

Proposed Improvements to the intersections of: Hamilton Road at Vista Drive, Stoneridge Lane, and Morse Road for the City of Gahanna.

Moody•Nolan, Inc. (MNI) is hereby submitting this proposal to provide engineering services to prepare construction plans for the above stated intersections. The plans prepared, as part of this proposal shall be incorporated into a set of construction plans for the Hamilton Road Improvement being prepared by MNI for the Franklin County Engineer. The Franklin County Engineer has agreed to cooperate with the City by including this work in said plans. Quantity splits will be prepared for the portions of work described herein because the City shall pay 100 percent of the cost of these intersection improvements.

Purpose: The City of Gahanna has identified additional improvements at intersections on Hamilton Road that were not contained within the projects limits as identified by the Franklin County Work. The Franklin County Engineer has agreed to cooperate with the City in these improvements by allowing them to become a part of the construction plans. Quantity Splits shall be provided in the plan, as the work covered by this proposal shall be paid entirely by the City of Gahanna.

Proposed Fee: MNI proposes a cost plus fee arrangement for these services. MNI is also proposing a total maximum fee not to exceed **Fifty three thousand nine hundred six dollars (\$53,906)**. MNI will strive to complete the project for less than this proposed total maximum fee. MNI shall be compensated based on direct labor cost, plus overhead and direct cost. MNI's net fee for these services shall be established at Four thousand nine hundred ninety-four dollars (\$4,994). The portion of the cost for each intersection is provided below.

Project Approach

Hamilton Road at Vista Drive (\$19,465)

Vista Drive is to be extended west of Hamilton Road in the future by development. The City owns a portion of the land adjacent to the proposed intersection that would not be part of developer owned land. Therefore, the City intends to construct the intersection at Hamilton Road to the radii return to accommodate a future extension of Vista Drive. This intersection approach shall require the dedication of right-of-way to the westerly property line of the city owned land. MNI design and prepare construction plans and details for the westerly intersection approach, including preparation of right-of-way plans, legal descriptions, right-of-way staking and pinning.

A revised mast arm signal design using video detection will be provided for this intersection. The signal heads for the future eastbound traffic shall be installed and covered until the future Vista Drive is constructed. Should it be determined that there is a significant delay in the completion of the future Vista Drive, the City may want the signal heads to be delivered to it and stored for future use.

Hamilton Road at Stoneridge Lane (\$30,388)

Hamilton road currently has a single southbound left turn lane to Stoneridge Lane. The existing pavement width is slightly greater than 70-feet. By removing the existing concrete median, replacing this with full depth pavement (matching the existing composition of Hamilton Road) four 12-foot through lanes (two in each direction) and two 11-foot southbound left-turn lanes can be constructed. Future development on the east side of Hamilton will create the need to widen Stoneridge Lane to five lanes. This improvement will widen the easterly approach on Stoneridge Lane to the end of the radii to five lanes. This approach shall then be transitioned to meet the existing pavement width.

MNI will design and prepare construction plans and details for these improvements, including preparation of right-of-way plans, legal descriptions, right-of-way staking and pinning. Utility relocations will be required because of this improvement. MNI will handle all utility relocation coordination through this design phase. MNI shall prepare relocation plans for all affected public utilities as part of the plans. Any private utility that is within an existing easement outside the

existing right-of-way will likely require the City to pay the cost of the relocation. MNI shall work with the affected utility company and the City to minimize any such relocation.

Approximately 200 feet of concrete median will need to be removed and replaced with full depth pavement. The southbound left turn lane and approximately two feet of the inside through lanes shall be planned and subsequently overlaid. This should provide a proper cross slope and will remove conflicting pavement markings. Additional planning of the through lanes may be necessary to provide for proper pavement cross slope.

Permanent pavement markings and traffic control devices such as ground mounted and overhead lane use signs will need to be updated and/or placed as necessary. A revised mast arm signal system with video detection will be designed for this intersection.

We recommend that all work within the pavement areas of Hamilton Road and Vista drive be performed at night. This should minimize the inconvenience to the traveling public.

Hamilton Road at Morse Road (\$4.053)

The City of Gahanna has determined that future development and growth in this area will create the need to add a northbound right turn lane at Morse Road. Since the proposed improvements of Hamilton Road will require the acquisition of additional right-of-way, the City has determined that advanced acquisition for this turn lane is in the interest of public safety and convenience. There are two parcels of land impacted by this additional right-of-way need. Parcel at the southeast corner is currently developed and MNI is to prepare a right-of-way plan, legal description, right-of-way staking and pinning for this parcel. MNI is to determine the amount of additional right-of-way for to the south and advise the City. This additional right-of-way will then be required of the property owner as this parcel is developed.

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