

Attachment E
WORK AUTHORIZATION

This Work Authorization is issued in accordance with the Engineering Services Contract, dated _____, 2020, between Nueces County, Texas and Lockwood, Andrews & Newnam, Inc.

Work Task:

Included in this Work Authorization are the Work Tasks identified below per Attachment B, SERVICES TO BE PROVIDED BY ENGINEER of the Agreement.

1. Community Building Projects
 - 1) AC-20-01: County Animal Care Department Building;
 - 2) AP-22-01A: Airport Expansion and Improvements – Buildings;
 - 3) ME-20-01: New Medical Examiner Facility (Morgue & Offices);
2. County Roads Improvement Projects
 - 1) AP-22-01B: Airport Expansion and Improvements – Road and Runway;
 - 2) CR-20-01: County Road 67 from State Highway 44 to County Road 28;
 - 3) CR-20-02: County Road 69 from County Road 52 to Robstown City Limits, separated by Nueces County as:
 - i. County Road 69 from County Road 52 to County Road 48,
 - ii. County Road 69 from County Road 48 to Robstown City Limits;
 - 4) CR-20-03: County Road 73 from Farm to Market 624 to Rock Island Drive;
 - 5) CR-22-03: County Road 33 from Farm to Market 43 to 1 mile north;
 - 6) CR-22-04: County Road 77 from Farm to Market 2826 to County Road 30;
 - 7) CR-24-02: County Road 48 from Farm to Market 1889 to County Road 69
3. Fairgrounds Campus Improvements (Mechanical, Electrical, etc.)
 - 1) FG-20-01: Fairgrounds Campus Improvements – Immediate Needs;
 - 2) FG-20-02: Fairgrounds Campus Improvements – Future Needs/Upgrades;
4. Courthouse Complex (ADA-Compliant Building Modifications)
 - 1) PW-20-01: County Courthouse Improvements; and

Clarifications and Assumptions:

1. Upon issuance of this Work Authorization, Implementation of Project Management Information System Software will commence.
2. ME-20-01: New Medical Examiner Facility (Morgue & Offices)
 - a. Estimated cost for Program Management Services per Attachment B, SERVICES TO BE PROVIDED BY ENGINEER is based on the size of the facility specified in the County’s 2019 CIP.
 - b. Per Attachment C, WORK SCHEDULE of the Agreement, the “County shall notify Engineer of any modifications to the assumptions made as a part of the submission by Engineer to County.” Should the size of the facility increase beyond a 22,000 square foot facility, Engineer shall be authorized by County for increased scope of work and Estimated Fee.

Estimated Cost: \$2,858,756 as per Estimated Hours and Fee for Program Management Services herein attached and incorporated in its entirety.

Deliverables:
Program Management Services.

Completion Date: December 2024 as per latest Estimated Completion herein attached and incorporated in its entirety.

NUECES COUNTY

LOCKWOOD, ANDREWS &
NEWNAM, INC.

Signed: _____

Signed: _____ *Stephen A. Gilbreath*

By: _____

By: **Stephen A. Gilbreath, P.E.**

Title: _____

Title: **Vice President**

Date: _____

Date: **07-10-2020**

Engineer's Basic Assumptions

CIP Projects included in this Work Authorization, identified as Work Tasks:

- 1) AC-20-01: County Animal Care Department Building
- 2) AP-22-01A: Airport Expansion and Improvements – Buildings
- 3) ME-20-01: New Medical Examiner Facility (Morgue & Offices)¹
- 4) AP-22-01B: Airport Expansion and Improvements – Road and Runway
- 5) CR-20-01: County Road 67 from State Highway 44 to County Road 28:
- 6) CR-20-02: County Road 69 from County Road 52 to Robstown City Limits, separated by Nueces County as:
 - i. County Road 69 from County Road 52 to County Road 48,
 - ii. County Road 69 from County Road 48 to Robstown City Limits
- 7) CR-20-03: County Road 73 from Farm to Market 624 to Rock Island Drive
- 8) CR-22-03: County Road 33 from Farm to Market 43 to 1 mile north
- 9) CR-22-04: County Road 77 from Farm to Market 2826 to County Road 30
- 10) CR-24-02: County Road 48 from Farm to Market 1889 to County Road 69
- 11) FG-20-01: Fairgrounds Campus Improvements – Immediate Needs
- 12) FG-20-02: Fairgrounds Campus Improvements – Future Needs/Upgrades
- 13) PW-20-01: County Courthouse Improvements

General Work Task Descriptions as identified in County's CIP Documentation:

- 1) **AC-20-01: County Animal Care Department Building:** A new Animal Care Department Building is needed by the County. The current facility consists of approximately 40 kennels which can hold up to approximately 80 animals. A new Animal Control facility is proposed with a size of 100 kennels. Programming exercise is likely needed in order to appropriately scope the construction of a new facility. Current estimate is for a facility of 3,500 SF. It is also assumed that the new facility would be located near the existing facility without a need for additional land acquisition.
- 2) **AP-22-01A: Airport Expansion and Improvements – Buildings:** The Airport Expansion and Improvements project includes runway extension, a new airport entrance road, additional hangars, and addressing accessibility. Land acquisition will be required to carry out this project. Runway extension up to 6,000 ft from the current 3,700 feet. A new airport entrance road will avoid back-road and neighborhood routes. Additional hangars would serve additional clientele. Project Number AP-22-01A includes the work associated with the buildings.
- 3) **ME-20-01: New Medical Examiner Facility (Morgue & Offices):** Construct new Medical Examiner office to replace current facility. In the planning and development of this project, it is anticipated that the County will fund Analysis/Study/Assessment and Design of the facility. Funding for the Construction and other project costs would be sought from other partner entities and are currently categorized as being funded by Grant(s). Construction of the facility is contingent upon securing additional funding. Spatial requirements will need to be reviewed to perform programming tasks for a new morgue and office. Programming exercise is likely needed in order to appropriately scope the construction of a new facility. Current estimate is for a facility of 22,000 SF. Additional review of existing equipment to evaluate the potential need for replacement equipment will likely be required. Identification of

¹ See noted Clarifications and Assumptions listed as part of Attachment E.

land/location for the proposed facility is needed and may require funding or agreements with partner entities.

- 4) **AP-22-01B: Airport Expansion and Improvements – Road and Runway:** The Airport Expansion and Improvements project includes runway extension, a new airport entrance road, additional hangars, and addressing accessibility. Land acquisition will be required to carry out this project. Runway extension up to 6,000 ft from the current 3,700 feet. A new airport entrance road will avoid back-road and neighborhood routes. Additional hangars would serve additional clientele. Project Number AP-22-01B includes the work associated with the Road and Runway.
- 5) **CR-20-01: County Road 67 from State Highway 44 to County Road 28:** County Road in need of improvement. County Road CR 67 from SH 44 to CR 28, 26400 Length Feet (5 miles) X 20 width feet.
- 6) **CR-20-02: County Road 69 from County Road 52 to Robstown City Limits (separated by Nueces County as County Road 69 from County Road 52 to County Road 48, County Road 69 from County Road 48 to Robstown City Limits):** County Road in need of improvement. County Road CR 69 from CR 52 to Robstown City Limits, 9,504 Length Feet (1.8 Miles) x 20 Width Feet.
- 7) **CR-20-03: County Road 73 from Farm to Market 624 to Rock Island Drive:** County Road in need of improvement. County Road CR 73 from FM 624 to Rock Island Drive, 10,560 Length Feet (2 Miles) x 20 Width Feet.
- 8) **CR-22-03: County Road 33 from Farm to Market 43 to 1 mile north:** County Road in need of improvement. County Road CR 33 from FM 43 to 1 Mile North, 6,336 Length Feet (1.2 Miles) x 20 Width Feet.
- 9) **CR-22-04: County Road 77 from Farm to Market 2826 to County Road 30:** County Road in need of improvement. County Road CR 77 from FM 2826 to CR 30, 5323 Length Feet (1.0 Miles) x 30 Width Feet.
- 10) **CR-24-02: County Road 48 from Farm to Market 1889 to County Road 69:** County Road in need of improvement. County Road CR 48 from FM 1889 to CR 69, Length Feet 4450 (0.8 Miles) x 22 Width Feet.
- 11) **FG-20-01: Fairgrounds Campus Improvements – Immediate Needs:** Immediate needs identified at the County Fairgrounds. The projects identified can be attributed to several project groupings: Mechanical, Electrical, IT, FF&E, Interior, Site, Exterior, Security, and Accessibility. There are a mix of projects that would be designated as being funded by Operations and Maintenance or Capital Funding. These projects have been identified by County personnel and stakeholders as immediate needs.
- 12) **FG-20-02: Fairgrounds Campus Improvements – Future Needs/Upgrades:** Future needs identified at the County Fairgrounds. The projects identified can be attributed to several project groupings: Mechanical, Electrical, IT, FF&E, Interior, Site, Exterior, Security, and Accessibility. There are a mix of projects that would be designated as being funded by Operations and Maintenance or Capital Funding. These projects have been identified by County personnel and stakeholders as future needs.
- 13) **PW-20-01: County Courthouse Improvements:** Projects within this Project Group are associated with the County Courthouse. There are a variety of renovation and deferred maintenance related projects for Site, Exterior, Interiors, Mechanical, Electrical, Plumbing, Information Technology, and Security. This project package also includes accessibility projects that have been identified as part of the Consent Decree as part of the agreement with the Department of Justice.

Project Cost, Construction Cost, Work Schedule:

Project Name	Total Project Cost Estimate (per CIP)	Total Construction Cost Estimate (per CIP)	Estimated Completion
AC-20-01: County Animal Care Department Building	\$ 930,348	\$ 742,630	October 2021
AP-22-01A: Airport Expansion and Improvements - Buildings	\$ 6,511,352	\$ 4,446,383	December 2024
ME-20-01: New Medical Examiner Facility (Morgue & Offices)	\$ 16,003,243	\$ 10,227,925	June 2023
AP-22-01B: Airport Expansion and Improvements - Road and Runway	\$ 15,684,703	\$ 12,289,578	December 2024
CR-20-01: County Road CR 67 from SH 44 to CR 28	\$ 4,995,088	\$ 4,067,264	December 2021
CR-20-02: County Road CR 69 from CR 52 to Robstown City Limits, separated by Nueces County as: County Road 69 from County Road 52 to County Road 48	\$ 1,545,265	\$ 1,235,682	October 2021
CR-20-02: County Road CR 69 from CR 52 to Robstown City Limits, separated by Nueces County as: County Road 69 from County Road 48 to Robstown City Limits	\$ 772,633	\$ 617,841	October 2021
CR-20-03: County Road CR 73 from FM 624 to Rock Island Drive	\$ 2,397,673	\$ 1,896,475	August 2021
CR-22-03: County Road CR 33 from FM 43 to 1 Mile North	\$ 1,148,698	\$ 939,903	June 2021
CR-22-04: County Road CR 77 from FM 2826 to CR 30	\$ 1,926,538	\$ 1,594,602	June 2021
CR-24-02: County Road CR 48 from FM 1889 to CR 69	\$ 1,426,393	\$ 1,177,149	June 2021
FG-20-01: Fairgrounds Campus Improvements - Immediate Needs	\$ 3,640,745	\$ 3,095,360	July 2022
FG-20-02: Fairgrounds Campus Improvements - Future Needs/Upgrades	\$ 3,750,042	\$ 3,386,452	July 2022
PW-20-01: County Courthouse Improvements	\$ 17,559,296	\$ 15,638,019	July 2023

Estimated Hours and Fee for Program Management Services:

Role	Estimated Hours per Year					Total Estimated Hours	Total Estimated Fee
	2020	2021	2022	2023	2024		
Project Principal	77	67	37	16	7	204	\$ 56,100.00
QA/QC	376	386	68	224		1,054	\$ 247,690.00
Senior Program Manager	294	351	242	92	34	1,013	\$ 273,510.00
Senior Project Manager	206	437	250	274	176	1,343	\$ 282,030.00
Program Manager	175	285	256	282	200	1,198	\$ 268,352.00
Project Manager	25	65	16	96	88	290	\$ 56,550.00
Architect	56	296	144	152	48	696	\$ 135,024.00
Project Architect		60	30	140		230	\$ 34,500.00
Engineer VII	40	100				140	\$ 38,920.00
Engineer VI	16	148	40			204	\$ 53,856.00
Engineer V	228	303	124	156	88	899	\$ 177,103.00
Engineer IV		64		60		124	\$ 23,560.00
Engineer III		90	100	24		214	\$ 33,170.00
Engineer II	238	186	32	184	88	728	\$ 80,080.00
Engineer I			32	114	40	186	\$ 19,716.00
GIS Analyst			40	25		65	\$ 11,180.00
Senior Right of Way Agent	190	40	40	20		290	\$ 48,140.00
Right-of-Way Agent	80	40	40	20		180	\$ 25,200.00
Government Relations/Development	30	72	72	47	32	253	\$ 56,925.00
Senior Program Coordinator						-	\$ -
Senior Inspector		396	216	24	98	734	\$ 106,430.00
Inspector		1,850	1,000	80	580	3,510	\$ 456,300.00
Construction Manager						-	\$ -
Technical Expert	100	120	100			320	\$ 56,000.00
Project Administrator	29	660	531	376	352	1,948	\$ 311,680.00
Project Coordinator	5	15				20	\$ 3,440.00
Senior Project Coordinator						-	\$ -
Administrative Assistant			8	24	12	44	\$ 3,300.00
Total	2,165	6,031	3,418	2,430	1,843	15,887	\$ 2,858,756