

THE WHITFORD QUARTERLY

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THE L.C. WHITFORD FEATURE JOB

STARRAG-CARNAGHI PROJECT, Philadelphia, PA

By: Jim Barnes

The feature article of the June 2011 newsletter covered LCW's design-build deep foundation work at the Naval Foundry and Propeller Center, Philadelphia, PA so it shouldn't be any surprise that we are back at NFPC again for 3 more Starrag propeller profiler foundations and 1 Carnaghi vertical turning lathe foundation, and all are nearing completion.

All foundations were completed with Jack D. DeAgazio as Superintendent and Jim Barnes as the Project Manager.

By November 2017 Jack DeAgazio and Tim Rzepka were on site laying out for and overseeing Berkel's installation of the (100) 40 ton Auger Pressure Grouted, 14" dia. x 80' deep bearing piles for SU-18 and SU-19. They also assisted in the relocation and redesign of SU-20. When Carnaghi's Andrea Merlo awarded SU-22 to LCW, the lower bridge crane elevation in Bldg. 1029, where SU-22 and SU-20 were located, required extensive consideration for the best design and selection of the bearing piles and means and method to drive 35' sheets for the 60' x 60' x 15.5' Carnaghi excavation followed by 25' sheets for the 60' x 60' x 12' Starrag excavation.

SU-18 and SU-19 had identical concrete form work above the mass bases so those two foundations progressed about a month apart and as the crew became more efficient on Starrag formwork, Jack was able to devote more time to the design modifications for the SU-20 and SU-22 bearing piles and sheet piling.

Our success in Philadelphia is the result of our having a great crew that were willing to travel and able to conform to the level of security NFPC requires. Here are some of the photos of similar Starrag and Carnaghi mills and the significant quantities for all 4 foundations:

| | SU-18 | SU-19 | SU-20 | SU-22 | 4 mill total |
|------------------------------|------------------|------------------|------------------|------------------|--------------|
| Largest single concrete pour | 300 CY mass base | 300 CY mass base | 310 CY mass base | 930 CY mass base | |
| Total Concrete utilized | 800 CY | 800 CY | 900 CY | 1200 CY | 3,700 CY |
| Current Contract Value | \$1,992,430 | \$1,932,484 | \$2,419,888 | \$2,973,794 | \$9,318,596 |

**SAFETY
UPDATE
This Quarter**

73,495

**Man Hours
With**

0

**Lost Time
Accident.**

**Keep up the
good work!!!!**

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← Starrag 6 axis propeller profiler

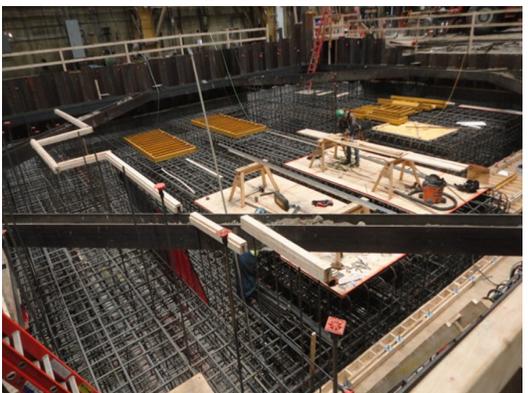


Photo of SU-22's 60' x 60' sheeted cell and walers, with the rebar installed for the 8' thick, 930 CY mass base concrete pour, and the vertical rod installed for the secondary base pour to -3' Elev., and 2 subsequent wall pours to grade.

← Carnaghi AP Series Double Column Vertical Lathe

MATERIALS COMPANY - LARRY CRAST

The Materials Company began the 2019 season on March 18th pouring bulb tee beams for a Pennsylvania DOT job in Beaver County. The beams are over 5 feet tall, 95 feet long, weighing up to 52 tons each. We will be pouring sixteen of these beams for a four-span bridge on Dutch Ridge road over Interstate 376, northwest of Pittsburgh. The roadway curves along the bridge resulting in variable length beams on each span.

Work has also started on pouring box beams. The photos below are showing a pour in progress for a Pennsylvania Department of Conservation and Natural Resources project in Sullivan County. This job requires (3) 48" x 17" box beams and will be completed in a single pour.

We currently have a backlog of 24 beam jobs for 2019 which includes 182 beams for New York and Pennsylvania. Bidding on 2019 jobs remains active and we expect to win many more projects and have a typically busy year.



EQUIPMENT COMPANY - BRUCE STRAIGHT

The Equipment Company is off to a good start in 2019 with the sale of our first Morbark 6400XT Track Wood Hog with a CAT C32 1,200 HP engine. We have also sold a new Morbark M20R Track Chipper, a TimberPro TF830D Forwarder and a Rayco RCT150 Track Dump Truck.

We have also received the honor of being the ONLY Morbark Gold Tier Industrial Products Dealer this year World-Wide! The following is an excerpt from Morbark's press release:

Morbark® Honors Eight Dealers with Gold Tier Status
Winn, Mich. (February 12, 2019) – Morbark, LLC, is proud to recognize seven Tree Care dealers and **one Industrial Products dealer with Gold Tier status for 2019**, based on their performance during 2018.

For Industrial: L.C. Whitford earned its third straight Gold Tier dealer award in the Industrial Products category.

"Our Gold Tier dealers provide customers with more than just our high-performance equipment; they help them grow and maintain their businesses with their expertise, local knowledge and support," said John Foote, Morbark Senior Vice President, Strategy and After-Market Services. "Our customers' success is Morbark's success, and our dealers are integral to helping our customers succeed. These dealers are the best of the best."

Morbark dealers are reviewed and scored annually on their customer service, business plan, equipment and parts sales, service and warranty process, marketing efforts, and much more. The companies earning Gold Tier status are truly exceptional in all scoring aspects, and all but one of these dealers – a relatively new Morbark dealer – have been awarded the honor previously.

"Our dealers complete a rigorous review process, which includes a

series of annual and quarterly reviews that measure performance on various aspects of our businesses," said Foote. "Morbark constantly works with our dealers to improve this process. We're proud to recognize these dealers who are as devoted to excellence and continuous improvement as Morbark is."



Morbark 6400XT Track Wood



Morbark M20R Track Chipper



Rayco RCT150
Track Dump Truck

PRESIDENT'S CORNER - BRAD WHITFORD

It's amazing what a difference a couple months can make. I was concerned about having enough work to put together a season, now I'm wondering how we will get it all done! We have landed a ton of work in a short period of time. We have more work in NY this year than we have had in a few years. We have a decent amount of work in PA, though probably less than in the last few years. The Materials Company's work-on-hand and growing backlog is coming along well. The precasters are back to work at Bolivar Road. The Equipment Company is off to a strong start after achieving Gold Tier Dealer status for 2018, the only Morbark dealer in the entire world to do so. GA Division will be finishing an awesome \$7 Mill project mid-summer as we continue to look for new opportunities. Lastly, if you haven't stopped by our new building (the old Fasset Lane building on Bolivar Road) – please do. I think you will agree that we are in a good position to support the jobs with the equipment and materials required to do our work.

I am excited about some new hires and some new appointments. Hold on tight. It's going to be a wild ride!

Regards,
Brad

GEORGIA UPDATE - KARL YOUNG

Project #17042 – Thompson Mill Rd Bridge Rehab

After completing all work on this project this past July, a truck, improperly hauling an excavator, hit one of the bridge girders while traveling under the bridge on I-985 southbound near Buford, GA. Amazingly, this truck hit the bridge beam even after we previously raised the bridge height 12 inches. GDOT added a change order to our contract to replace the damaged beam, bearings, diaphragms, edge beams and concrete span of bridge deck. The location of this bridge site is near the Atlanta Falcons training facility in Flowery Branch, GA. Super Bowl LIII was held in Atlanta on February 3rd and the L A Rams were utilizing the Falcons training facility the week of January 27th to prepare for the game. All work had to be completed within a tight window prior to the 27th. Our crews did a great job in completing the work in less than two weeks ahead of the “Super Bowl Week” world stage.

Project #17064 – GDOT Bridge Repairs on I-75 near Macon, GA

The majority of bridge painting work is complete prior to the April 1st environmental deadline for birds and bats. Over the course of the next several weeks we will be concluding our work at the I-475 NB bridge over I-75 SB. This will include final grading & grassing, removing and replacing the concrete approach slabs, performing mainline asphalt paving, guardrail and striping. The approach slabs and paving work will be completed during weekend hours in April.

We have started preparatory bridge jacking work at the next bridge site, High Falls Rd over I-75. The final falsework for the jacking operation will be constructed in early April. Over several weekends, we will be jacking the bridge, modifying & resetting bearings, replacing edge beams, replacing approach slabs, and paving the mainline roadway. We will also be replacing the middle pier cap. The bulk of all work at this site should be complete by the end of May.

We will begin work at the fourth (final) bridge site on June 3rd, when school is out of session and a full bridge detour can be utilized. Again, we will be jacking the bridge, replacing bearings, bridge painting, replacing approach slabs, paving the mainline roadway, grading slopes to match new roadway elevations, guardrail, striping, etc.

All work on this project should be complete by July 31st, 2019.

Project #18063 – Emergency Debris Removal in Rome, GA

GDOT awarded LCW this project in December to remove a log jam under the SR 1 Loop Bridge over the Oostanaula River in Rome, GA. Due to local flooding this winter LCW could not safely perform the work until February. Our crew did an excellent job of completing this work ahead of schedule and under budget.

Project #19002 – Bridge Rehab on SR1 & SR 8 in District 6

LCW was awarded this project in December and we are already well ahead of the project schedule. There are two bridges on the project. The first bridge is in Rome, GA. Work here consists of bridge jacking, pier cap replacements, polymer bridge deck overlay, epoxy pressure injection, and bridge joints. We have installed a bird barrier on the underside of the bridge so work can transpire this summer. Sometime in late April, once the shop drawings are approved, we will begin con-

structing falsework for the bridge jacking operation. All work at this site should be complete by the end of July.

The 2nd bridge site is located on SR78 west of Tallapoosa, GA near the Alabama state line. At this location, we have already completed all edge beam work, concrete patching, and epoxy pressure injection. The remaining work of concrete latex overlay, bridge joints and bridge painting will take place this fall, after the nesting season for bats. The contract completion date for this project is December 31, 2020; we expect to be completed with this project at least a year ahead of schedule.



HUMAN RESOURCE DIRECTOR INTRODUCTION



The LC Whitford Company is pleased to announce the hiring of Kris Green, the first HR Director for our company. Kris came on board in November 2018. Prior to joining LCW, Kris was the HR Manager for the Sourcing, Supply Chain, Industrial Engineering, and Production Management sections at Alstom Transportation in Hornell NY.

Previous to working at Alstom, Kris served 20 years in the United States Air Force as a law enforcement officer and First Sergeant (HR Manager). Upon retirement he moved back to Western NY with his wife and sons.

He brings over 22 years of Human Resources Management experience to the organization and is responsible for the overall administration, coordination and evaluation of LCW’s human resource functions.

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Building Since 1916

FINAL THOUGHT

"It does not matter how slowly you go as long as you do not stop."

~Confucius

RECENT CONTRACTS AWARDED

New Jersey

- NYS&W Railroad, Span replacement, Hamburg, NJ.

New York

- Norfolk Southern, Underpass repairs, Owego, NY.
- Norfolk Southern, Bridge replacement Ellis Creek, Waverly, NY.
- Norfolk Southern, Span replacement, Big Flats, NY.
- Norfolk Southern, Bridge replacement, Tioga Center, NY.
- NYSOGS, EE034C- Emergency water damage repair, Rush, NY.
- Wyoming County, Preventative maintenance - nine bridges.
- JJ Contracting, Subcontract for bridge rehabilitation, Bath, VA.
- NYSDOT, D263897, Bride joint replacement various locations, Monroe & Ontario Counties.
- MHW&A Railroad, Culvert rehab, Marcy, NY.

Pennsylvania Jobs

- First Energy - Seneca U.R. Limer phase two.
- PADOT ECMS 99377, Supply and set beams SR 3009, Tioga County.
- Mosites, Subcontract for PADOT ECMS 88695 SR53.
- Norfolk Southern, span replacement, Bethlehem, PA.

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RAILROAD NEWS - CHUCK MONTANYE

Our railroad work is on the fast track. We currently have ongoing projects in five different states for seven different railroads. The attached photo is an aerial view of a recently completed project over the Seneca River in Clemson, SC (home of the 2019 NCAA national football champions). This Norfolk Southern project included removing and replacing 18 bridge bearings as well as several steel laterals, gussets and bottom flange splices. Once again a job well done by Rob Faulkner and crew.



Completed project over Seneca River, Clemson, SC

EEO UPDATE - KRIS GREEN

Did you know....?

Equal Employment Opportunity, Affirmative Action, and Diversity.

Embracing Equal Employment Opportunity (EEO), Affirmative Action (AA), and Diversity are the key components of LCW's commitment to creating equity in the workforce for our employees. Oftentimes these components are used interchangeably and although there is certainly an overlap, they refer to three distinct areas of activity.

Equal employment opportunity (EEO) means freedom from discrimination on the basis of protected classes such as age, race, creed, color, national origin, sexual orientation, military status, gender identity or expression, sex, disability, predisposing genetic characteristics, familial status, marital status, or domestic violence victim status. EEO rights are guaranteed by federal and state fair employment laws and are enforced by the Equal Employment Opportunity Commission (EEOC) and its state counterparts.

Affirmative action plans (AAPs) define an employer's standard for proactively recruiting, hiring and promoting women, minorities, disabled individuals and veterans. Affirmative action is deemed a moral and social obligation to amend historical wrongs and eliminate the present effects of past discrimination. AAPs include numerical measures with the intent of increasing the representation of minorities. Federal contractors above certain dollar limits are required to institute AAPs, and the Office of Federal Contract Compliance Programs is charged with enforcing contractor affirmative action mandates. Without violating Title VII of the Civil Rights Act of 1964, other employers may institute voluntary AAPs to remedy past discrimination if certain conditions are met.

Diversity initiatives are goals devised to measure acceptance of minorities by embracing cultural differences within the workplace. Diversity initiatives are twofold: valuing diversity and managing diversity. The value of diversity is achieved through awareness, education and positive recognition of the qualities, experiences and work styles that make individuals unique (e.g., age, race, religion, disability, ethnicity) within the workplace. The management of diversity expounds upon the experience and establishes the business case for diversity that is closely aligned with an employer's organizational goals.

The combination of required or voluntary AAPs and diversity initiatives create opportunities for cultural inclusion, respect for differences, acceptance and respect for all workers. If you have any questions or concerns regarding the LCW EEO or AAP programs, or our Diversity initiatives, please feel free to contact our EEO Officer, Melissa Neidermaier or the Human Resources Officer.

CHUCK'S CHUCKLE

WHALE WATCHING TOUR

Chuck and his wife Vika decided to take a whale watching tour. Vika was a little nervous about the size of the whales. Chuck explained "It is physically impossible for a whale to swallow a human because even though they are a very large mammal their throat is very small." Vika stated "Jonah was swallowed by a whale." Chuck reiterated, "A whale cannot swallow a human. It is physically impossible." Vika said, "When I get to heaven I will ask Jonah." Chuck asked, "What if Jonah went to hell?" Vika replied "Then you ask him."