



Memorandum

To: Lesly Tribelhorn, P.E.
Highways Engineer

From: Jeremy Terry, P.E. *JT*
Project Design Engineer – Billings Road Design

Date: March 29, 2016

Subject: HSIP 57-3(52)82
SF 129 – Ped Sfty Impr Main St
UPN 8047000
Work Type 313 – Pedestrian & Bicycle Safety

This is a pedestrian safety improvement project located on National Highway 57 (N-57) in the City of Lewistown. This project will include construction of bulb outs at the intersections of Main Street with 2nd Avenue and 5th Avenue. It also includes signal upgrades at the intersections of Main Street with 1st, 3rd, and 4th avenues. Pedestrian ramps will be brought up to current standards at all intersections within the project limits. Three sidewalk vaults will also be filled and abandoned as part of the sidewalk modifications. All inlet frames and grates will be replaced, and two additional inlets will be added to maintain drainage. Handrail will be installed on top of the retaining wall on the north corner of 5th Avenue to keep pedestrians from tripping on the retaining wall.

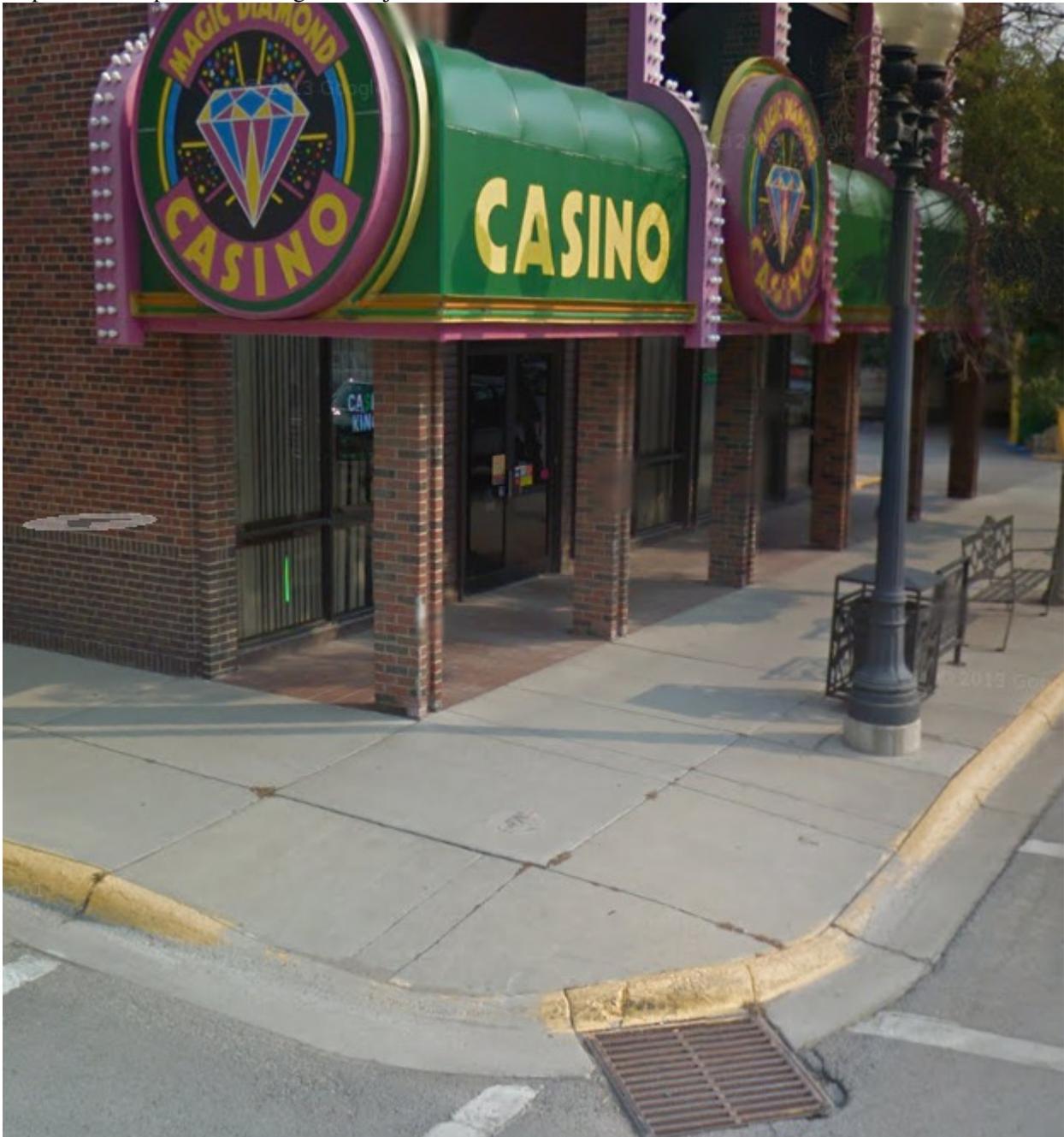
The Montana Department of Transportation certifies that in accordance with the requirements of 23 CFR 635.411, the use of decorative hand rail is preferred.

Justification

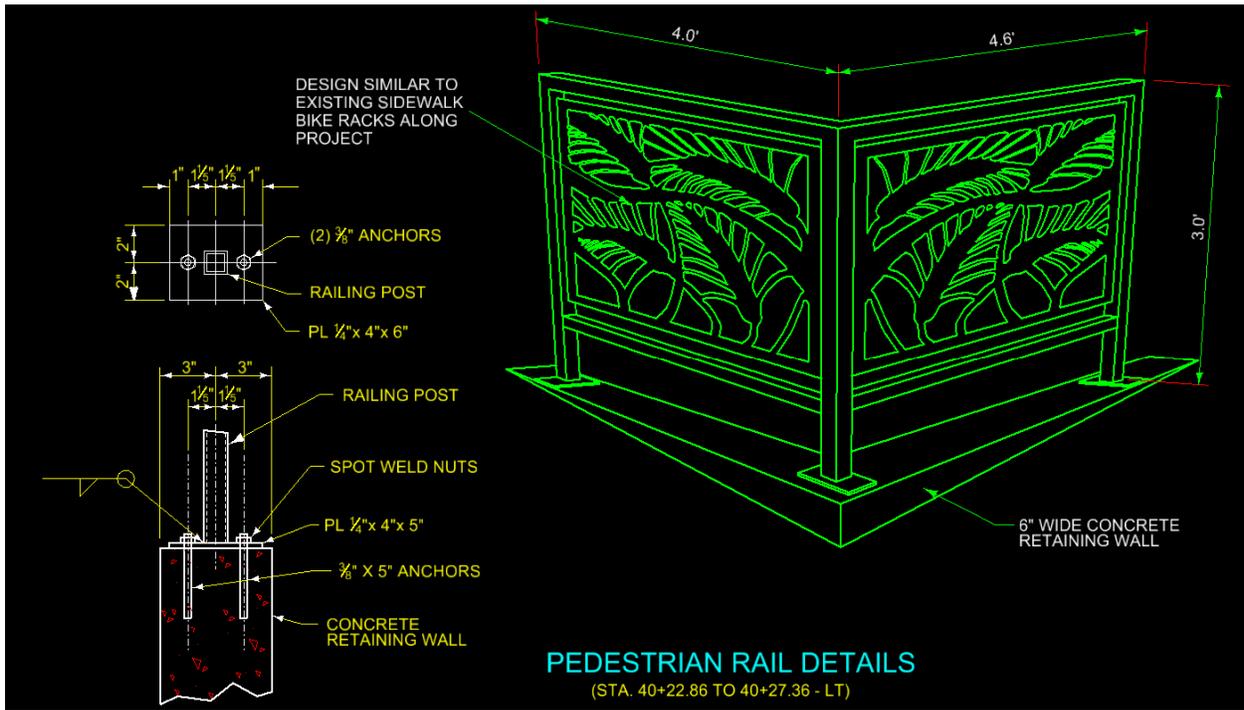
The City of Lewistown has installed decorative trash cans, benches, and bicycle racks at every intersection within the project limits. They are fabricated by a local entity in Lewistown. An example of these items is shown below.



As part of the pedestrian safety project, handrail will be installed around the corner shown below; it will be placed on top of a retaining wall adjacent to the brick corner column.



To maintain the aesthetics of the area, it is preferred to install handrail resembling the other sidewalk furniture and luminaires. Therefore, the rail shown on the next sheet is being proposed.



This rail will provide a positive barrier for pedestrians while maintaining the existing aesthetic nature of downtown Lewistown. The estimated cost of traditional handrail installation at this site is \$1,100. The decorative handrail cost is estimated to be \$1,300.

We will not extend the proprietary item status of this pedestrian rail to subsequent projects without initiating a separate evaluation.

Approval *Lesly Tribelhorn* Date March 31, 2016
 Lesly Tribelhorn, P.E.
 Highways Engineer

Distribution:
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