



**Interoffice Memorandum**

February 3, 2022

TO: Mayor Jerry L. Demings  
-AND-  
County Commissioners

FROM: Joseph C. Kunkel, P.E., Director, Public Works Department

CONTACT PERSON: **Humberto L. Castellero, P.E., PTOE, Manager**  
Traffic Engineering Division

PHONE NUMBER: (407) 836-7891

SUBJ: **Interlocal Agreement between Orange County and the City of Orlando  
Regarding Improvements to and the Assignment of Signal Traffic Control  
for the Intersection of Conroy Road and Hidden Beach Boulevard**

Submitted for approval and execution is the interlocal agreement between Orange County and the City of Orlando regarding intersection improvements at Conroy Road and Hidden Beach Boulevard including installation of a span wire signal, sidewalk, curb ramps, pavement resurfacing, signing and pavement markings.

At no cost to the County, the City of Orlando shall grant to the County all City permits and authorizations appropriate or necessary for the County to construct the intersection project, including but not limited to, right-of-entry and right-of-way use permits. Orange County and the City of Orlando agree to equally share the total construction costs of the intersection project estimated in good faith in the amount of \$514,398.65. Orange County's contribution is in the amount of \$257,199.33.

The County Attorney's Office and the Public Works Traffic Engineering Division have reviewed the interlocal agreement and find it acceptable.

**Action Requested: Approval and execution of Interlocal Agreement between Orange County, Florida and City of Orlando, Florida regarding Improvements to the Intersection of Conroy Road and Hidden Beach BLVD. and assignment of Signal Traffic Control for the Intersection of Conroy Road and Hidden Beach Boulevard. The construction cost to the County is \$257,199.33. District 1.**

JCK/HLC/dar

Attachments

**INTERLOCAL AGREEMENT**  
**between**  
**ORANGE COUNTY, FLORIDA**  
**and**  
**CITY OF ORLANDO, FLORIDA**  
**regarding**  
**IMPROVEMENTS TO THE INTERSECTION**  
**of**  
**CONROY ROAD and HIDDEN BEACH BLVD.**

---

**Approved by the Orange County  
Board of County Commissioners**

March 8, 2022

**Approved by the City of Orlando  
City Commission**

January 24, 2022

**INTERLOCAL AGREEMENT**  
**between**  
**ORANGE COUNTY, FLORIDA**  
**and**  
**CITY OF ORLANDO, FLORIDA**  
**regarding**  
**IMPROVEMENTS TO THE INTERSECTION**  
**of**  
**CONWAY ROAD and HIDDEN BEACH BLVD.**

**THIS INTERLOCAL AGREEMENT** (the "Agreement"), effective as of the latest date of execution ("Effective Date") is made and entered into by and between **Orange County**, a charter county and political subdivision of the State of Florida ("County") with a mailing address of P.O. Box 1393, Orlando, Florida 32802-1393, and the **City of Orlando**, a Florida municipal corporation ("City") located at 400 South Orange Avenue, Orlando, Florida 32801.

WITNESSETH:

**WHEREAS**, County has authority pursuant to Section 125.01(1)(p), Florida Statutes, and City has the authority pursuant to Section 166.021, Florida Statutes, to enter into agreements with another governmental entity or agency for joint performance, or performance by one unit in behalf of the other, of any of either entities or agency's authorized functions;

**WHEREAS**, all roads that are open and available for use by the public and dedicated to public use, according to law or by prescription, are declared to be and established as, pursuant to Section 335.01(1), Florida Statutes, public roads;

**WHEREAS**, the "County road system" is defined by Section 334.03(8), Florida Statutes, as "all collector roads in the unincorporated areas of a county and all extensions of such collector roads into and through any incorporated areas, all local roads in the

unincorporated areas, and all urban minor arterial roads not in the State Highway System”;

**WHEREAS**, the “City street system” is defined by Section 334.03(3), Florida Statutes, as “all local roads within a municipality, and all collector roads inside that municipality, which are not in the County road system”;

**WHEREAS**, Conroy Road is part of the County road system;

**WHEREAS**, Hidden Beach Blvd is part of the City street system;

**WHEREAS**, the intersection of Conroy Road and Hidden Beach Blvd. is currently operated and maintained by County;

**WHEREAS**, County and City have determined that the construction of certain traffic signalization improvements at the intersection (the “Improvements”) will provide improved safety and intersection operations based on the conducted signal warrant analysis;

**WHEREAS**, County and City desire to cooperate in designing, permitting, and constructing the Improvements for the mutual benefit of the citizens, property owners, and businesses of both City and County, according to the terms and conditions of this Agreement;

**WHEREAS**, County and City concur that the Improvements will be most efficiently and expeditiously completed if County and City partner to fund such Improvements, such that City designs the Improvements and County permits (as needed), bids, and constructs the Improvements, according to the terms and conditions set forth herein;

**WHEREAS**, therefore, this Agreement is intended to set forth the terms and conditions relating to the design, permitting, bidding, and construction of the Improvements;

**WHEREAS**, moreover, this Agreement is intended to establish that County shall have the jurisdiction to control traffic at the intersection, pursuant to Section 316.006(2), Florida Statutes; and

**WHEREAS**, however, this Interlocal Agreement is not intended to apply and shall not be construed as applying to the subject of which law enforcement authority (the City's Police Department or the Orange County Sheriff's Office) has jurisdiction to enforce traffic laws at the intersection, pursuant to Section 316.640, Florida Statutes.

**NOW, THEREFORE**, in consideration of the mutual covenants and agreements herein contained, and other valuable consideration, the receipt and sufficiency of which are hereby acknowledged and agreed, the County and the City agree as follows:

**Section 1. Recitals.**

The foregoing recitals are true and correct and form a material part of this Agreement.

**Section 2. "Intersection" defined.**

The "Intersection" is defined in this Agreement as the general area of convergence of the rights-of-way of Hidden Beach Blvd with Conroy Road as generally depicted and described in **Appendix "A"** attached hereto and incorporated herein by reference.

**Section 3. Intersection Project; Intersection Project Costs; Good Faith Estimate; Parties' Shares of Costs.**

(a) **Intersection Project.** County and City agree to modify the Intersection as determined by City's traffic signal warrant study and design, permit, bid, construct, and install and a new strain pole traffic signal system at the Intersection, all as generally depicted and described in **Appendix "B,"** attached hereto and incorporated herein ("Intersection Project"). City is currently completing design of the Intersection Project, referenced as "Construction Plans for Hidden Beach Boulevard at Conroy Road" (the "Plans"), at its sole cost.

(b) **Intersection Project Costs.** All actual permitting, construction, and related costs (but not including design costs) for the Intersection Project shall be deemed "Intersection Project Costs."

(c) **Good Faith Estimate.** The parties' good faith estimate of the Intersection Project Costs is **Five Hundred Fourteen Thousand, Three Hundred Ninety**

**Eight and 65/100 Dollars, (\$514,398.65)** (the "Estimate"). The itemization of those costs is set forth in **Appendix "C,"** attached hereto and incorporated herein by reference.

**(d) Parties' Shares of Costs.** As aforementioned, City shall be responsible for 100% of the design costs for the Intersection Project. County and City shall each be responsible for fifty percent (50%) of the Intersection Project Costs.

#### **Section 4. Responsibilities for the Intersection Project.**

City shall be responsible for designing the Intersection Project. County shall be responsible for obtaining necessary permits, bidding, and constructing the Intersection Project.

**(a) Design and Construction.** City has completed a traffic signal warrant study, which County has reviewed and approved, and will manage design of the Intersection Project, including coordinating with all applicable utilities and other third parties, at no cost to County. County will procure all applicable permits and manage construction of the Intersection Project. Although the parties are sharing equally the permitting and construction costs of the Intersection Project, County shall not be responsible for any costs associated with the warrant study or the design.

**(b) Construction Plans.** City shall send the design construction Plans to County for County's review and comment at 75% and 100% completion. County shall have thirty (30) days from delivery to review, comment, and indicate its approval or denial of the 75% Plans and the 100% Plans. Failure by the County to provide its approval or denial of the final Plans within such thirty (30) day period shall be deemed approval of the applicable version of the Plans. Upon County's approval of the 100% Plans, which approval shall not be unreasonably conditioned, withheld, or delayed, County will proceed to obtain a contractor for construction of the Intersection Project.

**(c) Contract Amount.** County will, as soon as reasonably possible, but in any case no later than fifteen days after opening the bids for construction of the Intersection Project, provide to the City the list of bidders and the amount of the bids. County will not, without the City's written consent, award a contract (or issue a Notice to Proceed), for the Intersection Project, in a contract amount that is more than ten percent (10%) over the Estimate; in such event, the Parties agree to meet in good faith to negotiate an agreement between them as to the contract amount.

(d) **Timelines for Intersection Project.** County shall make a good faith effort to ensure that the Intersection Project is completed no later than Two Hundred and Forty (240) days after the County's approval of the 100% Plans.

(e) **Delays, overruns, etc.** County shall timely communicate to City any material delays, cost overruns, and substantive issues that may arise throughout the Intersection Project. Notwithstanding any cost overruns, City and County's respective shares of the total Intersection Project Costs shall not exceed fifty percent (50%) of the total Intersection Project Cost, including cost overruns.

(f) **City's Right to Inspect.** City shall have the reasonable right, at its discretion, to inspect the Intersection Project throughout the construction phase.

(g) **Completion of Intersection Project.** County shall make reasonable efforts to ensure that the Intersection Project is completed pursuant to the approved final design Plans, as may be modified if and when mutually agreed by the parties. Upon completion of construction of the Intersection Project, County's Public Works Director shall promptly so notify City's Transportation Director. The Completion Date of the Intersection Project shall be the date when City's Transportation Director accepts such completion, which acceptance shall not be unreasonably conditioned, delayed, or withheld.

(h) County shall incorporate its standard insurance and performance and payment bond requirements in the construction contract documents for the Intersection Project. The general liability insurance policy provided by the County's contractor shall name the City of Orlando as an additional insured. The performance and payment bonds shall remain in full force and effect until one (1) year after the Completion Date.

**Section 5. Additional City Responsibilities for Intersection Project.**

(a) **Payment Schedule.** City shall make payment directly to County for its share of the Intersection Project Costs. Upon County issuing a Notice to Proceed to the construction contractor and an associated invoice to City, which will include a copy of the Notice to Proceed, City shall, no later than sixty (60) days after such invoice, pay to County 50% of the contract amount referenced in County's construction contract for the Intersection Project (the "**Intersection Project Contract Cost**") Within thirty (30) days

after the Completion Date, County shall provide to City a statement setting forth the actual permitting and construction costs (the “**Total Intersection Project Costs**”), including all change orders, for the Intersection Project. If the Total Intersection Project Costs exceed the Intersection Project Contract Cost, then County will invoice City for one-half of said excess amount which City will pay within thirty (30) days. In the event the Total Intersection Project Costs are less than the Intersection Project Contract Cost, then County will refund one-half of such amount to the City, within thirty (30) days.

**(b) City Permits.** At no cost to County, City shall, upon request by County, and after standard review by City in its regulatory capacity, grant all City permits and authorizations appropriate or necessary for County to construct the Intersection Project, including but not limited to right-of-entry and right-of-way use permits. City hereby waives all fees associated with such permits and authorizations.

**(c) City and County Review of Estimates, Costs, Payments, and Plans.** To the extent City and County disagree as to any estimates, costs, payments, or plans, as and where authorized to do so under this Agreement, the parties shall attempt to reach agreement on such issue within thirty (30) days of said disagreement, or within such other time as may be agreed upon by City’s and the County’s representatives.

**Section 6. Traffic Control for Intersection.**

County hereby accepts and acknowledges its current responsibility for traffic control for the Intersection and associated costs for signal operation and maintenance.

County shall continue to be responsible for regulating, warning, guiding, and controlling traffic and pedestrians in the Intersection, as authorized under Section 316.006(2), Florida Statutes, regardless of any future alteration, realignment, construction, extension, or widening of the Intersection.

**Section 7. General Provisions.**

**(a) Validity.** County and City each represents, warrants, and covenants to and with the other its respective authority and power under Florida law to enter into this Agreement, acknowledges the validity and enforceability of this Agreement, and waives any future right or defense based on any claim of illegality, invalidity or unenforceability of any nature.



**(b) Governing Law; Venue; Attorney's Fees and Costs.**

**(1) Governing Law.** This Agreement shall be governed by and construed in accordance with the laws of the State of Florida.

**(2) Venue.** Venue for any action arising out of or related to this Agreement shall be in the Circuit Court of the Ninth Judicial Circuit in and for Orange County, Florida.

**(3) Attorney Fees and Costs.** In the event a party deems it necessary to take legal action to enforce any provision of this Agreement, each party shall bear its own attorney fees and costs.

**(c) Remedies.** Upon any failure of either party to perform its obligations under this Agreement, the aggrieved party shall have the right to pursue any remedy available in law, equity, or otherwise, but before a court action is maintained, such party must comply with Chapter 164, Florida Statutes, incorporated herein by reference.

**(d) Entire Agreement.** This Agreement, including its appendixes, constitutes the entire agreement of the parties with respect to the subject matters of this Agreement. Therefore, any previous oral or written communications or understandings of the parties with respect to the subject matters hereof are null and void and pre-empted by this Agreement.

**(e) Amendments.**

Any amendments to this Agreement shall only be deemed enforceable only if in writing, approved by the Board of County Commissioners and the City Commission, and signed by the parties hereto.

**(f) Waivers.**

No waiver of any provision of this Agreement shall be effective unless in writing and signed by the party against whom it is asserted. A waiver shall be applicable only to the specified instance to which it relates and shall not be deemed a continuing or future waiver unless expressly deemed otherwise in writing.

**(g) Notices.** All notices required to be given hereunder shall be in writing and shall be deemed given and received in the following circumstances: (1) when personally delivered by hand; (2) three business days after being deposited in the United States Mail, postage prepaid, certified or registered; (3) the next business day after being

deposited with a recognized overnight mail courier delivery service; (4) when sent by electronic mail; or (5) when transmitted by facsimile or telecopy transmission, with receipt acknowledged upon transmission. All notices hereunder shall be addressed as follows (or to such other official or at such other address, of which either party hereto shall subsequently give written notice as provided herein):

If to the County:                    Director  
Orange County Public Works Department  
4200 S. John Young Parkway  
Orlando, Florida 32839-9205  
Phone: (407) 836-7900  
Telecopy: (407) 836-7716

With a copy to:                    County Administrator  
Post Office Box 1393  
Orlando, Florida 32802  
Phone: (407) 836-7370  
Telecopy: (407) 836-7399

If to the City:                    Tanya Wilder, Director  
Transportation Department  
City of Orlando  
400 S. Orange Avenue  
Orlando, FL 32801

With a copy to:                    Chief Assistant City Attorney  
City Attorney's Office - Public Works  
City of Orlando  
400 S. Orange Avenue  
Orlando, FL 32801

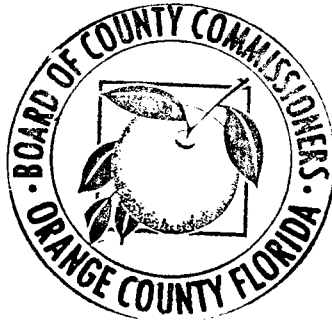
In all cases, notices shall be deemed delivered to a party only upon delivery of copies to the persons indicated above in the same manner as for the party being notified. Either party may change its address or official for notice purposes by giving the other party notice as provided herein.

**(h) Ambiguities.** Both parties have been allowed equal input regarding the terms and wording of this Agreement, and have had the benefit of consultation with their respective legal counsel prior to its execution, such that all language and wording herein shall be construed equally for and against the parties.

(i) **Headings.** The headings or captions of sections or subsections used in this Agreement are merely for the convenience of the parties for reference only and are not intended to define or limit their contents, and are not intended to affect the construction of or to be taken into consideration in interpreting this Agreement.

(j) **Indemnification?**

IN WITNESS WHEREOF, County and City have executed this Agreement as of the dates written below.



**ORANGE COUNTY, FLORIDA**  
By: Board of County Commissioners

By: *Jerry L. Demings*  
for Jerry L. Demings  
Orange County Mayor

Date: *8 March*, 2022

ATTEST: Phil Diamond, CPA, County Comptroller,  
as Clerk of the Board of County Commissioners

By: *Emily Rivera*  
for Deputy Clerk

Print Name: *Emily Rivera*

**CITY OF ORLANDO, FLORIDA**

By: *Shirley Gray*  
Mayor / Mayor Pro Tem

Date: *January 24*, 2022

ATTEST:

By: *Stephanie Herdocia*  
Stephanie Herdocia, City Clerk

FOR THE USE AND RELIANCE ONLY  
OF THE CITY OF ORLANDO, FLORIDA:

This *20* day of *JAN*, 20*22*  
By: *Roy Payne*  
Roy Payne, Esq.  
Chief Assistant City Attorney

**Appendix "A"**

**General Depiction of Intersection**



Transportation Engineering Division

### Appendix "A"

## Transfer of Traffic Control for the Intersection of Conroy Road and Hidden Beach Boulevard

All data, information, and maps are provided "as is" without warranty or any representation of accuracy, timeliness or completeness.

**Appendix "B"**

**General Description of Intersection Project**

## **Appendix “B”**

### **General Description of Intersection Project**

The City of Orlando has requested signal design Scope of Services from DRMP, Inc. (DRMP) for the design to convert the currently stop-controlled intersection of Conroy Road at Hidden Beach Bv to a strain pole/span wire signalized intersection. The intersection is currently a four-legged intersection that is stop-controlled on the side street approaches.

#### **A. DESIGN SERVICES TO BE PROVIDED**

The work to be performed under this Task Work Order includes the following task activities.

1. Initial Review and Data Collection
  - a. Initial field review by EOR.
  - b. Collection of field measurements and qualitative assessment.
  - c. Topographic survey from right-of-way to right-of-way and extending approximately one thousand (1,000) linear feet to the east and to the west along Conroy Road and extending approximately one-hundred and thirty (130) linear feet to the north and south along Hidden Beach Blvd (to be performed by L&S Diversified).
  - d. Collection of any existing as-built data and right-of-way records.
2. 30% Design Plans
  - a. Creation of a concept-level 30% plans set.
  - b. Presentation of 30% plans set at kick-off meeting.
3. 75% Design Plans
  - a. Creation of 75% design plans, which are expected to include:
    - i. Key Sheet
    - ii. Tabulation of Quantities Sheet
    - iii. Typical Section
    - iv. General Notes Sheet
    - v. Plans Sheets (Roadway, Signalization and Signing and Pavement Marking)
    - vi. Roadway Cross Sections
    - vii. OUC Service Details
    - viii. Traffic Control Plan
  - b. Internal QA/QC
  - c. Submittal of 75% plans to Orange County for review
4. 100% Design Plans
  - a. Respond to comments from Orange County on 75% plans submittal

- b. Creation of 100% design plans, which will include updates to the 75% plans sheets, as well as the addition of the following sheets:
    - i. Mast Arm Assemblies Data Table Sheet
    - ii. Splicing Diagram
    - iii. Report of Core Borings
    - iv. Summary of Verified Utilities
  - c. To support the additional sheets, the following will occur:
    - i. Perform four geotechnical borings, one each near each strain pole location (to be performed by Antillian Engineering Associates, Inc).
    - ii. Perform Subsurface Utility Engineering (SUE) to clear each mast hole location (to be performed by L&S Diversified).
    - iii. Perform a structural analysis of proposed new Strain pole/span wire system.
  - d. Internal QA/QC
  - e. Submittal of 100% plans to Orange County for review.
5. Final Signed and Sealed Plans
- a. Respond to comments from Orange County on 100% plans submittal.
  - b. Update design plans for final submittal:
  - c. Internal QA/QC
  - d. Sign and seal and submit plans to Orange County.
6. Post Design
- a. Respond to any questions from Orange County.
  - b. Respond to any RFIs from the contractor.
  - c. Review of shop drawing submittals from the contractor.
  - d. Plans revision if necessary.
7. Management and Coordination
- a. DRMP will provide continuous management and oversight of the design process.
  - b. Periodic progress updates will be provided.

#### **A. CONSTRUCTION SERVICES TO BE PROVIDED**

Orange County will use a term contract to build the traffic signal.

Once the Contractor receives notice to proceed for the signal at the intersection of Conroy Road at Hidden Beach Bv, the construction duration is anticipated to be completed within seven months.



**Appendix "C"**

**Good Faith Estimate and Itemization of Intersection Project Costs**

**COST ESTIMATE - 75%**  
 HIDDEN BEACH & CONROY ROAD  
 ROADWAY AND SUMMARY

PAY ITEM ID	PAY ITEM DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	AMOUNT
101 1	MOBILIZATION	1	LS	SEE BELOW	-
102 1	MAINTENANCE OF TRAFFIC	1	LS	SEE BELOW	-
104-14	PREVENTION, CONTROL AND ABATEMENT OF EROSION AND WATER POLLUTION	1	LS	\$600.00	600.00
110 1 1	CLEARING & GRUBBING	1	LS/AC	\$5,000.00	8,063.06
120 1	REGULAR EXCAVATION	549	CY	\$9.14	5,017.86
120 6	EMBANKMENT	5	CY	\$6.67	33.35
160 4	TYPE B STABILIZATION	627	SY	\$7.18	4,501.86
285 713	OPTIONAL BASE, BASE GROUP 13	627	SY	\$44.16	27,688.32
327 70 17	MILLING EXISTING ASPHALT PAVEMENT, 3 1/4" A/VG DEPTH	2102	SY	\$1.94	4,077.88
334 1 13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	2618	SY	\$10.56	27,651.84
337 7 82	ASPHALT CONCRETE FRICTION COURSE, TRAFFIC C, FC-9.5, PG 76-22	2618	SY	\$9.82	25,713.01
520 2 1	CONCRETE CURB, TYPE A	842	LF	\$22.27	18,751.34
520 1 10	CONCRETE CURB & GUTTER, TYPE F	68	LF	\$24.11	1,639.48
522 1	CONCRETE SIDEWALK AND DRIVEWAYS, 4" THICK	43	SY	\$40.83	1,755.69
527 2	DETECTABLE WARNINGS	97	SF	\$27.64	2,681.08
570 1 1	PERFORMANCE TURF (MATCH EXISTING)	470	SY	\$2.97	1,395.90
	<b>Sub-Total:</b>			<b>\$</b>	<b>129,570.67</b>

Roadway Sub-Total: \$ 129,570.67  
 Signing and Marking Sub-Total: \$ 16,340.75  
 Signalization Sub-Total: \$ 217,364.46  
 Components Sub-Total: \$ 363,275.88

Mobilization: 10.0% \$ 36,327.59  
 Maintenance of Traffic: 8.0% \$ 29,062.07  
 Landscape Complete: 0.0% \$ -  
 Structures Complete: 0.0% \$ -

**Sub-Total: \$ 65,389.66**

Contingency: 20% \$ 85,733.11  
**Project Grand Total: \$ 514,398.65**

## COST ESTIMATE - 75%

HIDDEN BEACH & CONROY ROAD

SIGNING AND PAVEMENT MARKINGS

PAY ITEM ID	PAY ITEM DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	AMOUNT
700-1-11	SINGLE POST SIGN, F&I GROUND MOUNT, UP TO 12 SF	3	AS	\$389.97	\$1,169.91
700-1-60	SINGLE POST SIGN, REMOVE	2	AS	\$55.04	\$110.08
706-1-3	RAISED PAVEMENT MARKERS, TYPE B	54	EA	\$3.40	\$183.60
710-90	PAINTED PAVEMENT MARKINGS FINAL SURFACE	1	LS	\$5,000.00	\$5,000.00
711-11-123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDABOUT	454	LF	\$2.93	\$1,330.22
711-11-125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE AND CROSSWALK	145	LF	\$5.27	\$764.15
711-11-141	THERMOPLASTIC, STANDARD, WHITE, 6-10 GAP EXTENSION, 6"	0.04	GM	\$2,998.84	\$107.96
711-11-170	THERMOPLASTIC, STANDARD, WHITE, ARROW	6	EA	\$64.03	\$384.18
711-14-125	THERMOPLASTIC, PERFORMED, WHITE, 24" FOR CROSSWALKS	377	LF	\$15.17	\$5,719.09
711-16-101	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6"	0.21	GM	\$4,294.01	\$881.13
711-16-201	THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SOLID, 6"	0.16	GM	\$4,345.06	\$690.43
<b>Sub-Total:</b>					<b>\$16,340.75</b>

# COST ESTIMATE - 75%

HIDDEN BEACH & CONROY ROAD

SIGNALIZATION

PAY ITEM ID	PAY ITEM DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	AMOUNT
563-4	ANTI- GRAFFITI COATING, NON-SACRIFICIAL	96	SF	\$0.86	\$82.56
630-2-11	CONDUIT, FURNISH & INSTALL, OPEN TRENCH	140	LF	\$10.57	\$1,479.80
630-2-12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	125	LF	\$25.70	\$3,212.50
632-7-1	SIGNAL CABLE- NEW OR RECONSTRUCTED INTERSECTION, FURNISH & INSTALL	1	PI	\$6,288.09	\$6,288.09
633-2-31	FIBER OPTIC CONNECTION, INSTAL, TERMINATION	6	EA	\$4,325.00	\$25,950.00
633-3-11	FIBER OPTIC CONNECTION HARDWARE, F&I, SPLICE ENCLOSURE	1	EA	\$991.27	\$991.27
633-3-12	FIBER OPTIC CONNECTION HARDWARE, F&I, SPLICE TRAY	1	EA	\$73.39	\$73.39
633-3-14	FIBER OPTIC CONNECTION HARDWARE, F&I, BUFFER TUBE FAN OUT KIT	1	EA	\$99.88	\$99.88
633-3-15	FIBER OPTIC CONNECTION HARDWARE, F&I, PRETERMINATED PATCH PANEL	1	EA	\$1,576.80	\$1,576.80
634-4-153	SPAN WIRE ASSEMBLY, F&I, TWO POINT, BOX OR DROP BOX	1	PI	\$8,205.00	\$8,205.00
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24" COVER SIZE	8	EA	\$799.03	\$6,392.24
635-2-12	PULL & SPLICE BOX, F&I, 24" x 36" COVER SIZE	1	EA	\$1,647.39	\$1,647.39
635-2-13	PULL & SPLICE BOX, F&I, 30" x 60" RECTANGULAR OR 36" ROUND COVER SIZE	1	EA	\$3,354.57	\$3,354.57
639-1-122	ELECTRICAL POWER SERVICE, F&I, UNDERGROUND, METER PURCHASED BY CONTRACTOR	1	AS	\$3,208.01	\$3,208.01
639-2-1	ELECTRICAL SERVICE WIRE, FURNISH & INSTAL	10	LF	\$7.72	\$77.20
641-2-12	PRESTRESSED CONCRETE POLE, F&I, TYPE P-II SERVICE POLE	1	EA	\$1,536.49	\$1,536.49
641-2-18	PRESTRESSED CONCRETE POLE, F&I, TYPE P-VIII	4	EA	\$11,324.04	\$45,296.16
646-1-11	ALUMINUM SIGNALS POLE, PEDESTAL	5	EA	\$1,830.55	\$9,152.75
650-1-14	VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 3 SECTION, 1 WAY	12	AS	\$1,008.58	\$12,102.96
653-1-11	PEDESTRIAN SIGNAL, FURNISH & INSTALL LED COUNTDOWN, 1 WAY	4	AS	\$640.05	\$2,560.20
653-1-12	PEDESTRIAN SIGNAL, FURNISH & INSTALL LED COUNTDOWN, 2 WAY	1	AS	\$1,218.00	\$1,218.00
660-4-10	VEHICLE DETECTION SYSTEM - VIDEO, F&I, COMPLETE SYSTEM, 4 DIRECTIONS	1	EA	\$25,000.00	\$25,000.00
663-1-110	SIGNAL PRIORITY AND PREEMPTION SYSTEM, F&I, OPTICAL, COMPLETE SYSTEM, UP TO 4 DIRECTIONS	1	EA	\$8,000.00	\$8,000.00
665-1-11	PEDESTRIAN DETECTOR, FURNISH & INSTALL, STANDARD	6	EA	\$284.20	\$1,705.20
670-5-112	TRAFFIC CONTROLLER ASSEMBLY, F&I, NEMA, 2 PREEMPTION, SIZE 6 CABINET	1	AS	\$27,983.22	\$27,983.22
684-1-1	MANAGED FIELD ETHERNET SWITCH, FURNISH & INSTALL	1	EA	\$3,249.19	\$3,249.19
700-5-21	INTERNALLY ILLUMINATED SIGN, FURNISH & INSTALL OVERHEAD MOUNT, UP TO 12 SF	3	EA	\$5,640.53	\$16,921.59
<b>Sub-Total:</b>					<b>\$217,364.46</b>