



Parish of Natchitoches

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John Richmond
Parish President

PARISH COUNCIL

Chris Paige
District 1

Patsy Ward Hoover
District 2

Jim Kilcoyne
District 3

Marty Cheatwood
District 4

John Salter
District 5

NOTICE OF PUBLIC MEETING HEARING
SPECIAL MEETING
PARISH OF NATCHITOCHES NATCHITOCHES, LOUISIANA

Friday, August 6, 2021

2:00P.M.

VIA TELECONFERENCE

Call in No.: (425) 436-6302

PIN: 780273

A G E N D A

1. Call to Order
2. Roll Call
3. Invocation
4. Pledge of Allegiance
5. Council to consider authorizing the Parish President to sign change order No. 1 for the Resurfacing of Fish Hatchery Road in the amount of \$9,400.00 for revisions in the planned drainage structures at several locations within the portion of the project for which roadside ditch profiles have been established to date. The proposed new total amount of the entire project is \$2,064,605.78. The allotted contract time for completion of the project will also increase from 150 days to 153 days.
6. Council to consider authorizing the Parish President to sign change order No. 2 for the Resurfacing of Fish Hatchery Road in the amount of \$48,710.00 to provide for the installation of a new outfall pipe to take runoff from the north/east roadside ditch at Project Station 276+50 and deposit it directly into Cane River Lake. The proposed new total amount of the entire project is \$2,113,315.78. The allotted contract time for completion of the project will also increase from 153 days to 161 days.

7. Council to consider authorizing the Parish President to sign change order No. 3 for the Resurfacing of Fish Hatchery Road in the amount of \$30,980.00 to provide for the installation of a new cross-drain pipe and outfall ditch at Project Station 60+00, as well as to provide for the replacement of existing deteriorated cross-drain pipes at four locations not specified in the project plans. The proposed new total amount of the entire project is \$2,144,295.78. The allotted contract time for completion of the project will also increase from 161 days to 167 days.
8. Council to consider authorizing the Parish President to sign change order No. 4 for the Resurfacing of Fish Hatchery Road in the amount of \$5,400.00 to provide for potholes in the parts of the project where asphalt surfacing exists. The proposed new total amount of the entire project is \$2,149,695.78. The allotted contract time for completion of the project will also increase from 167 days to 168 days.
9. Council to consider authorizing the Parish President to enter into negotiations for the acquisition of drainage servitudes from owners of private property at the locations of the new outfalls being constructed as part of the Resurfacing of Fish Hatchery Road Project, descriptions of which are outlined in The cost of the surveying, appraisal and purchase of the servitudes in will be funded through the "special projects" line in the budget of the Highway Fund to avoid delaying the project. A budget amendment for the Fish Hatchery Road Fund will be introduced at the next regular council meeting.

Special Meeting
August 6, 2021

3.

10. INTRODUCTION OF PROPOSED ORDINANCE

- A. AN ORDINANCE TO AUTHORIZE THE PURCHASE BY THE PARISH OF NATCHIOCHES, CERTAIN DRAINAGE SERVITUDES FROM PRIVATE PROPERTY OWNERS AT PROJECT STATIONS 276+50 AND 60+00 OF THE RESURFACING OF FISH HATCHERY ROAD PROJECT AND TO AUTHORIZING THE PARISH PRESIDENT TO SIGN AND EXECUTE ALL DOCUMENTS IN CONNECTION THEREWITH, UPON THE ADVICE OF THE DISTRICT ATTORNEY.

11. Adjourn

PARISH OF NATCHITOCHEs

**BRIEFING FOR PARISH COUNCIL RELATIVE TO THE ACQUISITION OF DRAINAGE SERVITUDES
ASSOCIATED WITH THE RESURFACING OF FISH HATCHERY ROAD, PROJECT NO. NPPW-2020-01**

JULY 27, 2021

Several months ago, the Parish of Natchitoches entered into an Intergovernmental Agreement with the Cane River Waterway Commission, whereby CRWC committed funds for the resurfacing of Fish Hatchery Road. Subsequently, the Parish of Natchitoches contracted with the low bidder, Regional Construction LLC, who began work on this project on April 26, 2021.

A major part of the scope of work as outlined by the project plans is the construction of drainage improvements along the entire length of this project, consisting of pipe replacements and grading and shaping of roadside ditches, to maximize the service life of the new pavement to be constructed.

As the design roadside ditch profiles were established throughout the project, the need was identified for the construction of two outfalls – one at Project Station 60+00 and the other at Project Station 276+50 -- to take runoff from the roadside ditches and deposit it directly into Cane River Lake. At its June 15 meeting, the Cane River Waterway Commission approved Change Order No. 2 to provide funding for the construction of the new outfall pipe and ditch at Station 276+50, and at its July 20 meeting, CRWC approved Change Order No. 3 which provided for the construction of the other outfall.

In addition to the costs for constructing these new outfalls, it will be necessary to acquire drainage servitudes from the owners of the private property at these locations. Appurtenant to the acquisition costs are the costs for surveying and preparation of a plat for each servitude, as well as appraisal of the property at each site.

It was originally thought that CRWC would fund the cost for acquiring the required servitudes, including the appurtenant costs. However, at its July 20 meeting, the Commission advised that its funding commitment as specified in the IGA was limited to the construction contract amount, and, although they will amend their budget to account for the four change orders they have already approved for this project, they are unable to fund the cost for acquisition of these required drainage servitudes. Therefore, it will be necessary for the Parish to provide funding to cover these costs.

The cost for the survey and plat preparation for the two servitudes is estimated to be \$3,500. The estimated cost for the property appraisals is \$1,000 for each parcel. Thus, the total estimated cost for the appurtenant work is \$5,500. The appraisals will determine the fair market value for each parcel, but the total cost of acquiring both servitudes is expected to not exceed \$5,000. Therefore, the total cost for the acquisitions and appurtenant work is estimated to be no more than around \$10,500.

We therefore respectfully request consideration of the Parish Council in authorizing the Parish President to procure the services of a qualified land surveyor and property appraiser, in accordance with Parish policy, to perform the services as outlined above.

We further request consideration of the Council in authorizing the Parish President to negotiate with the property owners for acquisition of the required drainage servitudes, for amounts not to exceed the appraised values.

PARISH OF NATCHITOCHEs
RESURFACING OF FISH HATCHERY ROAD
PROJECT NO. NPPW-2020-01
CHANGE ORDER NO. 1 REVISED JUNE 10, 2021
PAGE 1-OF-3

The purpose of this change order is to provide for revisions in the planned drainage structures at several locations within the portion of the project for which roadside ditch profiles have been established to date.

Some of these changes are the result of the establishment of a design profile for the roadside ditches, utilizing the contractor's extensive electronic survey of the project.

Other changes detailed herein are the result of limitations in the design survey, whereby the existing cross-drain pipes at several locations could not be located due to the presence of heavy vegetation or due to the fact that the pipe ends were completely buried. Thus, these pipes were not listed in the "Summary of Drainage Work" that was included in the project plans. These pipes were discovered only after the contractor had cleared the roadside.

Specifically, there are changes to the planned drainage work at the following locations:

Station 77+00 – Remove the existing 18" x 50' CMP that was found at this location but that was not shown in plans. Based on the design ditch grades, no replacement pipe is needed at this location.

Station 115+83 – The plans call for a new cross-drain to be installed at this location, but do not note the presence of an existing pipe at this location. Therefore, the removal of the existing 18" x 40' CMP is to be added.

Station 130+38 – The plans call for the installation of a new 15" x 40' PP cross-drain pipe at this location. However, the design ditch grades result in a longer section of roadside ditch draining to this location than was originally anticipated, therefore the planned 15" diameter pipe is to be deleted and a new 24" diameter pipe is to be installed at this location.

Station 190+00 – An existing 24" x 40' smooth steel pipe was found at this location. It is to be removed, but the replacement cross-drain will be installed at Station 193+00, which is a better location for a cross-drain, based on the design ditch grades.

Station 193+00 – No existing cross-drain was found at this location. Add a new 36" x 40' PP cross-drain pipe.

RESURFACING OF FISH HATCHERY ROAD
CHANGE ORDER NO. 1 REVISED JUNE 10, 2021

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Station 197+00 – Remove the existing 15" x 40' CMP that was found at this location but that was not shown in the plans. No replacement pipe is needed at this location.

Station 198+00 – The grading and shaping of the roadside ditch at this location has resulted in a deeper ditch than previously existed, which has created the need for an 18" x 20' PP side drain pipe to be installed at this location, since the property owner can no longer drive through the shallow ditch that previously existed.

The changes outlined above result in the following quantity changes:

Item No. 202-03, Removal of Pipe – Increase this item by 170 linear feet.

Item No. 701-01-A, Cross Drain Pipe (15" PP) – Decrease this item by 40 linear feet.

Item No. 701-01-C, Cross Drain Pipe (24" PP) – Increase this item by 40 linear feet.

Item No. 701-01-D, Cross Drain Pipe (36" PP) – Increase this item by 40 linear feet.

Item No. 701-05-B, Side Drain Pipe (24" PP) – Increase this item by 20 linear feet

The Lump Sum contract price for **Item No. 713-01, Temporary Traffic Control**, and **Item No. 740-01, Construction Layout**, will also be increased proportionally by the dollar amount of the additional work, as follows:

Sub-Total Cost for Extra Work as outlined above = \$9,300.00 divided by Revised Contract Amount of \$2,055,205.78 = 0.005 times Lump Sum contract price for each item.

Per the attached "Summary of Cost Changes," the total net cost of these revisions is **\$9,400.00** which results in a revised Contract Amount of **\$2,064,605.78**.

The allotted contract time is also to be increased by the duration needed for the extra work outlined above, which is anticipated to be three (3) calendar days. Therefore, the revised contract time will be **One Hundred Fifty-Three (153) calendar days**.

RESURFACING OF FISH HATCHERY ROAD
CHANGE ORDER NO. 1 REVISED JUNE 10, 2021

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CHANGE ORDER EXECUTION:

RECOMMENDED BY: [Signature] Parish Engineer Date: 6/10/21

ACCEPTED BY: [Signature] Contractor Date: _____

APPROVED BY: _____ Parish President Date: _____

APPROVED BY: [Signature] Chairman, CRWC Date: 6/15/21

PARISH OF NATCHITOCHESES
RESURFACING OF FISH HATCHERY ROAD
CHANGE ORDER NO. 1 REVISED 6-10-21
SUMMARY OF COST CHANGES

ITEM NO.	DESCRIPTION	UNIT	UNIT PRICE	ORIGINAL QUANTITY	REVISED QUANTITY	QUANTITY CHANGE	EXTENSION
202-03	Removal of Pipe	LIN FT	\$10.00	1,346	1,516	170	\$1,700.00
701-01-A	Cross Drain Pipe (15" PP)	LIN FT	\$65.00	80	40	-40	-\$2,600.00
701-01-C	Cross Drain Pipe (24" PP)	LIN FT	\$90.00	224	264	40	\$3,600.00
701-01-D	Cross Drain Pipe (36" PP)	LIN FT	\$125.00	120	160	40	\$5,000.00
701-05-B	Side Drain Pipe (18" PP)	LIN FT	\$80.00	90	110	20	\$1,600.00
713-01	Temporary Traffic Control	LUMP	\$10,000.00	1	1.005	0.005	\$50.00
740-01	Construction Layout	LUMP	\$10,000.00	1	1.005	0.005	\$50.00
					TOTAL		\$9,400.00

PARISH OF NATCHITOCHEs
RESURFACING OF FISH HATCHERY ROAD

PROJECT NO. NPPW-2020-01

CHANGE ORDER NO. 2

JUNE 10, 2021

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The purpose of this change order is to provide for the installation of a new outfall pipe to take runoff from the north/east roadside ditch at Project Station 276+50 and deposit it directly into Cane River Lake.

Without an outfall at this location, runoff would have to be carried in the roadside ditches for a distance of about 2,000 linear feet at a relatively flat gradient in order to access the nearest outfall location. This would very likely lead to silt deposits in these roadside ditches, thus hindering proper roadside drainage. Installing a new outfall pipe will reduce the length that runoff must be carried, thus reducing the potential for siltation of these roadside ditches.

At the proposed location, a narrow unimproved parcel of property exists, which makes it a good location for installation of an outfall. Based on the design ditch grades and the elevation of the natural ground as it falls away from the roadway at this location, it will not be possible to excavate an open ditch to carry runoff from the roadside ditch into the river, because such a ditch would be wider than the available parcel, and the adjacent property owner has advised they are not willing to provide a portion of their property for this purpose. Therefore, it will be necessary to install a 36-inch diameter outfall pipe for the first 180 linear feet outside the roadside ditch, which can then empty onto a stone rip-rap pad that continues for the remaining 70 linear feet to the top bank of the river.

New Items to Be Established & Quantity Changes to Contract Items

The cost for the new outfall pipe will be paid under a new item to be established, **Item No. 701-06, Storm Drain Pipe (36" PP)**, at a new unit price of \$105.00 per linear foot. This price was established by deducting the cost for crushed stone backfill material from the contract unit price for 36-inch cross-drain pipe, since stone is not required for backfilling the outfall pipe. The additional 80 tons of rip rap will be paid under contract **Item No. 711-03, Rip Rap (30 lb)**.

Because the parcel in which the outfall pipe is to be located is heavily vegetated, it must be cleared prior to installation of the pipe, including topping of three large trees by a licensed tree removal subcontractor due to their proximity to an overhead power line. Regional

**RESURFACING OF FISH HATCHERY ROAD
CHANGE ORDER NO. 2 DATED JUNE 10, 2021**

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Construction has submitted a price proposal totaling \$5,200 for the required clearing work, which is considered reasonable for the work involved.

A chain link fence exists along the east property line of this parcel and a mesh fence exists along the west property line, neither of which can be salvaged due to extensive intertwining of the vegetation along each fence. Since this parcel will become the property of the Parish of Natchitoches, this fencing needs to be replaced in order to reduce liability exposure, and a gate needs to be installed along the roadway frontage in order to provide access to Parish crews for future maintenance. Regional Construction has submitted proposed prices of \$23.00 per linear foot for replacement chain link fencing along both property lines and \$1,450 for a 13-foot wide gate with roller wheel, which includes the cost for labor, equipment, and materials, both of which are considered reasonable. The costs for the required clearing and fencing will be combined into one new lump sum item, **Item No. S-006, Clearing and Fencing for Outfall Pipe.**

Installation of an outfall at this location also necessitates the addition of a new cross-drain pipe under the roadway at this station. This work will be paid for by increasing the plan quantity for **Item No. 701-01-C, Cross Drain Pipe (24")**, by 30 linear feet. The quantity for **Item No. 726-01, Bedding Material**, must also be increased by 5.0 cubic yards.

The Lump Sum contract price for **Item No. 713-01, Temporary Traffic Control**, and **Item No. 740-01, Construction Layout**, will also be increased proportionally by the dollar amount of the additional work, as follows:

Sub-Total Cost for Extra Work as outlined above = \$48,250 divided by Revised Contract Amount of \$2,064,605.78 = 0.023 times Lump Sum contract price for each item.

Required Right-of-Way

In addition to the costs outlined above for installation of the new outfall pipe and ditch, the parcel of property on which the new outfall is to be constructed must be acquired by the Parish. The cost for acquisition of this property is unknown at this time, as an appraisal has not yet been performed.

Since the grades for the other planned drainage work in this area [roadside ditches and side drains] are dependent upon the addition of this new outfall pipe and ditch, and in order to not delay completion of this other drainage work, the property owner has agreed to provide the

RESURFACING OF FISH HATCHERY ROAD
CHANGE ORDER NO. 2 DATED JUNE 10, 2021

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Parish with a Right-of-Entry to allow the new outfall system to be constructed while the property is being appraised and acquired by the Parish.

Upon completion of the appraisal, it is the intention of the Parish of Natchitoches to request funding from Cane River Waterway Commission for purchase of the property.

Change Order Cost

The total cost for all work as outlined above and as shown in the attached "Summary of Cost Changes," exclusive of right-of-way cost, is \$48,710.00. The contract amount will increase accordingly to \$2,113,315.78.

Contract Time Changes

Addition of the work as outlined above to the project will require an increase in the allotted contract time from One Hundred Fifty-Three calendar days to One Hundred Sixty-One (161) calendar days.

CHANGE ORDER EXECUTION:

RECOMMENDED BY: [Signature], Engineer Date: 6/10/21

ACCEPTED BY: [Signature], Contractor Date: _____

APPROVED BY: _____, Parish President Date: _____

APPROVED BY: [Signature], Chairman, CRWC Date: 6/10/21

PARISH OF NATCHITOCHEES
RESURFACING OF FISH HATCHERY ROAD
CHANGE ORDER NO. 2
SUMMARY OF COST CHANGES

ITEM NO.	DESCRIPTION	UNIT	UNIT PRICE	ORIGINAL QUANTITY	REVISED QUANTITY	QUANTITY CHANGE	EXTENSION
701-01-C	Cross Drain Pipe (24" PP)	LIN FT	\$90.00	264	294	30	\$2,700.00
701-06	Storm Drain Pipe (36" PP)	LIN FT	\$105.00	0	180	180	\$18,900.00
711-03	Rip Rap (30 lb)	TON	\$100.00	45.0	125.0	80.0	\$8,000.00
713-01	Temporary Traffic Control	LUMP	\$10,000.00	1.005	1.028	0.023	\$230.00
726-01	Bedding Material	CU YD	\$100.00	170.2	175.2	5.0	\$500.00
741-01	Construction Layout	LUMP	\$10,000.00	1.005	1.028	0.023	\$230.00
S-006	Clearing and Fencing for Outfall Pipe	LUMP	\$18,150.00	0	1	1	\$18,150.00
						TOTAL	\$48,710.00

PARISH OF NATCHITOCHEs
RESURFACING OF FISH HATCHERY ROAD
PROJECT NO. NPPW-2020-01

CHANGE ORDER NO. 3

JULY 15, 2021

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The purpose of this change order is to provide for the installation of a new cross-drain pipe and outfall ditch at Project Station 60+00, as well as to provide for the replacement of existing deteriorated cross-drain pipes at four locations not specified in the project plans.

New Cross-Drain and Outfall Ditch at Station 60+00

A new cross-drain and outfall ditch are needed at Station 60+00 in order to take runoff from the south/west roadside ditch and deposit it into Cane River Lake. Without a cross-drain and outfall at this location, there is no way to drain this ditch, since there are no natural outfall ditches on that side of Fish Hatchery Road within that area of the project.

The selected outfall location is on private property on which improvements have not been constructed, thus minimizing adverse impacts to this property. In addition, little preparatory work will be needed at this location, thereby minimizing the costs for this additional outfall.

At this location, a 24-inch diameter by 50 linear foot cross-drain pipe will be installed under the roadway, which will empty onto a rip-rap lined swale ditch that will carry runoff directly into Cane River Lake. Based on field measurements, approximately 75 tons of rip-rap will be required. An additional 10.2 cubic yards of bedding material will also be needed for establishing a stable foundation for the new cross-drain pipe. All of this extra work will be paid under the existing contract items by extension of the revised plan quantities. A \$13,020 cost overrun will result.

In addition to the costs outlined above for installation of the new outfall pipe and ditch, a 15-foot-wide drainage servitude must be acquired by the Parish. The cost for acquisition of this property is unknown at this time, as an appraisal has not yet been performed. Upon completion of the appraisal and negotiation with the property owner, it is the intent of the Parish of Natchitoches to request funding from Cane River Waterway Commission for purchase of the servitude.

**RESURFACING OF FISH HATCHERY ROAD
CHANGE ORDER NO. 3 DATED JULY 15, 2021**

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Replacement of Existing Deteriorated Cross-Drain Pipes

This change order also provides for the replacement of the existing deteriorated cross-drain pipes at four locations not specified in the project plans, specifically at Project Stations 6+00, 9+00, 20+00, and 31+00. At these locations, the presence of these existing pipes was unknown until they were uncovered during the process of grading and shaping the roadside ditches. At Stations 6+00, 9+00, and 31+00, the existing 24-inch diameter by 40 linear foot corrugated metal pipes will be removed and replaced with new plastic pipes of the same size and length. At Station 20+00, the existing deteriorated 15-inch diameter by 30 linear foot cast iron pipe will be replaced with a new 24-inch diameter by 40 linear foot plastic pipe. Additional bedding material will also be needed at each site. All extra work will be paid under the existing contract items, by extension of the revised plan quantities. A \$17,660 cost overrun will result.

Increase in Lump Sum Items

The extra work as outlined above will also require additional temporary traffic control and construction layout work, so the contract items for these lump sum items will be increased proportionally as follows:

Sub-Total Cost for Extra Work as outlined above = \$30,680 divided by Revised Contract Amount of \$2,113,315.78 = 0.015 times Lump Sum contract price for each item = \$150.00 for each item.

Change Order Cost

The total cost for all work as outlined above and as shown in the attached "Summary of Cost Changes," exclusive of right-of-way cost, is **\$30,980.00**. The contract amount will increase accordingly to **\$2,144,295.78**.

Contract Time Changes Addition of the work as outlined above to the project will require an increase in the allotted contract time from One Hundred Sixty-One calendar days to **One Hundred Sixty-Seven (167) calendar days**.

RESURFACING OF FISH HATCHERY ROAD
CHANGE ORDER NO. 3 DATED JULY 15, 2021

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CHANGE ORDER EXECUTION:

RECOMMENDED BY:  , Engineer Date: 7/15/21

ACCEPTED BY: _____, Contractor Date: _____

APPROVED BY: _____, Parish President Date: _____

APPROVED BY: _____, Chairman, CRWC Date: _____



PARISH OF NATCHITOCHEs
RESURFACING OF FISH HATCHERY ROAD
CHANGE ORDER NO. 3
SUMMARY OF COST CHANGES

ITEM NO.	DESCRIPTION	UNIT	UNIT PRICE	ORIGINAL QUANTITY	REVISED QUANTITY	QUANTITY CHANGE	EXTENSION
202-03	Removal of Pipe	LIN FT	\$10.00	1,516	1,666	150	\$1,500.00
701-01-C	Cross Drain Pipe (24" PP)	LIN FT	\$90.00	294	504	210	\$18,900.00
711-03	Rip Rap (30 lb)	TON	\$100.00	125.0	200.0	75.0	\$7,500.00
713-01	Temporary Traffic Control	LUMP	\$10,000.00	1.028	1.043	0.015	\$150.00
726-01	Bedding Material	CU YD	\$100.00	175.2	218.0	42.8	\$4,280.00
741-01	Construction Layout	LUMP	\$10,000.00	1.028	1.043	0.015	\$150.00
					TOTAL		\$30,980.00

PARISH OF NATCHITOCHEs
RESURFACING OF FISH HATCHERY ROAD
PROJECT NO. NPPW-2020-01

CHANGE ORDER NO. 4

JULY 15, 2021

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The purpose of this change order is to provide for the temporary patching of potholes in the parts of the project where asphalt surfacing exists.

As the contractor has performed the drainage work required by the plans, the existing asphalt surfacing at both the north and south ends of the project has not held up under the repetition of construction loads, which has resulted in the development of an extensive number of large, deep potholes throughout these existing paved sections.

These potholes will be eliminated at such time as the existing base and surfacing are pulverized prior to the construction of the new cement-treated base course. However, the pulverization operation in any given section of the project cannot start until such time as the drainage work has been completed in that section.

At the south end of the project, completion of the required drainage work is awaiting the appraisal of the tract of property on which the new outfall pipe and ditch will be constructed at Project Station 276+50, left of centerline. At the north end of the project, the required drainage work has only recently begun. It is anticipated that it will be another three weeks or so before either of these areas is ready for the start of the required base work.

In the meantime, the Parish Engineer has observed that motorists dodge these potholes by meandering across the roadway, even swerving into the opposing lane of travel, which obviously is not a safe situation.

Several options have been explored to address these potholes. First, the potholed sections of existing pavement could be pulverized and left for a few weeks prior to constructing the new cement-treated base. However, doing so could actually create traffic maintenance issues, given the recurring afternoon thunderstorms that have been prevalent on the project site recently. In addition, surface runoff could penetrate through the pulverized base and surfacing and into the underlying subgrade soils, which could cause them to become unstable, which could lead to additional expense in the construction of the new pavement section.

Another option that was explored is to proceed with construction of the new base course in the short segments of the project where the required drainage work has already been completed.

RESURFACING OF FISH HATCHERY ROAD
CHANGE ORDER NO. DATED JULY 15, 2021

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However, the duration of this work would be only a few days, following which the contractor would be forced to demobilize his soil cement equipment and crew, and later re-mobilize them to complete the base work, for which he would be due additional compensation. In addition, this approach would increase the number of transverse joints that would be constructed in the new base course, which could adversely affect the ride quality of the new asphalt pavement that will be constructed.

Aggregate materials could be placed in the potholes as a temporary measure until such time as the pavement can be pulverized, but it is felt that traffic would beat this material out of the potholes, thus this approach would result in a constant maintenance problem. In addition, some aggregate maintenance materials are not compatible with cement treatment and would therefore have to be removed prior to construction of the new cement-treated base.

In lieu of these options, the Parish Engineer recommends the placement of temporary hot mix asphaltic concrete patches in the potholes, for which the contractor has submitted a price proposal of \$150.00 per ton, which includes the cost for labor, equipment, and materials to clean out the potholes and to fill them with HMAC, which is considered very reasonable. It is anticipated that no more than two tandem dump truck loads of HMAC will be needed for this purpose, which, at approximately 18 tons per load, will result in a total cost of approximately \$5,400. A new item, **Item No. S-006, Temporary HMAC Patching**, will thus be incorporated, with payment to be made by the ton, based on printed weight tickets of the material actually placed on the project.

The contract amount will increase accordingly to **\$2,149,695.78**.

Contract Time Changes

Addition of this extra work will result in an increase in the allotted contract time from One Hundred Sixty-Seven calendar days to **One Hundred Sixty-Eight (168) calendar days**.

RESURFACING OF FISH HATCHERY ROAD
CHANGE ORDER NO. DATED JULY 15, 2021
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CHANGE ORDER EXECUTION:

RECOMMENDED BY: , Engineer Date: 7/15/21

ACCEPTED BY: _____, Contractor Date: _____

APPROVED BY: _____, Parish President Date: _____

APPROVED BY: _____, Chairman, CRWC Date: _____

