

NEW LENOX FIRE PROTECTION DISTRICT

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# REQUEST FOR PROPOSAL

## REQUEST FOR PROPOSAL PROJECT

Purchase of concrete replacement at 19819 Schoolhouse rd.

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### INFORMATIONAL

### REQUEST FOR PROPOSAL

Proposal packages must be received by **Wednesday, July 14, 2021 at 10:00am<sup>1</sup>**

Public opening of the bids will take place on **Wednesday, July 14, 2021 at 11:00am** at the District Office.

Proposal packages must be received at **261 E Maple Street, New Lenox, IL 60451 (Attn: Linda Baaske)** no later than the date/time listed above. Postmarks are not accepted. Late proposals will be returned unopened. Hand deliveries should be made to the New Lenox Fire District Staff at 261 E Maple Street, New Lenox, IL 60451.

Submit a complete original proposal and one (1) digital copy in a sealed envelope. Mark the outside of the envelope RFP – Concrete. Submissions may not include photographs, pamphlets, brochures or other extraneous promotional materials.

Questions and/or additional information concerning this RFP must be submitted in writing via email to:

Dennis Randolph, Battalion Chief  
New Lenox Fire Protection District  
[info@nlfire.com](mailto:info@nlfire.com)

Please do not contact any other District personnel about this RFP unless authorized prior to contact. Violating this rule is grounds for rejection of proposal.

The New Lenox Fire Protection District reserves the right to reject any or all Proposals, to waive any informalities in any Proposal, and to qualify the firms that best meet the District's needs.

The location of the work will be Fire Station #4 19819 S Schoolhouse Road Mokena, IL 60448.

## **FIRE STATION #4 APRON, PARKING AND DRIVEWAY**

### OVERVIEW

OPTION #1 Remove existing asphalt pavement in apron and parking area. Regrade and recompact stone base to provide 5" concrete pavement in parking areas and 8" concrete pavement in drive lane. Provide additional stone base if necessary. Match existing pavement profile to provide drainage.

OPTION #2 Remove existing asphalt pavement in apron and parking area. Regrade and recompact stone base to provide 6.5" concrete pavement over parking and drive lane. Provide

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<sup>1</sup> Time of submission will be determined by using the clock displayed on the phone system located at the fire district reception desk.

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additional stone base if necessary. Match existing pavement profile to provide drainage.

NOTE: DUE TO THE NATURE OF THE WORK, NLFPD SHALL BE INFORMED BY THE CONTRACTOR AT LEAST 72 HRS PRIOR TO STARTING WORK. ALL WORK REQUIRING INSPECTION (BASE AND CONCRETE), NLFPD **SHALL** BE INFORMED AT LEAST 24 HRS PRIOR TO THE ACTIVITY.

**CONTINUAL ACCESS TO SHOOLHOUSE ROAD SHALL BE FURNISHED TO ALLOW NLFPD TO RESPOND TO CALLS. THIS WILL REQUIRE PHASING OF THE WORK.**

## ASPHALT REMOVAL

Remove existing asphalt pavement in apron, drive and parking areas to stone base. Remove asphalt pavement from project.

## BASE

Grade stone base to provide concrete pavement profile required. Stone base is to be provided in accordance with Illinois Department of Transportation "Standard Specifications for Road and Bridge Construction, April 1, 2016" (Standard Specifications) Section 351 Aggregate Base Course, Type A. Compact per It is permissible to utilize existing stone base if it is not contaminated. Minimum thickness of stone base shall be 8". Area shall be proof rolled using a vehicle with an axle weight exceeding 8,000 pounds or minimum 10 ton roller. Stone base compaction shall be verified by a representative of NLFPD prior to placement of concrete pavement. Areas that deflect more than 1/2" or rut shall be removed and replaced with stone base and compacted per the Standard Specifications

## PCC PAVEMENT

Provide concrete that will exceed 3,500 psi at 3 days to provide sufficient strength for fire equipment use. Wire mesh reinforcement is not required. Concrete will be inspected and tested by a representative of NLFPD. Concrete Pavement shall conform to Section 423 of the Standard Specifications with the following exceptions:

- ï Concrete shall have a maximum water/cementitious ratio (W/C+P) of 0.40
- ï Slump may exceed 4" if the W/C+P is not exceeded (by using water reducing admixtures)
- ï Slump shall not exceed 8" regardless of W/C+P
- ï Concrete compressive strength shall exceed 3,500 psi @ 3 days when sampled and tested in accordance with AASHTO T23
- ï Concrete shall incorporate GCP Strux 90/40 macrofibers or equivalent at a rate of 4 pounds per cubic yard.
- ï Joint relief shall be supplied at a maximum distance of 10'
- ï Joint cutting shall be as soon as raveling of the pavement does not occur but in no case longer than 12 hours after placement. Cut joints shall be at least 1.5" deep. An early entry concrete saw shall be used for joints. "Soff-Cut" system or similar is acceptable.
- ï In lieu of an early entry system, tooled joints or "zip strips" are acceptable.

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Cure pavement in accordance with Section 423 of the Standard Specifications. A membrane curing compound complying with the requirements of Section 1022 of the Standard Specifications shall be used. Concrete placement will not be allowed after October 21 unless specifically authorized by NLFPD.

Following placement, a concrete sealer shall be applied to the surface. A sealer complying with Section 1026 of the Standard Specifications shall be applied prior to the first winter.

### WARRANTY

Warranty period for the concrete pavement is one year. Defects (surface scaling, subsidence of pavement, excessive cracking) shall be removed and replaced as directed by NLFPD.

