				+-,
501	TIED CONCRETE BLOCK MAT, TYPE 2	S.Y.	44	\$108.00	\$4,752.00
501	ROCK CHANNEL PROTECTION, TYPE C WITH GEOTEXTILE FABRIC	C.Y.	34	\$189.00	\$6,426.00
659	TOPSOIL	C.Y.	1465	\$37.80	\$55,377.00
559	SEEDING AND MULCHING, CLASS 1	S.Y.	13160	\$2.70	\$35,532.00
559	REPAIR SEEDING AND MULCHING	S.Y.	660	\$2.16	\$1,425.60
59	INTER-SEEDING	S.Y.	660	\$2.16	\$1,425.60
59	COMMERCIAL FERTILIZER	TON	1.8	\$1,080.00	\$1,944.00
59	LIME	ACRE	2.72	\$162.00	\$440.64
59		MGAL	71	\$5.40	\$383.40
222	SLOPE ERUSION PROTECTION STORM WATER DOLUTION DREVENTION DIAM	S.Y.	2114	\$3.78	\$7,990.92
32	STORM WATER POLLUTION PREVENTION PLAN	LUMP	1	\$8,100.00	\$8,100.00
32	STORM WATER FOLLOTION PREVENTION SOFTWARE	LUMP	1	\$12,960.00	\$12,960.00
32	FROSION CONTROL	EACH	1	\$7,020.00	\$7,020.00
	EROSION CONTROL CONSTRUCTION SUBTOTAL	EACH	30000	\$1.00 _	\$197,777,16
	DRAINAGE				<i>v</i> ,
02	CONCRETE MASONRY	C.Y.	10	\$1,836.00	\$18,360.00
05	6" SHALLOW PIPE UNDERDRAINS	FT.	2790	\$23.76	\$66,290.40
05	6" BASE PIPE UNDERDRAINS	FT.	392	\$21.60	\$8,467.20
11	6" CONDUIT, TYPE F FOR UNDERDRAIN OUTLETS	FT.	270	\$27.00	\$7,290.00
11	12" CONDUIT, TYPE B	FT.	1815	\$91.80	\$166,617.00
11	12" CONDUIT, TYPE C	FT.	154	\$86.40	\$13,305.60
11	12" CONDUIT, TYPE D	FT.	174	\$86.40	\$15,033.60
11	12" CONDUIT, TYPE F	FT.	102	\$97.20	\$9,914.40
11	15" CONDUIT, TYPE C	FT.	62	\$108.00	\$6,696.00
11	24" CONDUIT, TYPE C	FT.	36	\$216.00	\$7,776.00
11	30" CONDUIT, TYPE B	FT.	16	\$486.00	\$7,776.00
11	PLAN	FT.	8	\$2,700.00	\$21,600.00
11	CONDUIT, MISC.: TYPE C FOR DRAINAGE DISCHARGE CONTINUANCE	FT.	50	\$54.00	\$2,700.00
11	CONDUIT, MISC.: TYPE E FOR DRAINAGE DISCHARGE CONTINUANCE	FT.	50	\$54.00	\$2,700.00
11	CONDUIT, MISC.: TYPE F FOR DRAINAGE DISCHARGE CONTINUANCE	FT.	50	\$54.00	\$2,700.00
11	CATCH DADIN, NU. 3	EACH	1	\$5,400.00	\$5,400.00
11		EACH	19	\$3,240.00	\$61,560.00
11		EACH	1	\$2,430.00	\$2,430.00
11	CATCH DAGIN, NO. 0, AS PER PLAN	EACH	1	\$3,240.00	\$3,240.00
11	CATCH BASIN, NO. 2-2A	EACH	2	\$2,700.00	\$5,400.00
11		EACH	2	\$2,700.00	\$5,400.00
11	MANHOLF, NO. 3	EACH	2	\$4,320.00	\$4,320.00 \$10,800.00
11	MANHOLE, NO. 3 WITH 84" BASE LD. AND 6" WEIR	EACH	2	\$5,400.00	\$1,800.00
1 1	INSPECTION WELL	EACH	2	\$910.00	\$3,180.00
	MANUFACTURED WATER QUALITY STRUCTURE TYPE 1	EACH	1	\$74 300 00	\$24 200 00
<u> </u>	DRAINAGE CONSTRUCTION SUBTOTAL	CACH			\$490 976 20
					2450,070.20

	PAVEMENT				
252	FULL DEPTH PAVEMENT SAWING	FT.	1314	\$3.24	\$4,257.3
254	PAVEMENT PLANING, ASPHALT CONCRETE	S.Y.	1975	\$6.48	\$12,798 (
301	ASPHALT CONCRETE BASE PG64-22	s v	2302	\$226.80	\$522,002.0
304	ACCEPTCATE BASE	3.1.	2502	\$220.00	\$322,095.0
304	AGGREGATE BASE	C.Y.	3112	\$70.20	\$218,462.4
407	NON-TRACKING TACK COAT	GAL	2050	\$4.86	\$9,963.0
441	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22, (449)	C.Y.	38	\$324.00	\$12,312.0
441	ASPHALT CONCRETE SURFACE INTERMEDIATE COURSE, TYPE 2, (448), (449)	C.Y.	84	\$297.00	\$24,948.0
441	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), (DRIVEWAYS), (449)	CY	6	\$594.00	\$3 564 (
441	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (448), (DRIVEWAYS), (449)	C.V.	12	\$554.00	\$5,504.0
441	ASPITALT CONCRETE INTERNEDIATE COURSE, TITE 2, (446), (DRIVEWATS), (445)	C.1.	12	\$540.00	\$0,480.0
442	ASPHALI CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (448)	C.Y.	706	\$297.00	\$209,682.0
442	ASPHALT CONCRETE INTERMEDIATE COURSE, 19 MM, TYPE A (448)	C.Y.	1060	\$270.00	\$286,200.0
452	9" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P, AS PER PLAN	S.Y.	144	\$118.80	\$17,107.2
609	COMBINATION CURB AND GUTTER, TYPE 2, AS PER PLAN	FT.	4022	\$32.40	\$130.312.8
609	CURB TYPE 6. AS PER PLAN	FT	1022	\$27.00	\$51 804 (
609	6" CONCRETE TRAFFIC ISLAND, AS DED DI AN	C V	42	\$27.00	\$51,054.0
009	6 CONCRETE TRAFFIC ISLAND, AS PER PLAN	5.1.	42	\$97.20	\$4,082.4
690	SPECIAL - ASPHALT REJUVENATING AGENT	GAL	552	\$37.80	\$20,865.6
	PAVEMENT CONSTRUCTION SUBTOTAL				\$1,535,022.3
	WATER WORK				
638	VALVE BOX ADJUSTED TO GRADE	EACH	1	\$378.00	\$378.0
	WATER WORK CONSTRUCTION SUBTOTAL				\$378.0
	CANITADY SEMIED				\$570.0
	SANITART SEVVER				
611	MANHOLE ADJUSTED TO GRADE	EACH	4	\$1,080.00	\$4,320.0
	SANITARY SEWER CONSTRUCTION SUBTOTAL				\$4,320.0
	LIGHTING				
611	4" CONDUIT, TYPE E	FT.	40	\$27.00	\$1,080.0
625	CONNECTION FUSED PULL APART	FACH	59	\$140.40	\$9 142 2
675		EACH	50	\$140.40	¢0,143.2
025		EACH	6	\$140.40	\$842.4
625	LIGHT POLE, DECORATIVE, AS PER PLAN, (MONOARM LIGHT POLE (AT12B32.5))	EACH	29	\$4,050.00	\$117,450.0
625	LIGHT POLE FOUNDATION, 24" X 6' DEEP	EACH	29	\$1,890.00	\$54,810.0
625	NO. 8 AWG 600 VOLT DISTRIBUTION CABLE	FT.	12500	\$2.97	\$37,125.0
625	NO. 12 AWG POLE AND BRACKET CABLE	FT	4900	\$2.16	\$10 584 0
625	CONDUIT 2" 725 051	ET.	1000	\$2.10	\$10,004.0
025		FI.	1980	\$16.20	\$32,076.0
625	CONDUIT, 3", 725.051	FT.	45	\$37.80	\$1,701.0
625	CONDUIT, JACKED OR DRILLED, 725.052, AS PER PLAN, 2"	FT.	1510	\$37.80	\$57,078.0
625	CONDUIT, JACKED OR DRILLED, 725.052, AS PER PLAN, 3"	FT.	110	\$59.40	\$6,534.0
625	LUMINAIRE, DECORATIVE, AS PER PLAN, (STERNBERG)	EACH	29	\$2,430.00	\$70,470.0
625	TRENCH	FT	2025	\$10.80	\$21 870 0
625	PULL BOX 725 08 19"	EACH	2023	\$1 404.00	¢21,070.0
625	FOLL BOX, 725.08, 18	EACH	2	\$1,404.00	\$2,808.0
625	GROUND ROD	EACH	30	\$324.00	\$9,720.0
625	POWER SERVICE, AS PER PLAN	EACH	1	\$11,340.00	\$11,340.0
625	PLASTIC CAUTION TAPE, UNDERGROUND WARNING/MARKING TAPE	FT.	2025	\$3.24	\$6,561.0
625	LIGHTING, MISC.: POWER CABLE, 3 CONDUCTOR, NO. 2 AWG	FT.	40	\$10.80	\$432.0
	LIGHTING CONSTRUCTION SUBTOTAL				\$450 674 6
	TRAFFIC CONTROL				2430,024.0
626	RAPPIC CONTROL			44.4.44	
626	BARRIER REFLECTOR, TYPE 2	EACH	26	\$21.60	\$561.6
630	GROUND MOUNTED SUPPORT, NO. 3 POST	FT.	329	\$17.28	\$5,685.13
630	SIGN HANGER ASSEMBLY, MAST ARM, AS PER PLAN	EACH	9	\$702.00	\$6,318.04
630	SIGN SUPPORT ASSEMBLY, POLE MOUNTED, AS PER PLAN	EACH	1	\$378.00	\$378.0
630	SIGN, FLAT SHEET	SE	161	\$30.24	\$4 868 6
630	SIGN FLAT SHEET AS DED DLAN	5.5	20	\$27.90	\$1,000.0
630		3.F.	50	\$37.60	\$1,430.40
630	SIGN, STREET NAME, AS PER PLAN	EACH	4	\$540.00	\$2,160.00
630	REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL	EACH	16	\$27.00	\$432.0
630	REMOVAL OF GROUND MOUNTED SIGN AND REERECTION	EACH	2	\$27.00	\$54.00
630	REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL	EACH	14	\$27.00	\$378.00
630	REMOVAL OF POLE MOUNTED SIGN AND DISPOSAL	FACH	6	\$54.00	\$324 0
630	REMOVAL OF POLE MOUNTED SIGN AND RESPECTION	EACH	1	637.00	4324.0C
630		CACH	1	\$27.00	\$27.00
644	EDGE LINE, D	MILE	1.1	\$5,940.00	\$6,534.0
644	LANE LINE, 6"	MILE	1	\$5,940.00	\$5,940.00
644	CENTER LINE	MILE	0.1	\$16,200.00	\$1,620.0
644	CHANNELIZING LINE, 8"	FT.	2346	\$2.43	\$5,700.78
644	STOP LINE	FT	194	\$8.64	\$1.676.1
644	CROSSWALKLINE	CT.	749	¢0.04	¢C 400 T
644		F1.	/40	<b>20.04</b>	20,402.74
044	IRANSVERSE/DIAGUNAL LINE	FT.	440	\$8.64	\$3,801.60
644	ISLAND MARKING	S.F.	70	\$5.40	\$378.00
644	SCHOOL SYMBOL MARKING, 96"	EACH	1	\$648.00	\$648.00
644	LANE ARROW	EACH	18	\$145.80	\$2.624.40
	TRAFFIC CONTROL CONSTRUCTION SUBTOTAL				\$58 009 41
					-30,006.42
	TRAFFIC SIGNALS				
	TRAFFIC SIGNALS	ET	100	\$27.00	\$2,700.00
611	TRAFFIC SIGNALS 4" CONDUIT, TYPE E	F1.		200	
611 625	TRAFFIC SIGNALS 4" CONDUIT, TYPE E BRACKET ARM, 10', AS PER PLAN	EACH	4	\$1,620.00	\$6,480.00
611 625 625	TRAFFIC SIGNALS 4" CONDUIT, TYPE E BRACKET ARM, 10', AS PER PLAN CONDUIT, 2", 725.051	EACH FT.	4 198	\$1,620.00 \$16.20	\$6,480.00 \$3,207.60
611 625 625 625	TRAFFIC SIGNALS           4" CONDUIT, TYPE E           BRACKET ARM, 10', AS PER PLAN           CONDUIT, 2", 725.051           CONDUIT, 3", 725.051	FT. EACH FT. FT.	4 198 46	\$1,620.00 \$16.20 \$37.80	\$6,480.00 \$3,207.60 \$1,738.90
611 625 625 625 625	TRAFFIC SIGNALS           4" CONDUIT, TYPE E           BRACKET ARM, 10', AS PER PLAN           CONDUIT, 2", 725.051           CONDUIT, 3", 725.051           CONDUIT, 3", 725.051	FT. FT. FT.	4 198 46	\$1,620.00 \$16.20 \$37.80	\$6,480.00 \$3,207.60 \$1,738.80
611 625 625 625 625	TRAFFIC SIGNALS           4" CONDUIT, TYPE E           BRACKET ARM, 10', AS PER PLAN           CONDUIT, 2", 725.051           CONDUIT, 3", 725.051           CONDUIT, 4", 725.051	FT. FT. FT. FT.	4 198 46 43	\$1,620.00 \$16.20 \$37.80 \$43.20	\$6,480.00 \$3,207.60 \$1,738.80 \$1,857.60
611 625 625 625 625 625 625	TRAFFIC SIGNALS           4" CONDUIT, TYPE E           BRACKET ARM, 10', AS PER PLAN           CONDUIT, 2", 725.051           CONDUIT, 4", 725.051           CONDUIT, 4", 725.051           CONDUIT, JACKED OR DRILLED, 725.052, AS PER PLAN, 4"	FT. EACH FT. FT. FT. FT.	4 198 46 43 339	\$1,620.00 \$16.20 \$37.80 \$43.20 \$75.60	\$6,480.00 \$3,207.60 \$1,738.80 \$1,857.60 \$25,628.40
611 625 625 625 625 625 625	TRAFFIC SIGNALS           4" CONDUIT, TYPE E           BRACKET ARM, 10', AS PER PLAN           CONDUIT, 2", 725.051           CONDUIT, 4", 725.051           CONDUIT, 4", 725.051           CONDUIT, 4", 725.051           CONDUIT, 4", 725.051           CONDUIT, 4CKED OR DRILLED, 725.052, AS PER PLAN, 4"           LUMINAIRE, DECORATIVE, AS PER PLAN, (STERNBERG)	FT. EACH FT. FT. FT. EACH	4 198 46 43 339 4	\$1,620.00 \$16.20 \$37.80 \$43.20 \$75.60 \$2,430.00	\$6,480.00 \$3,207.60 \$1,738.80 \$1,857.60 \$25,628.40 \$9,720.00
611 625 625 625 625 625 625 625 625	TRAFFIC SIGNALS 4" CONDUIT, TYPE E BRACKET ARM, 10', AS PER PLAN CONDUIT, 2", 725.051 CONDUIT, 3", 725.051 CONDUIT, A", 725.051 CONDUIT, JACKED OR DRILLED, 725.052, AS PER PLAN, 4" LUMINAIRE, DECORATIVE, AS PER PLAN, (STERNBERG) TRENCH	FT. EACH FT. FT. FT. EACH FT.	4 198 46 43 339 4 287	\$1,620.00 \$16.20 \$37.80 \$43.20 \$75.60 \$2,430.00 \$10.80	\$6,480.00 \$3,207.60 \$1,738.80 \$1,857.60 \$25,628.40 \$9,720.00 \$3,099.60
611 625 625 625 625 625 625 625 625 625	TRAFFIC SIGNALS 4" CONDUIT, TYPE E BRACKET ARM, 10', AS PER PLAN CONDUIT, 2", 725.051 CONDUIT, 4", 725.051 CONDUIT, 4", 725.051 CONDUIT, JACKED OR DRILLED, 725.052, AS PER PLAN, 4" LUMINAIRE, DECORATIVE, AS PER PLAN, (STERNBERG) TRENCH PULL BOX, 725.08, 18"	FT. FT. FT. FT. FT. EACH FT. FACH	4 198 46 43 339 4 287 2	\$1,620.00 \$16.20 \$37.80 \$43.20 \$75.60 \$2,430.00 \$10.80	\$6,480.00 \$3,207.60 \$1,738.80 \$1,857.60 \$25,628.40 \$9,720.00 \$3,099.60 \$2,908.00
611 625 625 625 625 625 625 625 625 625 625	TRAFFIC SIGNALS 4" CONDUIT, TYPE E BRACKET ARM, 10', AS PER PLAN CONDUIT, 2", 725.051 CONDUIT, 4", 725.051 CONDUIT, 4", 725.051 CONDUIT, JACKED OR DRILLED, 725.052, AS PER PLAN, 4" LUMINAIRE, DECORATIVE, AS PER PLAN, (STERNBERG) TRENCH PULL BOX, 725.08, 18"	FT. FT. FT. FT. FT. EACH FT. EACH	4 198 46 43 339 4 287 2	\$1,620.00 \$16.20 \$37.80 \$43.20 \$75.60 \$2,430.00 \$10.80 \$1,404.00	\$6,480.00 \$3,207.60 \$1,738.80 \$1,857.60 \$25,628.40 \$9,720.00 \$3,099.60 \$2,808.00
611 625 625 625 625 625 625 625 625 625 625	TRAFFIC SIGNALS           4" CONDUIT, TYPE E           BRACKET ARM, 10', AS PER PLAN           CONDUIT, 2", 725.051           CONDUIT, 4", 725.051           CONDUIT, 4", 725.051           CONDUIT, ACKED OR DRILLED, 725.052, AS PER PLAN, 4"           LUMINAIRE, DECORATIVE, AS PER PLAN, (STERNBERG)           TRENCH           PULL BOX, 725.08, 18"           PULL BOX, 725.08, 24"	FT. FT. FT. FT. FT. EACH FT. EACH EACH	4 198 46 43 339 4 287 2 3	\$1,620.00 \$16.20 \$37.80 \$43.20 \$75.60 \$2,430.00 \$10.80 \$1,404.00 \$1,728.00	\$6,480.00 \$3,207.60 \$1,738.80 \$1,857.60 \$25,628.40 \$9,720.00 \$3,099.60 \$2,808.00 \$5,184.00
611 625 625 625 625 625 625 625 625 625 625	TRAFFIC SIGNALS 4" CONDUIT, TYPE E BRACKET ARM, 10', AS PER PLAN CONDUIT, 2", 725.051 CONDUIT, 4", 725.051 CONDUIT, 4", 725.051 CONDUIT, JACKED OR DRILLED, 725.052, AS PER PLAN, 4" LUMINAIRE, DECORATIVE, AS PER PLAN, (STERNBERG) TRENCH PULL BOX, 725.08, 18" PULL BOX, 725.08, 24" GROUND ROD	FT. FT. FT. FT. FT. EACH FT. EACH EACH EACH	4 198 46 43 339 4 287 2 3 11	\$1,620.00 \$16.20 \$37.80 \$43.20 \$75.60 \$2,430.00 \$10.80 \$1,404.00 \$1,728.00 \$324.00	\$6,480.00 \$3,207.60 \$1,738.80 \$1,857.60 \$25,628.40 \$9,720.00 \$3,099.60 \$2,808.00 \$5,184.00 \$3,564.00
611 625 625 625 625 625 625 625 625 625 625	TRAFFIC SIGNALS 4" CONDUIT, TYPE E BRACKET ARM, 10', AS PER PLAN CONDUIT, 2", 725.051 CONDUIT, 4", 725.051 CONDUIT, 4", 725.051 CONDUIT, JACKED OR DRILLED, 725.052, AS PER PLAN, 4" LUMINAIRE, DECORATIVE, AS PER PLAN, (STERNBERG) TRENCH PULL BOX, 725.08, 18" PULL BOX, 725.08, 18" PULL BOX, 725.08, 14" PULL BOX, 725.08, 74" PULL BOX, 75.08, 74" PUL	FT. EACH FT. FT. FT. EACH FT. EACH EACH EACH FT.	4 198 46 43 339 4 287 2 3 11 287	\$1,620.00 \$16.20 \$37.80 \$43.20 \$75.60 \$2,430.00 \$10.80 \$1,404.00 \$1,728.00 \$3.24	\$6,480.00 \$3,207.60 \$1,738.80 \$1,857.60 \$25,628.40 \$3,099.60 \$2,808.00 \$5,184.00 \$3,564.00 \$3,564.00
611 625 625 625 625 625 625 625 625 625 625	TRAFFIC SIGNALS 4" CONDUIT, TYPE E BRACKET ARM, 10', AS PER PLAN CONDUIT, 2", 725.051 CONDUIT, 4", 725.051 CONDUIT, ACKED OR DRILLED, 725.052, AS PER PLAN, 4" LUMINAIRE, DECORATIVE, AS PER PLAN, (STERNBERG) TRENCH PULL BOX, 725.08, 18" PULL BOX, 725.08, 24" GROUND ROD PLASTIC CAUTION TAPE, UNDERGROUND WARNING/MARKING TAPE VEHICULAR SIGNAL HEAD, (LED), 3 SECTION, 12" LENS, 1-WAY, POLYCARBONATE, AS PER	FT. FT. FT. FT. FT. EACH FT. EACH EACH EACH FT.	4 198 46 43 339 4 287 2 3 11 287	\$1,620.00 \$16.20 \$37.80 \$43.20 \$75.60 \$2,430.00 \$10.80 \$1,404.00 \$1,728.00 \$324.00 \$324.00 \$324.00	\$6,480.00 \$3,207.60 \$1,738.80 \$25,628.40 \$9,720.00 \$3,099.60 \$2,808.00 \$5,184.00 \$3,564.00 \$929.88
611 625 625 625 625 625 625 625 625 625 625	TRAFFIC SIGNALS 4" CONDUIT, TYPE E BRACKET ARM, 10', AS PER PLAN CONDUIT, 2", 725.051 CONDUIT, 4", 725.051 CONDUIT, 4", 725.051 CONDUIT, 4KCED OR DRILLED, 725.052, AS PER PLAN, 4" LUMINAIRE, DECORATIVE, AS PER PLAN, (STERNBERG) TRENCH PULL BOX, 725.08, 18" PULL BOX, 725.08, 24" GROUND ROD PLASTIC CAUTION TAPE, UNDERGROUND WARNING/MARKING TAPE VEHICULAR SIGNAL HEAD, (LED), 3 SECTION, 12" LENS, 1-WAY, POLYCARBONATE, AS PER PLAN, (BLACK)	FT. EACH FT. FT. FT. EACH FT. EACH EACH FT. EACH	4 198 46 43 339 4 287 2 3 11 287 9	\$1,620.00 \$16.20 \$37.80 \$43.20 \$75.50 \$2,430.00 \$10.80 \$1,404.00 \$1,728.00 \$324.00 \$3.24 \$1,080.00	\$6,480.0C \$3,207.6C \$1,738.80 \$25,628.40 \$9,720.00 \$3,099.60 \$2,808.00 \$5,184.00 \$3,564.00 \$929.88 \$9,720.00
611 625 625 625 625 625 625 625 625 625 625	TRAFFIC SIGNALS 4" CONDUIT, TYPE E BRACKET ARM, 10', AS PER PLAN CONDUIT, 2", 725.051 CONDUIT, 3", 725.051 CONDUIT, 4", 725.051 CONDUIT, JACKED OR DRILLED, 725.052, AS PER PLAN, 4" LUMINAIRE, DECORATIVE, AS PER PLAN, (STERNBERG) TRENCH PULL BOX, 725.08, 18" PULL BOX, 725.08, 72" PULL BOX, 72" PUL BOX, 725.08, 72" PUL BOX, 72" PUL BOX, 72" PUL BOX, 72" PUL BOX, 72" PUL BOX, 72" PUL BOX, 72" P	FT. FT. FT. FT. FT. EACH EACH EACH FT. EACH	4 198 46 43 339 4 287 2 3 11 287 9	\$1,620.00 \$16.20 \$37.80 \$43.20 \$75.60 \$2,430.00 \$10.80 \$1,728.00 \$3,24 \$3,24	\$6,480.00 \$3,207.60 \$1,738.80 \$1,857.60 \$25,628.40 \$9,720.00 \$3,099.60 \$2,808.00 \$5,184.00 \$3,564.00 \$929.88 \$9,720.00
611 625 625 625 625 625 625 625 625 625 625	TRAFFIC SIGNALS 4" CONDUIT, TYPE E BRACKET ARM, 10', AS PER PLAN CONDUIT, 2", 725.051 CONDUIT, 4", 725.051 CONDUIT, 4", 725.051 CONDUIT, 4", 725.051 CONDUIT, 4", 725.051 CONDUIT, 4", 725.051 CONDUIT, 4CKED OR DRILLED, 725.052, AS PER PLAN, 4" LUMINAIRE, DECORATIVE, AS PER PLAN, (STERNBERG) TRENCH PULL BOX, 725.08, 18" PULL BOX, 725.08, 18" PULL BOX, 725.08, 24" GROUND ROD PLASTIC CAUTION TAPE, UNDERGROUND WARNING/MARKING TAPE VEHICULAR SIGNAL HEAD, (LED), 3 SECTION, 12" LENS, 1-WAY, POLYCARBONATE, AS PER PLAN, (BLACK) VEHICULAR SIGNAL HEAD, (LED), 4 SECTION, 12" LENS, 1-WAY, POLYCARBONATE, AS PER PLAN, (BLACK)	FT. EACH FT. FT. FT. EACH FT. EACH FT. EACH EACH	4 198 46 43 339 4 287 2 3 11 287 9 2	\$1,620.00 \$16.20 \$37.80 \$43.20 \$75.60 \$2,430.00 \$1,404.00 \$1,728.00 \$324.00 \$324.00 \$3.24 \$1,080.00 \$1,404.00	\$6,480.00 \$3,207.60 \$1,738.80 \$25,628.40 \$9,720.00 \$3,099.60 \$2,808.00 \$5,184.00 \$3,564.00 \$3,564.00 \$929.88 \$9,720.00 \$2,808.00
611 625 625 625 625 625 625 625 625 625 625	TRAFFIC SIGNALS 4" CONDUIT, TYPE E BRACKET ARM, 10', AS PER PLAN CONDUIT, 2", 725.051 CONDUIT, 4", 725.051 CONDUIT, 4", 725.051 CONDUIT, 4KCED OR DRILLED, 725.052, AS PER PLAN, 4" LUMINAIRE, DECORATIVE, AS PER PLAN, (STERNBERG) TRENCH PULL BOX, 725.08, 18" PULL BOX, 725.08, 18" PULL BOX, 725.08, 24" GROUND ROD PLASTIC CAUTION TAPE, UNDERGROUND WARNING/MARKING TAPE VEHICULAR SIGNAL HEAD, (LED), 3 SECTION, 12" LENS, 1-WAY, POLYCARBONATE, AS PER PLAN, (BLACK) VEHICULAR SIGNAL HEAD, (LED), 4 SECTION, 12" LENS, 1-WAY, POLYCARBONATE, AS PER PLAN, (BLACK)	FI. EACH FT. FT. FT. FT. EACH EACH EACH EACH EACH EACH	4 198 46 43 339 4 287 2 3 11 287 9 2 2 8	\$1,620.00 \$16.20 \$37.80 \$43.20 \$75.50 \$2,430.00 \$10.80 \$1,404.00 \$324.00 \$3.24 \$1,080.00 \$1,404.00 \$372 nn	\$6,480.00 \$3,207.60 \$1,738.80 \$25,628.40 \$9,720.00 \$2,808.00 \$2,808.00 \$3,564.00 \$3,564.00 \$929.88 \$9,720.00 \$2,2808.00 \$2,2808.00
611 625 625 625 625 625 625 625 625 625 625	TRAFFIC SIGNALS 4" CONDUIT, TYPE E BRACKET ARM, 10', AS PER PLAN CONDUIT, 2", 725.051 CONDUIT, 4", 725.051	EACH FT. FT. FT. FT. EACH EACH EACH EACH EACH EACH	4 198 46 43 339 4 287 2 3 11 287 9 2 8 11	\$1,620.00 \$16.20 \$37.80 \$43.20 \$75.60 \$2,430.00 \$10.80 \$1,728.00 \$324.00 \$3.24 \$1,080.00 \$1,404.00 \$372.00 \$1,404.00 \$1,404.00	\$6,480.00 \$3,207.60 \$1,738.80 \$1,857.60 \$25,628.40 \$3,099.60 \$2,808.00 \$5,184.00 \$3,564.00 \$929.88 \$9,720.00 \$2,808.00 \$7,776.00 \$2,808.00 \$7,776.00
611 525 525 525 525 525 525 525 525 525 5	TRAFFIC SIGNALS 4" CONDUIT, TYPE E BRACKET ARM, 10', AS PER PLAN CONDUIT, 2", 725.051 CONDUIT, 4", 725.051 CONDUIT, 4", 725.051 CONDUIT, 4", 725.051 CONDUIT, 4", 725.051 CONDUIT, 4CKED OR DRILLED, 725.052, AS PER PLAN, 4" LUMINAIRE, DECORATIVE, AS PER PLAN, (STERNBERG) TRENCH PULL BOX, 725.08, 18" PULL BOX, 725.08, 18" PULL BOX, 725.08, 24" GROUND ROD PLASTIC CAUTION TAPE, UNDERGROUND WARNING/MARKING TAPE VEHICULAR SIGNAL HEAD, (LED), 3 SECTION, 12" LENS, 1-WAY, POLYCARBONATE, AS PER PLAN, (BLACK) VEHICULAR SIGNAL HEAD, (LED), 4 SECTION, 12" LENS, 1-WAY, POLYCARBONATE, AS PER PLAN, (BLACK) PEDESTRIAN SIGNAL HEAD (LED), TYPE D2, COUNTDOWN, AS PER PLAN COVERING OF VEHICULAR SIGNAL HEAD	FI. EACH FT. FT. FT. FT. EACH EACH EACH EACH EACH EACH EACH EACH	4 198 46 43 339 4 287 2 3 11 287 9 2 8 11	\$1,620.00 \$16.20 \$37.80 \$43.20 \$75.60 \$2,430.00 \$1,404.00 \$1,728.00 \$324.00 \$324.00 \$3.24 \$1,080.00 \$1,404.00 \$1,404.00 \$972.00 \$108.00	\$6,480.0 \$3,207.6 \$1,738.8 \$1,857.6 \$25,628.44 \$9,720.00 \$5,184.00 \$3,564.00 \$3,564.00 \$9,720.00 \$2,808.00 \$7,776.00 \$1,188.00
611 625 625 625 625 625 625 625 625 625 532 532 532 532 532	TRAFFIC SIGNALS 4" CONDUIT, TYPE E BRACKET ARM, 10', AS PER PLAN CONDUIT, 2", 725.051 CONDUIT, 4", 725.051 CONDUIT, 4", 725.051 CONDUIT, 4KCED OR DRILLED, 725.052, AS PER PLAN, 4" LUMINAIRE, DECORATIVE, AS PER PLAN, (STERNBERG) TRENCH PULL BOX, 725.08, 18" PULL BOX, 725.08, 18" PULL BOX, 725.08, 24" GROUND ROD PLASTIC CAUTION TAPE, UNDERGROUND WARNING/MARKING TAPE VEHICULAR SIGNAL HEAD, (LED), 3 SECTION, 12" LENS, 1-WAY, POLYCARBONATE, AS PER PLAN, (BLACK) VEHICULAR SIGNAL HEAD, (LED), 4 SECTION, 12" LENS, 1-WAY, POLYCARBONATE, AS PER PLAN, (BLACK) VEHICULAR SIGNAL HEAD, (LED), 4 SECTION, 12" LENS, 1-WAY, POLYCARBONATE, AS PER PLAN, (BLACK) VEDESTRIAN SIGNAL HEAD (LED), TYPE D2, COUNTDOWN, AS PER PLAN COVERING OF VEHICULAR SIGNAL HEAD COVERING OF PEDESTRIAN SIGNAL HEAD	FI. EACH FT. FT. FT. EACH FT. EACH EACH EACH EACH EACH EACH	4 198 46 43 339 4 287 2 3 11 287 9 2 8 11 8	\$1,620.00 \$16.20 \$37.80 \$43.20 \$75.50 \$2,430.00 \$10.80 \$1,404.00 \$3,24 \$1,080.00 \$1,404.00 \$372.00 \$1,404.00 \$372.00 \$1,404.00 \$1,404.00 \$1,54.00	\$6,480.00 \$3,207.60 \$1,738.80 \$1,857.60 \$25,628.40 \$3,099.60 \$2,808.00 \$5,184.00 \$3,564.00 \$3,564.00 \$9,720.00 \$2,808.00 \$7,776.00 \$1,188.00 \$432.00

SIGNAL CABLE, 3 CONDUCTOR, NO. 12 AWG SIGNAL CABLE, 3 CONDUCTOR, NO. 14 AWG SIGNAL CABLE, 5 CONDUCTOR, NO. 14 AWG SIGNAL CABLE, 7 CONDUCTOR, NO. 14 AWG SIGNAL CABLE, 7 CONDUCTOR, NO. 14 AWG SIGNAL SUPPORT, FUNDATION, AS PER PLAN POESTAL FOUNDATION POWER CABLE, 3 CONDUCTOR, NO. 6 AWG POWER CABLE, 3 CONDUCTOR, NO. 6 AWG POWER CABLE, 3 CONDUCTOR, NO. 6 AWG POWER SERVICE, AS PER PLAN SIGNAL SUPPORT, MISC.: COMBINATION SIGNAL SUPPORT, TYPE TC-81.22, DESIGN 12 SIGNAL SUPPORT, MISC.: COMBINATION SIGNAL SUPPORT, TYPE TC-81.22, DESIGN 12 SIGNAL SUPPORT, MISC.: COMBINATION SIGNAL SUPPORT, TYPE TC-81.22, DESIGN 14 PEDESTAL, S', TRANSFORMER BASE, AS PER PLAN PEDESTAL, S', TRANSFORMER BASE, AS PER PLAN SIGNAL SUPPORT, MISC.: COMBINATION, SIGNAL SUPPORT, TYPE TC-81.22, DESIGN 14 PEDESTAL, S', TRANSFORMER BASE, AS PER PLAN SIGNAL SUPPORT, MISC.: COMBINATION, SIGNAL SUPPORT, TYPE TC-81.22, DESIGN 14 PEDESTAL, S', TRANSFORMER BASE, AS PER PLAN SIGNAL SUPPORT, MISC.: COMBINATION, SIGNAL SUPPORT, TYPE TC-81.22, DESIGN 14 PEDESTAL, S', TRANSFORMER BASE, AS PER PLAN SIGNAL SUPPORT, MISC.: COMBINATION, SIGNAL SUPPORT, TYPE TC-81.22, DESIGN 14 PEDESTAL, S', TRANSFORMER BASE, AS PER PLAN SIGNAL SUPPORT, MISC.: COMBINATION, SIGNAL SUPPORT, TYPE TC-81.22, DESIGN 14 PEDESTAL, S', TRANSFORMER BASE, AS PER PLAN SUPPORT, MISC.: COMBINATION, SIGNAL SUPPORT, TYPE TC-81.22, DESIGN 14 PEDESTAL, S', TRANSFORMER BASE, AS PER PLAN SUPPORT, MISC.: COMBINATION, SIGNAL SUPPORT, TYPE TC-81.22, DESIGN 14 SUPPORT, SIGNAL SUPPORT, MISC.: COMBINER SUPPORT, MISC. SUPPORT, SUPPORT, SUPPARES, SUPPARS, SUP	FT. FT. FT. EACH EACH EACH EACH EACH EACH EACH EACH	770 1370 1374 1358 1 4 6 11 1 1 1 1 2 4 1 1 1 1 2 4 1 1 1 2 4 1 1 3375	\$3.24 \$3.51 \$3.78 \$4.32 \$1,620.00 \$9,180.00 \$1,620.00 \$1,620.00 \$4,320.00 \$25,380.00 \$30,240.00 \$30,240.00 \$30,240.00 \$1,620.00 \$1,7280.00 \$1,7280.00 \$1,7280.00 \$3,7560.00 \$9,720.00	\$2,494.80 \$4,808.70 \$5,193.72 \$5,866.55 \$1,620.00 \$36,720.00 \$1,188.00 \$25,380.00 \$26,8080.00 \$3,240.00 \$3,240.00 \$3,240.00 \$3,240.00 \$3,240.00 \$1,7280.00 \$1,7280.00 \$1,620.00 \$1,7280.00 \$1,620.00 \$1,7280.00 \$1,620.00 \$1,7280.00 \$1,620.00 \$1,7280.00 \$1,
SIGNAL CABLE, 3 CONDUCTOR, NO. 14 AWG SIGNAL CABLE, 5 CONDUCTOR, NO. 14 AWG SIGNAL CABLE, 5 CONDUCTOR, NO. 14 AWG SIGNAL CABLE, 7 CONDUCTOR, NO. 14 AWG INTERCONNECT, MISC.: SPREAD SPECTRUM RADIO UNIT REMOVED AND REINSTALLED SIGNAL SUPPORT FOUNDATION, AS PER PLAN PEDESTAL FOUNDATION POWER CABLE, 3 CONDUCTOR, NO. 6 AWG POWER SERVICE, AS PER PLAN SIGNAL SUPPORT, MISC.: COMBINATION SIGNAL SUPPORT, TYPE TC-81.22, DESIGN 12 SIGNAL SUPPORT, MISC.: COMBINATION SIGNAL SUPPORT, TYPE TC-81.22, DESIGN 13 SIGNAL SUPPORT, MISC.: COMBINATION SIGNAL SUPPORT, TYPE TC-81.22, DESIGN 14 PEDESTAL, S', TRANSFORMER BASE, AS PER PLAN YEDESTAL, S', TRANSFORMER BASE, AS PER PLAN YOUNCE ADAR DETECTION, AS PER PLAN TOP LINE RADAR DETECTION, AS PER PLAN TOP LINE RADAR DETECTION, AS PER PLAN YERFORMED EXCAVATION POXY COATED REINFORCING STEEL LASS OCI CONCRETE SURFACES (EPOXY-URETHANE) "PREFORMED EXPANSION JOINT FILLER	FT. FT. FT. EACH EACH EACH EACH EACH EACH EACH EACH	1370 1374 1358 1 4 6 110 1 1 1 1 2 4 1 1 1 1 2 4 1 1 1 2 4 1 1 3375	\$3.51 \$3.78 \$4.32 \$1,620.00 \$9,180.00 \$1,620.00 \$4,320.00 \$25,380.00 \$28,080.00 \$30,240.00 \$1,620.00 \$1,620.00 \$3,780.00 \$3,780.00 \$7,750.00 \$9,720.00	\$4,808.70 \$5,193.72 \$5,866.56 \$1,620.00 \$9,720.00 \$4,320.00 \$28,080.00 \$28,080.00 \$3,240.00 \$3,240.00 \$3,240.00 \$3,240.00 \$1,620.00 \$1,7280.00 \$1,620.00 \$1,756.00 \$1,620.00 \$3,880.00 \$3,880.00 \$3,880.00 \$3,720.00 \$3,880.00 \$3,720.00 \$3,880.00 \$3,700.00 \$3,700.00
SIGNAL CABLE, 5 CONDUCTOR, NO. 14 AWG SIGNAL CABLE, 7 CONDUCTOR, NO. 14 AWG SIGNAL CABLE, 7 CONDUCTOR, NO. 14 AWG INTERCONNECT, MISC.: SPREAD SPECTRUM RADIO UNIT REMOVED AND REINSTALLED SIGNAL SUPPORT FOUNDATION, AS PER PLAN PEDESTAL FOUNDATION POWER CABLE, 3 CONDUCTOR, NO. 6 AWG POWER SERVICE, AS PER PLAN SIGNAL SUPPORT, MISC.: COMBINATION SIGNAL SUPPORT, TYPE TC-81.22, DESIGN 12 SIGNAL SUPPORT, MISC.: COMBINATION SIGNAL SUPPORT, TYPE TC-81.22, DESIGN 13 SIGNAL SUPPORT, MISC.: COMBINATION SIGNAL SUPPORT, TYPE TC-81.22, DESIGN 14 VEDESTAL, S', TRANSFORMER BASE, AS PER PLAN VEDESTAL, S', TRANSFORMER BASE, AS PER PLAN VEDESTAL, S', TRANSFORMER BASE, AS PER PLAN VEDESTAL, S', TRANSFORMER BASE, AS PER PLAN VEDOSTAL, S', TRANSFORMER SUPPLY (UPS), 1000 WATT, AS PER PLAN VANCE RADAR DETECTION, AS PER PLAN VOVANCE RADAR DETECTION, AS PER PLAN VOVANCE RADAR DETECTION, AS PER PLAN VITC VG.24 CONTROLLER (ATC CONTROLLER, AS PER PLAN) <b>TRAFFIC SIGNALS CONSTRUCTON SUBTOTAL</b> <b>VERTINING WALLS</b> VICLASSIFIED EXCAVATION POXY COATED REINFORCING STEEL LASS QC1 CONCRETE, SURFACES (EPOXY-URETHANE) "PREFORMED EXPANSION JOINT FILLER	FT. FT. EACH EACH EACH FT. EACH EACH EACH EACH EACH EACH EACH EACH	1374 1358 1 4 6 110 1 1 1 2 2 4 1 1 1 1 2 4 1 1 1 2 4 1 1 3375	\$3.78 \$4.32 \$1,620.00 \$9,180.00 \$1,620.00 \$1,620.00 \$4,320.00 \$28,808.00 \$30,240.00 \$1,620.00 \$1,620.00 \$1,7280.00 \$1,7280.00 \$1,7280.00 \$3,780.00 \$1,560.00 \$9,720.00 \$7,720.00	\$5,193.72 \$5,866.56 \$1,620.00 \$9,720.00 \$1,188.00 \$4,320.00 \$25,380.00 \$25,380.00 \$3,240.00 \$3,240.00 \$3,240.00 \$3,240.00 \$1,7280.00 \$1,7280.00 \$1,620.00 \$1,620.00 \$1,620.00 \$1,620.00 \$1,620.00 \$1,620.00 \$1,620.00 \$1,620.00 \$1,620.00 \$1,620.00 \$1,620.00 \$1,7280.00 \$1,620.00 \$1,620.00 \$1,620.00 \$1,620.00 \$1,7280
SIGNAL CABLE, 7 CONDUCTOR, NO. 14 AWG INTERCONNECT, MISC.: SPREAD SPECTRUM RADIO UNIT REMOVED AND REINSTALLED SIGNAL SUPPORT FOUNDATION, AS PER PLAN POWER CABLE, 3 CONDUCTOR, NO. 6 AWG POWER CABLE, 3 CONDUCTOR, NO. 6 AWG POWER SERVICE, AS PER PLAN SIGNAL SUPPORT, MISC.: COMBINATION SIGNAL SUPPORT, TYPE TC-81.22, DESIGN 12 SIGNAL SUPPORT, MISC.: COMBINATION SIGNAL SUPPORT, TYPE TC-81.22, DESIGN 13 SIGNAL SUPPORT, MISC.: COMBINATION SIGNAL SUPPORT, TYPE TC-81.22, DESIGN 14 PEDESTAL, 5', TRANSFORMER BASE, AS PER PLAN PEDESTAL, 5', TRANSFORMER BASE, AS PER PLAN PODUTATOR TOON POST CONCRETE SUPPLY (UPS), 1000 WATT, AS PER PLAN TOP LINE RADAR DETECTION, AS PER PLAN TOY LINE RADAR DETECTION, AS PER PLAN TOY CONTROLLER (ATC CONTROLLER, AS PER PLAN) <b>TRAFFIC SIGNALS CONSTRUCTION SUBTOTAL</b> <b>IETAINING WALLS</b> INCLASSIFIED EXCAVATION POXY COATED REINFORCING STEEL LASS QC1 CONCRETE SURFACES (EPOXY-URETHANE) "PREFORMED EXPANSION JOINT FILLER	FT. EACH EACH EACH EACH EACH EACH EACH EACH	1358 1 4 6 110 1 1 1 1 2 4 1 1 1 2 4 1 1 3375	\$4.32 \$1,620.00 \$9,180.00 \$1,620.00 \$1,620.00 \$25,380.00 \$25,380.00 \$30,240.00 \$30,240.00 \$1,620.00 \$1,620.00 \$1,7,280.00 \$1,7,280.00 \$1,7,280.00 \$1,7,280.00 \$1,7,260.00 \$9,720.00 \$7,720.00	\$5,866.56 \$1,620.00 \$36,720.00 \$9,720.00 \$1,188.00 \$25,380.00 \$26,808.00 \$3,240.00 \$3,240.00 \$3,240.00 \$3,240.00 \$1,7280.00 \$1,7280.00 \$1,620.00 \$1,7560.00 \$19,440.00 \$38,880.00 \$19,440.00 \$38,880.00 \$17,260.00 \$38,880.00 \$17,260.00 \$38,880.00 \$17,260.00 \$38,880.00 \$17,260.00 \$38,880.00 \$17,020.00 \$38,880.00 \$17,020.00 \$38,880.00 \$17,020.00 \$38,880.00 \$17,020.00 \$38,880.00 \$17,020.00 \$38,880.00 \$17,020.00 \$38,880.00 \$17,020.00 \$13,020.00 \$13,020.00 \$14,000 \$14,000\$14,000\$
INTERCONNECT, MISC.: SPREAD SPECTRUM RADIO UNIT REMOVED AND REINSTALLED SIGNAL SUPPORT FOUNDATION, AS PER PLAN PREDESTAL FOUNDATION OWER CABLE, 3 CONDUCTOR, NO. 6 AWG POWER SERVICE, AS PER PLAN SIGNAL SUPPORT, MISC.: COMBINATION SIGNAL SUPPORT, TYPE TC-81.22, DESIGN 12 PEDESTAL, S', TRANSFORMER BASE, AS PER PLAN VEDESTAL, S', TRANSFORMER BASE, AS PER PLAN SEMINET, TYPE TS-2, AS PER PLAN SABINET FOUNDATION CONTROLLER WORK PAD, AS PER PLAN CONTROLLER WORK PAD, AS PER PLAN TOP LINE RADAR DETECTION, SUBTOTAL <b>IETAINING WALLS</b> INCLASSIFIED EXCAVATION POXY COATED REINFORCING STEEL LASS QC1 CONCRETE, SURFACES (EPOXY-URETHANE) " PREFORMED EXPANSION JOINT FILLER	EACH EACH EACH EACH EACH EACH EACH EACH	1 4 6 1100 1 1 1 1 2 4 1 1 1 2 4 1 1 3375	\$1,620.00 \$9,180.00 \$1,620.00 \$1,620.00 \$4,320.00 \$25,380.00 \$28,080.00 \$30,240.00 \$1,620.00 \$1,620.00 \$3,780.00 \$1,620.00 \$7,560.00 \$9,720.00 \$7,720.00	\$1,620.00 \$36,720.00 \$1,188.00 \$4,320.00 \$25,380.00 \$28,080.00 \$3,240.00 \$3,240.00 \$3,240.00 \$3,240.00 \$3,780.00 \$1,620.00 \$1,7,560.00 \$1,620.00 \$1,7,560.00 \$1,9440.00 \$38,880.00 \$37,260.00 \$38,880.00 \$37,020.00 \$39,4377.66
SIGNAL SUPPORT FOUNDATION, AS PER PLAN PEDESTAL FOUNDATION POWER CABLE, 3 CONDUCTOR, NO. 6 AWG POWER SERVICE, AS PER PLAN SIGNAL SUPPORT, MISC.: COMBINATION SIGNAL SUPPORT, TYPE TC-81.22, DESIGN 12 SIGNAL SUPPORT, MISC.: COMBINATION SIGNAL SUPPORT, TYPE TC-81.22, DESIGN 12 SIGNAL SUPPORT, MISC.: COMBINATION SIGNAL SUPPORT, TYPE TC-81.22, DESIGN 13 SIGNAL SUPPORT, MISC.: COMBINATION SIGNAL SUPPORT, TYPE TC-81.22, DESIGN 14 PEDESTAL, S', TRANSFORMER BASE, AS PER PLAN VEDOSTAL, S', TRANSFORMER BASE, AS PER PLAN VEMOVAL OF TRAFFIC SIGNAL INSTALLATION, AS PER PLAN VEMOVAL OF TRAFFIC SIGNAL INSTALLATION, AS PER PLAN VEMOVAL OF TRAFFIC SIGNAL SUPPORT, TYPE TS-2, AS PER PLAN VEMOVAL OF TRAFFIC SIGNAL SUPPORT VEMOVAL OF TRAFFIC SIGNAL INSTALLATION, AS PER PLAN VEMOVAL OF TRAFFIC SIGNAL SUPPORT VEMOVAL SUPPORT VEMOVAL SUPPORT, SUPPORT VEMOVAL SUPPORT, SUPPORT VEMOVAL SUPPORT, SUPPORT VEMOVAL SUPPORT, SUPPORT VEMOVAL SUPPORT, SUPPORT VEMOVAL SUPPORT, SUPPORT VEMOVAL SUPPOR	EACH EACH FT. EACH EACH EACH EACH EACH EACH EACH EACH	4 6 110 1 1 2 2 4 1 1 1 1 1 2 4 1 1 3375	\$9,180.00 \$1,620.00 \$10.80 \$4,320.00 \$25,380.00 \$30,240.00 \$1,620.00 \$3,780.00 \$1,7280.00 \$1,7280.00 \$3,780.00 \$1,720.00 \$9,720.00 \$7,020.00	\$36,720.00 \$36,720.00 \$9,720.00 \$1,188.00 \$25,380.00 \$25,380.00 \$3,240.00 \$3,240.00 \$5,940.00 \$17,280.00 \$17,280.00 \$17,560.00 \$19,440.00 \$19,400.00 \$19,400.00 \$19,400.00 \$19,400.00 \$19,400.00 \$19,400.00 \$19,400.00 \$19,400.00 \$19,400 \$19,400.00 \$10,0000\$10,0000\$10,000\$10,000\$10,000\$10,000\$10,000
PEDESTAL FOUNDATION POWER CABLE, 3 CONDUCTOR, NO. 6 AWG POWER SERVICE, AS PER PLAN SIGNAL SUPPORT, MISC.: COMBINATION SIGNAL SUPPORT, TYPE TC-81.22, DESIGN 12 SIGNAL SUPPORT, MISC.: COMBINATION SIGNAL SUPPORT, TYPE TC-81.22, DESIGN 13 SIGNAL SUPPORT, MISC.: COMBINATION SIGNAL SUPPORT, TYPE TC-81.22, DESIGN 14 PEDESTAL, 5', TRANSFORMER BASE, AS PER PLAN PEDESTAL, 5', TRANSFORMER BASE, AS PER PLAN PEDESTAL, 8', TRANSFORMER SUPPLY (UPS), 1000 WATT, AS PER PLAN NOVANCE RADAR DETECTION, AS PER PLAN TOP LINE RADAR DETECTION, SUBTOTAL <b>PETAINING WALLS</b> INCLASSIFIED EXCAVATION POXY COATED REINFORCING STEEL LASS QC1 CONCRETE SURFACES (EPOXY-URETHANE) " PREFORMED EXPANSION JOINT FILLER	EACH FT. EACH EACH EACH EACH EACH EACH EACH EACH	6 110 1 1 2 2 4 1 1 1 1 1 2 4 1 1 3375	\$1,620.00 \$10.80 \$4,320.00 \$25,380.00 \$30,240.00 \$1,620.00 \$1,620.00 \$1,7,280.00 \$1,7,280.00 \$1,7,280.00 \$1,7,280.00 \$1,7,280.00 \$3,780.00 \$3,780.00 \$3,720.00	\$9,720.00 \$1,188.00 \$4,320.00 \$25,380.00 \$60,480.00 \$3,240.00 \$9,720.00 \$17,280.00 \$17,280.00 \$17,280.00 \$17,560.00 \$19,440.00 \$38,880.00 \$19,440.00 \$38,880.00 \$19,440.00 \$38,880.00 \$19,440.00 \$38,880.00 \$19,440.00 \$38,880.00 \$19,440.00 \$38,880.00 \$19,440.00 \$38,880.00 \$19,440.00 \$38,880.00 \$19,440.00 \$19,400 \$19,400.00 \$10,400.
POWER CABLE, 3 CONDUCTOR, NO. 6 AWG POWER CABLE, 3 CONDUCTOR, NO. 6 AWG POWER SERVICE, AS PER PLAN SIGNAL SUPPORT, MISC.: COMBINATION SIGNAL SUPPORT, TYPE TC-81.22, DESIGN 12 SIGNAL SUPPORT, MISC.: COMBINATION SIGNAL SUPPORT, TYPE TC-81.22, DESIGN 13 SIGNAL SUPPORT, MISC.: COMBINATION SIGNAL SUPPORT, TYPE TC-81.22, DESIGN 14 PEDESTAL, 5', TRANSFORMER BASE, AS PER PLAN PEDESTAL, 8', TRANSFORMER BASE, AS PER PLAN MEMOVAL OF TRAFFIC SIGNAL INSTALLATION, AS PER PLAN CABINET, TYPE TS-2, AS PER PLAN CABINET, TYPE TS-2, AS PER PLAN CONTROLLER WORK PAD, AS PER PLAN CONTROLLER WORK PAD, AS PER PLAN TOP LINE RADAR DETECTION, SAS PER PLAN TOP LINE RADAR DETECTION, SER LINE LINE LINE LINE LINE LINE LINE LINE	FT. EACH EACH EACH EACH EACH EACH EACH EACH	100 1 1 1 2 4 1 1 1 1 1 2 4 1 1 1 1 1 1 1 1 1 1 1 1 1	\$1,020,00 \$10,80 \$4,320,00 \$25,380,00 \$30,240,00 \$1,620,00 \$1,620,00 \$1,7,280,00 \$1,7,280,00 \$1,7,280,00 \$1,7,280,00 \$1,620,00 \$7,7560,00 \$7,720,00	\$1,188.00 \$4,320.00 \$25,380.00 \$28,080.00 \$3,240.00 \$3,240.00 \$1,7280.00 \$1,7280.00 \$1,620.00 \$1,620.00 \$1,620.00 \$1,620.00 \$1,9440.00 \$38,880.00 \$38,880.00 \$37,020.00 \$394,377.66
OWER SERVICE, AS PER PLAN SIGNAL SUPPORT, MISC.: COMBINATION SIGNAL SUPPORT, TYPE TC-81.22, DESIGN 12 SIGNAL SUPPORT, MISC.: COMBINATION SIGNAL SUPPORT, TYPE TC-81.22, DESIGN 13 SIGNAL SUPPORT, MISC.: COMBINATION SIGNAL SUPPORT, TYPE TC-81.22, DESIGN 14 YEDESTAL, 5', TRANSFORMER BASE, AS PER PLAN YEDESTAL, 5', TRANSFORMER BASE, AS PER PLAN YENT STALE YEDESTAL, 5', TRANSFORMER YER YER YER YER YER YER YER YER YER YER	EACH EACH EACH EACH EACH EACH EACH EACH	10 1 1 1 2 4 1 1 1 1 2 4 1 1 1 2 4 1 1 1 1 2 4 1 1 1 1 2 4 1 1 1 2 4 1 1 1 2 4 1 1 1 1 2 4 1 1 1 1 1 2 4 1 1 1 1 1 1 1 1 1 1 1 1 1	510.80 \$4,320.00 \$25,380.00 \$28,080.00 \$30,240.00 \$1,620.00 \$1,540.00 \$1,750.00 \$3,780.00 \$7,750.00 \$9,720.00 \$7,020.00	\$4,148.00 \$4,320.00 \$25,380.00 \$28,080.00 \$3,240.00 \$3,240.00 \$3,740.00 \$3,780.00 \$1,620.00 \$1,6
SIGNAL SUPPORT, MISC.: COMBINATION SIGNAL SUPPORT, TYPE TC-81.22, DESIGN 12 SIGNAL SUPPORT, MISC.: COMBINATION SIGNAL SUPPORT, TYPE TC-81.22, DESIGN 13 SIGNAL SUPPORT, MISC.: COMBINATION SIGNAL SUPPORT, TYPE TC-81.22, DESIGN 14 PEDESTAL, 5', TRANSFORMER BASE, AS PER PLAN PEDESTAL, 8', TRANSFORMER BASE, AS PER PLAN REMOVAL OF TRAFFIC SIGNAL INSTALLATION, AS PER PLAN REMOVAL OF TRAFFIC SIGNAL INSTALLATION, AS PER PLAN ABINET, TYPE TS-2, AS PER PLAN CONTROLLER WORK PAD, AS PER PLAN NUMITERRUPTIBLE POWER SUPPLY (UPS), 1000 WATT, AS PER PLAN IDVANCE RADAR DETECTION, AS PER PLAN TOP LINE RADAR DETECTION, STER PLAN TOP LINE RADAR DETECTION, STER PLAN TOP LINE RADAR DETECTION, STER PLAN TOP LINE RADAR DETECTION, STEEL LASS QC1 CONCRETE, RETAINING/WINGWALL INCLUDING FOOTING EALING OF CONCRETES, RETAINING/WINGWALL INCLUDING FOOTING PREFORMED EXPANSION JOINT FILLER	EACH EACH EACH EACH EACH EACH EACH EACH	1 1 2 2 4 1 1 1 1 1 2 4 1 3375	\$4,320.00 \$25,380.00 \$30,240.00 \$1,620.00 \$5,940.00 \$1,7280.00 \$1,7280.00 \$1,7280.00 \$1,720.00 \$9,720.00 \$7,020.00	\$4,320.00 \$25,380.00 \$28,080.00 \$60,480.00 \$3,240.00 \$5,940.00 \$17,280.00 \$17,280.00 \$17,280.00 \$17,560.00 \$19,440.00 \$19,400.00 \$19,400.00 \$19,400.00 \$19,400.00 \$19,400.00 \$19,400.00 \$19,400 \$19,400.00 \$10,400.00 \$10,40
SIGNAL SUPPORT, MISC.: COMBINATION SIGNAL SUPPORT, TYPE TC-81.22, DESIGN 12 SIGNAL SUPPORT, MISC.: COMBINATION SIGNAL SUPPORT, TYPE TC-81.22, DESIGN 13 SIGNAL SUPPORT, MISC.: COMBINATION SIGNAL SUPPORT, TYPE TC-81.22, DESIGN 14 PEDESTAL, 5', TRANSFORMER BASE, AS PER PLAN PEDESTAL, 5', TRANSFORMER BASE, AS PER PLAN WEMOYAL OF TRAFFIC SIGNAL INSTALLATION, AS PER PLAN CABINET, TYPE TS-2, AS PER PLAN CABINET, TYPE TS-2, AS PER PLAN CABINET FOUNDATION CONTROLLER WORK PAD, AS PER PLAN CABINET FOUNDATION CONTROLLER WORK PAD, AS PER PLAN TOP LINE RADAR DETECTION, STEEL LASS QCI CONCRETE SURFACES (EPOXY-URETHANE) " PREFORMED EXPANSION JOINT FILLER	EACH EACH EACH EACH EACH EACH EACH EACH	1 1 2 4 1 1 1 1 2 4 1 2 4 1 3375	\$25,380.00 \$28,080.00 \$30,240.00 \$1,620.00 \$2,430.00 \$1,7,280.00 \$1,7,280.00 \$1,7,280.00 \$1,7,280.00 \$1,620.00 \$9,720.00 \$9,720.00 \$7,020.00	\$25,380.00 \$28,080.00 \$60,480.00 \$3,240.00 \$9,720.00 \$17,280.00 \$17,280.00 \$1,620.00 \$1,620.00 \$19,440.00 \$19,440.00 \$38,880.00 \$39,4377.66
SIGNAL SUPPORT, MISC: COMBINATION SIGNAL SUPPORT, TYPE TC-81.22, DESIGN 13 SIGNAL SUPPORT, MISC: COMBINATION SIGNAL SUPPORT, TYPE TC-81.22, DESIGN 14 PEDESTAL, 5', TRANSFORMER BASE, AS PER PLAN PEDESTAL, 8', TRANSFORMER BASE, AS PER PLAN DIVITCOLLER VORK PAD, AS PER PLAN ININTERRUPTIBLE POWER SUPPLY (UPS), 1000 WATT, AS PER PLAN DVANCE RADAR DETECTION, AS PER PLAN TOP LINE RADAR DETECTION, SUBTOTAL <b>PETENTIONE SUPPLY</b> <b>INICLASSIFIED EXCAVATION</b> POXY COATED REINFORCING STEEL LASS QC1 CONCRETE, RETAINING/WINGWALL INCLUDING FOOTING EALING OF CONCRETES (BEPOXY-URETHANE) " PREFORMED EXPANSION JOINT FILLER	EACH EACH EACH EACH EACH EACH EACH EACH	1 2 4 1 1 1 1 2 4 1 3375	\$28,080.00 \$30,240.00 \$1,620.00 \$2,430.00 \$5,940.00 \$1,7280.00 \$3,780.00 \$1,620.00 \$7,7560.00 \$9,720.00 \$7,720.00 \$7,020.00	\$28,080.00 \$60,480.00 \$3,240.00 \$5,540.00 \$1,7280.00 \$1,620.00 \$1,
SIGNAL SUPPORT, MISC: COMBINATION SIGNAL SUPPORT, TYPE TC-81.22, DESIGN 14 PEDESTAL, S', TRANSFORMER BASE, AS PER PLAN PEDESTAL, S', TRANSFORMER BASE, AS PER PLAN NEMOVAL OF TRAFFIC SIGNAL INSTALLATION, AS PER PLAN ABINET, TYPE TS-2, AS PER PLAN CABINET, TYPE TS-2, AS PER PLAN CONTROLLER WORK PAD, AS PER PLAN INITERRUPTIBLE POWER SUPPLY (UPS), 1000 WATT, AS PER PLAN IDVANCE RADAR DETECTION, AS PER PLAN TOP LINE RADAR DETECTION, AS PER PLAN TOP LINE RADAR DETECTION, AS PER PLAN ITC V6.24 CONTROLLER (ATC CONTROLLER, AS PER PLAN) <b>RAFFIC SIGNALS CONSTRUCTION SUBTOTAL</b> <b>ETAINING WALLS</b> INCLASSIFIED EXCAVATION POXY COATED REINFORCING STEEL LASS QC1 CONCRETE, RETAINING/WINGWALL INCLUDING FOOTING EALING OF CONCRETES, (EPOXY-URETHANE) " PREFORMED EXPANSION JOINT FILLER	EACH EACH EACH EACH EACH EACH EACH EACH	2 2 4 1 1 1 1 2 4 1 3375	\$30,240.00 \$1,620.00 \$2,430.00 \$5,540.00 \$17,280.00 \$1,7280.00 \$1,560.00 \$9,720.00 \$9,720.00 \$7,020.00	\$60,480.00 \$3,240.00 \$5,540.00 \$17,280.00 \$17,280.00 \$1,520.00 \$7,560.00 \$19,440.00 \$38,880.00 \$7,020.00 <b>\$394,377.66</b>
VEDESTAL, S', TRANSFORMER BASE, AS PER PLAN VEDESTAL, S', TRANSFORMER BASE, AS PER PLAN VEDESTAL, S', TRAFIC SIGNAL INSTALLATION, AS PER PLAN CABINET, TYPE TS-2, AS PER PLAN CABINET FOUNDATION CONTROLLER WORK PAD, AS PER PLAN ININTERRUPTIBLE POWER SUPPLY (UPS), 1000 WATT, AS PER PLAN ININTERRUPTIBLE POWER SUPPLY (UPS), 1000 WATT, AS PER PLAN TOP LINE RADAR DETECTION, AS PER PLAN TCY VE.24 CONTROLLER (ATC CONTROLLER, AS PER PLAN) <b>RAFFIC SIGNALS CONSTRUCTION SUBTOTAL</b> <b>IETAINING WALLS</b> INCLASSIFIED EXCAVATION POXY COATED REINFORCING STEEL LASS QC1 CONCRETE SURFACES (EPOXY-URETHANE) " PREFORMED EXPANSION JOINT FILLER	EACH EACH EACH EACH EACH EACH EACH EACH	2 4 1 1 1 1 2 4 1 1 3375	\$1,620.00 \$2,430.00 \$5,940.00 \$1,7,280.00 \$1,7280.00 \$1,620.00 \$7,7560.00 \$9,720.00 \$7,720.00 \$7,020.00	\$3,240.00 \$9,720.00 \$17,280.00 \$17,280.00 \$1,620.00 \$1,620.00 \$19,440.00 \$38,880.00 \$7,020.00 <b>\$394,377.66</b>
YEDESTAL, 8', TRANSFORMER BASE, AS PER PLAN YEMOVAL OF TRAFFIC SIGNAL INSTALLATION, AS PER PLAN YABINET, TYPE TS-2, AS PER PLAN YABINET FOUNDATION YONTROLLER WORK PAD, AS PER PLAN YONTROLLER WORK PAD, AS PER PLAN YONTROLLER WORK PAD, AS PER PLAN TOP LINE RADAR DETECTION, AS PER PLAN TOP LINE RADAR DETECTION, AS PER PLAN TOP LINE RADAR DETECTION, AS PER PLAN TC V6.24 CONTROLLER (ATC CONTROLLER, AS PER PLAN) <b>RAFFIC SIGNALS CONSTRUCTION SUBTOTAL</b> <b>IETAINING WALLS</b> INCLASSIFIED EXCAVATION POXY COATED REINFORCING STEEL LASS QC1 CONCRETE, RETAINING/WINGWALL INCLUDING FOOTING EALING OF CONCRETES (JEPOXY-URETHANE) " PREFORMED EXPANSION JOINT FILLER	EACH EACH EACH EACH EACH EACH EACH EACH	4 1 1 1 1 2 4 1 1 3375	\$2,430.00 \$5,940.00 \$17,280.00 \$1,620.00 \$7,560.00 \$9,720.00 \$9,720.00 \$7,020.00 \$2,700.00	\$9,720.00 \$5,940.00 \$17,280.00 \$1,620.00 \$1,620.00 \$19,440.00 \$38,880.00 \$7,020.00 <b>\$394,377.66</b>
IEMOVAL OF TRAFFIC SIGNAL INSTALLATION, AS PER PLAN CABINET, TYPE TS-2, AS PER PLAN CABINET FOUNDATION CONTROLLER WORK PAD, AS PER PLAN ININTERRUPTIBLE POWER SUPPLY (UPS), 1000 WATT, AS PER PLAN ININTERRUPTIBLE POWER SUPPLY (UPS), 1000 WATT, AS PER PLAN INDVANCE RADAR DETECTION, AS PER PLAN TOP LINE RADAR DETECTION, AS PER PLAN TOP LINE RADAR DETECTION, AS PER PLAN TOP LINE RADAR DETECTION, AS PER PLAN TOY LINE RADAR DETECTION, AS PER PLAN TOY LINE RADAR DETECTION, SUBTOTAL <b>TAFFIC SIGNALS CONSTRUCTION SUBTOTAL</b> <b>TAFFIC SIGNALS CONCRUCY SIGNALS</b> <b>TAFFIC SIGNALS CONSTRUCTION SUBTOTAL</b> <b>TAFFIC SIGNALS CONCRUCY SIGNALS</b> <b>TAFFIC SIGNALS CONCRUCY SIGNALS</b> <b>TAFFIC SIGNALS CONCRUCY SIGNALS</b> <b>TAFFIC SIGNALS CONCRUCY SIGNALS</b> <b>TAFFIC SIGNALS CONTRUCTION SIGNALL INCLUDING FOOTING</b> <b>TAFFIC SIGNALS CONCRUCY SIGNALS</b> <b>TAFFIC SIGNALS</b> <b>TAFF</b>	EACH EACH EACH EACH EACH EACH EACH EACH	1 1 1 2 4 1 3375	\$5,940.00 \$17,280.00 \$3,780.00 \$1,620.00 \$7,560.00 \$9,720.00 \$9,720.00 \$7,020.00 \$2,700.00	\$5,940.00 \$17,280.00 \$3,780.00 \$1,620.00 \$19,440.00 \$38,880.00 \$7,020.00 <b>\$394,377.66</b> \$2,700.00
ABINET, TYPE TS-2, AS PER PLAN ABINET FOUNDATION CONTROLLER WORK PAD, AS PER PLAN CONTROLLER WORK PAD, AS PER PLAN INITERRUPTIBLE POWER SUPPLY (UPS), 1000 WATT, AS PER PLAN IDVANCE RADAR DETECTION, AS PER PLAN TOP LINE RADAR DETECTION, AS PER PLAN TOP LINE RADAR DETECTION, AS PER PLAN TOP LINE RADAR DETECTION, AS PER PLAN ITC V6.24 CONTROLLER (ATC CONTROLLER, AS PER PLAN) <b>RAFFIC SIGNALS CONSTRUCTION SUBTOTAL</b> <b>VERAINING WALLS</b> INCLASSIFIED EXCAVATION POXY COATED REINFORCING STEEL LASS QC1 CONCRETE, RETAINING/WINGWALL INCLUDING FOOTING EALING OF CONCRETE SURFACES (EPOXY-URETHANE) " PREFORMED EXPANSION JOINT FILLER	EACH EACH EACH EACH EACH EACH EACH EACH	1 1 1 2 4 1 1 3375	\$17,280.00 \$3,780.00 \$1,620.00 \$7,560.00 \$9,720.00 \$9,720.00 \$7,020.00	\$17,280.00 \$3,780.00 \$1,620.00 \$7,560.00 \$19,440.00 \$38,880.00 \$7,020.00 \$394,377.66
CABINET FOUNDATION CONTROLLER WORK PAD, AS PER PLAN JINITERRUPTIBLE POWER SUPPLY (UPS), 1000 WATT, AS PER PLAN JINITERRUPTIBLE POWER SUPPLY (UPS), 1000 WATT, AS PER PLAN TOP LINE RADAR DETECTION, AS PER PLAN TOP LINE RADAR DETECTION, AS PER PLAN TOP LINE RADAR DETECTION, AS PER PLAN TOY LINE RADAR DETECTION D	EACH EACH EACH EACH EACH EACH EACH LUMP LB. C.Y.	1 1 2 4 1 3375	\$3,780.00 \$1,620.00 \$7,560.00 \$9,720.00 \$9,720.00 \$7,020.00	\$3,780.00 \$1,620.00 \$7,560.00 \$19,440.00 \$38,880.00 \$7,020.00 \$394,377.66
XONTROLLER WORK PAD, AS PER PLAN ININTERRUPTIBLE POWER SUPPLY (UPS), 1000 WATT, AS PER PLAN IDVANCE RADAR DETECTION, AS PER PLAN TOP LINE RADAR DETECTION, AS PER PLAN ITC V6.24 CONTROLLER (ATC CONTROLLER, AS PER PLAN) <b>RAFFIC SIGNALS CONSTRUCTION SUBTOTAL</b> <b>IETAINING WALLS</b> INCLASSIFIED EXCAVATION POXY COATED REINFORCING STEEL LASS QC1 CONCRETE, RETAINING/WINGWALL INCLUDING FOOTING EALING OF CONCRETE SURFACES (EPOXY-URETHANE) " PREFORMED EXPANSION JOINT FILLER	EACH EACH EACH EACH EACH EACH LUMP LB. C.Y.	1 1 2 4 1 1 3375	\$1,620.00 \$7,560.00 \$9,720.00 \$9,720.00 \$7,020.00 \$2,700.00	\$1,620.00 \$7,560.00 \$19,440.00 \$38,880.00 \$7,020.00 <b>\$394,377.66</b> \$2,700.00
ININTERRUPTIBLE POWER SUPPLY (UPS), 1000 WATT, AS PER PLAN DVANCE RADAR DETECTION, AS PER PLAN TOP LINE RADAR DETECTION, AS PER PLAN ITC V6.24 CONTROLLER (ATC CONTROLLER, AS PER PLAN) RAFFIC SIGNALS CONSTRUCTION SUBTOTAL ETAINING WALLS INICLASSIFIED EXCAVATION POXY COATED REINFORCING STEEL LASS QC1 CONCRETE, RETAINING/WINGWALL INCLUDING FOOTING EALING OF CONCRETE SURFACES (EPOXY-URETHANE) " PREFORMED EXPANSION JOINT FILLER	EACH EACH EACH EACH EACH LUMP LB. C.Y.	1 2 4 1 1 3375	\$7,560.00 \$9,720.00 \$9,720.00 \$7,020.00 \$2,700.00	\$1,620.00 \$7,560.00 \$19,440.00 \$38,880.00 \$7,020.00 \$394,377.66
INVESTIGATION TO CONCRETE OF LAN TOP LINE RADAR DETECTION, AS PER PLAN TOP LINE RADAR DETECTION, AS PER PLAN TOP LINE RADAR DETECTION, AS PER PLAN TC V6.24 CONTROLLER (ATC CONTROLLER, AS PER PLAN) <b>RAFFIC SIGNALS CONSTRUCTION SUBTOTAL</b> <b>IETAINING WALLS</b> INCLASSIFIED EXCAVATION POXY COATED REINFORCING STEEL LASS QC1 CONCRETE, RETAINING/WINGWALL INCLUDING FOOTING EALING OF CONCRETE SURFACES (EPOXY-URETHANE) " PREFORMED EXPANSION JOINT FILLER	LUMP LB. C.Y.	1 2 4 1 1 3375	\$7,500.00 \$9,720.00 \$7,020.00 \$7,020.00	\$7,560.00 \$19,440.00 \$38,880.00 \$7,020.00 \$394,377.66 \$2,700.00
INVALUE RADAR DETECTION, AS PER PLAN TOP LINE RADAR DETECTION, AS PER PLAN TC V6.24 CONTROLLER (ATC CONTROLLER, AS PER PLAN) <b>RAFFIC SIGNALS CONSTRUCTION SUBTOTAL</b> <b>IETAINING WALLS</b> INCLASSIFIED EXCAVATION POXY COATED REINFORCING STEEL LASS QCI CONCRETE, RETAINING/WINGWALL INCLUDING FOOTING EALING OF CONCRETE SURFACES (EPOXY-URETHANE) " PREFORMED EXPANSION JOINT FILLER	EACH EACH EACH LUMP LB. C.Y.	2 4 1 1 3375	\$9,720.00 \$9,720.00 \$7,020.00 \$2,700.00	\$19,440.00 \$38,880.00 \$7,020.00 <b>\$394,377.66</b> \$2,700.00
IOP LINE RADAR DE LECTION, AS PER PLAN ITC V6.24 CONTROLLER (ATC CONTROLLER, AS PER PLAN) RAFFIC SIGNALS CONSTRUCTION SUBTOTAL IETAINING WALLS INCLASSIFIED EXCAVATION POXY COATED REINFORCING STEEL LASS QC1 CONCRETE, RETAINING/WINGWALL INCLUDING FOOTING EALING OF CONCRETE SURFACES (EPOXY-URETHANE) " PREFORMED EXPANSION JOINT FILLER	EACH EACH LUMP LB. C.Y.	4 1 1 3375	\$9,720.00 \$7,020.00 \$2,700.00	\$38,880.00 \$7,020.00 <b>\$394,377.66</b> \$2,700.00
ITC V6.24 CONTROLLER (ATC CONTROLLER, AS PER PLAN) RAFFIC SIGNALS CONSTRUCTION SUBTOTAL IETAINING WALLS INCLASSIFIED EXCAVATION POXY COATED REINFORCING STEEL LASS QC1 CONCRETE, RETAINING/WINGWALL INCLUDING FOOTING EALING OF CONCRETE SURFACES (EPOXY-URETHANE) " PREFORMED EXPANSION JOINT FILLER	LUMP LB. C.Y.	1 1 3375	\$7,020.00	\$7,020.00 \$394,377.66 \$2.700.00
RAFFIC SIGNALS CONSTRUCTION SUBTOTAL IETAINING WALLS INCLASSIFIED EXCAVATION POXY COATED REINFORCING STEEL LASS QC1 CONCRETE, RETAINING/WINGWALL INCLUDING FOOTING EALING OF CONCRETE SURFACES (EPOXY-URETHANE) " PREFORMED EXPANSION JOINT FILLER	LUMP LB. C.Y.	1 3375	\$2,700.00	\$394,377.66 \$2.700.00
IETAINING WALLS INCLASSIFIED EXCAVATION POXY COATED REINFORCING STEEL LASS QCI CONCRETE, RETAINING/WINGWALL INCLUDING FOOTING EALING OF CONCRETE SURFACES (EPOXY-URETHANE) " PREFORMED EXPANSION JOINT FILLER	LUMP LB. C.Y.	1 3375	\$2,700.00	\$2.700.00
INCLASSIFIED EXCAVATION POXY COATED REINFORCING STEEL LASS QC1 CONCRETE, RETAINING/WINGWALL INCLUDING FOOTING EALING OF CONCRETE SURFACES (EPOXY-URETHANE) " PREFORMED EXPANSION JOINT FILLER	LUMP LB. C.Y.	1 3375	\$2,700.00	\$2,700.00
POXY COATED REINFORCING STEEL LASS QC1 CONCRETE, RETAINING/WINGWALL INCLUDING FOOTING EALING OF CONCRETE SURFACES (EPOXY-URETHANE) " PREFORMED EXPANSION JOINT FILLER	LB. C.Y.	3375		/****
LASS QC1 CONCRETE, RETAINING/WINGWALL INCLUDING FOOTING EALING OF CONCRETE SURFACES (EPOXY-URETHANE) " PREFORMED EXPANSION JOINT FILLER	C.Y.		\$2.70	\$9 112 50
EALING OF CONCRETE SURFACES (EPOXY-URETHANE) " PREFORMED EXPANSION JOINT FILLER	<b>U.I.</b>	22 5	\$1 020 00	\$24 200 00
PREFORMED EXPANSION JOINT FILLER	çv	22.5	\$1,000.00	\$1,044,00
THE ONTED EXPANSION JUNT FILLER	5.1.	30	\$64.8U	\$1,944.00
AUDIC AUCC DEDECTORAL LIAND DAULARD ADDRESS DAVIDE DUCTOR	5.F.	12	\$10.80	\$129.60
AILING, MISC.: PEDESTRIAN HAND RAILING APPROVED BY THE CITY	FT.	32	\$108.00	\$3,456.00
OROUS BACKFILL WITH GEOTEXTILE FABRIC	C.Y.	10	\$135.00	\$1,350.00
ETAINING WALLS CONSTRUCTION SUBTOTAL				\$42,992.10
TRUCTURE REPAIR				
OFFERDAMS AND EXCAVATION BRACING	LUMP	1	\$2,700.00	\$2,700.00
NCLASSIFIED EXCAVATION	LUMP	1	\$5,400.00	\$5,400.00
POXY COATED REINFORCING STEEL	LB.	5700	\$2.70	\$15 390 00
LASS QC1 CONCRETE. RETAINING/WINGWALL INCLUDING FOOTING	CY	38	\$1.080.00	\$41 040 00
ALING OF CONCRETE SURFACES (EPOXY-URETHANE)	s v	52	\$64.80	\$3 360 60
PREFORMED EXPANSION IOINT FILLER	5.1.	52	\$10.80	\$5,505.00
DROUS BACKEUL WITH GEOTEXTILE FABRIC	э.г. с v	31	\$10.80	\$550.80
	C.Y.	14	\$135.00	\$1,890.00
INOCTORE REPAIR CONSTRUCTION SUBTOTAL				\$70,340.40
ASPHALT CONCRETE WALK	S.F.	292	\$8.64	\$2,522.88
W ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE	HOUR	32	\$113.40	\$3,628.80
CREASED BARRIER DELINEATION	FT.	650	\$4.32	\$2,808.00
ORK ZONE IMPACT ATTENUATOR (UNIDIRECTIONAL)	EACH	27	\$2,268.00	\$61,236.00
ETOUR SIGNING	LUMP	1	\$21,600.00	\$21,600.00
PLACEMENT SIGN	FACH	20	\$216.00	\$4 320 00
PLACEMENT DRUM	FACH	50	\$75.60	\$2 780 00
ARIER REELECTOR TYPE 1 (ONE WAY)	EACH	170	\$73.00	\$3,780.00
ADDIER REELECTOR, THE 2, (ONE WAY)	EACH	1/0	\$21.60	\$3,672.00
ARRIER REFLECTOR, TIPE 2, (ONE WAT)	EACH	60	\$27.00	\$1,620.00
SECT MARKER, ONE WAY	EACH	170	\$27.00	\$4,590.00
UKK ZUNE CENTER LINE, CLASS I, 642 PAINT	MILE	0.1	\$5,400.00	\$540.00
ORK ZONE EDGE LINE, CLASS I, 6", 642 PAINT	MILE	4.1	\$1,620.00	\$6,642.00
ORK ZONE CHANNELIZING LINE, CLASS I, 8", 642 PAINT	FT.	1344	\$1.08	\$1,451.52
ORK ZONE DOTTED LINE, CLASS I, 642 PAINT	FT.	534	\$1.08	\$576.72
ORK ZONE STOP LINE, CLASS I, 642 PAINT	FT.	288	\$5.40	\$1.555.20
ORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT	FT	1083	\$5.40	\$5 848 20
ORK ZONE GORE MARKING, CLASS IL 642 PAINT	FT.	105	\$5.40 ¢E 40	\$5,040.20
ORK ZONE ARROW CLASS L 642 PAINT	EACH	100	\$5.40	\$572.40
	EACH	10	\$70.20	\$702.00
VENIENT FOR MAINTAINING TRAFFIC, CLASS B	S.Y.	630	\$91.80	\$57,834.00
AICK	MGAL	67.3	\$43.20	\$2,907.36
RTABLE BARRIER, 32"	FT.	8330	\$19.44	\$161,935.20
AINTENANCE OF TRAFFIC CONSTRUCTION SUBTOTAL				\$350,342.28
CIDENTALS				
EMIUM FOR CONTRACT PERFORMANCE BOND AND FOR PAYMENT BOND	LUMP	1	\$30,446.00	\$30,446.00
AINTAINING TRAFFIC	LUMP	1	\$227,000.00	\$227.000.00
LD OFFICE, TYPE C	MONTH	18	\$2,592.00	\$46 656 00
NSTRUCTION LAYOUT STAKE AND SURVEYING	LIMD	1	\$54 000 00	\$54,000,00
ECIAL - CONSTRUCTION LAYOUT STAKES AND SURVEYING PRECONSTRUCTION SURVEY	LOWP	1	\$34,000.00	əə4,000.00
DNUMENT VERIFICATION	LUMP	1	\$5,400.00	\$5 400 00
ECIAL - CONSTRUCTION LAYOUT STAKES AND SURVEYING POSTCONSTRUCTION SURVEY	10.00	•	\$5,400.00	\$3,400.00
DNUMENT VERIFICATION	LUMP	1	\$5,400.00	\$5,400.00
DBILIZATION	LUMP	1	\$102 800 00	\$102 800 00
CIDENTALS CONSTRUCTION SUBTOTAL		-	+ 102,000.00	\$471 703 00
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\$5,804,708.52 \$580,470.85 \$6,385,179.37 II A CITI

ChoiceOne Engineering

CONTINGENCY (10%) CONSTRUCTION TOTAL

Mitchell J. Thobe, PE

We make no warranty, express or implied, that the actual construction cost of the work associated with these estimated quantities and costs will not vary. The cost reflects our opinion of current probable construction cost.

8/15/2023 Date

0

A weighted useful life statement stamped/sealed and signed by a licensed professional engineer must be included with the project application.

This spreadsheet has formulas to make a weighted useful life calculation and is populated with an example for illustrative purposes. Items can be added to column a.

#### WOODMAN RECONSTRUCTION - RIVERSIDE Weighted Useful Life & Design Service Capacity Calculations

Major Component	Cost (\$1,000)	Portion Repair / Replacement (%)	Repair / Replace Product	Useful Life (Years)	Useful Life Product
Full-depth road construction w/ drainage Full-depth road construction	4980.3605			25	124509
w/o drainage Partial-depth road				25	
construction w/ drainage Partial-depth road	596.84526			15	8952.679
construction w/o drainage				15	
Storm Sewers	683.3079			40	27332.32
Sanitary Sewers				40	
Water Lines				40	
Culvert/Bridge	77.37444			50	3868.722
Pumps, Lift Stations				15	
Retaining Wall	47.29131			50	2364.566

Totals 6385.17937 167027.3

79555

minin

Weighted Useful Life:

26.2 Years

Design Service Capacity (Project Application, Section 2.0): Portion Repair / Replace % Portion New / Expansion 100 %

Mitchell J. Thobe, PE 1111111 HUNDIN PROFE E OF MITCHELL JAY THOBE

Date 1111111

# OHIO PUBLIC WORKS COMMISSION DISTRICT 4 FY25 Supplemental Questionnaire

Applicant: City of Riverside

Project Title: Woodman Drive Reconstruction

## **Application Summary:**

#### **Briefly describe the project:**

This project includes the full reconstruction of approximately 2200 feet of Woodman Drive from US 35 to Eastman Avenue. Details of the project include full-depth reconstruction including median reconstruction (concrete and grass), storm sewer improvements (piping, catch basins, and manholes), installation of crosswalks, curb ramps, bike path, and other pedestrian facilities, highway lighting, replacement of traffic signals, and full-depth replacement of the roadway surface including aggregate base and asphalt.

Also included are intersection and pedestrian/bicycle improvements, as well as a pedestrian connection between Richland Avenue and Woodman Drive. Details of this portion of the project include replacement of crosswalks, curb ramps, installation of a multi-use path, sidewalks, and other pedestrian facilities, replacement of highway lighting, and replacement of traffic signals (including addition of pedestrian heads).

Additionally, this project includes the following improvements to Woodman Drive & Eastman Avenue to mitigate the excessive accident rate at the intersection: extension of the southbound left turn lane, realignment of the mainline (Woodman Drive) left turn lanes, new traffic signal, and ADA compliant pedestrian facilities. See attached Safety Study, Page 4 for documentation of the excessive accident rate.

## **Priority:**

Is this application your priority project? (Circle One)					
Yes 💽	No 🔘				

## Generation of Revenue:

Will new user fees or assessments be assessed as part of this project? (Circle One)					
Yes 🕥 No 💽					
What will the new user fees or assessments be used for?					

# Additional Funding:

Will OPWC match, in part, a committed grant or loan? (Circle One)					
Yes  No					
If no, was the project submitted to an appropriate agency for funding, but denied due to lack of funding? (Circle One)					
Yes – Appropriate Documentation Attached 🔘	No 🔘				

# **Readiness of Project:**

Will this project be <u>substantially</u> underway on or before June 1, 2025? (Circle One)		
Yes 💽	No 🚫	

# Health & Safety:

Describe the specific health or safety issue being addressed by this project. What deficiency or condition is causing the health or safety issue?

This project is needed because of the deteriorating asphalt driving surface, the lack of proper, adequate stormwater drainage, inadequate pedestrian facilities, out-of-date traffic signals, a deteriorating culvert under the roadway, and an excessive accident rate at the intersection of Eastman and Woodman.

The roadway, as it exists, does not produce positive drainage for stormwater. Existing curbing has been paved over, and many catch basins are blocked/non-functioning. Because stormwater pools in the driving lanes, motorists risk hydroplaning or, in cold weather, icy conditions. The new, smoother traveling surface will provide a smoother drive for motorists and cyclists, enhancing safety. With the improvement of pedestrian facilities throughout the route, motorists, pedestrians and cyclists will be far safer than in current conditions. With the separated sidewalk and bike path, all modes will be able to travel this route for access to residential areas, a middle school, an urgent care facility, and various retail establishments. The route will also be enhanced for safety with replacement highway lighting as well.

The excessive accident rate at the intersection of Woodman & Eastman will be addressed with the extension of turn lanes and alignment improvements. The intersection has a very high percentage of injury crashes at 56% and high percentage of left turn crashes at 35% (well above the statewide average of 15% for similar intersections). See page 4 of the attached Safety Study.

# Addresses District Infrastructure Needs:

Is this project located in more than one community? (Circle One)				
Yes 🔘		No 💽		
What percentage of the community will be served by this project? (Circle One)				
Less than 25%	25% to 40%	More than 40% 💽		

# **Economic Development**

How many jobs are being created as a result of this project?						
How many jobs will be retained as a result of this project?						
Why is it necessary to fund this improvement to secure this development?						
What type of industry is proposed in this development?						

# Relieve Existing Traffic Congestion:

What is the level of service?	LOS A

# **Other Factors**

#### What other factors exist that make this project more important than other like projects?

This route intersects the Creekside Trail, which connects Dayton with Xenia. Nearby destinations off of this interchange with US 35 include a retail area with restaurants and shopping, several schools, service agencies including employment/staffing disability support, urgent care, and childcare centers, thousands of homes, and Riverside Fire Station No. 6, which accesses US 35 via this section of Woodman Drive. This section of roadway and its associated multi-use trail and sidewalks, also provides access to the southwest side Wright-Patterson Air Force Base from US 35, which is the area's largest employer. Providing a safe, functioning roadway for all users of all modes of transportation is a top priority for the City and the region.

This project includes a pedestrian connection between Richland Avenue and Woodman Drive, creating a new access point for the residential areas east of Woodman between Eastman and US 35. This new connection will allow for all users to access the transit stops at Woodman and Eastman and urgent care medical complex at Woodman and Eastman, as well as MacGregor Park and any points north and west of Woodman Drive. This access point will also allow users to reach the Creekside Trail more quickly/easily by using the connection to then travel south on the newly provided walks/trail on Woodman and access the Creekside Trail.

This project is listed as a priority component in the City of Riverside's Major Thoroughfare Assessment; General Road Condition Improvement, August 2014.



MVRPC - STP Application 2020



City of Riverside Woodman Drive Reconstruction

MVRPC - STP Application 2020









**Transportation Data Management** System

Home	Login	Email This
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List View	All DIRs					
Record	i 🙀 ┥ 1 🕨 💓 of 1 Goto Record	go				
Location ID	2655798	MPO ID				
Туре	SPOT	HPMS ID				
On NHS	Yes	On HPMS	Yes			
LRS ID	CMOTCR00074**C	LRS Loc Pt.	5.2			
SF Group	URBAN_OTHER_PRINCIPAL_ARTERIAL	Route Type	CR			
AF Group	URBAN_OTHER_PRINCIPAL_ARTERIAL	Route	00074			
GF Group	URBAN_OTHER_PRINCIPAL_ARTERIAL	Active	Yes			
Class Dist Grp		Category	Local			
Seas Clss Grp	URBAN_OTHER_PRINCIPAL_ARTERIAL					
WIM Group						
QC Group	Default					
Fnct'l Class	3 - Other Principal Arterial	Milepost				
Located On	WOODMAN DR					
Loc On Alias						
BETWEEN	US-35 EXPY AND AIRWAY RD					
More Detail 🕨						

### STATION DATA

Directions: 2-WAY NB SB (2)

AADT	AADT 🕐								
	Year	AADT	DHV-30	Κ%	D %	PA	BC	Src	
	2022	23,182 <sup>3</sup>		9	53	22,762 (98%)	420 (2%)	Grown from 2021	
	2021	23,655 <sup>3</sup>		9	53	23,226 (98%)	429 (2%)	Grown from 2020	
	2020	21,524 <sup>3</sup>		9	53	21,134 (98%)	390 (2%)	Grown from 2019	
	2019	24,571	2,305	9	53	24,126 (98%)	445 (2%)		
	2018	25,278 <sup>3</sup>		8	52	24,612 (97%)	666 (3%)	Grown from 2017	





# City of Riverside Woodman Drive & Eastman Avenue Safety Study

February 2023

W. Central Ohio/E. Indiana 440 E. Hoewisher Rd. Sidney, OH 45365 937.497.0200 Phone S. Ohio/N. Kentucky 8956 Glendale Milford Rd., Suite 1 Loveland, OH 45140 513.239.8554 Phone

www.CHOICEONEENGINEERING.com
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# Safety Study

## **Analysis Snapshot**

The City of Riverside retained Choice One Engineering Corporation (COEC) to prepare a safety study and present safety improvement countermeasures for the signalized intersection of Woodman Drive & Eastman Avenue in the City of Riverside, Montgomery County, Ohio. This Safety Study includes Project Description, Analysis Snapshot, Purpose & Need, Roadway Conditions, Intersection Conditions, Crash Analysis, Existing Traffic Volumes, Turn Lane Analysis, Proposed Countermeasure Evaluation, and Recommendations.



Figure 1: Vicinity Map

## **Purpose and Need**

The City of Riverside is concerned with the rate of injury crashes and pedestrian safety at the intersection of Woodman Drive & Eastman Avenue. Therefore, safety funding is being pursued to improve the intersection. Recommended improvements will be intended to enhance safety for roadway users, pedestrians, cyclists, those using mobility devices, and those accessing public transportation.

The purpose of the safety study is to identify site-specific safety countermeasures to reduce injury crashes and enhance pedestrian safety.

## **MOT-Woodman Drive Reconstruction (PID 115003)**

The intersection of Woodman Drive & Eastman Avenue is within the project limits of MOT-Woodman Drive Reconstruction (PID 115003). This project includes the full reconstruction of Woodman Drive between US 35 and Eastman Avenue, installation and replacement of sidewalks, the connection of new sidewalk to Richland Avenue, installation of a new 10-foot multi-use path connecting Woodman Park Drive to Eastman Avenue, and installation of street lighting along the entire corridor. Additionally, this project includes the following improvements to Woodman Drive & Eastman Avenue: extension of the southbound left turn lane, realignment of the mainline (Woodman Drive) left turn lanes, new traffic signal, and ADA compliant pedestrian facilities. The City of Riverside is working on multiple project phases to modernize Woodman Drive from US 35 to Springfield Street (Wright-Patterson Air Force Base) to benefit all modes of travel. The \$6.3 million project is in the process of Stage 2 design and has already received Ohio Department of Transportation (ODOT) Surface Transportation Program (STP) and Transportation Alternatives Program (TAP) funding. This funding request focuses on the safety issues at the intersection of Woodman Drive & Eastman Avenue.

## **Roadway Conditions**

**Woodman Drive** is classified as a major collector that traverses in a north-south direction. The posted speed limit is 45 miles per hour in the section. The 2019 reported ADT is 24,571. This section of Woodman Drive has four total lanes including two traveling lanes in each direction.

**Eastman Avenue** is classified as a local road that traverses in an east-west direction. The posted speed limit is 25 miles per hour in the section.

## **Intersection Conditions**

**Woodman Drive & Eastman Avenue:** The eastbound approach (AES's private drive) consists of one exclusive left-turn lane and one shared through/right lane. The westbound approach (Eastman Avenue) consists of one exclusive left-turn lane and one shared through/right lane. The northbound approach (Woodman Drive) consists of one exclusive left-turn lane, two exclusive through lanes, and one exclusive right-turn lane. The southbound approach (Woodman Drive) consists of one exclusive through lane, and one shared through/right-turn lane, one exclusive through lane, and one shared through/right-turn lane.

Several existing conditions affect the operation of Woodman Drive & Eastman Avenue including geometrics and lack of pedestrian facilities as described below.

- **Geometrics:** The mainline (Woodman Drive) left turn lanes have a negative 7-foot offset. This can be a contributing factor to left-turn crashes.
- **Turn Lane Length:** The existing southbound left turn lane length is too short. This can be a contributing factor to sideswipe and rear-end crashes.
- Pedestrian Facilities: There are no ADA compliant pedestrian facilities at this intersection.

## **Crash Analysis**

Detailed crash data and related graphs are included in <u>Appendix A</u>. An overview is shown below in Figure 2. The crash reports are available upon request.

#### Figure 2: Crash Overview

Fatalities	0	
Serious Injuries	2	
Other Injuries	19	
-		
Crash Severity	Crashes	%
(2) Serious Injury Suspected	1	4.35%
(3) Minor Injury Suspected	8	34.78%
(4) Injury Possible	4	17.39%
(5) PDO/No Injury	10	43.48%
Grand Total	23	100.00%
Day of Week	Crashes	%
(1) Sunday	1	4.35%
(2) Monday	4	17.39%
(3) Tuesday	3	13.04%
(4) Wednesday	3	13.04%
(5) Thursday	7	30.43%
(6) Friday	2	8.70%
(7) Saturday	3	13.04%
Grand Total	23	100.00%
Listh Constitution	Overskere	0/
Light Condition	Grasnes	79.00%
Dayiight	18	/ 8.20%
Dawn/Dusk Dark Lighted Beedway	2	0.70%
Dark - Digitieu Koadway	2	4.25%
Grand Total	22	4.33%
	23	100.0070
Unit 1 Contributing Factor	Crashes	%
Following Too Closely/ACDA	9	39,13%
Failure to Yield	5	21.74%
Ran Red Light	3	13.04%
Improper Backing	1	4.35%
Other Improper Action	1	4.35%
Drove off Road	1	4.35%
Swerving to Avoid	1	4.35%
Improper Lane Change	1	4.35%
None	1	4.35%
Grand Total	23	100.00%
Weather Condition	Crashes	%
Clear	11	47.83%
Cloudy	9	39.13%
Rain	3	13.04%
Grand Total	23	100.00%

Crashes Per Year	7.67	
Fatal and All Injury Crashes	13	
Percent Injury	56.5%	
Equivalent PDO Index Value	5.45	
Year	Crashes	9
2019	9	39
2020	3	13
2021	11	47
Grand Total	23	100
Crash Type	Crashes	c.
Rear End	8	34
Left Turn	8	34
Sideswipe - Passing	3	13
Pedestrian	1	4
Fixed Object	1	4
Backing	1	4
Other Non-Collision	1	4
Grand Lotal	23	100
Month	Crashes	0
2	1	4
3	2	8
4	3	13
5	2	8
8	6	26
9	2	8
11	5	21
12	2	8
Grand Total	23	100
Hour of Day	Crashes	0
8	4	17
11	2	5
13	2	5
14	2	8
15	4	17
17	1	4
10	4	17
10	1	0
20	1	4
Grand Total	_23	100
	20	
Road Condition	Crashes	
Dry	17	73
	6	.,6
Wet	0	20

The following crash types and conditions are overrepresented at the study location compared to the statewide averages for signalized, urban, four-leg intersection locations.

Figure 3 – Safety Issues		
	Study Location	Statewide Averages
Sideswipe-Passing Crashes	13%	11%
Left Turn Crashes	35%	15%
Pedestrian Crashes	4%	1%
Total Crashes	23	-

## **Existing Traffic Volumes**

Turning movement counts were collected by Choice One Engineering on Tuesday, September 14, 2021, at the intersection of Woodman Drive & Eastman Avenue. Data was collected from 6:00AM to 7:00PM. The peak hours are from 7:30 to 8:30AM and 4:30 to 5:30PM. The existing traffic volumes are attached in <u>Appendix B</u>.

#### **Turn Lane Analysis**

Primarily, reviewing the existing turn lanes was initiated to verify adequate length for safety benefits rather than the operational (i.e. LOS) benefits. **The southbound approach of Woodman Drive has a dedicated 200 foot (including 150-foot diverging taper) left turn lane**. Turn lane length calculations were performed at the intersection based on the specifications set forth in Section 400 of the ODOT L&D Manual: Volume 1 Roadway Design. From ODOT L&D Manual: Volume 1 Roadway Design speed of 50 mph, the southbound left turn lane length is required to be 225 feet (including a 50-foot diverging taper). The turn lane analysis is attached in <u>Appendix C</u>.

#### Signal Warrant Analysis

In accordance with the 2012 Ohio Manual of Uniform Traffic Control Devices (OMUTCD), Chapter 4C, using the existing traffic volumes and lane setup, the intersection of Woodman Drive & Eastman Avenue was tested against the following three signal warrants:

Warrant 1 – Eight Hour Vehicular Volume Warrant 2 – Four Hour Vehicular Volume Warrant 3 – Peak Hour

The Eight Hour Vehicular Volume warrant requires that an intersection has eight separate hours where the volume of vehicles approaching the intersection is above a given threshold determined by ODOT. The Four-Hour Vehicular Volume and the Peak Hour Vehicular Volume warrants require that an intersection has four separate hours and a single hour, respectively, where the volume of vehicles approaching the intersection is above a given threshold.

At this intersection, the volume of vehicles approaching the intersection on the Major Street (Woodman Drive) and the minor street (Eastman Avenue) meet the required volume to satisfy Warrants 1, 2, and 3 at the 100 percent values. The signal warrant analysis is attached in <u>Appendix</u> <u>D</u>.

#### **Proposed Countermeasure Evaluation**

Based on field observations, crash data, and analysis of the location, there are several improvements that can be made to potentially reduce crashes and increase safety. These potential improvements are described in this section.

First, this intersection will benefit from the installation a new traffic signal with backplates, stop bar and advanced radar detection, left turn arrows for the Woodman Drive approaches, pedestrian crosswalks, and intersection lighting. These countermeasures could reduce left turn crashes at this intersection. The pedestrian crosswalks could also help avoid crashes or collisions involving pedestrians, as it would encourage pedestrians to cross at a lighted, marked crosswalk.

Second, it is recommended the northbound and southbound left turn lanes along Woodman Drive be realigned. Currently, there is a negative offset between the turn lanes of approximately 7 feet, which leads to decreased sight distance, thereby leading to the high percentage left turn crashes at the intersection. Improving the left-turn offsets to make the left-turns have a zero or positive offset is a proven countermeasure to reduce crashes.

Third, it is recommended to extend the southbound left turn lane along Woodman Drive. The existing storage lane is significantly shorter than the ODOT calculated length, which could be contributing to the sideswipe and rear end crashes.

#### Recommendations

Based on the analysis results of the existing and future conditions, COEC recommends the following improvements to the surrounding roadway network:

- 1. Install a new mast arm traffic signal.
  - a. Install backplates.
  - b. Include five section signal heads for protected mainline left turn movements.
  - c. Install stop bar and advanced radar detection.
- 2. Install pedestrian signal, crosswalks and curb ramps that meet ADA standards.
- 3. Realign the northbound and southbound left turn lanes to remove the negative offset.
- 4. Extend the southbound left turn lane length to be 260 feet (which includes a 50-foot diverging taper).

A preliminary construction estimate for the recommended improvements is \$2,100,798, which includes construction and inflation. The City is prepared to contribute \$210,080 (10%) and is applying for \$1,890,719 (90%) safety funds to pay for construction only. The City of Riverside has additional local investment in the other portions of the project.

The ECAT Analysis is attached in <u>Appendix E</u>. A recommendations concept is attached in <u>Appendix F</u>. The project cost estimate is attached in <u>Appendix G</u>. A project funding table and schedule is attached in <u>Appendix H</u>.

## **APPENDIX**

Appendix A- Crash Data





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#### 2019-2021 Woodman & Eastman



Total Crashes	Injury Level				
Crash Type	(2) Serious Inju	(3) Minor Injury (4	1) Injury Possi	(5) PDO/No Inji	Grand Total
Rear End	0	2	2	4	8
Left Turn	0	3	2	3	8
Sideswipe - Passing	0	0	0	3	3
Pedestrian	0	1	0	0	1
Fixed Object	1	0	0	0	1
Backing	0	1	0	0	1
Other Non-Collision	0	1	0	0	1
Grand Total	1	8	4	10	23



#### 2019-2021 Woodman & Eastman

Crash Summary Sheet

Crashes Per Year

7.67 Percent Injury

5.45

Road Condition	Total Crashes	Fatalities	Serious Injuries
Dry	17	0	2
Wet	6	0	0
Grand Total	23	0	2

Hour of Day	Total Crashes
8	4
11	2
13	2
14	2
15	4
16	1
17	4
18	2
19	1
20	1
Grand Total	23

Month	Total Crashes
February	1
March	2
April	3
May	2
August	6
September	2
November	5
December	2
Grand Total	23

56.5% **EPDO** 

Weather	Total Crashes	Fatalities	Serious Injuries
Clear	11	0	2
Cloudy	9	0	0
Rain	3	0	0
Grand Total	23	0	2

Day in Week	Total Crashes
(1) Sunday	1
(2) Monday	4
(3) Tuesday	3
(4) Wednesday	3
(5) Thursday	7
(6) Friday	2
(7) Saturday	3
Grand Total	23



Crash Location	Total Crashes Fat	alities Ser	ious Injurie
Four-Way Intersection	12	0	(
Not An Intersection	7	0	2
T-Intersection	4	0	(
Grand Total	23	0	2

Roadway Contour	Total Crashes	Fatalities	Serious Injuries
Straight Level	16	0	0
Straight Grade	6	0	0
Curve Level	1	0	2
Grand Total	23	0	2



Appendix B- Turning Movement Counts

Study Name Start Date

Start Time

Woodman Drive & Eastman Avenue 09/14/2021 6:00 AM

## Appendix C- Turn Lane Analysis

#### Turn Lane Lengths

Movement	Turning Vol. (AM)	Turning Vol. (PM)	Cycles/ Hour	Veh/Cycle (AM)	Veh/Cycle (PM)	Avg. Veh/Cycle	Storage Length (ft.)	Condition "A"	Condition "B"	Condition "C"	ODOT Calculated Length (ft.)	Existing Turn Lane Length (ft.)	Rec. Length (ft.)	Posted Speed	Design Speed	Existing Control	Proposed Control	Jurisdiction
1NBL	10	1	60	0.167	0.017	0.2	50		225	195	225	500	NC	45	50	Signalized	Signalized	City of Riverside
1NBR	123	108	60	2.050	1.800	2.1	105		225	250	250	350	NC	45	50	Signalized	Signalized	City of Riverside
1SBL	137	48	60	2.283	0.800	2.3	115		225	260	260	200	260	45	50	Signalized	Signalized	City of Riverside

Intersection Legend 1-Woodman Drive & Eastman Avenue/AES Drive

Appendix D- Signal Warrant Analysis



TRAFFIC SI	TRAFFIC SIGNAL WARRANT ANALYSIS FINDINGS									
	Applicable?	Warrant Satisfied?	Notes and Comments:							
Warrant 1, Eight-Hour Vehicular Volume	Yes	Yes	Condition B was met. Condition B (70%) was met.							
Warrant 2, Four-Hour Vehicular Volume	Yes	Yes	Figure 4C-1 (100%)							
Warrant 3, Peak Hour	Yes	Yes	Signals installed under Warrant 3 should be traffic actuated. 8:45 AM							
For Warrants 1-3, new	ODOT signal	s must be bas	sed off of 100% volume thresholds (TEM 402-3.2)							
Warrant 4, Pedestrian Volume	No		If this warrant is met, and a traffic control signal is justified by an engineering study, the traffic control signal shall be equipped with pedestrian signal heads complying with the provisions set forth in Chapter 4E of the OMUTCD.							
Warrant 5, School Crossing	No		N/A							
Warrant 6, Coordinated Signal System	No		(Shall not be used as the sole warrant in the analysis)							
Warrant 7, Crash Experience	No		If this is the sole warrant, signal must be semi-actuated with control devices which provide proper coordination if installed at an intersection within a coordinated system and normally should be fully traffic actuated if installed at an isolated intersection.							
Warrant 8, Roadway Network         No         (Shall not b)		(Shall not be used as the sole warrant in the analysis)								
Warrant 9, Intersection Near a Grade Crossing	No		Figure 4C-9							
Multi-Way Stop Warrant	No		May be used as an interim measure if traffic signal warrants are satisfied.							

The satisfaction of a traffic signal warrant or warrants shall not in itself require the installation of a traffic control signal.

If no warrants are satisfied, additional options may be considered:

1. An engineering study, performed by a firm prequalified by ODOT for signal design, if approved by the ODOT district, may be used to justify a new signal installation or retention of an existing signal that otherwise does not meet the published warrants. An example of such an instance is a traffic signal in proximity to a railroad crossing that serves to reduce queuing across the tracks.

2. According to TEM 402-2, If the actual turning movement counts fail to satisfy a signal warrant, it may be acceptable to use traffic volumes projected to the second year after project completion. The **Modeling and Forecasting Section** should provide the projected traffic volumes.

3. A pedestrian hybrid beacon may be considered for installation to facilitate pedestrian crossings at a location that does not meet traffic signal warrants (see Chapter 4C of TEM) or at a location that meets traffic signal warrants under Sections 4C.05 and/or 4C.06 but a decision is made to not install a traffic control signal. **Please fill inputs on PHB Score Sheet and submit to ODOT.** 

Considerations such as geometrics and lack of sight distance generally have not been accepted in lieu of satisfying signal warrants. These considerations may allow an otherwise unwarranted traffic signal to be retained at **100 percent** local cost. Please review TEM 402-4 for details.

Conclusion: Install New Traffic Signal

Notes:

#### OMUTCD WARRANT 1, EIGHT-HOUR VEHICULAR VOLUME

 
 Number of Lanes for Moving Traffic on Each Approach

 Major Street:
 2 or More Lanes

 Minor Street:
 1 Lane

Built up Isolated Community with Less Than 10,000 Population or Above 40 MPH on Major Street? Yes

\*Only applicable after an adequate trial of other alternatives (See section 4C.02.06 of the 2012 OMUTCD)

Lanes	Adju	isted		Cond	ition A			Condi	ition B				Co	mbina	ation A	VB*		
Major/ Minor	Volu	imes	10	10%	70	1%	10	0%	70	1%	Cor 8	nd. A	Con 80	nd. B	Cor 5	1d. A 6%	Con 56	d. B
Millor	Major	Minor	Maj.	Min.	Maj.	Min.	Maj.	Min.	Maj.	Min.	Maj.	Min.	Maj.	Min.	Maj.	Min.	Maj.	Min.
1/1			500	150	350	105	750	75	525	53	400	120	600	60	280	84	420	42
2+/1		X	600	150	420	105	900	75	630	53	480	120	720	60	336	84	504	42
1/2+			500	200	350	140	750	100	525	70	400	160	600	80	280	112	420	56
12:00 AM	0	0	000	200	000	110		100	020		100	100	000	00	200		120	00
12:15 AM	0	0																
12:30 AM	0	0																
12:45 AM	0	0																
1:15 AM	0	0														1		
1:30 AM	0	0																
1:45 AM	0	0																
2:00 AM	0	0																
2:15 AM 2:30 AM	0	0																
2:45 AM	0	0																
3:00 AM	0	0																
3:15 AM	0	0																
3:30 AM	0	0																
4:00 AM	0	0																
4:15 AM	0	0																
4:30 AM	0	0																
4:45 AM	0	0														<u> </u>	I	
5:15 AM	152	12				-						-	-	-	-	1		
5:30 AM	364	24													1			
5:45 AM	637	42	1	<u> </u>	1	<u> </u>	4	-	1	-	1	<u> </u>	4	<u> </u>	<u> </u>	$\vdash$	1	1
6:15 AM	1165	70	<u> </u>			-		-		-		-		-	-	-	1	
6:30 AM	1346	87													1	1		
6:45 AM 7:00 AM	1629	106	1		1	1	1	1	1	1	1		1	1		-	1	1
7:15 AM	1978	178					Ľ	Ľ					Ľ	Ľ				
7:30 AM	1983	193													1	1		
7:45 AM 8:00 AM	1870	213	1	1	1	1	1	1	1	1	1	1	1	1			1	1
8:15 AM	1481	169																
8:30 AM	1386	139													1	1		
9:00 AM	1259	79	1		1		1	1	1	1	1		1	1		-	1	1
9:15 AM	1185	75																
9:30 AM	1197	77	1		1				1	1	1				1		1	1
10:00 AM	1204	72					1						1	1				-
10:15 AM	1254	70																
10:30 AM	1274	67	1		1				1	1	1				1		1	1
11:00 AM	1327	63	<u> </u>				1				· ·		1	1		1		<u> </u>
11:15 AM	1360	63																
11:30 AM 11:45 AM	1401	65	1		1				1	1	1				1		1	1
12:00 PM	1396	64					1						1	1				
12:15 PM	1404	68													4			
12:30 PM	1370	70	1		1				1	1	1				-	-	1	1
1:00 PM	1324	86					1	1					1	1				
1:15 PM	1362	92													1	1		
1:45 PM	1429	120	1		1	1			1	1	1	1					1	1
2:00 PM	1641	125					1	1					1	1				
2:15 PM 2:30 PM	1747	153													1	1	I	
2:45 PM	2008	139	1		1	1			1	1	1	1				Ľ	1	1
3:00 PM	2139	196					1	1					1	1				
3:15 PM 3:30 PM	2158	200													1	1		
3:45 PM	2175	206	1	1	1	1			1	1	1	1			Ċ	Ė	1	1
4:00 PM	2214	150					1	1					1	1		<u>                                     </u>		
4:15 PM 4:30 PM	∠338 2406	113	-			-		-	-	-	-	-	-	-	1	1	-	<u> </u>
4:45 PM	2370	95	1		1				1	1	1						1	1
5:00 PM	2277	90 83					1	1					1	1			I	
5:30 PM	1888	73	-			-		-		-		-	-	-	1	-	1	
5:45 PM	1753	76	1		1				1	1	1		L .	L .			1	1
6:00 PM 6:15 PM	1641	74 51	<u> </u>				1	-		-			1	1			<u> </u>	
6:30 PM	799	34													1			
6:45 PM	399	14																
7:00 PM 7:15 PM	0	0																
7:30 PM	0	0																
7:45 PM	0	0																
8:00 PM 8:15 PM	0	0	<u> </u>					-		-							<del> </del>	
8:30 PM	0	0																
8:45 PM	0	0																_
9:00 PM 9:15 PM	0	0				-						-	-	-	-	1		
9:30 PM	0	0																
9:45 PM	0	0	12	2	12	E	12	9	12	12	12	A	12	12	14	7	12	12
WARRANTS	ATISE	D?	I S N	0	I J N	0	13	s	13	IZ S	13	4 N	0	12	14	N	10	13
				-		-							-				-	
Warrant Met: Notes:	Yes Conditio	on B was	s met	. Con	dition	B (7	0%) v	/as m	net.									

OMUTCD WARRANT 2, FOUR-HOUR VEHICULAR VOLUME								
Number of Lane Eacl	s for Moving h Approach	Traffic on	Total N	umber of Un	ique Hours	Met on Figu	re 4C-1	8
Major street: Minor Street:	2 or More L	anes	Total Num	12				
					1 40(01)			
Built up Isola	ated Commu	nity with Les	s Than 10,00	0 Population	n or Above 4	40 MPH on N	lajor Street?	Yes
Hour Interval		Raw Traf	ic Counts		Total Major	Highest Actual Minor Street	Hour	Hour
Beginning At	Major - Woo	odman Drive	Minor - East	man Avenue	Approach	Approach	Met?	Met? (70% Eactor)
6:00 AM	N-Bound	S-Bound	W-Bound	E-Bound	volumes 040	Volumes		(70%1 actor)
6:00 AM 6:15 AM	40 I 558	496	55 70	1	949	55 70		Met
6:30 AM	660	686	87	1	1346	87	Met	mot
6:45 AM	778	851	106	1	1629	106		
7:00 AM	868	1025	163	1	1893	163		
7:15 AM	913	1065	1/8	1	1978	1/8	Mot	Met
7.30 AM 7:45 AM	821	1092	213	2	1963	213	IVIEL	
8:00 AM	729	922	188	3	1678	188		
8:15 AM	637	844	169	4	1481	169		Met
8:30 AM	612	774	139	3	1386	139	Met	
8:45 AM	589	670	100	2	1259	100	-	
9:00 AM	555 552	650	79	1	1205	79		Mot
9:30 AM	558	639	77	5	1197	77		Met
9:45 AM	564	640	77	9	1204	77		
10:00 AM	592	635	72	10	1227	72		
10:15 AM	611	643	70	10	1254	70		Met
10:30 AM	621	653	67	9	1274	67		
10:45 AM	648	640	63	7	1287	67		
11:15 AM	723	637	63	8	1360	63		Met
11:30 AM	746	655	65	7	1401	65		mot
11:45 AM	736	665	67	5	1401	67		
12:00 PM	717	679	64	5	1396	64		
12:15 PM	706	698	68	1	1404	68		Met
12:30 PM 12:45 PM	695 714	675 651	70	1	1370	70		
12.43 FM	714	613	86	2	1303	86	Met	
1:15 PM	753	609	92	3	1362	92		Met
1:30 PM	807	622	111	3	1429	111		
1:45 PM	848	679	120	3	1527	120		
2:00 PM	907	734	125	3	1641	125	Met	
2:15 PM	964	/83 823	153	3	1/4/	153		Met
2.30 FM 2:45 PM	1035	916	139	6	2008	140		
3:00 PM	1151	988	196	8	2139	196	Met	
3:15 PM	1129	1029	200	10	2158	200		Met
3:30 PM	1099	1084	206	10	2183	206		
3:45 PM	1113	1062	206	11	2175	206	Mot	
4:00 PM	1154	1060	150	8 7	2214	150	iviet	Met
4:30 PM	1317	1089	106	7	2406	106	1	Mot
4:45 PM	1272	1098	95	4	2370	95		
5:00 PM	1204	1073	90	5	2277	90	Met	
5:15 PM	1090	975	83	8	2065	83	ļ	Met
5:30 PM	971	917	/3	7	1888	/3		
5:45 PM 6:00 PM	905 864	048 777	70 74	о 4	1753	70 74	<del> </del>	
6:15 PM	645	590	51	1	1235	51	1	
6:30 PM	420	379	34	1	799	34		
6:45 PM	225	174	14	1	399	14		
7:00 PM	0	0	0	0	0	0	ļ	
7:15 PM	0	0	0	0	0	0	<b> </b>	
7:30 PM	0	0	0	0	0	0	<del> </del>	
8:00 PM	0	0	0	0	0	0	1	



4th Highest Hour	4:30 PM	5:30 PM	2406	10	6
Top Hours for Figure 4C-2	Start Time	End Time	Major Street	Minor Street	
Top Hour	7:45 AM	8:45 AM	1870	21	3
2nd Highest Hour	3:30 PM	4:30 PM	2183	20	6
3rd Highest Hour	2:15 PM	3:15 PM	1747	15	3
4th Highest Hour	4:30 PM	5:30 PM	2406	10	6



Are the requirements for Warrant 2 met?: Yes

OMUTCD WARRANT 3, PEAK HOUR								
Number of Lanes for Moving Traffic on Each Approach	Peak Hour Start time	7:45 AM						
Major Street: 2 or More Lanes								
Minor Street: 1 Lane	Peak Hour End Time	8:45 AM						

	Built up Isolated Community with Less Than 10,000 Population or Above 40 MPH on Major Street?	Yes
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Is this signal warrant being applied for an unusual case, such as office complexes, manufacturing plants,	
industrial complexes, or high-occupancy vehicle facilities that attract or discharge large numbers of	No
vehicles over a short time?	

Indicate whether all three of the following conditions for the same 1 hour (any four consecutive 15-minute periods) of an average day are present*					
Does the total stopped time delay experienced by the traffic on one minor-street approach (one direction only) controlled by a STOP sign equal or exceed 4 vehicle-hours for a one-lane approach or 5 vehicle- hours for a two-lane approach?	No				
Does the volume on the same minor-street approach (one direction only) equal or exceed 100 vehicles per hour for one moving lane of traffic or 150 vehicles per hour for two moving lanes?	Yes				
Does the total entering volume serviced during the hour equal or exceed 650 vehicles per hour for intersection with three approaches or 800 vehicles per hour for intersections with four or more approaches?	Yes				
*If applicable, attach all supporting calculations and documentation.					



Hour Interval Beginning At         Major Street Vehicles Per Hour (VPH)         Highest Minor Street and Vehicles Per Hour (VPH)         Sum of Major Street and Highest Minor Street         Sum of Major Street and Minor Street           6:00 AM         949         55         1004         1005           6:30 AM         1165         70         1235         1236           6:30 AM         1346         87         1433         1434           6:45 AM         1629         106         1735         1736           7:00 AM         1893         163         2056         2057           7:15 AM         1978         1778         2156         2157           7:30 AM         1983         193         2176         2178 <b>7:45 AM</b> 1651         188         1839         1842           8:30 AM         1265         1528         1525         1528           8:45 AM         1205         79         1284         1285           9:15 AM         1485         75         1260         1263           9:30 AM         1197         77         1274         1279           9:45 AM         1204         77         1284         1361           10:00 AM <t< th=""><th colspan="10">Hour Vehicular Volume</th></t<>	Hour Vehicular Volume									
6:00 AM         949         55         1004         1005           6:15 AM         1165         70         1235         1236           6:30 AM         1346         87         1433         11434           6:45 AM         1629         106         1735         1736           7:00 AM         1893         163         2056         2057           7:15 AM         1978         178         2156         2157           7:30 AM         1883         193         2176         2178           7:45 AM         1870         213         2083         2085           8:00 AM         1651         188         1839         1842           8:15 AM         1481         169         1650         1654           8:30 AM         1386         139         1525         1528           8:45 AM         1259         100         1359         1361           9:00 AM         1197         77         1274         1279           9:00 AM         1227         72         1299         1309           10:50 AM         1224         70         1324         1334           10:30 AM         1274         67	Hour Interval Beginning At	Major Street Combined Vehicles Per Hour (VPH)	Highest Minor Street Approach Vehicles Per Hour (VPH)	Sum of Major Street and Highest Minor Street	Sum of Major Street and Combined Minor Street					
6:15 AM         1165         70         1235         1236           6:30 AM         1346         87         1433         1434           6:45 AM         1629         106         1735         1736           7:00 AM         1893         163         2056         2057           7:15 AM         1978         1778         2156         2157           7:30 AM         1983         193         2176         2178 <b>7:45 AM</b> 1870         213         2083         2085           8:00 AM         1651         188         1839         1842           8:15 AM         1481         169         1650         1654           8:30 AM         1326         100         1359         1361           9:00 AM         1205         79         1284         1283           9:15 AM         1185         75         1260         1263           9:30 AM         127         72         1299         1309           10:05 AM         127         72         1299         1309           10:16 AM         127         67         1354         1361           11:00 AM         127         63	6:00 AM	949	55	1004	1005					
6:30 AM         1346         87         1433         1434           6:45 AM         1629         106         1735         1736           7:00 AM         1993         163         2056         2057           7:15 AM         1978         178         2156         2157           7:30 AM         1983         193         2176         2178           7:45 AM         1870         213         2083         2085           8:00 AM         1651         188         1839         1842           8:15 AM         1481         169         1650         1554           8:30 AM         1386         139         1525         1528           8:45 AM         1259         100         1359         1361           9:00 AM         1197         77         1274         1279           9:45 AM         1204         77         1281         1290           10:00 AM         1227         72         1299         1309           10:45 AM         1264         70         1324         1334           10:30 AM         1274         67         1341         1350           10:45 AM         1280         63	6:15 AM	1165	70	1235	1236					
6.45 AM         1629         106         1735         1736           7:00 AM         1893         163         2056         2057           7:15 AM         1978         178         2156         2157           7:30 AM         1883         193         2176         2178           7:45 AM         1870         213         2083         2085           8:00 AM         1651         188         1839         1842           8:15 AM         1481         169         1650         1654           8:30 AM         1386         139         1525         1528           8:45 AM         1259         100         1359         1361           9:00 AM         1025         79         1284         1285           9:15 AM         1185         75         1260         1263           9:30 AM         1197         77         1281         1290           10:00 AM         1227         72         1299         1309           10:15 AM         1254         70         1324         1334           10:30 AM         1274         67         1354         1361           11:10 AM         1360         63	6:30 AM	1346	87	1433	1434					
1.32         1.32         1.32         1.32           7:00 AM         1933         163         2056         2057           7:15 AM         1978         178         2156         2157           7:30 AM         1983         193         2176         2178 <b>7:45 AM</b> 1870         213         2083         2085           8:00 AM         1651         188         1839         1842           8:15 AM         1481         169         1650         1654           8:30 AM         1386         139         1525         1528           8:45 AM         1205         79         1284         1283           9:00 AM         1205         79         1284         1283           9:30 AM         1197         77         1274         1279           9:45 AM         1204         77         1281         1290           10:00 AM         1227         72         1299         1309           10:15 AM         1264         70         1324         1361           11:00 AM         127         63         1390         1397           11:15 AM         1360         63         1423	6:45 AM	1629	106	1735	1736					
1.30         1.30         1.200         1.200         1.200           7.15 AM         1978         178         2156         2157           7:30 AM         1983         193         2176         2178           7:45 AM         1870         213         2083         2085           8:00 AM         1651         188         1839         1842           8:15 AM         1481         169         1650         1654           8:30 AM         1386         139         1525         1528           8:45 AM         1259         100         1359         1361           9:00 AM         1205         79         1284         1285           9:15 AM         1185         75         1260         1263           9:30 AM         1207         72         1299         1309           10:15 AM         1254         70         1324         1334           10:30 AM         1277         63         1390         1397           11:15 AM         1360         63         1423         1431           11:00 AM         1327         63         1390         1397           11:15 AM         1360         63	7:00 AM	1893	163	2056	2057					
7.13 AW       1976       1178       2133       2137         7.30 AM       1983       193       2176       2178         7.45 AM       1870       213       2083       2085         8:00 AM       1651       188       1839       1842         8:15 AM       1481       169       1650       1654         8:30 AM       1386       139       1525       1528         8:45 AM       1259       100       1359       1361         9:00 AM       1205       79       1284       1285         9:30 AM       1197       77       1274       1279         9:45 AM       1227       72       1299       1309         10:15 AM       1254       70       1324       1334         10:30 AM       1274       67       1354       1361         11:00 AM       1327       63       1390       1397         11:15 AM       1360       63       1423       14431         11:30 AM       1401       67       1468       1473         12:30 PM       1370       70       1440       1441         12:45 PM       1365       78       14433       <	7:15 AM	1035	179	2050	2007					
7:45         7:46         7:45         7:44         7:45         7:45         7:44         7:45         7:45         7:5         7:284         7:284         7:2825         7:528         7:5         7:260         7:263         7:5         7:260         7:263         7:374         7:279         9:45         7:7         7:274         7:279         9:45         7:0         7:324         7:334           10:00 AM         1227         72         729         1341         1350         1390         1397           11:15 AM         1287         67         1354         1334         10:30 AM         1287         63         1390         1397           11:1:15 AM         1360         63         1423         1431         1431         1431         1431           11:30 AM         1401         67         1468         1473         1443         1445           12:00 PM         1396	7:30 AM	1970	103	2130	2137					
B:00 AM         1610         2100         2100         2100           8:10 AM         1481         169         1650         1654           8:30 AM         1386         139         1525         1528           8:45 AM         1259         100         1359         1361           9:00 AM         1205         79         1284         1285           9:15 AM         1185         75         1260         1263           9:30 AM         1197         77         1274         1279           9:45 AM         1204         77         1281         1290           10:00 AM         1227         72         1299         1334           10:30 AM         1274         67         1341         1350           10:45 AM         1287         67         1354         1361           11:00 AM         1327         63         1390         1397           11:15 AM         1360         63         1423         1431           11:30 AM         1401         67         1468         1473           12:30 PM         1370         70         1440         1441           12:45 PM         1362         92	7:45 AM	1965	213	2083	2170					
8:15 AM         1481         169         1650         1654           8:30 AM         1386         139         1525         1528           8:45 AM         1259         100         1359         1361           9:00 AM         1205         79         1284         1285           9:15 AM         1185         75         1260         1263           9:30 AM         1204         77         1281         1290           10:00 AM         1227         72         1299         1309           10:15 AM         1254         70         1324         1334           10:30 AM         1276         67         1354         1361           11:00 AM         1327         63         1390         1397           11:15 AM         1360         63         1423         1431           11:30 AM         1401         67         1466         1473           12:30 PM         1396         64         1460         1465           12:315 PM         1404         68         1472         1473           12:30 PM         1324         86         1410         1441           12:45 PM         1365         78	8:00 AM	1651	188	1839	1842					
8:30 AM         1386         139         1525         1528           8:45 AM         1259         100         1359         1361           9:00 AM         1205         79         1284         1285           9:15 AM         1185         75         1260         1263           9:30 AM         1197         77         1274         1279           9:45 AM         1204         77         1281         1290           10:00 AM         1227         72         1299         1309           10:15 AM         1254         70         1324         1334           10:30 AM         1274         67         1354         1361           11:15 AM         1360         63         1423         1431           11:30 AM         1401         65         1466         1473           11:45 AM         1401         67         1468         1473           12:30 PM         1300         70         1440         1441           12:45 PM         1404         68         1472         1473           12:30 PM         1362         92         1454         1445           1:00 PM         1324         86	8:15 AM	1481	169	1650	1654					
8:45 AM         1259         100         1359         1361           9:00 AM         1205         79         1284         1285           9:15 AM         1185         75         1260         1263           9:30 AM         1197         77         1274         1279           9:45 AM         1204         77         1281         1290           10:00 AM         1227         72         1299         1309           10:15 AM         1254         70         1324         1334           10:30 AM         1274         67         1341         1350           10:45 AM         1287         67         1354         1361           11:00 AM         1327         63         1390         1397           11:15 AM         1360         63         1423         1431           11:30 AM         1401         65         1466         1473           11:45 AM         1404         68         1472         1473           12:30 PM         1370         70         1440         1441           12:45 PM         1365         78         1443         14457           1:30 PM         1362         92	8:30 AM	1386	139	1525	1528					
9:00 AM         1205         79         1284         1285           9:15 AM         1185         75         1260         1263           9:30 AM         1197         77         1274         1279           9:45 AM         1204         77         1281         1290           10:00 AM         1227         72         1299         1309           10:15 AM         1284         70         1324         1334           10:30 AM         1274         67         1341         1350           10:45 AM         1287         67         1354         1361           11:00 AM         1327         63         1390         1397           11:15 AM         1360         63         1423         1431           11:30 AM         1401         67         1468         1473           12:00 PM         1396         64         1460         1465           12:15 PM         1404         68         1472         1473           12:30 PM         1370         70         1440         1441           12:45 PM         1365         78         1443         1445           1:00 PM         1324         86	8:45 AM	1259	100	1359	1361					
9:15 AM         1185         75         1260         1263           9:30 AM         1197         77         1274         1279           9:45 AM         1204         77         1281         1290           10:00 AM         1227         72         1299         1309           10:15 AM         1254         70         1324         1334           10:30 AM         1227         67         1341         1350           10:45 AM         1287         67         1354         1361           11:00 AM         1327         63         1390         1397           11:15 AM         1360         63         1423         1431           11:30 AM         1401         67         1468         1473           12:00 PM         1396         64         1460         1465           12:15 PM         1404         68         1472         1473           12:30 PM         1370         70         1440         1441           12:45 PM         1365         78         1443         1445           1:00 PM         1324         86         1410         1412           1:15 PM         1362         92	9:00 AM	1205	79	1284	1285					
9:30 AM       1197       77       1274       1279         9:45 AM       1204       77       1281       1290         10:00 AM       1227       72       1299       1304         10:15 AM       1254       70       1324       1334         10:30 AM       1274       67       1341       1350         10:45 AM       1287       63       1390       1397         11:15 AM       1360       63       1423       1431         11:30 AM       1401       65       1466       1473         11:45 AM       1360       64       1460       1465         12:00 PM       1396       64       1460       1465         12:30 PM       1370       70       1440       1441         12:45 PM       1365       78       1443       1445         1:00 PM       1324       86       1410       1412         1:15 PM       1362       92       1454       1453         1:30 PM       1429       111       1540       1543         1:45 PM       1362       92       1454       1457         1:30 PM       1429       111       1540       15	9:15 AM	1185	75	1260	1263					
9:45 AM         1204         77         1281         1290           10:00 AM         1227         72         1299         1309           10:15 AM         1254         70         1324         1334           10:30 AM         1274         67         1341         1350           10:45 AM         1287         67         1354         1361           11:00 AM         1327         63         1390         1397           11:15 AM         1360         63         1423         1431           11:30 AM         1401         65         1466         1473           12:00 PM         1396         64         1460         1465           12:15 PM         1404         68         1472         1473           12:30 PM         1370         70         1440         1441           12:45 PM         1365         78         1443         14457           1:30 PM         1324         86         1410         1412           1:15 PM         1362         92         1454         1457           1:30 PM         1429         111         1540         1543           1:45 PM         1527         120	9:30 AM	1197	77	1274	1279					
10:00 AM         1227         72         1299         1309           10:15 AM         1254         70         1324         1334           10:30 AM         1274         67         1341         1350           10:45 AM         1287         63         1390         1397           11:15 AM         1360         63         1423         1431           11:30 AM         1401         65         1466         1473           11:45 AM         1401         67         1468         1473           11:45 AM         1401         67         1468         1473           12:00 PM         1396         64         1460         1465           12:15 PM         1404         68         1472         1473           12:30 PM         1324         86         1410         1412           1:15 PM         1362         92         1454         1457           1:30 PM         1327         120         1647         1650           2:00 PM         1641         125         1766         1769           2:15 PM         1747         153         1900         1903           2:30 PM         1858         146	9:45 AM	1204	77	1281	1290					
10:15 AM         1254         70         1324         1334           10:30 AM         1274         67         1341         1350           10:45 AM         1287         67         1354         1361           11:00 AM         1327         63         1390         1397           11:15 AM         1360         63         1423         1431           11:30 AM         1401         65         1466         1473           11:45 AM         1401         67         1468         1473           12:00 PM         1396         64         1460         1465           12:15 PM         1404         68         1472         1473           12:30 PM         1370         70         1440         1441           12:45 PM         1365         78         1443         1445           1:00 PM         1324         86         1410         1412           1:15 PM         1362         92         1454         1457           1:30 PM         1429         111         1540         1543           1:45 PM         1527         120         1647         1650           2:00 PM         1641         125	10:00 AM	1227	72	1299	1309					
10:30 AM         1274         67         1341         1350           10:45 AM         1287         67         1354         1361           11:00 AM         1327         63         1390         1397           11:15 AM         1360         63         1423         1431           11:30 AM         1401         65         1466         1473           11:45 AM         1396         64         1460         1465           12:15 PM         1404         68         1472         1473           12:30 PM         1370         70         14441         1441           12:45 PM         1365         78         1443         1445           1:00 PM         1324         86         1410         1412           1:15 PM         1362         92         1454         1457           1:30 PM         1327         120         1647         1650           2:00 PM         1641         125         1766         1769           2:15 PM         1747         153         1900         1903           2:30 PM         1858         146         2004         2008           2:45 PM         2008         139	10:15 AM	1254	70	1324	1334					
10:45 AM         1287         67         1354         1361           11:00 AM         1327         63         1390         1397           11:15 AM         1360         63         1423         1431           11:30 AM         1401         65         1466         1473           11:45 AM         1401         67         1468         1473           12:00 PM         1396         64         1460         1465           12:15 PM         1404         68         1472         1473           12:30 PM         1370         70         1440         1441           12:45 PM         1365         78         1443         1445           1:00 PM         1324         86         1410         1412           1:15 PM         1362         92         1454         1457           1:30 PM         1429         111         1540         1543           1:45 PM         1527         120         1647         1650           2:00 PM         1641         125         1766         1769           2:30 PM         1858         146         2004         2008           2:45 PM         2008         139	10:30 AM	1274	67	1341	1350					
11:00 AM         1327         63         1390         1397           11:15 AM         1360         63         1423         1431           11:30 AM         1401         65         1466         1473           11:45 AM         1401         67         1468         1473           11:45 AM         1401         67         1468         1473           12:00 PM         1396         64         1460         1465           12:15 PM         1404         68         1472         1473           12:30 PM         1370         70         1440         1441           12:45 PM         1362         92         1454         1457           1:00 PM         1324         86         1410         1412           1:15 PM         1362         92         1454         1457           1:30 PM         1429         111         1540         1543           1:45 PM         1527         120         1647         1650           2:00 PM         1641         125         1766         1769           2:15 PM         1747         153         1900         1903           2:30 PM         1858         146	10:45 AM	1287	67	1354	1361					
11:15 AM         1360         63         1423         1431           11:30 AM         1401         65         1466         1473           11:45 AM         1401         67         1468         1473           12:00 PM         1396         64         1460         1465           12:15 PM         1404         68         1472         1473           12:30 PM         1370         70         1440         1441           12:45 PM         1365         78         1443         1445           1:00 PM         1324         86         1410         1412           1:15 PM         1362         92         1454         1457           1:30 PM         1324         86         1410         1412           1:15 PM         1362         92         1454         1457           1:30 PM         1429         111         1540         1543           1:45 PM         1527         120         1647         1650           2:00 PM         1641         125         1766         1769           2:15 PM         1747         153         1900         1903           2:30 PM         1858         146	11:00 AM	1327	63	1390	1397					
11:30 AM       1401       65       1466       1473         11:45 AM       1401       67       1468       1473         12:00 PM       1396       64       1460       1465         12:15 PM       1404       68       1472       1473         12:30 PM       1370       70       1440       1441         12:45 PM       1365       78       1443       1445         1:00 PM       1324       86       1410       1412         1:15 PM       1362       92       1454       1457         1:30 PM       1429       111       1540       1543         1:45 PM       1527       120       1647       1650         2:00 PM       1641       125       1766       1769         2:15 PM       1747       153       1900       1903         2:30 PM       1858       146       2004       2008         2:45 PM       2008       139       2147       2153         3:00 PM       2139       196       2335       2343         3:15 PM       2158       206       2381       2392         4:00 PM       2143       206       2384 <td< td=""><td>11:15 AM</td><td>1360</td><td>63</td><td>1423</td><td>1431</td></td<>	11:15 AM	1360	63	1423	1431					
11:45 AM         1401         67         1468         1473           12:00 PM         1396         64         1460         1465           12:15 PM         1404         68         1472         1473           12:30 PM         1370         70         1440         1441           12:45 PM         1365         78         1443         1445           1:00 PM         1324         86         1410         1412           1:15 PM         1362         92         1454         1457           1:30 PM         1429         111         1540         1543           1:45 PM         1527         120         1647         1650           2:00 PM         1641         125         1766         1769           2:15 PM         1747         153         1900         1903           2:30 PM         1858         146         2004         2008           2:45 PM         2008         139         2147         2153           3:00 PM         2139         196         2335         2343           3:15 PM         2158         200         2381         2392           4:00 PM         2141         150	11:30 AM	1401	65	1466	1473					
12:00 PM         1396         64         1460         1465           12:15 PM         1404         68         1472         1473           12:30 PM         1370         70         1440         1441           12:45 PM         1365         78         1443         1445           1:00 PM         1324         86         1410         1412           1:15 PM         1362         92         1454         1457           1:30 PM         1429         111         1540         1543           1:45 PM         1527         120         1647         1650           2:00 PM         1641         125         1766         1769           2:15 PM         1747         153         1900         1903           2:30 PM         1858         146         2004         2008           2:45 PM         2008         139         2147         2153           3:00 PM         2139         196         2335         2343           3:15 PM         2158         200         2358         2368           3:30 PM         2183         206         2381         2392           4:00 PM         214         150	11:45 AM	1401	67	1468	1473					
12:15 PM         1404         68         1472         1473           12:30 PM         1370         70         1440         1441           12:45 PM         1365         78         1443         1445           1:00 PM         1324         86         1410         1412           1:15 PM         1362         92         1454         1457           1:30 PM         1429         111         1540         1543           1:45 PM         1527         120         1647         1650           2:00 PM         1641         125         1766         1769           2:15 PM         1747         153         1900         1903           2:30 PM         1858         146         2004         2008           2:45 PM         2008         139         2147         2153           3:00 PM         2139         196         2335         2343           3:15 PM         2158         200         2358         2368           3:30 PM         2183         206         2381         2392           4:00 PM         2141         150         2364         2372           4:15 PM         2338         113	12:00 PM	1396	64	1460	1465					
12:30 PM         1370         70         1440         1441           12:45 PM         1365         78         1443         1441           1:00 PM         1324         86         1410         1412           1:15 PM         1362         92         1454         1457           1:30 PM         1429         111         1540         1543           1:45 PM         1527         120         1647         1650           2:00 PM         1641         125         1766         1769           2:15 PM         1747         153         1900         1903           2:30 PM         1858         146         2004         2008           2:45 PM         2008         139         2147         2153           3:00 PM         2139         196         2335         2343           3:15 PM         2158         200         2358         2368           3:30 PM         2183         206         2381         2392           4:00 PM         2214         150         2364         2372           4:15 PM         2338         113         2451         2458           4:30 PM         2406         106	12:15 PM	1404	68	1472	14/3					
12:45 PM         1365         78         1443         1445           1:00 PM         1324         86         1410         1412           1:15 PM         1362         92         1454         1457           1:30 PM         1429         111         1540         1543           1:45 PM         1527         120         1647         1650           2:00 PM         1641         125         1766         1769           2:15 PM         1747         153         1900         1903           2:30 PM         1858         146         2004         2008           2:45 PM         2008         139         2147         2153           3:00 PM         2139         196         2335         2343           3:15 PM         2158         200         2358         2368           3:30 PM         2183         206         2389         2399           3:45 PM         2175         206         2381         2392           4:00 PM         2214         150         2364         2372           4:15 PM         2338         113         2451         2458           4:30 PM         2406         106	12:30 PM	1370	70	1440	1441					
1.00 PM         1324         86         1410         1412           1:15 PM         1362         92         1454         1457           1:30 PM         1429         111         1540         1543           1:45 PM         1527         120         1647         1650           2:00 PM         1641         125         1766         1769           2:15 PM         1747         153         1900         1903           2:30 PM         1858         146         2004         2008           2:45 PM         2008         139         2147         2153           3:00 PM         2139         196         2335         2343           3:15 PM         2158         200         2358         2368           3:30 PM         2183         206         2381         2392           4:00 PM         214         150         2364         2372           4:15 PM         2338         113         2451         2458           4:30 PM         2406         106         2512         2519           4:45 PM         2370         95         2465         2469           5:00 PM         2277         90	12:45 PM	1365	/8	1443	1445					
1:13 PM       1362       92       1434       1437         1:30 PM       1429       111       1540       1543         1:45 PM       1527       120       1647       1650         2:00 PM       1641       125       1766       1769         2:15 PM       1747       153       1900       1903         2:30 PM       1858       146       2004       2008         2:45 PM       2008       139       2147       2153         3:00 PM       2139       196       2335       2343         3:15 PM       2158       200       2358       2368         3:30 PM       2183       206       2389       2399         3:45 PM       2175       206       2381       2392         4:00 PM       214       150       2364       2372         4:15 PM       2338       113       2451       2458         4:30 PM       2406       106       2512       2519         4:45 PM       2370       95       2465       2469         5:00 PM       2277       90       2367       2372         5:15 PM       2065       83       2148       21	1:15 PM	1324	86	1410	1412					
1:30 FM       142.9       111       1340       1343         1:45 PM       1527       120       1647       1650         2:00 PM       1641       125       1766       1769         2:15 PM       1747       153       1900       1903         2:30 PM       1858       146       2004       2008         2:45 PM       2008       139       2147       2153         3:00 PM       2139       196       2335       2343         3:15 PM       2158       200       2358       2368         3:30 PM       2183       206       2389       2399         3:45 PM       2175       206       2381       2392         4:00 PM       2214       150       2364       2372         4:15 PM       2338       113       2451       2458         4:30 PM       2406       106       2512       2519         4:45 PM       2370       95       2465       2469         5:00 PM       2277       90       2367       2372         5:15 PM       2065       83       2148       2156         5:30 PM       1888       73       1961	1.13 FM	1302	92	1404	1407					
1.40 FM         1327         120         1047         1030           2:00 PM         1641         125         1766         1769           2:15 PM         1747         153         1900         1903           2:30 PM         1858         146         2004         2008           2:45 PM         2008         139         2147         2153           3:00 PM         2139         196         2335         2343           3:15 PM         2158         200         2358         2368           3:30 PM         2183         206         2389         2399           3:45 PM         2175         206         2381         2392           4:00 PM         2214         150         2364         2372           4:15 PM         2338         113         2451         2458           4:30 PM         2406         106         2512         2519           4:45 PM         2370         95         2465         2469           5:00 PM         2277         90         2367         2372           5:15 PM         2065         83         2148         2156           5:30 PM         1888         73	1:45 PM	1429	120	1647	1043					
2:30 PM         1747         123         1700         1703           2:15 PM         1747         153         1900         1903           2:30 PM         1858         146         2004         2008           2:45 PM         2008         139         2147         2153           3:00 PM         2139         196         2335         2343           3:15 PM         2158         200         2358         2368           3:30 PM         2183         206         2389         2399           3:45 PM         2175         206         2381         2392           4:00 PM         2214         150         2364         2372           4:15 PM         2338         113         2451         2458           4:30 PM         2406         106         2512         2519           4:45 PM         2370         95         2465         2469           5:00 PM         2277         90         2367         2372           5:15 PM         2065         83         2148         2156           5:30 PM         1888         73         1961         1968           5:45 PM         1753         76	2:00 PM	1641	120	1766	1769					
2:30 PM         1858         146         2004         2008           2:45 PM         2008         139         2147         2153           3:00 PM         2139         196         2335         2343           3:15 PM         2158         200         2358         2368           3:30 PM         2183         206         2389         2399           3:45 PM         2175         206         2381         2392           4:00 PM         2214         150         2364         2372           4:15 PM         2338         113         2451         2458           4:30 PM         2406         106         2512         2519           4:45 PM         2370         95         2465         2469           5:00 PM         2277         90         2367         2372           5:15 PM         2065         83         2148         2156           5:30 PM         1888         73         1961         1968           5:45 PM         1753         76         1829         1835           6:00 PM         1641         74         1715         1719           6:15 PM         1235         51         <	2:15 PM	1747	153	1900	1903					
2:45 PM         2008         139         2147         2153           3:00 PM         2139         196         2335         2343           3:15 PM         2158         200         2358         2368           3:30 PM         2183         206         2389         2399           3:45 PM         2175         206         2381         2392           4:00 PM         2214         150         2364         2372           4:15 PM         2338         113         2451         2458           4:30 PM         2406         106         2512         2519           4:45 PM         2370         95         2465         2469           5:00 PM         2277         90         2367         2372           5:15 PM         2065         83         2148         2156           5:30 PM         1888         73         1961         1968           5:45 PM         1753         76         1829         1835           6:00 PM         1641         74         1715         1719           6:15 PM         1235         51         1286         1287           6:30 PM         799         34 <td< td=""><td>2:30 PM</td><td>1858</td><td>146</td><td>2004</td><td>2008</td></td<>	2:30 PM	1858	146	2004	2008					
3:00 PM         2139         196         2335         2343           3:15 PM         2158         200         2358         2368           3:30 PM         2183         206         2389         2399           3:45 PM         2175         206         2381         2392           4:00 PM         2214         150         2364         2372           4:15 PM         2338         113         2451         2458           4:30 PM         2406         106         2512         2519           4:45 PM         2370         95         2465         2469           5:00 PM         2277         90         2367         2372           5:15 PM         2065         83         2148         2156           5:30 PM         1888         73         1961         1968           5:45 PM         1753         76         1829         1835           6:00 PM         1641         74         1715         1719           6:15 PM         1235         51         1286         1287           6:30 PM         799         34         833         834           6:45 PM         399         14         413	2:45 PM	2008	139	2147	2153					
3:15 PM         2158         200         2358         2368           3:30 PM         2183         206         2389         2399           3:45 PM         2175         206         2381         2392           4:00 PM         2214         150         2364         2372           4:15 PM         2338         113         2451         2458           4:30 PM         2406         106         2512         2519           4:45 PM         2370         95         2465         2469           5:00 PM         2277         90         2367         2372           5:15 PM         2065         83         2148         2156           5:30 PM         1888         73         1961         1968           5:45 PM         1753         76         1829         1835           6:00 PM         1641         74         1715         1719           6:15 PM         1235         51         1286         1287           6:30 PM         799         34         833         834           6:45 PM         399         14         413         414           7:00 PM         0         0         0	3:00 PM	2139	196	2335	2343					
3:30 PM         2183         206         2389         2399           3:45 PM         2175         206         2381         2392           4:00 PM         2214         150         2364         2372           4:15 PM         2338         113         2451         2458           4:30 PM         2406         106         2512         2519           4:45 PM         2370         95         2465         2469           5:00 PM         2277         90         2367         2372           5:15 PM         2065         83         2148         2156           5:30 PM         1888         73         1961         1968           5:45 PM         1753         76         1829         1835           6:00 PM         1641         74         1715         1719           6:15 PM         1235         51         1286         1287           6:30 PM         799         34         833         834           6:45 PM         399         14         413         414           7:00 PM         0         0         0         0           7:15 PM         0         0         0         0<	3:15 PM	2158	200	2358	2368					
3:45 PM         2175         206         2381         2392           4:00 PM         2214         150         2364         2372           4:15 PM         2338         113         2451         2458           4:30 PM         2406         106         2512         2519           4:45 PM         2370         95         2465         2469           5:00 PM         2277         90         2367         2372           5:15 PM         2065         83         2148         2156           5:30 PM         1888         73         1961         1968           5:30 PM         1888         73         1961         1968           5:45 PM         1753         76         1829         1835           6:00 PM         1641         74         1715         1719           6:15 PM         1235         51         1286         1287           6:30 PM         799         34         833         834           6:45 PM         399         14         413         414           7:00 PM         0         0         0         0           7:15 PM         0         0         0         0 </td <td>3:30 PM</td> <td>2183</td> <td>206</td> <td>2389</td> <td>2399</td>	3:30 PM	2183	206	2389	2399					
4.00 PM       2214       150       2364       2372         4:15 PM       2338       113       2451       2458         4:30 PM       2406       106       2512       2519         4:45 PM       2370       95       2465       2469         5:00 PM       2277       90       2367       2372         5:15 PM       2065       83       2148       2156         5:30 PM       1888       73       1961       1968         5:45 PM       1753       76       1829       1835         6:00 PM       1641       74       1715       1719         6:15 PM       1625       51       1286       1287         6:30 PM       799       34       833       834         6:45 PM       399       14       413       414         7:00 PM       0       0       0       0         7:15 PM       0       0       0       0       0         7:30 PM       0       0       0       0       0         7:45 PM       0       0       0       0       0         8:00 PM       0       0       0       0	3:45 PM	2175	206	2381	2392					
4:30 PM         2330         113         2431         2438           4:30 PM         2406         106         2512         2519           4:45 PM         2370         95         2465         2469           5:00 PM         2277         90         2367         2372           5:15 PM         2065         83         2148         2156           5:30 PM         1888         73         1961         1968           5:30 PM         1888         73         1961         1968           5:45 PM         1753         76         1829         1835           6:00 PM         1641         74         1715         1719           6:15 PM         1235         51         1286         1287           6:30 PM         799         34         833         834           6:45 PM         399         14         413         414           7:00 PM         0         0         0         0           7:15 PM         0         0         0         0         0           7:30 PM         0         0         0         0         0         0           7:45 PM         0         0	4.00 PM	2214	150	2364	23/2					
A:367 PM         2400         100         2512         2515           4:45 PM         2370         95         2465         2469           5:00 PM         2277         90         2367         2372           5:15 PM         2065         83         2148         2156           5:30 PM         1888         73         1961         1968           5:45 PM         1753         76         1829         1835           6:00 PM         1641         74         1715         1719           6:15 PM         1235         51         1286         1287           6:30 PM         799         34         833         834           6:45 PM         399         14         413         414           7:00 PM         0         0         0         0           7:15 PM         0         0         0         0         0           7:30 PM         0         0         0         0         0           7:45 PM         0         0         0         0         0           8:00 PM         0         0         0         0         0	4:30 PM	2336	106	2431	2400					
5:00 PM         2277         90         2367         2372           5:15 PM         2065         83         2148         2156           5:30 PM         1888         73         1961         1968           5:45 PM         1753         76         1829         1835           6:00 PM         1641         74         1715         1719           6:15 PM         1235         51         1286         1287           6:30 PM         799         34         833         834           6:45 PM         399         14         413         414           7:00 PM         0         0         0         0           7:15 PM         0         0         0         0           7:30 PM         0         0         0         0           7:45 PM         0         0         0         0           8:00 PM         0         0         0         0         0	4:45 PM	2370	95	2465	2469					
5:15 PM         2065         83         2148         2156           5:30 PM         1888         73         1961         1968           5:45 PM         1753         76         1829         1835           6:00 PM         1641         74         1715         1719           6:15 PM         1235         51         1286         1287           6:30 PM         799         34         833         834           6:45 PM         399         14         413         414           7:00 PM         0         0         0         0           7:15 PM         0         0         0         0         0           7:30 PM         0         0         0         0         0           7:45 PM         0         0         0         0         0           8:00 PM         0         0         0         0         0	5:00 PM	2277	90	2367	2372					
5:30 PM         1888         73         1961         1968           5:45 PM         1753         76         1829         1835           6:00 PM         1641         74         1715         1719           6:15 PM         1235         51         1286         1287           6:30 PM         799         34         833         834           6:45 PM         399         14         413         414           7:00 PM         0         0         0         0           7:15 PM         0         0         0         0           7:30 PM         0         0         0         0           7:45 PM         0         0         0         0           8:00 PM         0         0         0         0	5:15 PM	2065	83	2148	2156					
5:45 PM         1753         76         1829         1835           6:00 PM         1641         74         1715         1719           6:15 PM         1235         51         1286         1287           6:30 PM         799         34         833         834           6:45 PM         399         14         413         414           7:00 PM         0         0         0         0           7:15 PM         0         0         0         0           7:30 PM         0         0         0         0           7:45 PM         0         0         0         0           8:00 PM         0         0         0         0	5:30 PM	1888	73	1961	1968					
6:00 PM         1641         74         1715         1719           6:15 PM         1235         51         1286         1287           6:30 PM         799         34         833         834           6:45 PM         399         14         413         414           7:00 PM         0         0         0         0           7:15 PM         0         0         0         0           7:30 PM         0         0         0         0           7:45 PM         0         0         0         0           8:00 PM         0         0         0         0	5:45 PM	1753	76	1829	1835					
b:15 PM         1235         51         1286         1287           6:30 PM         799         34         833         834           6:45 PM         399         14         413         414           7:00 PM         0         0         0         0           7:15 PM         0         0         0         0           7:30 PM         0         0         0         0           7:45 PM         0         0         0         0           8:00 PM         0         0         0         0	6:00 PM	1641	74	1715	1719					
6:30 PM         /99         34         833         834           6:45 PM         399         14         413         414           7:00 PM         0         0         0         0           7:15 PM         0         0         0         0           7:30 PM         0         0         0         0           7:45 PM         0         0         0         0           8:00 PM         0         0         0         0	6:15 PM	1235	51	1286	1287					
0.45 FW         399         14         413         414           7:00 PM         0         0         0         0           7:15 PM         0         0         0         0           7:30 PM         0         0         0         0           7:30 PM         0         0         0         0           7:45 PM         0         0         0         0           8:00 PM         0         0         0         0	0:30 PM	799	34	833	834					
7:15 PM         0         0         0         0         0           7:30 PM         0         0         0         0         0         0           7:45 PM         0         0         0         0         0         0         0           8:00 PM         0         0         0         0         0         0         0	7.00 PM	0 0	14 0	413 0	414 0					
7:30 PM         0         0         0         0         0           7:45 PM         0         0         0         0         0         0           8:00 PM         0         0         0         0         0         0         0	7:15 PM	0	0	0	0					
7:45 PM         0 </td <td>7:30 PM</td> <td>Ő</td> <td>0</td> <td>0</td> <td>0</td>	7:30 PM	Ő	0	0	0					
8:00 PM 0 0 0	7:45 PM	0	0	0	0					
	8:00 PM	0	0	0	0					

Actual Peak Hour Major Traffic Volume	Actual Peak Hour Minor Traffic Volume	Required Peak Hour Minor Traffic Volume for Fig. 4C-3	Required Peak Hour Minor Traffic Volume for Fig. 4C-4
1870	213	100	75

Appendix E- ECAT Analysis

ECAT	Project Safety	Performance Repo	rt
Economic Crash Analysis Tool	Gener	al Information	
Project Name	Woodman Drive & Eastman Avenue	Contact Email	mkg@choiceoneengineering.com
Project Description	Intersection Improvements	Contact Phone	937-497-0200
Reference Number		Date Performed	2/13/2023
Analyst	MKG	Analysis Year	2023
Agency/Company	Choice One Engineering		



Project Summary Results (Without Animal Crashes)						
	KA	В	С	0	Total	
N <sub>predicted</sub> - Existing Conditions	0.1510	0.8240	1.3063	5.6137	7.8950	
N <sub>expected</sub> - Existing Conditions	0.1829	1.0077	1.6405	4.1532	6.9843	
$N_{\text{potential for improvement}}$ - Existing Conditions	0.0319	0.1837	0.3342	-1.4605	-0.9107	
N <sub>predicted</sub> - Proposed Conditions	0.0551	0.3045	0.4929	3.0657	3.9182	



ECAT	Safety Benefit - Cost Analysis				
Economic Crash Analysis Tool					
Project Name	Woodman Drive & Eastman Avenue	Contact Email	mkg@choiceoneengineering.com		
Project Description	Intersection Improvements	Contact Phone	937-497-0200		
Reference Number		Date Performed	2/13/2023		
Analyst	MKG	Analysis Year	2023		
Agency/Company	Choice One Engineering				
Select Site Types to be use	ed in Benefit-Cost Analysis:				

All Sites								
Countermeasure Service Lives, Costs, and Safety Benefits								
Countermeasures	Service Life (Years)	Initial Cost of Countermeasure	Annual Maintenance & Energy Costs	Salvage Value	Net Present Cost of Countermeasure	Total Cost of Countermeasures	Summary of Annual Crash Modifications	Net Present Value of Safety Benefits
Site Characteristic Improvements (i.e. Lane widening)		\$0.00			\$0.00	\$0.00		
Site Characteristic Improvements (i.e. Lighting)		\$0.00			\$0.00	\$0.00	0.221	¢02.082
Site Characteristic Improvements (i.e. Signal Phasing)		\$0.00			\$0.00	\$0.00	-0.231	\$93,983
Site Characteristic Improvements (i.e. Added Right Turn Lane)		\$0.00			\$0.00	\$0.00		
CMF 1 - Improve Signal Visibility	20	\$259,000.00			\$259,000.00	\$259,000.00	-0.643	\$702,230
CMF 2 - Improve Left Turn Lane offset to create positive offset	20	\$1,490,729.00			\$1,490,729.00	\$1,490,729.00	-2.373	\$835,381
CMF 3 - Advanced radar detection (all directions)	20	\$54,000.00			\$54,000.00	\$54,000.00	-0.381	\$134,445
CMF 4 - Install additional signal heads (to have one over each lane)	20	\$12,000.00			\$12,000.00	\$12,000.00	-0.349	\$155,516
		\$0.00			\$0.00	\$0.00	0.000	\$0
		\$0.00			\$0.00	\$0.00	0.000	\$0
		\$0.00			\$0.00	\$0.00	0.000	\$0
		\$0.00			\$0.00	\$0.00	0.000	\$0
		\$0.00			\$0.00	\$0.00	0.000	\$0
		\$0.00			\$0.00	\$0.00	0.000	\$0
Totals		\$1,815,729.00	\$0.00	\$0.00	\$1,815,729.00	\$1,815,729.00	-3.977	\$1,921,555







ECAT	Safety Benefit - Cost Analysis						
Economic Crash Analysis Tool	General Information						
Project Name	Woodman Drive & Eastman Avenue	Contact Email	mkg@choiceoneengineering.com				
Project Description	Intersection Improvements	Contact Phone	937-497-0200				
Reference Number		Date Performed	2/13/2023				
Analyst	MKG	Analysis Year	2023				
Agency/Company	Choice One Engineering						



#### Return on Investment (Safety Benefits and Project Investments)





Appendix F- Concept



<b>PROJECT DESCRIPTION</b> PROJECT CONSISTS OF THE COMPLETE RECONSTRUCTION OF WOODMAN DRIVE BETWEEN U.S. 35 AND EASTMAN ROAD INCLUDING THE INSTALLATION OF A SHARED USE PATH, ADDITION OF SIDEWALKS, INSTALLATION OF STREET LIGHTING, AND REPLACEMENT OF STORM SEWER. IN ADDITION, THE IMPROVEMENT WILL REPLACE THE TRAFFIC SIGNAL AT THE INTERSECTION OF WOODMAN AND EASTMAN.	FEDERAL PROJECT NO. <b>E210 (205)</b>
EARTH DISTURBED AREASPROJECT EARTH DISTURBED AREA:6.3 ACRESESTIMATED CONTRACTOR E.D.A.:0.2 ACRESNOTICE OF INTENT E.D.A.:6.5 ACRES	PID NO. <b>115003</b>
<b>2019 SPECIFICATIONS</b> THE STANDARD SPECIFICATIONS OF THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION, INCLUDING SUPPLEMENTAL SPECIFICATIONS LISTED IN THE PLANS AND CHANGES LISTED IN THE PROPOSAL SHALL GOVERN THIS IMPROVEMENT.	CONSTRUCTION PROJECT NO.
I HEREBY APPROVE THESE PLANS AND DECLARE THAT THE MAKING OF THIS IMPROVEMENT WILL NOT REQUIRE THE CLOSING TO TRAFFIC OF THE HIGHWAY EXCEPT FOR THE SIDE	RAILROAD INVOLVEMENT NONE
APPROVED	MOT-WOODMAN DR RECONSTRUCTION
APPROVED DIRECTOR, DEPARTMENT OF DATE TRANSPORTATION	106



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	CALCULATED 0 20 DMS 10 40 CHECKED 10 40 MJT SCALE IN FEET
Ex R/W Ex R/W	TRAFFIC CONTROL PLAN STA. 45+00 TO STA. 50+00
———Ех R/W ———————————————————————————————————	901-WOODMAN DR RECONSTRUCTION

Appendix G- Cost Estimates

## MOT-WOODMAN DR RECONSTRUCTION (PID 115003)

CITY OF RIVERSIDE, OHIO

## **ENGINEER'S ESTIMATE - HSIP FUNDING**

Interview         United         APPRICE         Derive         Derive           200         RAMEART DAWNER         W         1384         553.00         553.80           200         CARSEN MARKEND         W         1384         553.00         553.80           200         CARSEN MARKEND         HT         1242         553.00         553.80           201         CARSEN MARKEND         HT         1243         553.00         553.80           201         CARSEN MARKEND         FT         1243         553.00         553.80           202         CARSEN MARKEND         CY         4500         533.80         553.80           203         CARSEN MARKEND         CY         4500         533.80         553.80           203         CARSEN MARKEND         CY         4500         533.80         534.84           204         CARSEN MARKEND         CY         539         535.85         534.84           204         CARSEN MARKEND         CY         1393         555.80         534.84           204         CARSEN MARKEND         CY         1393         555.80         534.84           204         CARSEN MARKEND         CY         1393         555.80	Road r	econstruction between STA. 36+00 to 46+63 plus new traffic signal				February 15, 2023
Box         Box <th>ITEM</th> <th>DESCRIPTION</th> <th></th> <th>APPROX.</th> <th></th> <th>τοται</th>	ITEM	DESCRIPTION		APPROX.		τοται
TOP         CONCRETE NETHAM PROVED         ST         100         575.00         583.00           20         CORD ELVONDED         FT         1247.4         56.00         583.00 </td <td>202</td> <td>PAVEMENT REMOVED</td> <td>SY</td> <td>10363</td> <td>\$15.00</td> <td>\$155 445 00</td>	202	PAVEMENT REMOVED	SY	10363	\$15.00	\$155 445 00
D2         Dirks RHOWED         FT         1974         56.00         58.2           D2         PTR ENGVED, OVAL 2*         FT         16         50.00         53.2           D2         PTR ENGVED, OVAL 2*         FT         16         50.00         53.2           D2         PTR ENGVED, OVAL 2*         FT         16         50.00         53.2           D3         DATE INSK MONDO         CV         75.00         55.00         55.00           D4         DATE INSK MONDO         CV         27.91         57.00         55.00           D4         DATE INSK MONDO         CV         27.91         57.00         55.20           D4         DATE INSK MONDO         CV         27.91         57.00         55.25           D4         DATE INSK MONDO         CV         155.0         55.20         55.20           D4         DATE INSK TOK CONTRET LIST FLIST FLIST FLIST         54.00         55.20	202	CONCRETE MEDIAN REMOVED	SY	139	\$25.00	\$3,475.00
D2         PE 2 LAOVED, D.4' AND UNDER         FT         92.3         52.20         53.20           D2         PE 2 ALOVED, VUR A2         FT         16         550.00         53.30           D2         PE 2 ALOVED, VUR A2         FT         16         550.00         53.30           D2         PE 2 ALOVED, VUR A2         FT         16         550.00         53.30           D2         PE 2 ALOVED, VUR A2         FT         17.00         53.70         550.00           D2         PE 2 ALOVED, VUR A2         FT         27.00         552.60         53.30           D2         PE 2 ALOVED, VUR A2         FT         27.00         552.60         53.30           D2         PE 2 ALOVED, VUR A2         FT         27.00         552.60         53.30           D2         PE 2 ALOVED, FT 2 ALOVED, VUR A2         FT         38.0         55.00         55.00           D2         ADOVED, FT 2 ALOVED,	202	CURB REMOVED	FT	1474	\$6.00	\$8,844.00
202         PRE HAMVID, OVER 24*         TT         16         560.00         533           203         DEVELONG REMOVED         EXCH 1         5         550.00         553.00 <td>202</td> <td>PIPE REMOVED, 24" AND UNDER</td> <td>FT</td> <td>923</td> <td>\$23.00</td> <td>\$21,229.00</td>	202	PIPE REMOVED, 24" AND UNDER	FT	923	\$23.00	\$21,229.00
220         CATCH BASIN REMOVED         EACH         #         \$         5600.00         533.3           220         DECAMATION OF SUBSARD         CV         4200         SUBJACE         SUBJACE <td>202</td> <td>PIPE REMOVED, OVER 24"</td> <td>FT</td> <td>16</td> <td>\$60.00</td> <td>\$960.00</td>	202	PIPE REMOVED, OVER 24"	FT	16	\$60.00	\$960.00
329         BACARTON         CY         4500         \$3.230         \$3.535           330         SURGELICOMMERCIONS         CY         2554         \$3.535         \$3.535           330         SURGELICOMMERCIONS         CY         2554         \$3.535         \$3.535           330         SURGELICOMMERCIONS         CY         2554         \$3.535         \$5.544           331         SURGELICOMMERCIONS         SUR         \$5.263         \$5.335           341         GOORD         SY         \$5.263         \$5.335           341         GOORDELING         SY         \$5.263         \$5.335           341         GOORDELING         CY         359         \$5.273.00         \$5.355           342         ASPHAT CONCRET INTERMENT COURSE, 13 MM, TYPE A (448)         CY         359         \$5.230.00         \$5.355           350         GONDELING CREWENT INTERMENT COURSE, 13 MM, TYPE A (448)         CY         359         \$5.230.00         \$5.355           350         SONDELING CREWENT INTERMENT COURSE, 13 MM, TYPE A (448)         CY         353         \$5.355           350         COMMERCINC RAW AD (TTR, TYPE 7, \$5.95 R PLAY         TF         140         \$5.250.00         \$5.255           351         <	202	CATCH BASIN REMOVED	EACH	6	\$650.00	\$3,900.00
214         SUBALADE COMPACTION         5Y         951.1         5.7.2         252.00         5.000           214         SUBACADE COMPACTION         CV         27.44         5.000 </td <td>203</td> <td>EXCAVATION</td> <td>CY</td> <td>4500</td> <td>\$23.00</td> <td>\$103,500.00</td>	203	EXCAVATION	CY	4500	\$23.00	\$103,500.00
All         Convertion         City         Jack         School         State           All         ELANA ILDATUS         HOUR         5         School         State           All         ELANA ILDATUS         HOUR         School         State         State           All         ELANA ILDATUS         School         State         State         State           All         ELANA ILDATUS         School         State         State         State           All         All         School         State         State         State         State           All         All         School         State         State         State         State           All         All         School         State         State         State         State           All         School         School         School         State         State         Stat	204	SUBGRADE COMPACTION	SY	9511	\$2.75	\$26,155.25
ADD         MODE ADDITING         ADDIT         Status         Stat	204	EXCAVATION OF SUBGRADE	CY	2784	\$25.00	\$69,600.00
Displan         Constant         Part Action	204			۲/64 5	\$70.00	\$194,880.00 \$1 200 00
SP         SVM MAT         SVM MAT <thsvm mat<="" th=""> <thsvm mat<="" th=""> <thsvm ma<="" td=""><td>204</td><td>GEOGRID</td><td>SY</td><td>4582</td><td>\$200.00</td><td>\$16,037,00</td></thsvm></thsvm></thsvm>	204	GEOGRID	SY	4582	\$200.00	\$16,037,00
Sin       Septial Concert Subscreece       CY       1300       Spin Subscreece       Spin Subscreece         Sin       Septial Concert Subscreece       CY       1633       Septial Concert Subscreece       Spin Subscreece         Sin       Septial Concert Subscreece       CY       1633       Spin Subscreece       Spin Subscreece         Sin       Septial Concert Subscreece       Spin Subscreece       Spin Subscreece       Spin Subscreece       Spin Subscreece         Sin       Septial Concert Subscreece       Spin Subscreece       Spin Subscreece       Spin Subscreece       Spin Subscreece         Sin       Septial Concert Subscreece       Fit       140       Spin Subscreece       Spin Subscreece       Spin Subscreece       Spin Subscreece         Sin       Scone Subscreece       Fit       Spin Subscreece       Spin Subscreeceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee	254	PAVEMENT PLANING. ASPHALT CONCRETE (1.5" THICK)	SY	569	\$6.00	\$3.414.00
301       AGENERATE BASE       CY       1633       S50.00       150.00         422       ASPHALT CONCERTE INTERNET COURSE, 12.5 MM, TYPE A (448)       CY       389       537.50       510.50         424       ASPHALT CONCERTE INTERNET COURSE, 13.5 MM, TYPE A (448)       CY       389       537.50       510.50         425       SANLOW IME UNDERCHARS       FT       1453       532.00       532.10         430       CONCERTE INTERNET COURSE, 12.5 MM, TYPE A (448)       FT       1453       532.00       532.10         431       CONCURT, TYPE A SETER JAN, TYPE A, AS PER PLAN       FT       1469       553.00       532.00         511       12 CONDUIT, TYPE C       FT       154       550.00       532.00       532.00         511       12 CONDUIT, TYPE D       FT       46       530.00       534.00       532.00         511       12 CONDUIT, TYPE D       FT       46       530.00       534.00       532.00       <	301	ASPHALT CONCRETE BASE, PG64-22, (449)	CY	1350	\$210.00	\$283,500.00
407       NON-TRACENET SLEVENCE CONTROL 121 S MM, TYPE 4 (AR8)       CY       583       5325.00       5125.00         422       ASPHAIT CONCERTS SUFFACE COURSE, 15 MM, TYPE 4 (AR8)       CY       583       5325.00       5125.00         607       GTSTALLOW PEL MOEDRADKE       AS PER PLAN       FT       1450       532.00       560.00         607       GTSTALLOW PEL MOEDRADKE       AS PER PLAN       FT       1450       532.00       560.00         607       GTSTALLOW PEL MOEDRADKE       AS PER PLAN       FT       140.00       535.00       532.00         611       2*CONDUT, TYPE E (TRATH CONTROL, PLLL BOX DRAINS)       FT       144.00       535.00       532.00         611       12*CONDUT, TYPE D       FT       450.00       532.00       532.00         611       12*CONDUT, TYPE D       FT       450.00       532.00       532.00         611       CONDUT, TYPE B       FT       14.50.00       532.00       532.00         611       CONDUT, TYPE B       FT       14.50.00       532.00       532.00       532.00       532.00       532.00       532.00       532.00       532.00       532.00       532.00       532.00       532.00       532.00       532.00       532.00       532.0	304	AGGREGATE BASE	CY	1613	\$65.00	\$104,845.00
42         ASPHAIT CONCERT SUMACE COURSE, 123 MM, TYPE A (448)         CY         389         5275.00         5186.5           62         ASPHAIT CONCERT INTERNEMENT COURSE, 100 MM, TYPE A (448)         CY         538         525.00         531.5           63         STALLOW MPE UNDERDANDS         FT         1460         522.00         531.5           64         COMMENT COURS IN OUTEND, TYPE A (448)         FT         1460         522.00         532.6           65         COMMENT, TYPE A THON         FT         140         535.00         532.6           61         12 CONDUT, TYPE D         FT         46         550.00         532.6           61         12 CONDUT, TYPE D         FT         46         530.00         532.6           61         12 CONDUT, TYPE D         FT         46         530.00         532.6           61         CATCH BASIN, NO 3         EACH         1         530.000         532.6           61         CATCH BASIN, NO 3         EACH         1         530.000         532.6           61         CATCH BASIN, NO 3         EACH         1         530.000         532.6           61         CATCH BASIN, NO 3         EACH         1         530.000         532.6	407	NON-TRACKING TACK COAT	GAL	1106	\$4.50	\$4,977.00
402       ASPHAIT CONCRETE INTERNEEMENTE COURSE, 19 MM, TYPE AL(46)       CV       \$333       \$35000       \$343.5         608       FORMUNATION CURB AND GUTTER, TPE 2, ASPER PLAN       FT       1420       \$523.00       \$50.4         611       FC CONDURT, TYPE (TRAFTEC CONTROL, PULL BOX DRAINS)       FT       110       \$525.00       \$52.5         611       FC CONDURT, TYPE (TRAFTEC CONTROL, PULL BOX DRAINS)       FT       110       \$55.00       \$52.5         611       FC CONDURT, TYPE (TRAFTEC CONTROL, PULL BOX DRAINS)       FT       140       \$50.00       \$52.5         611       SC CONDURT, TYPE (TRAFTEC CONTROL, PULL BOX DRAINS)       FT       14       \$50.00       \$52.6         611       SC CONDURT, TYPE (TRAFTEC CONTROL, PULL BOX DRAINS)       FT       14       \$50.00       \$52.6         611       SC CONDURT, TYPE (TRAFTEC CONTROL, PULL BOX DRAINS)       FT       14       \$50.00       \$52.6         611       SC CONDURT, TYPE (TRAFTEC CONTROL, PULL BOX DRAINS)       FT       14       \$50.00       \$52.6         611       SC CONTROL, TYPE (TRAFTEC CONTROL, PULL BOX DRAINS)       FT       14       \$50.00       \$52.6         611       SC CONTROL, TYPE (TRAFTEC CONTROL, PULL BOX DRAINS)       FT       146       \$50.00       \$52.6 <td>442</td> <td>ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (448)</td> <td>CY</td> <td>389</td> <td>\$275.00</td> <td>\$106,975.00</td>	442	ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (448)	CY	389	\$275.00	\$106,975.00
Bits         PT         1430         522.00         533.10           Bits         COMBINITY CORR AND CUTTER TYPE 2, AS PER PLAN         FT         100         555.00         550.00           Bits         COMBINITY FILE         FT         100         555.00         552.00           Bits         COMBINITY FILE         FT         100         555.00         552.00           Bits         COMBINITY FILE         FT         140         555.00         552.00           Bits         COMBINITY FILE         FT         140         555.00         532.30           Bits         COMBINITY FILE         FT         145         585.00         542.00           Bits         COMBINITY FILE         FT         145         585.00         542.00           Bits         COMBINITY FILE         FT         145         550.00         552.00           Bits         CATCH BASIN, NO 3         EACH         1         550.00         552.00           Bits         CATCH BASIN, NO 3         EACH         2         550.00         552.00           Bits         CATCH BASIN, NO 3         EACH         3         550.00         552.00           Bits         CATCH BASIN, NO 3         EACH	442	ASPHALT CONCRETE INTERMEDIATE COURSE, 19 MM, TYPE A (448)	CY	583	\$250.00	\$145,750.00
Non-Comparing Control (Control) (Contro) (Contro) (Control) (Control) (Control) (Control) (Control) (Co	605	6" SHALLOW PIPE UNDERDRAINS	FT	1450	\$22.00	\$31,900.00
61         47 COMDUT, TYPE (CONTROL, PULL BOX DRAINS)         FT         100         525.00         527.00           61         12" CONDUT, TYPE (CONTROL, PULL BOX DRAINS)         FT         148         585.00         539.00           61         12" CONDUT, TYPE (CONTROL, PULL BOX DRAINS)         FT         448         585.00         539.00           61         12" CONDUT, TYPE D         FT         44         550.00         542.40           61         15" CONDUT, TYPE D         FT         44         550.00         550.00           61         CATCH BASIN, NO.3.3         EACH         1         550.00         550.00           61         CATCH BASIN, NO.2.3A         EACH         2         550.00         552.00           61         CATCH BASIN, NO.2.7A         EACH         1         550.00.00         552.00           61         CATCH BASIN, NO.2.7A         EACH         2         550.00.00         552.00           61         CATCH BASIN, NO.2.7A         EACH         4         51.90.00.0         550.00           62         LOMINARE, BECORATIVE, AS PER PLAN         EACH         2         51.00.00         550.00           63         STORI MARCH SSTORMY, MARAI, MARTAR, MAR FER PLAN         EACH         4 </td <td>609</td> <td>CUMBINATION CURB AND GUTTER, TYPE 2, AS PER PLAN</td> <td>FI</td> <td>2022</td> <td>\$30.00 \$35.00</td> <td>\$60,660.00 \$4,050.00</td>	609	CUMBINATION CURB AND GUTTER, TYPE 2, AS PER PLAN	FI	2022	\$30.00 \$35.00	\$60,660.00 \$4,050.00
11       12° CONDUCT, TYPE II.       12° CONDUCT, TYPE II.       4500       5430.00         13       12° CONDUCT, TYPE II.       FI       114       5800.00       544.         13       12° CONDUCT, TYPE II.       FI       14       5800.00       544.         13       12° CONDUCT, TYPE II.       FI       14       5500.00       544.         14       12° CONDUCT, TYPE II.       15       5500.00       552.         15       CATCH BASIN, NO.3       EACH       1       5300.00       552.         15       CATCH BASIN, NO.2, AS PER PLAN       EACH       1       5300.00       552.         16       CATCH BASIN, NO.2, AS PER PLAN       EACH       1       52.00.00       552.         16       CATCH BASIN, NO.2, AS PER PLAN       EACH       2       5500.00       556.         16       CATCH BASIN, NO.2, AS PER PLAN       EACH       4       52.500.00       556.         16       CATCH BASIN, NO.2, AS PER PLAN       EACH       4       52.500.00       556.         16       CATCH BASIN, NO.2, AS PER PLAN       EACH       4       52.500.00       556.         16       SIGN SUPPORT ASSEMENU, PARA SER PLAN       EACH       8       550.00       55	611	$A^{"}$ CONDUIT TYPE F (TRAFFIC CONTROL PLUL BOX DRAINS)	FI	102	\$25.00 \$25.00	\$4,050.00 \$2,500.00
11       12* CONDUCT, TYPE D       FT       114       \$800.00       \$503.00         11       12* CONDUCT, TYPE D       FT       46       \$800.00       \$543.00         13       0"CONDUCT, TYPE D       FT       46       \$500.00       \$543.00         13       0"CONDUCT, TYPE D       FT       46       \$500.00       \$543.00         14       CATCH BASIN, NO.3       EACH       1       \$500.000       \$543.00         15       CATCH BASIN, NO.2.3       EACH       1       \$500.000       \$543.00         16       CATCH BASIN, NO.2.28       EACH       1       \$500.000       \$543.00         16       CATCH BASIN, NO.2.24       EACH       1       \$500.000       \$543.00         16       CATCH BASIN, NO.2.28       EACH       1       \$500.000       \$543.00         16       CATCH BASIN, NO.2.4       EACH       4       \$1,000.00       \$540.00       \$540.00       \$560.00       \$555.00       \$550.00.00       \$543.00       \$560.00       \$563.00       \$563.00       \$563.00       \$563.00       \$563.00       \$563.00       \$563.00       \$563.00       \$563.00       \$563.00       \$563.00       \$563.00       \$563.00       \$563.00       \$563.00       <	611	12" CONDUIT TYPE B	FT	469	\$85.00	\$39,865,00
111       2''CONDUIT, TYPE D       FT       86       \$0.000       \$4.4         611       3''CONDUIT, TYPE D       FT       16       \$450.000       \$3.4         611       3''CONDUIT, TYPE D       FT       16       \$450.000       \$3.4         611       CATCH BASIN, NO. 3       EACH       1       \$5.000.00       \$3.5         611       CATCH BASIN, NO. 3, A SPER PLAN       EACH       1       \$3.000.00       \$3.5         611       CATCH BASIN, NO. 2, A SPER PLAN       EACH       1       \$3.000.00       \$3.5         611       CATCH BASIN, NO. 2, A SPER PLAN       EACH       1       \$3.000.00       \$3.00         611       CATCH BASIN, NO. 2, A SPER PLAN       EACH       1       \$3.000.00       \$3.00         612       BARACET ARM, 10, A SPER PLAN       SEACH       1       \$3.000.00       \$3.00         613       SIGON HANGER ASSEMILY, MAST ARM, AS PER PLAN       EACH       1       \$3.000.00       \$3.60         613       SIGON HANGER ASSEMILY, MAST ARM, AS PER PLAN       EACH       1       \$3.000.00       \$3.7         614       CATCH BASIN, MO. 3, AS PER PLAN       EACH       1       \$3.000.00       \$3.7        6151       CONTRIN ASSEMILY, FLOD,	611	12" CONDUIT, TYPE C	FT	114	\$80.00	\$9,120.00
111       3'CONDUIT, TYPE D       FT       44       \$100,000       \$34,000         111       SCIENDUIT, TYPE D       FA       45       \$50,000       \$55,000         111       CATCH BASIN, NO, 3       EACH       18       \$50,000       \$53,000         111       CATCH BASIN, NO, 2A       EACH       18       \$50,000       \$55,000         111       CATCH BASIN, NO, 2A       EACH       1       \$50,000       \$55,000         111       CATCH BASIN, NO, 2A       EACH       1       \$50,000       \$56,000         111       CATCH BASIN, NO, 2A       EACH       4       \$51,000       \$56	611	12" CONDUIT, TYPE D	FT	86	\$80.00	\$6,880.00
111       30 <sup>+</sup> CONDUCT, TYPE B       FT       16       5450.000       552.5         111       CATCH BASIN, NO. 3A       EACH       8       53.000.00       55.5         111       CATCH BASIN, NO. 3A       EACH       1       53.000.00       55.5         111       CATCH BASIN, NO. 2A       EACH       1       53.000.00       55.5         111       CATCH BASIN, NO. 2A       EACH       1       52.000.00       55.6         111       CATCH BASIN, NO. 2A       EACH       1       52.000.00       55.6         111       CATCH BASIN, NO. 3A SPER PLAN       EACH       4       52.200.00       55.6         111       CATCH BASIN, NO. 3A SPER PLAN       EACH       4       52.200.00       55.6         111       SASIN ANGER ASSEMBLY, MAST AMA, AS PER PLAN       EACH       4       52.200.00       55.5         112       CUMMINARED COLONITE, AS PER PLAN       EACH       1       53.000.00       55.5         112       CUMINAREA ASSEMBLY, MAST AMA, AS PER PLAN       EACH       1       53.000.00       55.2         112       CUMINAREA ASSEMBLY, MAST AMA, AS PER PLAN       EACH       1       53.000.00       55.2         112       CUMINAREA ASSEMBLY, MAST AMA, AS P	611	15" CONDUIT, TYPE D	FT	44	\$100.00	\$4,400.00
111       CATCH BASIN, NO. 3       EACH       1       55,000,00       55,50         111       CATCH BASIN, NO. 3, AS PER PLAN       EACH       1       33,000,00       53,40         111       CATCH BASIN, NO. 2,30       EACH       1       52,000,00       55,50         111       CATCH BASIN, NO. 2,20       EACH       1       52,000,00       55,50         111       CATCH BASIN, NO. 2,20       EACH       1       52,000,00       55,50         111       CATCH BASIN, NO. 2,20       EACH       4       52,000,00       55,50         111       CATCH BASIN, NO. 2,30       EACH       4       52,000,00       55,50         111       CATCH BASIN, NO. 3,40       EACH       4       52,000,00       55,50         111       CATCH BASIN, NO. 3,40       EACH       4       52,000,00       55,50         111       CATCH BASIN, NO. 3,40       FER PLAN       EACH       4       52,000,00       55,50         111       CATCH BASIN, NO. 3,40       FER PLAN       EACH       4       51,000,00       55,50         111       CATCH BASIN, NO. 3,40       FER PLAN       EACH       51,000,00       52,72       53,000       52,72       53,000       52,72	611	30" CONDUIT, TYPE B	FT	16	\$450.00	\$7,200.00
1511       CATCH BASIN, NO. 3A       EACH       8       3,3000.00       52,40         1511       CATCH BASIN, NO. 2-2A       EACH       1       5,3000.00       53,00         1511       CATCH BASIN, NO. 2-2A       EACH       1       5,3000.00       53,00         1511       CATCH BASIN, NO. 2-2A       EACH       1       5,3000.00       53,00         1511       CATCH BASIN, NO. 2-3B       EACH       1       5,3000.00       53,00         1511       CATCH BASIN, NO. 2-4       EACH       4       5,1000.00       55,0	611	CATCH BASIN, NO. 3	EACH	1	\$5 <i>,</i> 000.00	\$5,000.00
1511       CATCH BASIN, NO. 2-20       EACH       1       \$3,000.00       S3.2         1511       CATCH BASIN, NO. 2-20       EACH       1       \$2,500.00       S2.5         1511       CATCH BASIN, NO. 2-20       EACH       1       \$2,500.00       S2.5         1511       CATCH BASIN, NO. 2-24       EACH       1       \$5,000.00       S2.6         1511       CATCH BASIN, NO. 2-4       EACH       4       \$5,100.00       S2.5         1511       CATCH BASIN, NO. 2-4       EACH       4       \$5,200.00       S0.6         1511       MARINGER ASSEMBLY, NO.14 MAST ARM, AS PER PLAN       EACH       9       \$560.00       S55.5         1501       SIGN SUPPORT ASSEMBLY, NO.14 MOUNTED, AS PER PLAN       EACH       9       \$1,000.00       S2.7         1512       VEHICULAR SIGNAL HEAD, (LED), ASECTION, 12" (ENS, 1-WAY, POLYCARBONATE, AS PER       PLAN, BLACK       8       \$2,000.00       S2.6         152       VEHICULAR SIGNAL HEAD, (LED), ASECTION, 12" (ENS, 1-WAY, POLYCARBONATE, AS PER       PLAN, BLACK       8       \$3,000.00       S2.7         152       COVERING OF PUNICULAR SIGNAL HEAD       EACH       8       \$500.00       S2.6         152       SIGNAL CARE, 3-CONDUCTOR, NO. 14 WG       FT       100	611	CATCH BASIN, NO. 3A	EACH	8	\$3,000.00	\$24,000.00
111       CALCH BASHN, NO. 2-2A       EACH       1       52,200.00       S3.2         121       CATCH BASHN, NO. 2-2B       EACH       1       52,200.00       S4.2         121       CATCH BASHN, NO. 2-2B       EACH       1       52,200.00       S4.2         121       CATCH BASHN, NO. 2-2B       EACH       2       S5,000.00       S4.2         122       BRACKET ARM, 107, AS PER PLAN       EACH       4       S1,200.00       S5.2         123       SIGN INANCER ASSEMBLY, MAST RAW, AS PER PLAN       EACH       4       S1,000.00       S5.2         123       VENCULAR SIGNAL HEAD, (LED), AS SECTION, 12° LENS, 1-WAY, POLYCARBONATE, AS PER       FACH       1       S1,000.00       S7.2         124       COVERING OF VENCULAR SIGNAL HEAD, (LED), TYPE D2, COUNTDOWN, AS PER PLAN       EACH       2       S1,000.00       S7.2         124       COVERING OF VENCULAR SIGNAL HEAD, (LED), TYPE D2, COUNTDOWN, AS PER PLAN       EACH       8       S00.00       S7.2         125       COVERING OF VENCULAR SIGNAL HEAD, (LED), TYPE D2, COUNTDOWN, AS PER PLAN       EACH       8       S00.00       S7.2         125       COVERING OF VENCULAR SIGNAL HEAD, (LED), TYPE D2, COUNTDOWN, AS PER PLAN       EACH       1       S1,000.00       S1.1         1	611	CATCH BASIN, NO. 6, AS PER PLAN	EACH	1	\$3,000.00	\$3,000.00
11       Child Bashi, No. 2-24       EACH       1       \$2,0000       \$3,2         11       CATU BASHI, NO. 2-4       EACH       1       \$5,000.00       \$100         12       BRACKET AM, 10', ASPER PLAN       EACH       4       \$2,250.00       \$500         12       BRACKET AM, 10', ASPER PLAN       SERVIN, MAST AMA, ASPER PLAN       EACH       4       \$2,250.00       \$500         13       GIU MARCE ASSEMULY, POLE MOUNTED, AS PER PLAN       EACH       9       \$51000.00       \$52         14       LIMIN SIGNAL HEAD, (LED), SECTION, 12'' LENS, 1-WAY, POLYCARBONATE, AS PER       \$1,000.00       \$52,00         15       VEHICULAR SIGNAL HEAD, (LED), 4-SECTION, 12'' LENS, 1-WAY, POLYCARBONATE, AS PER       \$1,000.00       \$52,00         12       COVERING OF VEHICULAR SIGNAL HEAD, (LED), TYPE D2, COUNTOWN, AS PER PLAN       EACH       \$500.00       \$52,60         12       COVERING OF VEHICULAR SIGNAL HEAD       EACH       \$500.00       \$52,60         13       SIGNAL CABLE, 3-CONDUCTOR, NO. 14 AWG       FT.       790       \$3.00       \$2,52         13       SIGNAL CABLE, 3-CONDUCTOR, NO. 14 AWG       FT.       1430       \$3.25       \$3.25         13       SIGNAL CABLE, 3-CONDUCTOR, NO. 14 AWG       FT.       1400       \$4.00	611	CATCH BASIN, NO. 2-2A	EACH	2	\$2,500.00	\$5,000.00
11         MARINE NO.3         EACH         2         Space           11         MARINE RO.3         EACH         2         Space         Space </td <td>611</td> <td></td> <td></td> <td>1</td> <td>\$2,500.00 \$4,000.00</td> <td>\$2,500.00 \$4,000.00</td>	611			1	\$2,500.00 \$4,000.00	\$2,500.00 \$4,000.00
Construction         Construction<	611		FACH	2	\$4,000.00 \$5,000.00	\$4,000.00
C22         LUMINARE         DECORATIVE, AS PER PLAN STERMBERG)         EACH         4         52, 250,00         SSG           G30         SIGM HANGER ASSEMBLY, POLE MOUNTED, AS PER PLAN         EACH         1         S350,00         S36,           G32         SIGM SUPPORT ASSEMBLY, POLE MOUNTED, AS PER PLAN         EACH         1         S350,00         S32,           G32         VEHICULAR SIGMAL HEAD, (LED), 45ECTION, 12" LENS, 1-WAY, POLYCARBONATE, AS PER         EACH         2         \$1,000,00         S12,           G32         VEHICULAR SIGMAL HEAD, (LED), TYPE D2, COUNTDOWN, AS PER PLAN         EACH         1         S100,00         S12,           G32         COVERING OF VEHICULAR SIGMAL HEAD         EACH         8         S500,00         S42,           G32         EPDESTRIAN SIGMAL HEAD, (LED), TYPE D2, COUNTDOWN, AS PER PLAN         EACH         8         S500,00         S42,           G32         EPDESTRIAN PUSHBUTTOR, AS PER PLAN         EACH         8         S500,00         S42,           G32         SIGMAL CABLE, 3-CONDUCTOR, NO, 12 AWG         FT.         1400         S44,00         S52,           G32         SIGMAL CABLE, 3-CONDUCTOR, NO, 14 AWG         FT.         1430         S33,50         S52,52,           G32         SIGMAL CABLE, 3-CONDUCTOR, NO, 14 AW	625	BRACKET ARM. 10'. AS PER PLAN	EACH	4	\$1,500.00	\$6.000.00
G30         SIGN HANGER ASSEMBLY, MAST ARM, AS PER PLAN         EACH         9         \$650.00         \$353           G30         SIGN SUPPORT ASSEMBLY, POLE MOUNTED, AS PER PLAN         EACH         1         \$330.00         \$33           G21         VEHICULAR SIGNAL HEAD, (LED), 4-SECTION, 12" LENS, 1-WAY, POLYCARBONATE, AS PER         EACH         9         \$1.000.00         \$32,00           G21         VEHICULAR SIGNAL HEAD, (LED), 4-SECTION, 12" LENS, 1-WAY, POLYCARBONATE, AS PER         EACH         2         \$1.000.00         \$51,00         \$52,00           G21         VEHICULAR SIGNAL HEAD, (LED), TYPE D2, COUNTDOWN, AS PER PLAN         EACH         8         \$500.00         \$54,30           G21         COVERING OF VEHICULAR SIGNAL HEAD         EACH         8         \$500.00         \$54,30           G22         SIGNAL CABLE, 3-CONDUCTOR, NO. 14 AWG         FT.         170         \$3,30         \$2,32           G32         SIGNAL CABLE, 3-CONDUCTOR, NO. 14 AWG         FT.         1400         \$4,00         \$55,55           G32         SIGNAL CABLE, 3-CONDUCTOR, NO. 14 AWG         FT.         1400         \$4,00         \$54,55           G32         SIGNAL CABLE, 3-CONDUCTOR, NO. 14 AWG         FT.         1400         \$4,00         \$54,65           G32         SIGNAL SUP	625	LUMINAIRE, DECORATIVE, AS PER PLAN (STERNBERG)	EACH	4	\$2,250.00	\$9,000.00
630       SIGN SUPPORT ASSEMBLY, POLE MOUNTED, AS PER PLAN       EACH       1       \$350.00       \$32         621       VEHCULAR SIGNAL HEAD, (LED), 3-SECTION, 12" LENS, 1-WAY, POLYCARBONATE, AS PER       EACH       9       \$1,000.00       \$20,00         632       VEHCULAR SIGNAL HEAD, (LED), 4-SECTION, 12" LENS, 1-WAY, POLYCARBONATE, AS PER       EACH       2       \$1,000.00       \$21,00         632       PEDESTRIAN SIGNAL HEAD, (LED), TYPE D2, COUNTDOWN, AS PER PLAN       EACH       8       \$900.00       \$7,7         632       COVERING OF VEHCULAR SIGNAL HEAD       EACH       8       \$500.00       \$3,48         632       SIGNAL CABLE, 3-CONDUCTOR, NO. 12 AWG       FT.       1020       \$3,325       \$3,33         632       SIGNAL CABLE, 3-CONDUCTOR, NO. 14 AWG       FT.       1400       \$4,00       \$5,56         632       INTRECONNECT, MICE, SPREAD SPECTRUM RADIO UNIT REMOVED AND REINSTALLED       EACH       4       \$1,500.00       \$3,42         633       SIGNAL CABLE, 7-CONDUCTOR, NO. 14 AWG       FT.       1400       \$4,00       \$5,56         634       RIDERCONNECT, MICE, SPREAD SPECTRUM RADIO UNIT REMOVED AND REINSTALLED       EACH       1       \$1,500.00       \$3,42         632       RIGMAL CABLE, 3-CONDUCTOR, NO. 14 AWG       FT.       1400       <	630	SIGN HANGER ASSEMBLY, MAST ARM, AS PER PLAN	EACH	9	\$650.00	\$5,850.00
623       VEHICULAR SIGNAL HEAD, (LED), 3-SECTION, 12" LENS, 1-WAY, POLYCARBONATE, AS PER       EACH       9       \$1,000.00       \$39,0         623       VEHICULAR SIGNAL HEAD, (LED), 4-SECTION, 12" LENS, 1-WAY, POLYCARBONATE, AS PER       EACH       2       \$1,300.00       \$27,6         623       VEHICULAR SIGNAL HEAD, (LED), 4-SECTION, 12" LENS, 1-WAY, POLYCARBONATE, AS PER       EACH       8       \$900.00       \$7,7         632       COVERING OF VEHICULAR SIGNAL HEAD, COUNTDOWN, AS PER PLAN       EACH       11       \$100.00       \$1,1         632       COVERING OF VEHICULAR SIGNAL HEAD       EACH       8       \$500.00       \$4,8         632       SIGNAL CABLE, 3-CONDUCTOR, NO. 14 AWG       FT.       1020       \$3,25       \$3,30         632       SIGNAL CABLE, 3-CONDUCTOR, NO. 14 AWG       FT.       1400       \$4,00       \$4,00         632       SIGNAL CABLE, 5-CONDUCTOR, NO. 14 AWG       FT.       1400       \$4,00       \$5,00         632       SIGNAL CABLE, 5-CONDUCTOR, NO. 14 AWG       FT.       1400       \$4,00       \$5,00         632       SIGNAL CABLE, 3-CONDUCTOR, NO. 14 AWG       FT.       1400       \$4,00       \$4,00       \$4,00       \$4,00       \$4,00       \$4,00       \$4,00       \$4,00       \$4,00       \$4,00       \$4	630	SIGN SUPPORT ASSEMBLY, POLE MOUNTED, AS PER PLAN	EACH	1	\$350.00	\$350.00
PLAN, BLACK         EACH         9         Statistics         53           2         VEHICULAR SIGNAL HEAD, (LED), 4-SECTION, 12" LENS, 1-WAY, POLYCARBONATE, AS PER         FACH         2         \$1,300.00         \$27           28         PEDESTRIAN SIGNAL HEAD, (LED), TYPE D2, COUNTDOWN, AS PER PLAN         EACH         8         \$500.00         \$1,1           632         COVERING OF VEHICULAR SIGNAL HEAD         EACH         8         \$500.00         \$4,8           532         SIGNAL CABLE, 3-CONDUCTOR, NO. 12 AWG         FT.         1700         \$3,30         \$52,3           543         SIGNAL CABLE, 3-CONDUCTOR, NO. 12 AWG         FT.         1430         \$3,50         \$55,6           542         SIGNAL CABLE, 3-CONDUCTOR, NO. 14 AWG         FT.         1430         \$3,50         \$55,6           542         SIGNAL CABLE, 5-CONDUCTOR, NO. 14 AWG         FT.         1430         \$3,50         \$56,6           542         SIGNAL CABLE, 5-CONDUCTOR, NO. 14 AWG         FT.         1430         \$3,50         \$56,6           542         SIGNAL CABLE, 3-CONDUCTOR, NO. 14 AWG         FT.         1430         \$3,50         \$3,6           542         SIGNAL CABLE, 3-CONDUCTOR, NO. 14 AWG         FT.         1430         \$3,00         \$3,6	632	VEHICULAR SIGNAL HEAD, (LED), 3-SECTION, 12" LENS, 1-WAY, POLYCARBONATE, AS PER			\$1,000,00	
632       VEHICULAR SIGNAL HEAD, (LED), 4-SECTION, 22 TENS, 1-WAY, POLYCARBONATE, AS PER       \$1,300.00       \$2,2,6         632       PEDESTRIAN SIGNAL HEAD, (LED), TYPE D2, COUNTDOWN, AS PER PLAN       EACH       8       \$900.00       \$7,2         632       COVERING OF VEHICULAR SIGNAL HEAD       EACH       8       \$500.00       \$54,2         632       COVERING OF PEDESTRIAN SIGNAL HEAD       EACH       8       \$500.00       \$54,3         632       SIGNAL CABLE, 3-CONDUCTOR, NO. 12 AWG       FT.       1020       \$3,25       \$33,3         632       SIGNAL CABLE, 3-CONDUCTOR, NO. 14 AWG       FT.       1430       \$3,50       \$55,6         632       SIGNAL CABLE, 5-CONDUCTOR, NO. 14 AWG       FT.       1400       \$4,00       \$56,6         632       SIGNAL CABLE, 5-CONDUCTOR, NO. 14 AWG       FT.       1400       \$4,00       \$54,00         632       SIGNAL SUPPORT FOUNDATION, AS PER PLAN       EACH       1       \$1,500.00       \$34,0         632       POWER CABLE, 3-CONDUCTOR, NO. 2 AWG.       FT       100       \$30,00       \$34,0         632       POWER CABLE, 3-CONDUCTOR, NO. 2 AWG.       FT       4       \$3,600.00       \$34,0         632       COMBINATION SIGNAL SUPPORT, TYPE TC 81.22, DESIGN 12, AS PER PLAN <t< td=""><td></td><td>PLAN, BLACK</td><td>EACH</td><td>9</td><td><i><b>↓</b>1,000.00</i></td><td>\$9,000.00</td></t<>		PLAN, BLACK	EACH	9	<i><b>↓</b>1,000.00</i>	\$9,000.00
PLAN, BLACK         BLACH         2         54.6           2         PEDESTIRAN SIGNAL HEAD, (LED), TYPE D2, COUNTDOWN, AS PER PLAN         EACH         11         \$100.00         \$1.1           32         COVERING OF VEHICULAR SIGNAL HEAD         EACH         11         \$100.00         \$1.1           32         COVERING OF VEHICULAR SIGNAL HEAD         EACH         8         \$500.00         \$4.8           32         SIGNAL CABLE, 3-CONDUCTOR, NO. 14 AWG         FT.         1020         \$3.25         \$3.30           32         SIGNAL CABLE, 5-CONDUCTOR, NO. 14 AWG         FT.         1430         \$3.50         \$5.5           32         SIGNAL CABLE, 5-CONDUCTOR, NO. 14 AWG         FT.         1430         \$3.50         \$5.5           32         SIGNAL CABLE, 5-CONDUCTOR, NO. 14 AWG         FT.         1430         \$3.50         \$5.5           32         SIGNAL CABLE, 5-CONDUCTOR, NO. 14 AWG         FT.         1430         \$5.0         \$5.5           32         SIGNAL CABLE, 5-CONDUCTOR, NO. 14 AWG         FT.         1400         \$4.00         \$5.6           32         SIGNAL CABLE, 5-CONDUCTOR, NO. 2 AWG.         FT.         1000         \$3.40         \$5.500.00         \$3.26           32         POWER CABLE, 3-CONDUCTOR,	632	VEHICULAR SIGNAL HEAD, (LED), 4-SECTION, 12" LENS, 1-WAY, POLYCARBONATE, AS PER	FACU	2	\$1,300.00	¢2,000,00
B2         PEDES IRIAR SIGNAL READ, ILED, TIPE D2, COUNT DOWN, AS PER PLAN         EACH         8         \$ 3900.00         \$1,7           G2         COVERING OF VERICURA SIGNAL HEAD         EACH         8         \$500.00         \$4           G32         COVERING OF PEDESTRIAN SIGNAL HEAD         EACH         8         \$500.00         \$48           G32         SIGNAL CABLE, 3-CONDUCTOR, NO. 12 AWG         FT.         790         \$3.20         \$3.25           G33         SIGNAL CABLE, 5-CONDUCTOR, NO. 14 AWG         FT.         1430         \$3.50         \$5.5           G32         SIGNAL CABLE, 5-CONDUCTOR, NO. 14 AWG         FT.         1400         \$4.00         \$5.6           G32         SIGNAL CABLE, 3-CONDUCTOR, NO. 14 AWG         FT.         1400         \$4.00         \$5.6           G32         SIGNAL CABLE, 3-CONDUCTOR, NO. 14 AWG         FT.         1400         \$4.00         \$5.6           G32         SIGNAL SUPPORT FOUNDATION         EACH         4         \$5.500.00         \$3.40           G32         POWER CABLE, 3-CONDUCTOR, NO. 2 AWG.         FT.         100         \$1.1           G32         POWER CABLE, 3-CONDUCTOR, NO. 4 AWG.         FT.         40         \$1.000         \$1.2           G400000         SO.6 </td <td>622</td> <td>PLAN, BLACK</td> <td>EACH</td> <td>2</td> <td>¢000.00</td> <td>\$2,600.00</td>	622	PLAN, BLACK	EACH	2	¢000.00	\$2,600.00
032       COVENING OF PEDESTRIAN SIGNAL HEAD       EACH       11       310000       53.4         632       COVENING OF PEDESTRIAN SIGNAL HEAD       EACH       8       \$500.00       \$54.8         632       SIGNAL CABLE, 3-CONDUCTOR, NO. 12 AWG       FT.       1700       \$3.25       \$3.33         633       SIGNAL CABLE, 3-CONDUCTOR, NO. 14 AWG       FT.       1400       \$4.00       \$55.6         632       SIGNAL CABLE, 3-CONDUCTOR, NO. 14 AWG       FT.       1400       \$4.00       \$55.6         632       SIGNAL CABLE, 7-CONDUCTOR, NO. 14 AWG       FT.       1400       \$4.00       \$55.6         632       SIGNAL CABLE, 7-CONDUCTOR, NO. 14 AWG       FT.       1400       \$4.00       \$55.6         632       SIGNAL CABLE, 7-CONDUCTOR, NO. 14 AWG       FT.       1400       \$4.00       \$55.6         632       SIGNAL CABLE, 3-CONDUCTOR, NO. 14 AWG       FT.       1400       \$4.00       \$54.00         632       PEDESTAL FOUNDATION A SE RE PLAN       EACH       6       \$1.500.00       \$3.40         632       POWER CABLE, 3-CONDUCTOR, NO. 6 AWG.       FT.       400       \$10.00       \$14.00         632       COMBINATION SIGNAL SUPPORT, TYPE TC-81.22, DESIGN 12, AS PER PLAN       EACH       1	632	COVERING OF VEHICLI AR SIGNAL HEAD	EACH	8 11	\$900.00 \$100.00	\$7,200.00
Description         Each         S         S0000         S42           632         PEDESTRIAN PUSHBUTTON, AS PER PLAN         EACH         8         \$600.00         \$42           632         SIGNAL CABLE, 3-CONDUCTOR, NO. 12 AWG         FT.         1700         \$3.3.0         \$2.3           632         SIGNAL CABLE, 3-CONDUCTOR, NO. 14 AWG         FT.         1430         \$3.5.0         \$5.5.0           632         SIGNAL CABLE, 7-CONDUCTOR, NO. 14 AWG         FT.         14400         \$4.00         \$5.6.0           631         NIERCONNECT, MISC: SPREAD SPECTRUM RADIO UNIT REMOVED AND REINSTALLED         EACH         1         \$1.500.00         \$3.4.0           632         SIGNAL CABLE, 7-CONDUCTOR, NO. 24 WG         FT         110         \$10.00         \$1.1.7           632         POWER CABLE, 3 CONDUCTOR, NO. 2 AWG.         FT         110         \$10.00         \$4.0           632         POWER CABLE, 3-CONDUCTOR, NO. 4 AWG.         FT         100         \$10.00         \$4.0           632         POWER CABLE, 3-CONDUCTOR, NO. 2 AWG.         FT         110         \$10.00         \$4.0           632         COMBINATION SIGNAL SUPPORT, TYPE TC-81.22, DESIGN 12, AS PER PLAN         EACH         1         \$4.000.00         \$4.0           <	632	COVERING OF VEHICOLAN SIGNAL HEAD	FACH	8	\$100.00	\$400.00
G32       SIGNAL CABLE, 3-CONDUCTOR, NO. 12 AWG       FT.       790       \$3.00       \$2.3         G32       SIGNAL CABLE, S-CONDUCTOR, NO. 14 AWG       FT.       1020       \$3.25       \$5.3         G32       SIGNAL CABLE, S-CONDUCTOR, NO. 14 AWG       FT.       1430       \$3.50       \$5.5         G32       SIGNAL CABLE, S-CONDUCTOR, NO. 14 AWG       FT.       1400       \$4.00       \$5.6         G32       SIGNAL CABLE, S-CONDUCTOR, NO. 14 AWG       FT.       1400       \$4.00       \$5.6         G32       SIGNAL CABLE, S-CONDUCTOR, NO. 14 AWG       FT.       1400       \$4.00       \$5.6         G32       SIGNAL CABLE, S-CONDUCTOR, NO. 2 AWG.       FT       110       \$1.0.00       \$3.1         G32       POWER CABLE, 3-CONDUCTOR, NO. 2 AWG.       FT       10       \$1.0.00       \$4.00         G32       POWER CABLE, 3-CONDUCTOR, NO. 6 AWG.       FT       10       \$1.0.00       \$2.5         G32       COMBINATION SIGNAL SUPPORT, TYPE TC-81.22, DESIGN 12, AS PER PLAN       EACH       1       \$2.6,000.00       \$2.6,00         G32       COMBINATION SIGNAL SUPPORT, TYPE TC-81.22, DESIGN 14, AS PER PLAN       EACH       1       \$2.6,000.00       \$2.6,00         G32       COMBINATION SIGNAL SUPPORT, TYPE TC-81.22, DESIGN	632	PEDESTRIAN PUSHBUTTON. AS PER PLAN	EACH	8	\$600.00	\$4.800.00
632       SIGNAL CABLE, 3-CONDUCTOR, NO. 14 AWG       FT.       1020       \$3.25       \$3.35         632       SIGNAL CABLE, 5-CONDUCTOR, NO. 14 AWG       FT.       1430       \$3.50       \$5.0         632       SIGNAL CABLE, 5-CONDUCTOR, NO. 14 AWG       FT.       1430       \$3.50       \$5.6         632       INTERCONNECT, MISC.: SPEREAD SPECTRUM RADIO UNIT REMOVED AND REINSTALLED       EACH       1       \$1,500.00       \$3.40         632       SIGNAL CABLE, 7-CONDUCTOR, NO. 14 AWG       EACH       4       \$8,500.00       \$3.40         632       PEDESTAL FOUNDATION       EACH       6       \$1,500.00       \$3.40         632       POWER CABLE, 3-CONDUCTOR, NO. 2 AWG.       FT       110       \$1.000       \$3.41         632       POWER CABLE, 3-CONDUCTOR, NO. 6 AWG.       FT       40       \$1.000       \$4.00         632       COMBINATION SIGNAL SUPPORT, TYPE TC-81.22, DESIGN 12, AS PER PLAN       EACH       1       \$2.600.00       \$2.60         632       COMBINATION SIGNAL SUPPORT, TYPE TC-81.22, DESIGN 14, AS PER PLAN       EACH       1       \$2.600.00       \$2.60         632       COMBINATION SIGNAL SUPPORT, TYPE TC-81.22, DESIGN 14, AS PER PLAN       EACH       1       \$2.600.00       \$3.00         632 <t< td=""><td>632</td><td>SIGNAL CABLE, 3-CONDUCTOR, NO. 12 AWG</td><td>FT.</td><td>790</td><td>\$3.00</td><td>\$2,370.00</td></t<>	632	SIGNAL CABLE, 3-CONDUCTOR, NO. 12 AWG	FT.	790	\$3.00	\$2,370.00
632       SIGNAL CABLE, 5-CONDUCTOR, NO. 14 AWG       FT.       1430       \$3.50       \$5.6         632       SIGNAL CABLE, 7-CONDUCTOR, NO. 14 AWG       FT.       1400       \$4.00       \$5.6         632       INTERCONNECT, MISC.: SPREAD SPECTRUM RADIO UNIT REMOVED AND REINSTALLED       EACH       4       \$5.50.00       \$3.40         632       POWER CABLE, 3-CONDUCTOR, NO. 2 AWG.       FT       110       \$10.00       \$4.10         632       POWER CABLE, 3-CONDUCTOR, NO. 2 AWG.       FT       40       \$10.00       \$4.6         632       POWER CABLE, 3-CONDUCTOR, NO. 2 AWG.       FT       40       \$10.00       \$4.00         632       POWER CABLE, 3-CONDUCTOR, NO. 6 AWG.       FT       40       \$10.00       \$4.00         632       COMBINATION SIGNAL SUPPORT, TYPE TC-81.22, DESIGN 12, AS PER PLAN       EACH       1       \$23,500.00       \$22,50         632       COMBINATION SIGNAL SUPPORT, TYPE TC-81.22, DESIGN 14, AS PER PLAN       EACH       1       \$25,000.00       \$25,60         632       COMBINATION SIGNAL SUPPORT, TYPE TC-81.22, DESIGN 14, AS PER PLAN       EACH       1       \$25,000.00       \$56,00         632       PEDESTAL, 5', TRANSFORMER BASE, AS PER PLAN       EACH       1       \$15,000.00       \$56,00       \$56,00	632	SIGNAL CABLE, 3-CONDUCTOR, NO. 14 AWG	FT.	1020	\$3.25	\$3,315.00
632       SIGNAL CABLE, 7-CONDUCTOR, NO. 14 AWG       FT.       1400       \$4.00       \$5.6         632       INTERCONNECT, MISC: SPREAD SPECTRUM RADIO UNIT REMOVED AND REINSTALLED       EACH       1       \$1.500.00       \$34.7         632       SIGNAL SUPPORT FOUNDATION, AS PER PLAN       EACH       6       \$1.500.00       \$34.0         632       POWER CABLE, 3 CONDUCTOR, NO. 2 AWG.       FT       110       \$10.00       \$4.1         632       POWER CABLE, 3 CONDUCTOR, NO. 6 AWG.       FT       40       \$10.00       \$4.0         632       COMBINATION SIGNAL SUPPORT, TYPE TC-81.22, DESIGN 12, AS PER PLAN       EACH       1       \$25,00.00       \$26.0         632       COMBINATION SIGNAL SUPPORT, TYPE TC-81.22, DESIGN 14, AS PER PLAN       EACH       1       \$25,00.00       \$26.0         632       COMBINATION SIGNAL SUPPORT, TYPE TC-81.22, DESIGN 14, AS PER PLAN       EACH       1       \$25,00.00       \$56.0         632       COMBINATION SIGNAL SUPPORT, TYPE TC-81.22, DESIGN 14, AS PER PLAN       EACH       2       \$2,500.00       \$56.0         632       PEDESTAL, 5', TRANSFORMER BASE, AS PER PLAN       EACH       2       \$2,500.00       \$55.5         633       CABINET, TYPE TS-2, AS PER PLAN       EACH       1       \$5,000.00       \$51.5 <td>632</td> <td>SIGNAL CABLE, 5-CONDUCTOR, NO. 14 AWG</td> <td>FT.</td> <td>1430</td> <td>\$3.50</td> <td>\$5,005.00</td>	632	SIGNAL CABLE, 5-CONDUCTOR, NO. 14 AWG	FT.	1430	\$3.50	\$5,005.00
632       INTERCONNECT, MISC.: SPREAD SPECTRUM RADIO UNIT REMOVED AND REINSTALLED       EACH       1       \$1,500.00       \$34,0         632       SIGKAL SUPPORT FOUNDATION, AS PER PLAN       EACH       4       \$8,500.00       \$34,0         632       PEDESTAL FOUNDATION       NO. 2 AWG.       FT       110       \$10.00       \$31,1         632       POWER CABLE, 3 CONDUCTOR, NO. 2 AWG.       FT       40       \$10.00       \$4,0         632       POWER CABLE, 3 CONDUCTOR, NO. 6 AWG.       FT       40       \$10.00       \$4,0         632       POWER CABLE, 3 CONDUCTOR, NO. 6 AWG.       EACH       1       \$24,000.00       \$24,0         632       COMBINATION SIGNAL SUPPORT, TYPE TC-81.22, DESIGN 12, AS PER PLAN       EACH       1       \$22,000.00       \$26,00         632       COMBINATION SIGNAL SUPPORT, TYPE TC-81.22, DESIGN 14, AS PER PLAN       EACH       2       \$1,000.00       \$36,00         632       COMBINATION SIGNAL SUPPORT, TYPE TC-81.22, DESIGN 14, AS PER PLAN       EACH       2       \$1,000.00       \$36,00         632       COMBINATION SIGNAL SUPPORT, TYPE TC-81.22, DESIGN 14, AS PER PLAN       EACH       1       \$1,000.00       \$36,00         633       CABINET, TARSFORMER BASE, AS PER PLAN       EACH       1       \$1,000.00	632	SIGNAL CABLE, 7-CONDUCTOR, NO. 14 AWG	FT.	1400	\$4.00	\$5,600.00
632       SIGNAL SUPPORT FOUNDATION       EACH       4       \$\$8,500.00       \$\$34,000         632       PEDESTAL FOUNDATION       EACH       6       \$\$1,500.00       \$\$9,0         632       POWER CABLE, 3 CONDUCTOR, NO. 2 AWG.       FT       110       \$\$10.00       \$\$4,0         632       POWER CABLE, 3 CONDUCTOR, NO. 6 AWG.       FT       40       \$\$10.00       \$\$4,0         632       POWER SERVICE, AS PER PLAN       EACH       1       \$\$23,500.00       \$\$26,0         632       COMBINATION SIGNAL SUPPORT, TYPE TC-81.22, DESIGN 13, AS PER PLAN       EACH       1       \$\$26,000.00       \$\$26,0         632       COMBINATION SIGNAL SUPPORT, TYPE TC-81.22, DESIGN 14, AS PER PLAN       EACH       2       \$\$1,500.00       \$\$26,0         632       COMBINATION SIGNAL SUPPORT, TYPE TC-81.22, DESIGN 14, AS PER PLAN       EACH       2       \$1,500.00       \$30,0         632       PEDESTAL, \$\$', TRANSFORMER BASE, AS PER PLAN       EACH       4       \$2,250.00       \$30,0         632       PEDESTAL, \$\$', TRANSFORMER BASE, AS PER PLAN       EACH       1       \$1,500.00       \$31,0         632       REMOVAL OF TRAFFIC SIGNAL INSTALLATION, AS PER PLAN       EACH       1       \$1,500.00       \$32,5         633       CONTR	632	INTERCONNECT, MISC.: SPREAD SPECTRUM RADIO UNIT REMOVED AND REINSTALLED	EACH	1	\$1,500.00	\$1,500.00
b32       PEDESIAL FUONDATION       EACH       6       51,500.00       53,00.00         632       POWER CABLE, 3-CONDUCTOR, NO. 2 AWG.       FT       110       \$10.00       \$1,1         632       POWER CABLE, 3-CONDUCTOR, NO. 6 AWG.       FT       40       \$10.00       \$4         632       POWER SERVICE, AS PER PLAN       EACH       1       \$23,500.00       \$23,5         632       COMBINATION SIGNAL SUPPORT, TYPE TC-81.22, DESIGN 12, AS PER PLAN       EACH       1       \$26,000.00       \$26,0         632       COMBINATION SIGNAL SUPPORT, TYPE TC-81.22, DESIGN 14, AS PER PLAN       EACH       2       \$28,000.00       \$56,0         632       COMBINATION SIGNAL SUPPORT, TYPE TC-81.22, DESIGN 14, AS PER PLAN       EACH       2       \$15,00.00       \$56,0         632       PEDESTAL, 5', TRANSFORMER BASE, AS PER PLAN       EACH       4       \$2,250.00       \$30,0         632       PEDESTAL, 5', TRANSFORMER BASE, AS PER PLAN       EACH       4       \$2,250.00       \$35,0         633       CABINET, TYPE TS-2, AS PER PLAN       EACH       1       \$16,000.00       \$16,0         633       CABINET, TOPE TS-2, AS PER PLAN       EACH       1       \$15,00.00       \$35,5         633       CONTROLLER WORK PAD, AS PER PLAN<	632	SIGNAL SUPPORT FOUNDATION, AS PER PLAN	EACH	4	\$8,500.00	\$34,000.00
032       POWER CABLE, 3-CONDUCTOR, NO. 6 AWG.       FT.       40       \$10.00       \$4,4         632       POWER CABLE, 3-CONDUCTOR, NO. 6 AWG.       FT.       40       \$10.00       \$4,0         632       POWER SERVICE, AS PER PLAN       EACH       1       \$4,000.00       \$4,0         632       COMBINATION SIGNAL SUPPORT, TYPE TC-81.22, DESIGN 12, AS PER PLAN       EACH       1       \$22,000.00       \$22,0         632       COMBINATION SIGNAL SUPPORT, TYPE TC-81.22, DESIGN 14, AS PER PLAN       EACH       1       \$22,000.00       \$56,0         632       COMBINATION SIGNAL SUPPORT, TYPE TC-81.22, DESIGN 14, AS PER PLAN       EACH       2       \$15,00.00       \$3,0         632       PEDESTAL, \$', TRANSFORMER BASE, AS PER PLAN       EACH       4       \$22,250.00       \$30,0         632       REMOVAL OF TRAFFIC SIGNAL INSTALLATION, AS PER PLAN       EACH       1       \$16,000.00       \$55,500.00       \$55,500.00       \$55,500.00       \$55,500.00       \$55,500.00       \$51,50       \$53       \$633       CONTROLLER WORK PAD, AS PER PLAN       EACH       1       \$1,500.00       \$1,50       \$34,55       \$33       \$34       \$35,500.00       \$51,50       \$33,55       \$33       \$34       \$35,500.00       \$1,50       \$34,55       \$33	632		EACH	0 110	\$1,500.00 \$10.00	\$9,000.00 \$1,100.00
632     POWER SERVICE, AS PER PLAN     EACH     1     \$4,000.00     \$4,0       632     COMBINATION SIGNAL SUPPORT, TYPE TC-81.22, DESIGN 12, AS PER PLAN     EACH     1     \$23,500.00     \$23,5       632     COMBINATION SIGNAL SUPPORT, TYPE TC-81.22, DESIGN 13, AS PER PLAN     EACH     1     \$24,000.00     \$26,0       632     COMBINATION SIGNAL SUPPORT, TYPE TC-81.22, DESIGN 14, AS PER PLAN     EACH     1     \$28,000.00     \$55,0       632     PEDESTAL, 5', TRANSFORMER BASE, AS PER PLAN     EACH     2     \$28,000.00     \$55,0       632     PEDESTAL, 5', TRANSFORMER BASE, AS PER PLAN     EACH     4     \$2,250.00     \$50,0       633     CABINET, TYPE TS-2, AS PER PLAN     EACH     1     \$16,000.00     \$16,0       633     CABINET, TYPE TS-2, AS PER PLAN     EACH     1     \$16,000.00     \$16,0       633     CABINET, TYPE TS-2, AS PER PLAN     EACH     1     \$1,500.00     \$31,5       633     CONTROLLER WORK PAD, AS PER PLAN     EACH     1     \$1,500.00     \$32,5       633     CONTROLLER WORK PAD, AS PER PLAN     EACH     1     \$1,500.00     \$32,5       634     CENTER LINE, 6"     MILE     0.4     \$5,500.00     \$32,2       644     CENTER LINE, 6"     FT     1505     \$22,5	632	POWER CABLE, 3 CONDUCTOR, NO. 6 AWG.	FT	40	\$10.00	\$1,100.00
632       COMBINATION SIGNAL SUPPORT, TYPE TC-81.22, DESIGN 12, AS PER PLAN       EACH       1       \$23,500.00       \$23,5         632       COMBINATION SIGNAL SUPPORT, TYPE TC-81.22, DESIGN 13, AS PER PLAN       EACH       1       \$22,600.00       \$56,0         632       COMBINATION SIGNAL SUPPORT, TYPE TC-81.22, DESIGN 14, AS PER PLAN       EACH       2       \$22,000.00       \$56,0         632       PEDESTAL, 5', TRANSFORMER BASE, AS PER PLAN       EACH       2       \$1,500.00       \$3,0         632       PEDESTAL, 5', TRANSFORMER BASE, AS PER PLAN       EACH       4       \$2,250.00       \$3,0         632       REMOVAL OF TRAFFIC SIGNAL INSTALLATION, AS PER PLAN       EACH       1       \$1,600.00       \$5,5         633       CABINET, FUPE TS-2, AS PER PLAN       EACH       1       \$1,600.00       \$1,6,0         633       CABINET FOUNDATION       EACH       1       \$1,500.00       \$3,5         633       CONTROLLER WORK PAD, AS PER PLAN       EACH       1       \$1,500.00       \$1,5         633       CONTROLLER WORK PAD, AS PER PLAN       EACH       1       \$1,500.00       \$1,7         644       LANE LINE, 6''       MILE       0.34       \$5,500.00       \$1,7         644       CHANNELIZING LINE, 8''	632	POWER SERVICE, AS PER PLAN	EACH		\$4,000.00	\$4.000.00
632       COMBINATION SIGNAL SUPPORT, TYPE TC-81.22, DESIGN 13, AS PER PLAN       EACH       1       \$26,00.00       \$26,0         632       COMBINATION SIGNAL SUPPORT, TYPE TC-81.22, DESIGN 14, AS PER PLAN       EACH       2       \$28,000.00       \$56,0         632       COMBINATION SIGNAL SUPPORT, TYPE TC-81.22, DESIGN 14, AS PER PLAN       EACH       2       \$22,00.00       \$56,0         632       PEDESTAL, 5', TRANSFORMER BASE, AS PER PLAN       EACH       4       \$2,250.00       \$9,0         632       REMOVAL OF TRAFFIC SIGNAL INSTALLATION, AS PER PLAN       LUMP       1       \$5,500.00       \$55,5         633       CABINET, TYPE TS-2, AS PER PLAN       EACH       1       \$16,000.00       \$16,00         633       CABINET FOUNDATION       EACH       1       \$3,500.00       \$3,5         633       CONTROLLER WORK PAD, AS PER PLAN       EACH       1       \$3,500.00       \$1,5         633       UNINTERRUPTIBLE POWER SUPPLY (UPS), 1000 WATT, AS PER PLAN       EACH       1       \$7,000.00       \$7,2         644       LANE LINE, 6"       MILE       0.34       \$5,000.00       \$2,2         644       CENTER LINE       FT       150       \$8.00       \$1,2         644       CENTER LINE       FT	632	COMBINATION SIGNAL SUPPORT, TYPE TC-81.22, DESIGN 12, AS PER PLAN	EACH	1	\$23,500.00	\$23,500.00
632       COMBINATION SIGNAL SUPPORT, TYPE TC-81.22, DESIGN 14, AS PER PLAN       EACH       2       \$28,000.00       \$\$56,0         632       PEDESTAL, 5', TRANSFORMER BASE, AS PER PLAN       EACH       2       \$1,500.00       \$3,0         632       PEDESTAL, 8', TRANSFORMER BASE, AS PER PLAN       EACH       4       \$2,250.00       \$9,0         633       CABINET, TYPE TS-2, AS PER PLAN       LUMP       1       \$5,500.00       \$1,6,0         633       CABINET, TYPE TS-2, AS PER PLAN       EACH       1       \$16,000.00       \$16,0         633       CABINET, FOUNDATION       EACH       1       \$15,00.00       \$3,5         633       CONTROLLER WORK PAD, AS PER PLAN       EACH       1       \$1,000.00       \$1,7         633       UNINTERRUPTIBLE POWER SUPPLY (UPS), 1000 WATT, AS PER PLAN       EACH       1       \$7,00.00       \$7,0         634       UNINTERRUPTIBLE POWER SUPPLY (UPS), 1000 WATT, AS PER PLAN       EACH       1       \$7,00.00       \$2,22         644       CENTER LINE       MILE       0.4       \$5,500.00       \$2,22         644       CENTER LINE, 8"       FT       150       \$8,00       \$1,7         644       CROSSWALK LINE, 24"       FT       150       \$8,00	632	COMBINATION SIGNAL SUPPORT, TYPE TC-81.22, DESIGN 13, AS PER PLAN	EACH	1	\$26,000.00	\$26,000.00
632       PEDESTAL, 5', TRANSFORMER BASE, AS PER PLAN       EACH       2       \$1,500.00       \$3,0         632       PEDESTAL, 8', TRANSFORMER BASE, AS PER PLAN       EACH       4       \$2,250.00       \$9,0         632       REMOVAL OF TRAFFIC SIGNAL INSTALLATION, AS PER PLAN       LUMP       1       \$5,500.00       \$5,5         633       CABINET, FUPE TS-2, AS PER PLAN       EACH       1       \$16,000.00       \$16,0         633       CABINET, FOUNDATION       EACH       1       \$15,000.00       \$15,5         633       CONTROLLER WORK PAD, AS PER PLAN       EACH       1       \$1,000.00       \$1,5         633       UNINTERRUPTIBLE POWER SUPPLY (UPS), 1000 WATT, AS PER PLAN       EACH       1       \$7,000.00       \$7,0         644       LANE LINE, 6"       MILE       0.4       \$5,500.00       \$2,2         644       CENTER LINE       MILE       0.34       \$5,000.00       \$1,7         644       CHANNELIZING LINE, 8"       FT       1505       \$2,25       \$3,3         644       SCHOOL SYMBOL MARKING, 96"       FT       150       \$8,00       \$1,2         644       SCHOOL SYMBOL MARKING, 96"       EACH       1       \$45,00       \$4,5         644	632	COMBINATION SIGNAL SUPPORT, TYPE TC-81.22, DESIGN 14, AS PER PLAN	EACH	2	\$28,000.00	\$56,000.00
632       PEDESTAL, 8', TRANSFORMER BASE, AS PER PLAN       EACH       4       \$2,250.00       \$9,0         632       REMOVAL OF TRAFFIC SIGNAL INSTALLATION, AS PER PLAN       LUMP       1       \$5,500.00       \$5,5         633       CABINET, TYPE TS-2, AS PER PLAN       EACH       1       \$16,000.00       \$16,00         633       CABINET, FOUNDATION       EACH       1       \$3,500.00       \$3,5         633       CONTROLLER WORK PAD, AS PER PLAN       EACH       1       \$1,000.00       \$1,5         633       UNINTERRUPTIBLE POWER SUPPLY (UPS), 1000 WATT, AS PER PLAN       EACH       1       \$7,000.00       \$7,0         644       LANE LINE, 6"       MILE       0.4       \$5,500.00       \$2,2         644       CENTER LINE       MILE       0.4       \$5,000.00       \$1,7         644       CHANNELIZING LINE, 8"       FT       1505       \$2,25       \$3,3         644       STOP LINE       FT       150       \$8.00       \$1,2         644       CROSSWALK LINE, 24"       FT       150       \$8.00       \$4,5         644       SCHOOL SYMBOL MARKING, 96"       EACH       1       \$450.00       \$4         644       SCHOOL SYMBOL MARKING, 96"       <	632	PEDESTAL, 5', TRANSFORMER BASE, AS PER PLAN	EACH	2	\$1,500.00	\$3,000.00
D32         REMIOVAL OF TRAFFIC SIGNAL INSTALLATION, AS PER PLAN         LUMP         1         \$5,500.00         \$5,5           633         CABINET, TYPE TS-2, AS PER PLAN         EACH         1         \$16,000.00         \$16,0           633         CABINET FOUNDATION         EACH         1         \$15,000.00         \$3,55           633         CONTROLLER WORK PAD, AS PER PLAN         EACH         1         \$1,000.00         \$1,5           633         UNINTERRUPTIBLE POWER SUPPLY (UPS), 1000 WATT, AS PER PLAN         EACH         1         \$7,000.00         \$7,0           644         LANE LINE, 6"         MILE         0.4         \$5,500.00         \$2,2           644         CENTER LINE         MILE         0.4         \$5,000.00         \$1,7           644         CENTER LINE, 8"         FT         1505         \$2,25         \$3,3           644         STOP LINE         FT         150         \$8.00         \$1,2           644         CROSSWALK LINE, 24"         FT         150         \$8.00         \$1,2           644         SCHOOL SYMBOL MARKING, 96"         EACH         1         \$450.00         \$4           644         SCHOOL SYMBOL MARKING, 96"         EACH         1         \$400.00	632	PEDESTAL, 8', TRANSFORMER BASE, AS PER PLAN	EACH	4	\$2,250.00	\$9,000.00
633       CABINET, IYPE 15-2, AS PER PLAN       EACH       1       \$16,000.00       \$16,00         633       CABINET FOUNDATION       EACH       1       \$3,500.00       \$3,5         633       CONTROLLER WORK PAD, AS PER PLAN       EACH       1       \$1,500.00       \$1,5         633       UNINTERRUPTIBLE POWER SUPPLY (UPS), 1000 WATT, AS PER PLAN       EACH       1       \$7,000.00       \$7,00         644       LANE LINE, 6"       MILE       0.4       \$5,500.00       \$2,22         644       CENTER LINE       MILE       0.34       \$5,000.00       \$1,7         644       CHANNELIZING LINE, 8"       FT       1505       \$2,225       \$3,3         644       STOP LINE       FT       1505       \$2,25       \$3,3         644       CROSSWALK LINE, 24"       FT       150       \$8.00       \$1,2         644       CROSSWALK LINE, 24"       FT       159       \$8.00       \$1,2         644       CROSSWALK LINE, 24"       FT       159       \$8.00       \$1,2         644       SCHOOL SYMBOL MARKING, 96"       EACH       1       \$450.00       \$4,5         644       LANE ARROW       EACH       1       \$450.00       \$4,2	632	REMOVAL OF TRAFFIC SIGNAL INSTALLATION, AS PER PLAN	LUMP	1	\$5,500.00	\$5,500.00
633       CABINET FOUNDATION       EACH       1       \$3,500.00       \$3,5         633       CONTROLLER WORK PAD, AS PER PLAN       EACH       1       \$1,500.00       \$7,0         633       UNINTERRUPTIBLE POWER SUPPLY (UPS), 1000 WATT, AS PER PLAN       EACH       1       \$7,000.00       \$7,2         644       LANE LINE, 6"       MILE       0.4       \$5,500.00       \$2,2         644       CENTER LINE       MILE       0.4       \$5,000.00       \$1,7         644       CENTER LINE       MILE       0.34       \$5,000.00       \$1,7         644       CHANNELIZING LINE, 8"       FT       1505       \$2.25       \$3,3         644       STOP LINE       FT       150       \$8.00       \$1,2         644       CROSSWALK LINE, 24"       FT       150       \$8.00       \$4,5         644       CROSSWALK LINE, 24"       FT       159       \$8.00       \$4,5         644       CROSSWALK LINE, 24"       FT       159       \$8.00       \$4,5         644       SCHOOL SYMBOL MARKING, 96"       EACH       1       \$450.00       \$4         644       LANE ARROW       EACH       1       \$450.00       \$4         6	633	CABINET, TYPE TS-2, AS PER PLAN	EACH	1	\$16,000.00	\$16,000.00 \$2,500.00
633       UNINTERRUPTIBLE POWER SUPPLY (UPS), 1000 WATT, AS PER PLAN       EACH       1       \$7,000.00       \$7,0         634       LANE LINE, 6"       MILE       0.4       \$5,500.00       \$2,2         644       CENTER LINE       MILE       0.34       \$5,000.00       \$1,7         644       CENTER LINE       MILE       0.34       \$5,000.00       \$1,7         644       CHANNELIZING LINE, 8"       FT       1505       \$2.25       \$3,3         644       STOP LINE       FT       1505       \$2.25       \$3,3         644       STOP LINE       FT       150       \$8.00       \$1,2         644       CROSSWALK LINE, 24"       FT       568       \$8.00       \$4,5         644       CROSSWALK LINE, 24"       FT       159       \$8.00       \$1,2         644       SCHOOL SYMBOL MARKING, 96"       EACH       1       \$450.00       \$4         644       SCHOOL SYMBOL MARKING, 96"       EACH       1       \$450.00       \$4         644       LANE ARROW       EACH       1       \$450.00       \$4         644       LANE ARROW       EACH       2       \$9,000.00       \$18.00         809       STOP-L	633	CONTROLLER WORK PAD AS PER PLAN	EACH	1	\$3,300.00 \$1,500.00	\$5,500.00
644       LANE LINE, 6"       MILE       0.4       \$5,500.00       \$2,2         644       CENTER LINE       MILE       0.34       \$5,000.00       \$1,7         644       CHANNELIZING LINE, 8"       FT       1505       \$2.25       \$3,3         644       STOP LINE       FT       150       \$8.00       \$1,2         644       CROSSWALK LINE, 8"       FT       1505       \$2.25       \$3,3         644       STOP LINE       FT       150       \$8.00       \$1,2         644       CROSSWALK LINE, 24"       FT       568       \$8.00       \$4,5         644       TRANSVERSE/DIAGONAL LINE       FT       159       \$8.00       \$1,2         644       SCHOOL SYMBOL MARKING, 96"       EACH       1       \$450.00       \$4         644       LANE ARROW       EACH       1       \$450.00       \$4         644       LANE ARROW       EACH       1       \$450.00       \$2,0         809       STOP-LINE RADAR DETECTION, AS PER PLAN       EACH       2       \$9,000.00       \$36,0         809       ATC CONTROLLER, AS PER PLAN       EACH       1       \$6,500.00       \$6,55         CONSTRUCTION SUBTOTAL	633	UNINTERRUPTIBLE POWER SUPPLY (UPS), 1000 WATT, AS PER PLAN	FACH	1	\$7,000.00	\$7.000.00
644       CENTER LINE       MILE       0.34       \$5,000.00       \$1,7         644       CHANNELIZING LINE, 8"       FT       1505       \$2.25       \$3,3         644       STOP LINE       FT       150       \$8.00       \$1,2         644       CROSSWALK LINE, 24"       FT       568       \$8.00       \$4,5         644       TRANSVERSE/DIAGONAL LINE       FT       159       \$8.00       \$1,2         644       SCHOOL SYMBOL MARKING, 96"       EACH       1       \$450.00       \$4         644       LANE ARROW       EACH       1       \$450.00       \$2,00         809       ADVANCE RADAR DETECTION, AS PER PLAN       EACH       2       \$9,000.00       \$36,00         809       ATC CONTROLLER, AS PER PLAN       EACH       1       \$6,500.00       \$6,55         CONSTRUCTION SUBTOTAL       INFLATION (15.7%)       \$285,00       \$22,00,79       \$22,00,79         TOTAL </td <td>644</td> <td>LANE LINE, 6"</td> <td>MILE</td> <td>0.4</td> <td>\$5,500.00</td> <td>\$2,200.00</td>	644	LANE LINE, 6"	MILE	0.4	\$5,500.00	\$2,200.00
644       CHANNELIZING LINE, 8"       FT       1505       \$2.25       \$3,3         644       STOP LINE       FT       150       \$8.00       \$1,2         644       CROSSWALK LINE, 24"       FT       568       \$8.00       \$4,5         644       TRANSVERSE/DIAGONAL LINE       FT       159       \$8.00       \$1,2         644       TRANSVERSE/DIAGONAL LINE       FT       159       \$8.00       \$1,2         644       SCHOOL SYMBOL MARKING, 96"       EACH       1       \$450.00       \$4         644       LANE ARROW       EACH       1       \$450.00       \$4         644       LANE ARROW       EACH       15       \$135.00       \$2,00         809       ADVANCE RADAR DETECTION, AS PER PLAN       EACH       2       \$9,000.00       \$36,00         809       STOP-LINE RADAR DETECTION, AS PER PLAN       EACH       4       \$9,000.00       \$36,00         809       ATC CONTROLLER, AS PER PLAN       EACH       1       \$6,500.00       \$6,55         CONSTRUCTION SUBTOTAL       INFLATION (15.7%)       \$285,00       \$285,00       \$285,00         TOTAL       S21,00,79       \$2,100,79       \$2,100,79       \$2,100,79 <td>644</td> <td>CENTER LINE</td> <td>MILE</td> <td>0.34</td> <td>\$5,000.00</td> <td>\$1,700.00</td>	644	CENTER LINE	MILE	0.34	\$5,000.00	\$1,700.00
644       STOP LINE       FT       150       \$8.00       \$1,2         644       CROSSWALK LINE, 24"       FT       568       \$8.00       \$4,5         644       TRANSVERSE/DIAGONAL LINE       FT       159       \$8.00       \$1,2         644       SCHOOL SYMBOL MARKING, 96"       EACH       1       \$450.00       \$4         644       SCHOOL SYMBOL MARKING, 96"       EACH       1       \$450.00       \$4         644       LANE ARROW       EACH       1       \$450.00       \$4         644       LANE ARROW       EACH       1       \$450.00       \$4         644       LANE ARROW       EACH       1       \$450.00       \$4         809       ADVANCE RADAR DETECTION, AS PER PLAN       EACH       4       \$9,000.00       \$36,00         809       STOP-LINE RADAR DETECTION, AS PER PLAN       EACH       1       \$6,500.00       \$36,00         809       ATC CONTROLLER, AS PER PLAN       EACH       1       \$6,500.00       \$6,55         CONSTRUCTION SUBTOTAL	644	CHANNELIZING LINE, 8"	FT	1505	\$2.25	\$3,386.25
644       CROSSWALK LINE, 24"       FT       568       \$8.00       \$4,5         644       TRANSVERSE/DIAGONAL LINE       FT       159       \$8.00       \$1,2         644       SCHOOL SYMBOL MARKING, 96"       EACH       1       \$450.00       \$4         644       LANE ARROW       EACH       1       \$450.00       \$4         644       LANE ARROW       EACH       15       \$135.00       \$2,0         809       ADVANCE RADAR DETECTION, AS PER PLAN       EACH       2       \$9,000.00       \$18,0         809       STOP-LINE RADAR DETECTION, AS PER PLAN       EACH       4       \$9,000.00       \$36,0         809       ATC CONTROLLER, AS PER PLAN       EACH       1       \$6,500.00       \$36,0         809       ATC CONTROLLER, AS PER PLAN       EACH       1       \$6,500.00       \$6,5         CONSTRUCTION SUBTOTAL       INFLATION (15.7%)       \$285,0       \$285,0       \$285,0         TOTAL       TOTAL       \$2,100.79       \$2,100.79       \$2,100.79	644	STOP LINE	FT	150	\$8.00	\$1,200.00
644       TRANSVERSE/DIAGONAL LINE       FT       159       \$8.00       \$1,2         644       SCHOOL SYMBOL MARKING, 96"       EACH       1       \$450.00       \$4         644       LANE ARROW       EACH       15       \$135.00       \$2,0         809       ADVANCE RADAR DETECTION, AS PER PLAN       EACH       2       \$9,000.00       \$18,0         809       STOP-LINE RADAR DETECTION, AS PER PLAN       EACH       4       \$9,000.00       \$36,0         809       ATC CONTROLLER, AS PER PLAN       EACH       1       \$6,500.00       \$6,5         CONSTRUCTION SUBTOTAL       INFLATION (15.7%)       INFLATION (15.7%)       \$285,0       \$285,0         TOTAL       Station (15.7%)       Station (15.7%)       Station (15.7%)       \$2,100.79	644	CROSSWALK LINE, 24"	FT	568	\$8.00	\$4,544.00
644       SCHOOL SYMBOL MARKING, 96"       EACH       1       \$450.00       \$4         644       LANE ARROW       EACH       15       \$135.00       \$2,0         809       ADVANCE RADAR DETECTION, AS PER PLAN       EACH       2       \$9,000.00       \$18,0         809       STOP-LINE RADAR DETECTION, AS PER PLAN       EACH       4       \$9,000.00       \$36,0         809       ATC CONTROLLER, AS PER PLAN       EACH       1       \$6,500.00       \$36,0         809       ATC CONTROLLER, AS PER PLAN       EACH       1       \$6,500.00       \$36,0         809       ATC CONTROLLER, AS PER PLAN       EACH       1       \$6,500.00       \$26,5         CONSTRUCTION SUBTOTAL        \$285,0       \$285,0       \$285,0         TOTAL        \$2,100.79       \$2,100.79       \$2,100.79	644	TRANSVERSE/DIAGONAL LINE	FT	159	\$8.00	\$1,272.00
044       LAINE ARKOW       EACH       15       \$135.00       \$2,0         809       ADVANCE RADAR DETECTION, AS PER PLAN       EACH       2       \$9,000.00       \$18,0         809       STOP-LINE RADAR DETECTION, AS PER PLAN       EACH       4       \$9,000.00       \$36,0         809       ATC CONTROLLER, AS PER PLAN       EACH       1       \$6,500.00       \$6,5         CONSTRUCTION SUBTOTAL         INFLATION (15.7%)       52,100.75         TOTAL	644	SCHOOL SYMBOL MARKING, 96"	EACH	1	\$450.00	\$450.00
809       STOP-LINE RADAR DETECTION, AS PER PLAN       EACH       2       \$9,000.00       \$18,0         809       STOP-LINE RADAR DETECTION, AS PER PLAN       EACH       4       \$9,000.00       \$36,0         809       ATC CONTROLLER, AS PER PLAN       EACH       1       \$6,500.00       \$6,5         CONSTRUCTION SUBTOTAL       INFLATION (15.7%)       \$285,0       \$285,0         TOTAL       \$2,100.79       \$2,100.79	644 800			15 2	00.051¢ مم ممم مغ	\$2,025.00
809     ATC CONTROLLER, AS PER PLAN     EACH     1     \$6,500.00     \$6,5       CONSTRUCTION SUBTOTAL     \$1,815,7       INFLATION (15.7%)     \$285,0       TOTAL     \$2,100.79	2009 2019	STOP-LINE RADAR DETECTION, AS PER PLAN	εάсн	Ζ Δ	23,000.00 23,000.00	\$10,000.00 \$26,000.00
CONSTRUCTION SUBTOTAL         \$1,815,7           INFLATION (15.7%)         \$285,0           TOTAL         \$2,100,75	809	ATC CONTROLLER, AS PER PLAN	EACH		\$6.500.00	\$6,500.00
INFLATION (15.7%) \$285,0 TOTAL \$2,100,7	505	CONSTRUCTION SUBTOTAL		-		\$1,815,729.00
TOTAL \$2,100.75		INFLATION (15.7%)				\$285,069.00
		TOTAL				\$2,100,798.00



We make no warranty, express or implied, that the actual construction cost of the work associated with these estimated quantities and costs will not vary. The cost reflects our opinion of current probable construction cost. Appendix H- Funding Table & Cost Estimates

PID	115003	Project Name	MOT Woodman Dr Reconstruction
District	7	Locale	Montgomery
Project / Letting Type	Let / ODOT Let	Status	Active
Milestones		7722	
Milestone	Commit Date	Actual Date	Baseline Date
Initial Project Scope Complete	06/09/2021	06/09/2021	
Feasibility Study - Submitted	04/15/2022	04/15/2022	
Feasibility Study - Approved	05/18/2022	05/18/2022	
NEPA Start Date	05/23/2022	05/23/2022	
Stage 1 Plans - Submitted	07/22/2022	07/22/2022	
Stage 1 Plans - Complete	09/16/2022	09/16/2022	
Stage 2 Plans - Submitted	02/24/2023		
Final R/W Plans Submitted	02/24/2023		
Stage 2 Plans - Complete	04/10/2023		
Environmental Document Approved	06/05/2023		
Final R/W Plans - Approved	06/23/2023		
Stage 3 Plans - Submitted	02/23/2024		
Stage 3 Plans - Complete	04/09/2024		
Local Let PS&E Package to District	10/11/2024		
District R/W Certification	11/08/2024		
Plan Package Received in C.C	0. 12/06/2024		
Sale	02/06/2025		
Award	02/13/2025		
Estimated Begin Construction	04/08/2025		
Estimated End Construction	08/05/2026		

Funding Table								
Project Cost Summary				Funding Splits				
Project Phase	Base Cost	Apply Contingency	Contingency	Inflation	Total Cost	Match	Safety Funds	Local Funds
Construction	\$ 1,815,729	No	\$ -	\$ 285,069	\$ 2,100,798	10%	\$ 1,890,719	\$ 210,080
Project Total	\$ 1,815,729		\$-	\$ 285,069	\$ 2,100,798	10%	\$ 1,890,719	\$ 210,080

Contingency	0%
Inflation	15.7%