

PUBLIC WORKS COMMITTEE

Minutes of Public Meeting

August 7, 2001

Village of Downers Grove
Committee Room
801 Burlington Avenue, Downers Grove

Commissioner Schnell called the August 7, 2001 meeting of the Public Works Committee to order at 5:00 p.m.

ROLL CALL:

PRESENT: Commissioner Marilyn Schnell, Chair Public Works Committee
Commissioner Martin Tully and
Mr. Jack Bajor, Director of Public Works

STAFF: Bob Jungwirth and Megan Dugard, Recording Secretary

ABSENT: None

Visitors: Ms. Chris Fregeau, 1918 Elmore
Mr. Peter Hultman, 1410 Gilbert Avenue

Commissioner Schnell stated the minutes from the July 17, 2001 Public Works Committee meeting are approved as submitted and asked if there were any comments from the public.

Ms. Fregeau stated she was happy to see 13 parkway trees for Elmore Avenue are on the way and will be planted in the fall. Thank you.

Commissioner Schnell would like to compliment Kerstin on the trees downtown. This group of trees is much nicer than last year's trees. The first item on the agenda is the CBD Compaction Project Status, PSI Report.

Mr. Hultman inquired if the Village has employed any other independent consultant.

Commissioner Schnell suggested Mr. Bajor review and present what has been done so far.

Mr. Bajor responded to Mr. Hultman's question, staff recently reviewed the report submitted by PSI Engineers. PSI Engineers are geo-technical engineers and experts in their field. Essentially PSI is also a competitor of the engineering firm, Claude H. Hurley who were utilized by the village for the past four years for the different phases of our project and just completing Phase IV. PSI Engineers reviewed all the Public Works files, documentation, plans and specifications, along with free access to any information needed to complete their study. Two individuals involved were Mr. Rahman and Mr. EL-Moursi, who have PhD's in engineering. Both are geo-technical engineers. One is a senior engineer and the other is a Geo-technical Department Manager.

Claude Hurley was the geo-technical engineer utilized for the phases of the project. In hiring PSI the village hired an independent and unique contractor apart from Claude Hurley to review the files.

Mr. Bajor reminded Mr. Hultman in a recent conversation he indicated initially Phases I & II were not done as well as they could have been, but progressively improved with Phases III & IV.

Mr. Hultman stated public protection, both vehicular and pedestrian, did not exist in phases I & II. He wrote and appeared before the Council. Nothing was done until Phase III. Barricades and fencing were never used during the first phases. This put the public at risk. Specifications in the contract covered requirements by Illinois Road & Bridge and Illinois Sewer & Water, and Compaction. The village has an ordinance meeting OSHA requirements, which were disregarded.

Mr. Bajor stated the report focuses on Phase III Compaction results on 345 ft. of Franklin Street. The Safety and OSHA elements were not within the scope of the report. Mr. Bajor read the summary provided by PSI. (Attachment 1) These are the five comments made by PSI, an independent geo-technical engineering firm and competitor of Hurley. PSI indicates work was completed within the scope of the contract for the project to be completed. PSI also indicates it is up to the construction inspector to require more or fewer number of tests performed based on what is determined in the field. Fourteen tests were conducted on Franklin Street, a 345 ft. project.

Mr. Hultman inquired whether the contract requirements were met regarding compaction in 6 and 8-inch layers.

Mr. Bajor stated PSI did not specify this in their comments or opinions. However, the proctor density was achieved and all work was observed to pass a “proof roll” field compaction technique.

Commissioner Tully mentioned the report is limited to Phase III. A contractor performed the street work. Claude Hurley was hired to conduct testing and inspection services with respect to the street work specifically regarding compaction and other issues. Numerous tests were conducted showing results and reports produced by Hurley. PSI was hired to review all reports and do a quality check. PSI reviewed the contract, the test results, the files, and basically concluded that Hurley met the contract requirements, as read by Mr. Tully. (Attachment 2) Mr. Tully asked if the contract document was for the street work or the Claude Hurley contract.

Mr. Bajor stated the contract document was for the street work.

Commissioner Schnell added PSI is stating the compaction was completed properly.

Mr. Hultman stated the report is not referring to whether proper procedures were used to fill under or on top of the pipe or in layers.

Commissioner Tully stated there is a specific section referencing this issue. A copy of the report will be made available to Mr. Hultman for review. The report is limited to Phase III and reviews the work completed by Hurley. Hurley concluded the tests performed on compaction were within the spirit of the contract. PSI reviewed the work completed by Hurley and reached the same conclusion. One observation is the number of tests conducted, and it is understood there is a standard range in the project manual, a village document. PSI states testing is largely a matter of

discretion. The compaction tests conducted by Hurley were fine; therefore it was not necessary to test every single one.

Commissioner Schnell asked Mr. Bajor to provide a copy of the report to Council.

Mr. Bajor agreed to comply and stated the report consists of an executive summary consisting of approximately 6 or 7 pages. The remainder of the report is test results.

Commissioner Tully stated the report from PSI confirms there is no reason to differ from Hurley conclusions. Compaction was performed within the spirit of the contract. There is no reason to dispute this conclusion.

Mr. Bajor stated a copy was provided to Rick Ginex, the Village Manager to be forwarded to Members of Council.

Commissioner Tully questioned if PSI specifically received Mr. Hultman's packet of material.

Mr. Bajor stated PSI does not reference the material in the report. Mr. Dave Conley secured and provided all the information the engineer needed. Mr. Hultman's material was available to the engineer but he was not certain if Mr. Hultman's pictures or narrative items were provided to PSI.

Commissioner Tully asked if PSI would provide us with a letter. There is a list of all the material reviewed but no reference to Mr. Hultman's material.

Mr. Hultman stated he would appreciate a letter stating PSI agrees the project was completed in accordance with the contract.

Commissioner Tully added this is another question. PSI is stating the project was completed properly. They are looking at the final result. Is there a mechanism within the contract, where you can go back and be credited for issues such as not following the requirements of a contract?

Commissioner Schnell recalls the frustration of Council, due to the lack of communication from the contractor, Martam. Martam did not appear before Council to answer questions or provide updates on the project.

Commissioner Tully stated he would like to see a written statement from PSI that Mr. Hultman's material was received and reviewed. One additional question regarding Phase IV. Is Hurley working on this project and will the work be reviewed?

Mr. Bajor stated Hurley is working on the Phase IV project and it has not been taken to another level.

Mr. Hultman stated four different individuals have commented they are concerned about the roughness of Warren Avenue going north.

Commissioner Tully stated he would come back to that issue after finishing this discussion.

Commissioner Schnell added we are not engineers, and the consulting firm was hired to confirm the contract requirements were met. We are addressing Mr. Hultman's concerns.

Commissioner Tully inquired if Hurley has completed Phase IV.

Mr. Bajor stated Hurley has completed Phase IV. The project is closed. No reports have been seen to date.

Commissioner Tully asked if we could have a firm, like PSI, repeat this exercise in respect to Phases I & II. Are the files and material available for review?

Mr. Bajor stated yes, a review of the material for Phases I & II are available.

Commissioner Schnell inquired about the cost to review the reports and material.

Mr. Bajor responded the cost is \$750-\$800 as invoiced to date for the report in question.

Commissioner Schnell stated the cost for review of materials and files is relatively reasonable if Council requires us to continue to review the projects.

Commissioner Tully expressed the concern raised earlier. To review Phases I & II would bring us to another level. What do we do about not meeting contract standards?

Ms. Fregeau stated sidewalk issues brought about the same situation. Before final payment to the vendor is made, staff or the project manager confirms specifications were properly met and staff is satisfied with the finished project.

Commissioner Tully commented spending \$1400 for reviewing a project, and we cannot make corrections, makes no sense.

Mr. Bajor added that in looking over the past work and files, there is no reason to believe that we have not achieved a proper density for compaction. The end result has held up and moreover the village performs a physical test. A 5-ton dump truck is loaded with 18-tons of gravel and driven over the surface to ensure proper compaction. Our roads have a maximum of 11-tons permitted, therefore this “proof roll” physically confirms results have been achieved.

Mayor Krajewski asked if after Martam completed the project wasn't Claude Hurley the independent contractor who conducted the batch testing.

Mr. Bajor responded that this was his understanding.

Mayor Krajewski replied Hurley would then notify us if Martam did not comply with the requirements. Now we have hired another independent, PSI to review Phases 1, 2, 3 & 4.

Mr. Bajor stated it is his desire to tighten up our oversight of the projects and be sure we are doing all that we can do to meet contract document specifications/requirements for all projects.

Commissioner Tully mentioned Mr. Hultman's photos and documents are available. The material is worth holding onto for a historical perspective and reference 10 years from now, which could possibly answer any questions in the future.

Commissioner Schnell asked for the next item on the agenda.

Mr. Bajor stated the next item is the proposed Main Street striping activities. The main street project is coming to a close. There are a few follow-up items. The striping is imperative and he would like it ready for our grand opening day. The epoxy used in the past has not held up. We are suggesting a 3M product on Main Street, north of the tracks. The cost of this improvement is \$21,120.30.

Commissioner Tully stated Council should discuss this item next week, August 14th.

Commissioner Schnell asked if there were any other items.

Mr. Bajor asked to update the Committee on some Public Works Projects. The updates are available to the public on the Internet. The Roadway Resurfacing project is 80% complete. The elevated storage tank rigging is being removed. The vendor has been permitted to work in the evenings when it is a little cooler. The tank will be filled early next month with another million gallons of water then available for storage.

The 2001 Sidewalk Replacement Program has proceeded quite well and nearing completion. A change order request in the amount of \$12,000 to perform additional work was suggested by staff. Additional information shall be forthcoming.

The new water main connection is roughly 1 ½ miles on Oxford Street, Main Street to Fairmount Avenue, and on Fairmount Avenue, Oxford Street to Claremont Drive, and is 100% complete with the exception of the major pressure connection to be performed at Main Street.

The new grinder will be utilized next year to provide bituminous grindings instead of coarse aggregate in order to hold down the dust for the residents during road repairs.

A lap top computer was purchased and is used by Dave Conley to adjust our water tank levels, by monitoring the levels at night.

Commissioner Schnell inquired when the Franklin & Main Study would be made available. She would like to review the study and have the item on the August 21st agenda.

Mr. Bajor stated he would have check and let Commissioner Schnell know when the study will be available.

Ms. Fregeau asked if the minutes are on line.

Commissioner Schnell stated the minutes were sent to April Holden. We are still defining the rolls and responsibility of the Committee.

Meeting adjourned 6:05 p.m.

Mkd

ATTACHMENT 1

*Village of Downers Grove, Illinois
CBD Redevelopment Phase III - Review of Quality Control Testing
July 23 2001/ PSI Project No. 152-15098
Page 4*

4. Comments & Opinions

In independently evaluating the testing and inspection services performed by Claude H. Hurley Company, it is PSI's opinion that by and large it meets the intent of the "Village of Downers Grove, Contract Document No. 26-99 for CBD Redevelopment Phase III Roadway, Utilities and Streetscape" dated February 17, 2000.

In the special provision section of the said contract documents, the location of improvements are listed to include a 345 feet long portion of Franklin Street. In the set of reports reviewed, PSI was unable to find any tests or inspection reports for Franklin Street. On the other hand, several reports for Burlington Avenue were included in the reports, a street that was not mentioned in the scope in the Project Manual.

The following is a brief list of PSI's comments and opinions regarding the inspection testing services reviewed by us for the project.

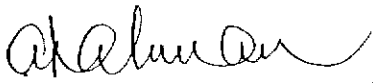
1. For a total of 10,250 cubic yards of trench backfill work specified in the project, inspection reports indicate a total of 23 tests performed to check the degree of compaction. This averages out to 446 cubic yards of trench backfill per test.
2. The project manual does not specify the frequency of testing. The standard of practice, specially for trench backfill below street pavements that have significant traffic, is generally on the conservative side with possibly one test for each lift of backfill for every 100 to 200 linear feet of the trench being backfilled.
3. Statistically, the numbers of tests performed for the project under review for trench backfill may appear low, yet the frequency of testing is sometimes a judgement call based on the level of confidence gained by the testing agency on the performance of the contractor. It is noted that all tests taken during the early stages of the project along Curtiss Street had passing compaction tests and if a combination of means and methods employed by the contractor and the material being used has been established by early testing to be appropriate, the inspection testing is a spot check of the compaction activities.
4. Tests taken at the subgrade level confirm that adequate density had been achieved prior to placement of the base and/or sub-base layers related to the street pavements.
5. While the number of tests for the backfill density in the sewer trenches appear to be low, the subgrade level tests directly below the pavements appear appropriate for the area of subgrade covered in this project.

The current review by PSI for the testing was confined to the subgrade and backfill tests all related to the geotechnical aspects of the project. The adequacy of numbers of tests on asphalt and concrete elements of the project was beyond the scope of this review.

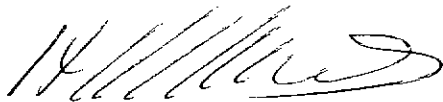
The opinions and views expressed in this report are based on the inspection and testing reports prepared by others, the project plans and manual, all supplied to PSI by the Village of Downers Grove, Illinois for the project. If there are any revisions to any of these or additional test reports for this work exist, PSI should be notified immediately to determine if changes in our opinions and review comments are required. If PSI is not retained to perform these functions, PSI will not be responsible for the impact of those conditions on the project.

The geotechnical engineer warrants that the findings, recommendations, specifications, or professional advice contained herein have been made in accordance with generally accepted professional geotechnical engineering practices in the local area. No other warranties are implied or expressed. This report has been prepared for the exclusive use of the Village of Downers Grove Illinois for the specific application to the review of the Inspection Services performed by the Village's testing agency for the Central Business District Redevelopment Phase III Project.

Respectfully submitted,
PROFESSIONAL SERVICE INDUSTRIES, INC.



Altaf (A) Rahman, Ph.D., P.E.
Geotechnical Department Manager



Houssam H. EL-Moursi, Ph.D., P.E.
Senior Regional Engineer

Enclosures: Test Reports Reviewed

DNE
Reviewed All PH III
Plans Specs Geotech.

PSI IS A Direct competitor of HNTB.

INDT & STW.

WE Prop will use SPT of subgrade

18TON + 6 wheels,

11TON IS (Load Limit)