

CITY OF LUBBOCK
STREET DEPARTMENT
IN HOUSE REMOVE AND RELAY PROJECT
2009

The purpose of this project was to go into some of Lubbock's older neighborhood's and to remove and relay some of the streets that where beyond repair. Our pavement management section evaluated some residential street's and came up with a list of the streets that they proposed for us to remove and relay for this years project. This was our second year to have done this type of project; we did this project back in 2008 and felt that we had made a huge difference in those neighborhoods. We then challenged our crew's this year to increase our square yards by 10% in return they increased it by 20% from 2008.

Our schedule was to start in May 09 and to be finished by the end of September 09. The only out side expenses would be the lay down machine we leased for the project and the materials that we would need to see the project thru i.e. hot mix and prime oil. We had a \$1,250,000 budget for this project.

We also had received a request to go into our downtown district and remove about 16,282 square yards of brick pavers and relay it with asphalt. We also used our in house concrete crew to do some concrete repairs while we where doing this phase of the project, we replaced an alley approach that was all broken up about 100 foot of curb and gutter and a valley gutter that was also in need of repairing. This was to be included in the 6 month time frame and the budget of \$1,250,000 for the remove and relay project. With the remove and relay project coming in at 1,026,160.34 at a savings of \$223,839.66. Had we went out and bid this project we where looking at about \$25.00 a square yard at a cost to the city of \$1,882,850.00. So by us doing this project in house we saved the city about \$856,690.00.

Before the project started we discussed what safety issues we where going to be facing and came up with a plan to address each of the issues. The number one concern being the safety of our people as well as the safety of the general public. Any time you have people around moving machinery you have the risk of accidents, so we made sure safety was number one. I am proud to say that we did not have any time loss accidents to report.

We started the project in our residential areas first, with hopes of finishing that part of the project and having time to complete at least half of the downtown project this year. We started the first week of May and completed the residential streets by the 16th of July and had already laid 59,031 square yards of asphalt.

There were no real big Environmental issues on the residential or the Main St. project, the one that stood out the most was to make sure that once we shot our prime oil prior to laying our hot mix was that if it rained and we had any kind of runoff going into the storm drains we could have problems with the runoff getting into the inlets leading to the play lakes. We then covered all inlet boxes on any of the streets that were being worked on and made sure to clean up any spills that occurred during the operation.

This was not as much of an environmental issue, but it was an issue we had to keep in mind. We had to work with the Historic Preservation Commission on what bricks could come out and which ones could not be removed, we also had to go in and pour concrete ribbons at the intersections where the intersection was going to stay as brick.

We really put a lot of emphasis on our community relations area of the project, wanting as little interruption to our citizens as well as the businesses downtown. We entered into these areas the week before starting and put out door hangers. We put as much information as possible on the door hangers, dates, contact phone numbers, project contact person etc., which gave the residents time to respond to any concerns. Once we entered into our downtown project, we also had to take into consideration the businesses that would be affected by the project.

As we prepared to start the Main Street phase of the project we went out and met with each business and worked with them so we could come up with a plan to not interrupt their business. As we got closer to the more populated area of Main Street, we knew we would be faced with more challenges of interrupting business and decided it would be more beneficial for the businesses as well as for our crew to work at night when the businesses were closed and the traffic was minimal. A plan was brought together to complete the last phase of the project at night. We met with all of the businesses that were going to be affected by the work and advised them that we would be doing this phase after they closed down for the day and would have the access back open for their business by the next morning. They were very pleased by the way we worked with them in making this a success.

In the planning stage of the Main Street project we planned for it to take approximately two weeks per block in removing the old bricks, work the base and relay the street with new asphalt. Our crew's did the first block in just three days. Plans were to get thru half of the projected area of downtown this year, but with the hard work and dedication of our employees we finished the whole project in just 27 days and removed 16,282 yards of brick and laid 16,282 square yards of asphalt.

Other things to consider in this project were to work with our suppliers to be able to get the materials we needed to do the last part of this project at night. We had to make sure we had the proper lighting to be able to work at night. We used all in house resources to be able to stay within our budget. Much was done in finding in house resources to use instead of having to go out and rent equipment, which would have increased the overall price of the project. Our employees changed their lifestyle to work at night rather than in the day. Much is to be said about the City of Lubbock Paved Street crew, for the hard

work and many challenges, obstacles and changes made to make this a successful project. I am proud to be a part of this organization and this team to have made this all possible and privileged to submit this project for the In House Project of the Year.

Attached you will find a slide show that we put together to show our project from start to finish.